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Mr. Michael Malone
CPS Energy
500 McCullough Avenue
San Antonio, Texas 78215

DATE
June 11, 2025

SUBJECT
Alternate Source Demonstration – Responses to Potential Statistically Significant Increases
Calaveras Power Station
San Antonio, Texas

REFERENCE
Project No. 0772777

Dear Michael:

Environmental Resources Management Southwest, Inc. (ERM) is pleased to present the following findings for above referenced site.

Executive Summary

Title 40, Code of Federal Regulations, Part 257 (40 CFR §257) Subpart D (a.k.a. the Coal Combustion Residual (CCR) Rule) was published in the Federal Register in April 2015 and became effective in October 2015. CPS Energy has been operating surface impoundments and a landfill primarily for temporary storage and historically for disposal of fly ash and bottom ash.

On June 28, 2021, the US EPA partially approved the Texas CCR Program. The Texas partial program, administered under Title 30, Texas Administrative Code, Chapter 352, became effective on July 28, 2021. Although the Texas partial program generally adopts by reference the federal CCR Rule (with some additions), the Texas partial program operates in lieu of the federal CCR program.

One of the many requirements of the CCR programs is for CPS Energy to determine if there are impacts to groundwater from any of the surface impoundments and landfill at the Calaveras Power Station that contain CCR and post the evaluation to its CCR website on an annual basis. The evaluation of the October 2024 groundwater sample results indicated a potential statistically significant increase (SSI) for a limited number of constituents from the Evaporation Pond (EP), Fly Ash Landfill (FAL), Bottom Ash Ponds (BAPs), Plant Drains Pond (PDP), and Sludge Recycle Holding Pond (SRHP).

Based on the evidence provided in this *Alternate Source Demonstration*, no SSIs over background levels have been determined for any of the CPS Energy CCR units (EP, FAL, BAPs, PDP, and SRHP) and therefore, CPS Energy will continue with a detection monitoring program.

Introduction

CPS Energy owns and operates the Calaveras Power Station that consists of two power plants (J.T. Deely and J.K. Spruce) that are subject to regulation under the CCR Rule. Currently, CPS Energy operates two CCR units at the Power Station: FAL and PDP. Although the J.T. Deely Power Plant ceased operation at the end of December 2018 and sluiced bottom ash is no longer being received at the BAPs, the BAPs will continue to be monitored until the units have undergone closure. Although CPS Energy ceased operation of the EP in September 2022 in preparation for closure and ceased operation of the SRHP in October 2023 in preparation for closure, the EP and SRHP will continue to be monitored until the units have undergone closure. An *Annual Groundwater Monitoring and Corrective Action Report* (*Report*) was completed for each of these CCR units. Upper Prediction Limits (UPLs) and Lower Prediction Limits (LPLs) were calculated in each *Report* for the purpose of determining a potential statistically significant increase (SSI) over background levels. The *Reports* indicated that a potential SSI over background levels was determined for one or more Appendix III constituents from monitoring wells associated with the EP, FAL, BAPs, PDP, and SRHP.

According to the CCR Rule [§257.94(e)] and 30 TAC §352.941, if the owner or operator of a CCR unit determines there is a SSI over background levels for one or more Appendix III constituents, the owner or operator may demonstrate that a source other than the CCR unit caused the SSI over background levels or that the SSI resulted from error in sampling, analysis, statistical evaluation or natural variation in groundwater quality. The CCR Rule also indicates that the owner or operator must complete the written demonstration within 90 days of detecting an SSI over the background levels. If a successful demonstration is completed within the 90-day period, the owner or operator may continue with a detection monitoring program. If a successful demonstration is not completed within the 90-day period, the owner or operator must initiate an assessment monitoring program.

General Comments and Terms

Several groundwater monitoring wells were installed in the northern portion of the property prior to the construction of the EP and FAL (collectively termed Northern CCR Units). The EP was initially constructed as a landfill in 1990 and later converted to the surface impoundment in 1996 and the FAL was constructed in 1992.

'Historical data' refers to analytical data collected from 1988 through 1992 from monitoring wells that were in existence before the EP and FAL were operated. These monitoring wells are located over one-mile north of the BAPs, and although the BAPs were constructed in 1977, the historical data collected from these wells and the current data collected from upgradient wells of the Northern CCR Units is relevant in both a regional and site-specific context for all the CCR units and therefore, useful in evaluating BAP data.

'Background monitoring period' refers to the period from December 2016 to October 2017 when eight independent samples were collected from each background and downgradient well within the EP, FAL, BAPs, and SRHP monitoring well networks. The 'background monitoring period' for the PDP refers to the period from October 2020 to August 2023 when eight independent samples were

collected from background and downgradient wells JKS-65, JKS-66, and JKS-67. Two additional downgradient wells (JKS-68 and JKS-69) were installed at the PDP in July 2022. Since October 2022, groundwater samples were collected from these additional wells as part of the eight background sampling events.

As discussed in the 2022 *Annual Groundwater Monitoring and Corrective Action Report* for the FAL, the groundwater monitoring well network was revised to re-designate JKS-64 from an upgradient well to a downgradient well. Therefore, starting with the April and October 2022 monitoring events, all statistical analyses (including the establishment of UPLs, LPLs, and potential exceedances) were conducted using an upgradient monitoring well network comprised of JKS-47 and JKS-63R.

As discussed in the 2022 *Annual Groundwater Monitoring and Corrective Action Reports* for the BAPs and SRHP, the groundwater monitoring well network was revised to re-designate JKS-49 from an upgradient well to a downgradient well and to designate newly installed well JKS-70 as an upgradient well. Therefore, starting with the April and October 2022 monitoring events, all statistical analyses (including the establishment of UPLs, LPLs and potential exceedances) were conducted using an upgradient monitoring well network comprised of JKS-51 and JKS-70.

Summary tables showing groundwater analytical results since the start of sampling at each CCR unit through the October 2024 sampling event or the February 2025 resampling event are provided in Attachment 1. The laboratory analytical report from the February 2025 resampling event is provided in Attachment 2.

Evaporation Pond (EP)

Downgradient monitoring well results determined to be a potential SSI (i.e., greater than the UPLs or less than the LPLs) for the EP are presented in the following table and are discussed below.

Analyte	Well	LPL	UPL	Sample Date	Value	Unit
Fluoride	JKS-36	-	0.17	2024-10-08	0.496	mg/L
Fluoride	JKS-61	-	0.17	2024-10-08	0.383	mg/L
Fluoride	JKS-62	-	0.17	2024-10-10	0.182	mg/L
pH	JKS-36	5.05	6.64	2024-10-08	8.86	SU
pH	JKS-61	5.05	6.64	2024-10-08	8.04	SU
pH	JKS-62	5.05	6.64	2024-10-10	6.89	SU
pH	JKS-64	5.05	6.64	2024-10-08	7.16	SU

Fluoride (JKS-36, JKS-61, and JKS-62)

Fluoride concentrations detected in JKS-36 were previously discussed in the April 2018, February 2019, April 2020, and June 2021 *Written Demonstrations*[1], and in the May 2023 and June 2024 *Alternate Source Demonstrations*. No SSI was determined for fluoride in this well based on the lines of evidence provided below. The fluoride concentration detected in JKS-36 during the October 2024 monitoring event (0.496 mg/L) is within the range of fluoride concentrations (<0.0360 mg/L to 1.53 mg/L) detected in this well during the background monitoring period.

Fluoride concentrations detected in JKS-61 were previously discussed in the February 2019 and April 2020 *Written Demonstrations*, and in the May 2023 and June 2024 *Alternate Source Demonstrations.* No SSI was determined for fluoride in this well based on the lines of evidence provided below. The fluoride concentration detected in JKS-61 during the October 2024 monitoring event (0.383 mg/L) is within the range of fluoride concentrations (<0.036 mg/L to 0.643 mg/L) detected in this well during the background monitoring period.

Fluoride concentrations detected in JKS-62 were previously discussed in the February 2019 *Written Demonstration.* No SSI was determined for fluoride in this well based on the lines of evidence provided below. The fluoride concentration detected in JKS-62 during the October 2024 monitoring event (0.182 mg/L) is within the range of fluoride concentrations (<0.036 mg/L to 0.418 mg/L) detected in this well during the background monitoring period.

pH (JKS-36, JKS-61, JKS-62, and JKS-64)

pH values detected in JKS-36 were previously discussed in the April 2018, February 2019, April 2020, and June 2021 *Written Demonstrations*, and in the May 2023 and June 2024 *Alternate Source Demonstrations.* pH values detected in JKS-61 were previously discussed in the June 2021 *Written Demonstration*, and in the April 2022, May 2023, and June 2024 *Alternate Source Demonstrations.* No SSI was determined for pH based on the lines of evidence provided below. pH values in JKS-36 and JKS-61 during the October 2024 monitoring event (8.86 SU and 8.04 SU, respectively) are outside of the range of pH values (3.24 SU to 6.98 SU and 6.27 SU to 7.40 SU, respectively) detected in these wells during the background monitoring period. However, pH values collected from JKS-36 and JKS-61 during the February 2025 resampling event (4.71 SU and 6.91 SU, respectively) are within the range of values detected in these wells during the background monitoring period.

pH values detected in JKS-62 were previously discussed in the June 2021 *Written Demonstration*, and in the April 2022 *Alternative Source Demonstration*. No SSI was determined for pH based on the lines of evidence provided below. The pH value in JKS-62 during the October 2024 monitoring event (6.89 SU) is within the range of pH values (6.52 SU to 7.51 SU) detected in this well during the background monitoring period and this pH value is essentially neutral (between 6.0 SU and 8.0 SU) indicative of naturally occurring pH values.

[1] The term *'Written Demonstration'* was historically used for a document that provided responses to potential SSIs. In this document and all future documents, the term *'Alternate Source Demonstration'* will be used for these types of documents.

pH values detected in JKS-64 have not been previously identified as potential SSIs necessitating discussion. The pH value detected in JKS-64 during the October 2024 monitoring event (7.16 SU) is outside of the range of pH values (5.50 SU to 6.46 SU) detected in this well during the background monitoring period. However, this pH value is essentially neutral (between 6.0 SU and 8.0 SU) indicative of naturally occurring pH values.

Fly Ash Landfill (FAL)[2]

Downgradient monitoring well results determined to be a potential SSI (i.e., greater than the UPLs or less than the LPLs) for the FAL are presented in the following table and are discussed below.

Analyte	Well	LPL	UPL	Sample Date	Value	Unit
pH	JKS-31	5.26	7.07	2024-10-09	3.99	SU
pH	JKS-46	5.26	7.07	2024-10-09	3.42	SU

pH (JKS-31 and JKS-46)

pH values detected in JKS-31 and JKS-46 were previously discussed in the April 2018, February 2019, April 2020, and June 2021 *Written Demonstrations* and in the April 2022, May 2023, and June 2024 *Alternate Source Demonstrations*. No SSI was determined for pH in these wells based on the same lines of evidence provided below. The pH values detected in JKS-31 and JKS-46 during the October 2024 monitoring event (3.99 SU and 3.42 SU, respectively) are within the range of pH values (3.84 SU to 6.34 SU and 2.10 SU to 3.60 SU, respectively) detected in these wells during the background monitoring period.

Bottom Ash Ponds (BAPs)

Downgradient monitoring well results determined to be a potential SSI (i.e., greater than the UPLs or less than the LPLs) for the BAPs are presented in the following table and are discussed below.

Analyte	Well	LPL	UPL	Sample Date	Value	Unit
Boron	JKS-48	–	0.776	2024-10-09	1.85	mg/L
Boron	JKS-49	–	0.776	2024-10-09	2.77	mg/L
Boron	JKS-50R	–	0.776	2024-10-09	6.96	mg/L
Boron	JKS-52	–	0.776	2024-10-09	2.75	mg/L
Boron	JKS-55	–	0.776	2024-10-08	0.996	mg/L
Boron	JKS-56	–	0.776	2024-10-09	3.74	mg/L
Fluoride	JKS-48	–	0.961	2024-10-09	1.02	mg/L

[2] The FAL is primarily used for the storage of fly ash prior to offsite beneficial use and does not store liquid CCR or non-CCR waste streams.

Boron (JKS-48, JKS-49, JKS-50R, JKS-52, JKS-55 and JKS-56)

Boron concentrations detected in JKS-50R and JKS-56 were previously discussed in the April 2018 (only JKS-50R), February 2019, April 2020, and June 2021 *Written Demonstrations,* and in the April *2022*, May 2023, and June 2024 *Alternate Source Demonstrations*. No SSI was determined for boron based on the lines of evidence provided below. The boron concentrations detected in JKS-50R and JKS-56 during the October 2024 monitoring event (6.96 mg/L and 3.74 mg/L, respectively) and the February 2025 resampling event at JKS-50R (5.74 mg/L) are in the same order of magnitude detected in upgradient monitoring wells JKS-57 and JKS-45 (up to 3.48 mg/L and 2.27 mg/L, respectively) for the Northern CCR Units during the background monitoring period. Although JKS-57 and JKS-45 are not monitoring the BAPs, the boron concentrations in all these wells reflect the regional and site-specific natural variability in groundwater quality.

Boron concentrations detected in JKS-48, JKS-49, JKS-52, and JKS-55 were previously discussed in the May 2023 and June 2024 *Alternate Source Demonstration*. No SSI was determined for boron in these wells based on the lines of evidence provided below. The boron concentration detected in JKS-48 during the October 2024 monitoring event (1.85 mg/L) is less than the range of boron concentrations (2.02 mg/L to 2.23 mg/L) detected in this well during the background monitoring period. The boron concentration detected in JKS-49 during the October 2024 monitoring event (2.77 mg/L) is within the range of boron concentrations (2.76 mg/L to 3.28 mg/L) detected in this well during the background monitoring period. Boron concentrations detected in JKS-52 and JKS-55 during the October 2024 monitoring event (2.75 mg/L and 0.996 mg/L, respectively) and the February 2025 resampling event (2.76 mg/L and 0.952 mg/L, respectively) are outside the range of boron concentrations (1.33 mg/L to 2.11 mg/L and 0.651 mg/L to 0.787 mg/L, respectively) detected in these wells during the background monitoring period, but are less than the concentrations detected in Northern CCR upgradient monitoring wells JKS-57 and JKS-45 (up to 3.48 mg/L and 2.27 mg/L, respectively) as discussed above.

For comparison, a study of groundwater contamination from coal power plants across the southeast United States documented a 1 to 2 order of magnitude increase in boron concentrations between background and affected monitoring wells (Harkness et al., 2016). The detections in the wells in the study had boron concentrations of 1 to 6 mg/L, compared to background levels ranging from non-detect to 0.04 mg/L. Another study of affected groundwater from a CCR site in Indiana (Buszka et al., 2007) documented a 2 to 3 order of magnitude increase in boron concentrations between background and affected monitoring wells.

Finally, the concentration of boron within the BAPs was considered with respect to concentrations in the surrounding monitoring wells. During two sampling events in February 2018, grab samples of effluent water from the BAPs had reported boron concentrations of 1.03 mg/L and 1.16 mg/L. Because boron is concentrated in coal ash compared to the original coal (Openshaw, 1992), and because boron is one of the more easily leached constituents in coal ash (Izquierdo and Querol, 2012), a low concentration of boron in the effluent indicates that the leachable boron concentration in the bottom ash is relatively low. In February 2018, a grab sample of the bottom ash being sent to the BAPs had a boron concentration of 122 mg/kg, and the toxicity

characteristic leaching procedure (TCLP) analysis on this same sample had a boron concentration of 1.1 mg/L. The concentration of boron in the effluent and the leachable concentration of boron in the bottom ash are less than the concentrations in JKS-50R or JKS-56. Although CPS Energy agrees that the effluent results are not a direct comparison for groundwater quality, it does indicate that high concentrations of boron were not emptied into the BAPs at the time the sample was collected. Furthermore, the leachate sample of the bottom ash showed concentrations in the 1 mg/L range suggesting there is not an accumulation of leachable boron in the BAPs.

Fluoride (JKS-48)

Fluoride concentrations detected in JKS-48 were previously discussed in the April 2018, February 2019, April 2020, and June 2021 *Written Demonstrations*, and in the May 2023 and June 2024 *Alternate Source Demonstrations*. No SSI was determined for fluoride in these wells based on the lines of evidence provided below. The fluoride concentration detected in JKS-48 during the October 2024 monitoring event (1.02 mg/L) is within the range of fluoride concentrations (<0.0960 mg/L to 1.62 mg/L) detected in this well during the background monitoring period. Additionally, historical data from JKS-43 located in the vicinity of the Northern CCR Units indicates naturally occurring fluoride concentrations up to 1.75 mg/L.

The statistical analysis show that no other Appendix III constituents were identified as potential SSIs in JKS-48, JKS-49, JKS-50R, JKS-52, JKS-55 or JKS-56. If the elevated concentrations were associated with a release, other elevated Appendix III constituent concentrations would also be expected in these wells (Milligan and Ruane, 1980).

Sludge Recycle Holding Pond (SRHP)

Downgradient monitoring well results determined to be a potential SSI (i.e., greater than the UPLs or less than the LPLs) for the SRHP are presented in the following table and are discussed below.

Analyte	Well	LPL	UPL	Sample Date	Value	Unit
Boron	JKS-52	–	0.776	2024-10-09	2.75	mg/L
Boron	JKS-53	–	0.776	2024-10-08	1.99	mg/L
Boron	JKS-54	–	0.776	2024-10-08	1.27	mg/L

Boron (JKS-52, JKS-53 and JKS-54)

Boron concentrations detected in JKS-52, JKS-53, and JKS-54 were previously discussed in the May 2023 and June 2024 *Alternate Source Demonstrations.* No SSI was determined for boron in these wells based on the lines of evidence provided below. Boron concentrations detected at JKS-52 and JKS-53 during the October 2024 monitoring event (2.75 mg/L and 1.99 mg/L, respectively) and the February 2024 resampling event at JKS-52 (2.76 mg/L) are outside the range of boron concentrations (1.33 mg/L to 2.11 mg/L and 1.36 mg/L to 1.55 mg/L, respectively) detected in these wells during the background monitoring period. The boron concentration detected in JKS-54 during the October 2024 monitoring event (1.27 mg/L) is within

the range of boron concentrations (1.14 mg/L to 1.35 mg/L) detected in this well during the background monitoring period. The results for JKS-52, JKS-53, and JKS-54 are in the same order of magnitude detected in upgradient monitoring wells JKS-57 and JKS-45 (up to 3.48 mg/L and 2.27 mg/L, respectively) for the Northern CCR Units during the background monitoring period, as described in the BAPs section above.

The statistical analysis show that no other Appendix III constituents were identified as potential SSIs in JKS-52, JKS-53 or JKS-54. If the elevated concentrations were associated with a release, other elevated Appendix III constituent concentrations would also be expected in these wells (Milligan and Ruane, 1980).

Plant Drains Pond (PDP)

Downgradient monitoring well results determined to be a potential SSI (i.e., greater than the UPLs or less than the LPLs) for the PDP are presented in the following table and are discussed below.

Analyte	Well	LPL	UPL	Sample Date	Value	Unit
Boron	JKS-68	–	1.46	2024-10-08	1.54	mg/L

Boron concentrations detected in JKS-68 were previously discussed in the June 2024 *Alternate Source Demonstration.* No SSI was determined based on the lines of evidence provided below. The boron concentration detected in JKS-68 during the October 2024 monitoring event (1.54 mg/L) was outside the range of boron concentrations detected during the background monitoring period (1.18 mg/L to 1.46 mg/L). However, the boron concentration detected in this well during the February 2025 resampling event (1.36 mg/L) is less than the UPL and therefore, not a SSI.

The groundwater monitoring well network for the PDP (JKS-65, JKS-66, and JKS-67, JKS-68, and JKS-69) was installed and sampled prior to construction of the PDP. As such, groundwater results collected prior to when the PDP became operational in October 2023 are considered to be representative of background/ natural conditions.

Summary

EP – The concentrations of constituents associated with potential SSIs (fluoride and pH) appear to be naturally occurring and reflect natural variability in groundwater quality.

FAL – The concentrations of constituents associated with potential SSIs (pH) appear to be naturally occurring and reflect natural variability in groundwater quality.

BAPs – The concentrations of constituents associated with potential SSIs (boron and fluoride) appear to be naturally occurring and reflect regional and site-specific natural variability in groundwater quality. In addition, if the concentrations were associated with a release, other elevated Appendix III constituents would be expected and the expectation would be that the detected boron concentrations would be lower based on the effluent water and bottom ash analyses.

SRHP – The concentrations of constituents associated with potential SSIs (boron) appear to be naturally occurring and reflect regional and site-specific natural variability in groundwater quality. In addition, if the concentrations were associated with a release, other elevated Appendix III constituents would be expected.

PDP – The concentrations of constituents associated with potential SSIs (boron) were less than the UPL during the February 2025 resampling event and therefore, not a SSI.

Conclusions

Based on the evidence provided in this *Alternate Source Demonstration*, no SSIs over background levels have been determined for any of the CPS Energy CCR units (EP, FAL, BAPs, SRHP, and PDP) and therefore, CPS Energy should continue with a detection monitoring program.

Regarding the identification of a naturally occurring source for these minor increases, a direct source has not been identified. However, topographic maps from the mid-1900s indicate this area was formerly woodland (not cultivated or agricultural land) and it is therefore assumed that the regional and site-specific variability is natural and therefore the source.

References

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Harkness, J. S., B. Sulkin, and A. Vengosh. 2016. Evidence for Coal Ash Ponds Leaking in the Southeastern United States. Environmental Science and Technology, v. 50 no. 12, p 6583-6592.

Izquierdo, M. and X. Querol. 2012. Leaching behaviour of elements from coal combustion fly ash: An overview. International Journal of Coal Geology. v. 94. p. 54-66.

Milligan, J. D. and R. J. Ruane. 1980. Effects of Coal-ash Leachate on Ground Water Quality. USEPA Interagency Energy/Environment R&D Program Report, EPA-600/7-80-066.

Openshaw, S. C. 1992. Utilization of Coal Fly Ash. MS Thesis. University of Florida.

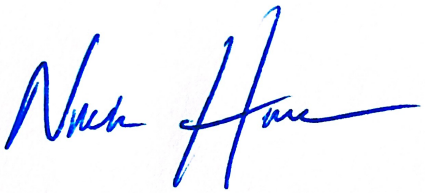
Certification

Certification from a Texas licensed professional geoscientist verifying the accuracy of the information provided in this *Alternate Source Demonstration* is provided in Attachment 3.

We appreciate the opportunity to work with you on this project. Please contact me if you should have any questions.

Yours sincerely,

Environmental Resources Management Southwest, Inc.



Nicholas Houtchens, P.G.
Senior Consultant

ATTACHMENT 1 GROUNDWATER ANALYTICAL RESULTS SUMMARIES

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
Evaporation Pond

		JKS-47 Upgradient																				
	Sample Date	12/8/16	2/28/17	3/29/17	5/3/17	6/21/17	7/26/17	8/30/17	10/11/17	4/5/18	10/30/18	4/10/19	10/23/19	4/29/20	10/21/20	4/14/21	10/19/21	4/14/22	10/26/22	04/19/23	10/18/23	04/10/24	10/08/24
	Task	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	Event 17	Event 18	Event 19	Event 20	Event 21	Event 22
Constituents	**Unit**	Dec 2016	Feb 2017	Mar 2017	May 2017	Jun 2017	Jul 2017	Aug 2017	Oct 2017	Apr 2018	Oct 2018	Apr 2019	Oct 2019	Apr 2020	Oct 2020	Apr 2021	Oct 2021	Apr 2022	Oct 2022	April 2023	Oct 2023	Apr 2024	Oct 2024
Appendix III - Detection Monitoring																							
Boron	mg/L	0.824	0.838	0.696	0.817	0.804	0.828 JH	0.760	1.02	0.844	0.806	0.590	1.05	0.800	0.904 JL	0.816	0.881	0.947	0.852	0.680	0.761 JL	0.766	0.688
Calcium	mg/L	54.0	62.1	168	26.2	71.1	62.7 JH	66.7	36.1	53.5	83.2 D	128	36.5	43.1	28.4	62.1	67.1	47.0	60.1	77.5	68.8	111	83.9
Chloride	mg/L	107	150	232 D	193	168	148 JH	210 D	68.5	151	186	279	53.9 X	107	60.9	154	162	123	133	196	168	253	206
Fluoride	mg/L	0.0360 U	0.0360 U	0.315	0.382 JH	0.213 JH	0.360 U	0.0960 U	0.0360 U	0.0360 U	0.0998 J	0.0985 J	0.154 JH	0.163	0.161	0.142	0.018 U	0.018 U	0.018 U	0.018 U	0.101	0.018 U	0.078
Sulfate	mg/L	213 D	267 D	369 D	299	266 D	248 JH	284 D	171	236	262	347	210 X	257	195	278	271	279	260	295	265 J	317	267
pH - Field Collected	SU	5.82	5.83	5.75	6.00	5.75	5.85	5.90	5.93	5.91	5.72	5.92	4.58	5.87	5.88	6.09	6.16	6.26	6.12	5.56	6.01	6.26	5.54
Total dissolved solids	mg/L	811	922	1170	1060	979	806 JH	904	677	787	727	1240	665	772	782	929	980	826	935	1040	899	1080	1070
Appendix IV - Assessment Monitoring																							
Antimony	mg/L	0.00120 U	0.000240 U	0.000294 J	0.00120 U	0.000275 J	0.000240 U	0.000240 U	0.000240 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Arsenic	mg/L	0.00442 J	0.00130 J	0.00136 J	0.00123 U	0.00185 J	0.00105 J	0.00124 J	0.000246 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Barium	mg/L	0.0475	0.0132	0.0180	0.0118 J	0.0154	0.00981	0.0104	0.00785	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Beryllium	mg/L	0.000813 J	0.000255 J	0.000131 U	0.000654 U	0.000352 J	0.000131 U	0.000172 J	0.000131 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cadmium	mg/L	0.000734 U	0.000637 J	0.000977 J	0.000797 J	0.000735 J	0.000611 J	0.000814 J	0.000147 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chromium	mg/L	0.234	0.00430	0.000988 J	0.00262 U	0.00262 J	0.000855 J	0.00130 J	0.000525 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cobalt	mg/L	0.00915 J	0.00102 J	0.00153 J	0.00113 J	0.00227	0.000976 J	0.00107 J	0.0000699 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoride	mg/L	0.0360 U	0.0360 U	0.315	0.382 JH	0.213 JH	0.360 U	0.0960 U	0.0360 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lead	mg/L	0.00586 J	0.000950 J	0.000448 J	0.000758 U	0.00157 J	0.000202 J	0.000449 J	0.000152 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lithium	mg/L	0.0615	0.0478	0.00238 U	0.0207	0.0720	0.0644	0.0799	0.0521	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Mercury	mg/L	0.0000600 J	0.0000263 U	0.0000263 U	0.0000263 U	0.0000263 U	0.0000263 U	0.0000263 U	0.0000263 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Molybdenum	mg/L	0.0317	0.00126 J	0.00173 J	0.00128 J	0.000788 J	0.000581 J	0.000653 J	0.000255 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Selenium	mg/L	0.0493	0.0697	0.0518	0.0564	0.0613	0.0577	0.0525	0.0854	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Thallium	mg/L	0.00166 U	0.000332 U	0.000332 U	0.00166 U	0.000332 U	0.000332 U	0.000332 U	0.000332 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226	pCi/L	1.2 ± 0.342	0.578 ± 0.275	0.630 ± 0.237	0.538 ± 0.192	0.729 ± 0.278	0.304 ± 0.233	1.06 ± 0.361	0.246 ± 0.180	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-228	pCi/L	1.66 ± 1.15	1.34 ± 1.05	1.27 ± 0.960 U	2.17 ± 1.01	0.664 ± 0.929	0.771 ± 1.48	1.65 ± 1.05	0.463 ± 0.886	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226/228 Combined	pCi/L	2.86 ± 1.492	1.918 ± 1.325	1.9 ± 1.197 U	2.708 ± 1.202	1.393 ± 1.207	1.075 ± 1.713	2.71 ± 1.411	0.709 ± 1.066	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

NOTES:
(A) JKS-63 plugged and abandoned and replaced with JKS-63R on 5/2/19. Sample events 1 through 10 collected from JKS-63 and thereafter from JKS-63R.
(1) Sample not collected due to the well going dry during sampling activities.
(2) Sample not collected due to blockage in the well casing.
mg/L: Milligrams per Liter.
SU: Standard Units.
pCi/L: Picocuries per Liter.
-- : Laboratory did not analyze sample for indicated constituent.
R: Resample event.
B: Target analyte or common lab contaminant was identified in the method blank.
D: Sample diluted due to targets detected over highest point of calibration curve or due to matrix interference.
J: Analyte detected above method (sample)
H: Bias in sample result likely to be high.
NR: Analysis of this constituent not required for detection monitoring.
L: Bias in sample result likely to be low.
U: Analyte not detected at laboratory reporting limit (Sample Detection Limit).
X: Matrix Spike/Matrix Spike Duplicate recoveries were found to be outside of the laboratory control limits.

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
Evaporation Pond

		JKS-63 / JKS-63R Upgradient (A)																				
	Sample Date	**12/8/16**	**2/22/17**	**3/29/17**	**5/3/17**	**--**	**7/26/17**	**8/30/17**	**10/11/17**	**4/5/18**	**--**	**8/20/19**	**10/23/19**	**4/29/20**	**11/17/20**	**4/14/21**	**10/19/21**	**4/14/22**	**10/26/22**	**04/18/23**	**10/18/23**	**04/10/24**	**10/09/24**
	Task	**Event 1**	**Event 2**	**Event 3**	**Event 4**	**Event 5**	**Event 6**	**Event 7**	**Event 8**	**Event 9**	**Event 10**	**Event 11**	**Event 12**	**Event 13**	**Event 14**	**Event 15**	**Event 16**	**Event 17**	**Event 18**	**Event 19**	**Event 20**	**Event 21**	**Event 22**
Constituents	**Unit**	**Dec 2016**	**Feb 2017**	**Mar 2017**	**May 2017**	**Jun 2017**	**Jul 2017**	**Aug 2017**	**Oct 2017**	**Apr 2018**	**Oct 2018**	**Apr 2019**	**Oct 2019**	**Apr 2020**	**Nov 2020**	**Apr 2021**	**Oct 2021**	**Apr 2022**	**Oct 2022**	**April 2023**	**Oct 2023**	**Feb 2024**	**Oct 2024**
Appendix III - Detection Monitoring																							
Boron	mg/L	0.800	0.866	NR	0.981	(1)	1.33 JH	1.23	1.06	1.13	(2)	2.03	1.03	0.950	1.12	1.12	1.23	1.16	1.27	1.11	1.33 JL	1.20	1.28
Calcium	mg/L	783	914	713	1060	(1)	835	174	872	836	(2)	221	953 D	952	1050	1060	1140	1000	1200	886	949	998	1070
Chloride	mg/L	1230 D	1160 D	1220 D	1340	(1)	1960 JHD	1890 D	1420	1670	(2)	2360 D	2240	2530	2830	2440	2590	2550	3020	2850	2730	2470	2860
Fluoride	mg/L	0.0573 J	0.320	0.297	0.364 JH	(1)	0.0971 JH	0.182 JH	0.0360 U	0.0360 U	(2)	0.206 J	0.352 JH	0.018 U	0.018 U	0.018 U	0.018 U	0.124	0.018 U	0.018 U	0.050	0.018 U	0.018 U
Sulfate	mg/L	0.0460 U	1860 D	1890 D	1860	(1)	1970 D	1920 D	1820	2110	(2)	1810 D	1750 D	1810	2120	1720	1640	1760	1820	1890	1920 J	1600	1620
pH - Field Collected	SU	5.61	5.35	5.60	5.85	(1)	5.88	5.82	5.63	5.64	(2)	--	4.76	5.83	5.79	5.99	6.07	6.29	6.18	6.16	6.6	6.36	6.16
Total dissolved solids	mg/L	5750	4760	4870	5560	(1)	6410	5000	5080	5220	(2)	6660	5200	7240	8190	8440	9940	8390	10700	9540	7560	7660	10300
Appendix IV - Assessment Monitoring																							
Antimony	mg/L	0.00120 U	0.000459 J	0.000695 J	0.00120 U	(1)	0.000240 U	0.000424 J	0.000240 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Arsenic	mg/L	0.00332 J	0.00294	0.00128 J	0.00123 U	(1)	0.000893 J	0.000992 J	0.000246 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Barium	mg/L	0.0626	0.0540	0.0336	0.0316	(1)	0.0294	0.0258	0.0222	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Beryllium	mg/L	0.000654 U	0.000930 J	0.000442 J	0.000654 U	(1)	0.000196 J	0.000223 J	0.000131 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cadmium	mg/L	0.00339 J	0.00405	0.00394	0.00316 J	(1)	0.00282	0.00263	0.00285	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chromium	mg/L	1.49	0.735	0.371	0.114	(1)	0.0742	0.0584	0.0130	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cobalt	mg/L	0.0802	0.0762	0.0546	0.0331	(1)	0.0137	0.0119	0.0119	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoride	mg/L	0.0573 J	0.320	0.297	0.364 JH	(1)	0.0971 JH	0.182 JH	0.0360 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lead	mg/L	0.00441 J	0.00599	0.00108 J	0.000758 U	(1)	0.000238 J	0.000551 J	0.000152 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lithium	mg/L	0.000476 U	0.116	0.00238 U	0.654	(1)	0.946	1.15	0.791	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Mercury	mg/L	0.000236	0.000237	0.000206	0.0000400 J	(1)	0.000260	0.000441	0.000376	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Molybdenum	mg/L	0.186	0.00789	0.00966	0.00419 J	(1)	0.00281	0.00180 J	0.000255 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Selenium	mg/L	0.0188	0.0210	0.0257	0.0188	(1)	0.0288	0.0318	0.0244	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Thallium	mg/L	0.00166 U	0.000332 U	0.000332 U	0.00166 U	(1)	0.000332 U	0.000332 U	0.000332 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226	pCi/L	3.42 ± 0.573	2.76 ± 0.476	5.79 ± 0.790	4.57 ± 0.577	(1)	6.7 ± 0.744	7.36 ± 0.874	5.04 ± 0.711	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-228	pCi/L	2.44 ± 1.44	4.13 ± 1.21	2.04 ± 1.61 U	3.41 ± 0.968	(1)	10.9 ± 2.31	1.79 ± 1.27	6.77 ± 1.48	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226/228 Combined	pCi/L	5.86 ± 2.013	6.89 ± 1.686	7.83 ± 2.4 U	7.98 ± 1.545	(1)	17.6 ± 3.054	9.15 ± 2.144	11.81 ± 2.191	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

NOTES:
(A) JKS-63 plugged and abandoned and replaced with JKS-63R on 5/2/19. Sample events 1 through 10 collected from JKS-63 and thereafter from JKS-63R.
(1) Sample not collected due to the well going dry during sampling activities.
(2) Sample not collected due to blockage in the well casing.
mg/L: Milligrams per Liter.
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H: Bias in sample result likely to be high.
NR: Analysis of this constituent not required for detection monitoring.
L: Bias in sample result likely to be low.
U: Analyte not detected at laboratory reporting limit (Sample Detection Limit).
X: Matrix Spike/Matrix Spike Duplicate recoveries were found to be outside of the laboratory control limits.

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
Evaporation Pond

		JKS-64 Downgradient																				
	Sample Date	12/8/16	2/23/17	3/29/17	5/4/17	6/21/17	7/26/17	8/30/17	10/11/17	4/5/18	10/30/18	4/10/19	10/23/19	4/29/20	10/21/20	4/14/21	10/19/21	4/14/22	10/26/22	04/19/23	10/18/23	04/09/24	10/08/24
	Task	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 10	Event 11	Event 12	Event 13	Event 14	Event 15	Event 16	Event 17	Event 18	Event 19	Event 20	Event 21	Event 22
Constituents	**Unit**	Dec 2016	Feb 2017	Mar 2017	May 2017	Jun 2017	Jul 2017	Aug 2017	Oct 2017	Apr 2018	Oct 2018	Apr 2019	Oct 2019	Apr 2020	Oct 2020	Apr 2021	Oct 2021	Apr 2022	Oct 2022	April 2023	Oct 2023	Feb 2024	Oct 2024
Appendix III - Detection Monitoring																							
Boron	mg/L	0.839	0.837	1.14	0.962	0.816	0.904 JH	0.835	0.901	0.837	0.805	0.804	0.747	0.711	0.735 JL	0.771	0.844	0.874	0.731 JL	0.683	0.741	0.864	0.752
Calcium	mg/L	24.0	24.0	31.4	23.8	20.6	21.7 JH	21.6	25.2	23.6	24.4	23.0	24.4	20.3	20.4	23.9	0.0004 J	25.1	23.2	21.6	23.8	26.3	23.9
Chloride	mg/L	12.7	12.4	11.8	11.0	11.4	11.5	11.5	9.63	14.2	15.5	16.6	17.7	18.2	16.0	18.4	15.7	16.2	20.2	19.2	22.4	21.1	21.2
Fluoride	mg/L	0.0360 U	0.294 JH	0.332	0.188	0.231 JH	0.157 JH	0.224 JH	0.0360 U	0.0360 U	0.106 J	0.121 J	0.176 JH	0.143	0.101	0.380	0.018 U	0.183	0.383	0.107	0.110	0.090	0.122
Sulfate	mg/L	171	182	184	174	172	170 JH	172	164	189	196	193	192 X	209	212	218	196	202	209 J	212	205	206	194
pH - Field Collected	SU	6.46	5.50	6.30	6.33	6.21	6.09	6.20	6.21	6.13	5.97	6.14	4.82	5.86	5.96	6.07	6.19	6.36	6.20	5.51	6	6.21	0.752
Total dissolved solids	mg/L	594	585	611	581	572	555 JH	463	576	549	525	551	588	569	664	586	597	573	677	574	560	598	505
Appendix IV - Assessment Monitoring																							
Antimony	mg/L	0.000240 U	0.000240 U	0.000240 U	0.00120 U	0.000240 U	0.000240 U	0.000240 U	0.000240 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Arsenic	mg/L	0.000911 J	0.000730 J	0.000556 J	0.00123 U	0.000476 J	0.000490 J	0.000519 J	0.000246 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Barium	mg/L	0.00768	0.00451	0.00392 J	0.00410 J	0.00320 J	0.00324 J	0.00275 BJ	0.000484 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Beryllium	mg/L	0.000131 U	0.000131 U	0.000131 U	0.000654 U	0.000131 U	0.000131 U	0.000131 U	0.000131 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cadmium	mg/L	0.000147 U	0.000147 U	0.000147 U	0.000734 U	0.000147 U	0.000147 U	0.000147 U	0.000147 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chromium	mg/L	0.000525 U	0.000905 J	0.000525 U	0.00262 U	0.000867 J	0.000637 J	0.000961 J	0.000525 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cobalt	mg/L	0.000998 J	0.000952 J	0.000851 J	0.000859 J	0.000745 J	0.000856 J	0.000889 J	0.0000699 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoride	mg/L	0.0360 U	0.294 JH	0.332	0.188	0.231 JH	0.157 JH	0.224 JH	0.0360 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lead	mg/L	0.000186 J	0.000152 U	0.000152 U	0.000758 U	0.000152 U	0.000152 U	0.000152 U	0.000152 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lithium	mg/L	0.0173 J	0.0146 J	0.00238 U	0.0152 J	0.0173 J	0.0181 J	0.0252	0.0208	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Mercury	mg/L	0.0000263 UX	0.0000263 U	0.0000263 U	0.0000263 U	0.0000263 U	0.0000263 U	0.0000263 U	0.0000263 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Molybdenum	mg/L	0.000398 J	0.000317 J	0.000255 U	0.00128 U	0.000265 J	0.000255 U	0.000273 J	0.000255 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Selenium	mg/L	0.000512 J	0.000550 J	0.000495 J	0.00227 U	0.000468 J	0.000468 J	0.000454 U	0.000454 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Thallium	mg/L	0.000332 U	0.000332 U	0.000332 U	0.00166 U	0.000332 U	0.000332 U	0.000332 U	0.000332 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226	pCi/L	0.981 ± 0.400	1.16 ± 0.408	0.530 ± 0.284	0.231 ± 0.174	0.258 ± 0.175	0.286 ± 0.247	1.05 ± 0.361	0.531 ± 0.276	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-228	pCi/L	0.429 ± 1.56	2.07 ± 1.22	-0.102 ± 1.07 U	0.408 ± 0.764	0.699 ± 0.761	2.49 ± 1.54	0.26 ± 0.639	1 ± 0.834	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226/228 Combined	pCi/L	1.41 ± 1.96	3.23 ± 1.628	0.428 ± 0.284	0.639 ± 0.938	0.957 ± 0.936	2.776 ± 1.787	1.31 ± 1	1.531 ± 1.11	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

NOTES:
(A) JKS-63 plugged and abandoned and replaced with JKS-63R on 5/2/19. Sample events 1 through 10 collected from JKS-63 and thereafter from JKS-63R.
(1) Sample not collected due to the well going dry during sampling activities.
(2) Sample not collected due to blockage in the well casing.
mg/L: Milligrams per Liter.
SU: Standard Units.
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-- : Laboratory did not analyze sample for indicated constituent.
R: Resample event.
B: Target analyte or common lab contaminant was identified in the method blank.
D: Sample diluted due to targets detected over highest point of calibration curve or due to matrix interference.
J: Analyte detected above method (sample)
H: Bias in sample result likely to be high.
NR: Analysis of this constituent not required for detection monitoring.
L: Bias in sample result likely to be low.
U: Analyte not detected at laboratory reporting limit (Sample Detection Limit).
X: Matrix Spike/Matrix Spike Duplicate recoveries were found to be outside of the laboratory control limits.

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
Evaporation Pond

		JKS-36 Downgradient																					
	Sample Date	**12/8/16**	**2/23/17**	**3/29/17**	**5/4/17**	**6/21/17**	**7/26/17**	**8/30/17**	**10/11/17**	**4/5/18**	**10/30/18**	**4/10/19**	**10/22/19**	**4/29/20**	**10/21/20**	**4/14/21**	**10/19/21**	**4/13/22**	**10/25/22**	**04/18/23**	**10/17/23**	**04/09/24**	**10/08/24**	**02/12/25**
	Task	**Event 1**	**Event 2**	**Event 3**	**Event 4**	**Event 5**	**Event 6**	**Event 7**	**Event 8**	**Event 9**	**Event 10**	**Event 11**	**Event 12**	**Event 13**	**Event 14**	**Event 15**	**Event 16**	**Event 17**	**Event 18**	**Event 19**	**Event 20**	**Event 21**	**Event 22**	**Event 22R**
Constituents	**Unit**	**Dec 2016**	**Feb 2017**	**Mar 2017**	**May 2017**	**Jun 2017**	**Jul 2017**	**Aug 2017**	**Oct 2017**	**Apr 2018**	**Oct 2018**	**Apr 2019**	**Oct 2019**	**Apr 2020**	**Oct 2020**	**Apr 2021**	**Oct 2021**	**Apr 2022**	**Oct 2022**	**April 2023**	**Oct 2023**	**Apr 2024**	**Oct 2024**	**Feb 2025**
Appendix III - Detection Monitoring																							
Boron	mg/L	0.308	0.671	0.748	0.731	0.581	0.625 JH	0.663	0.637	0.625	0.686	0.663	0.632	0.459	0.456 JL	0.436	0.630	0.556	0.431	0.415 JL	0.368 JL	0.481	0.560	---
Calcium	mg/L	69.7	165	147	282	247	255 JHX	241	289	281	311 D	315 D	265 D	175	259	268	299	260	173	166	168	164	320	---
Chloride	mg/L	14.5	199 D	37.0	355	364 D	379 JHD	319 D	328	347 X	313	285	274	63.3	319	316	260	295	383	341	0.052 U	111	302	---
Fluoride	mg/L	0.0360 U	0.439 JH	0.330	1.53	1.26	1.37 JH	1.30	1.32	1.95 X	1.47	1.45	1.41	1.18	1.07	1.02	0.018 U	1.71	1.73	1.30	0.517	0.063	0.496	---
Sulfate	mg/L	49.2	409 D	271 D	726	731 D	775 JHD	707 D	741	816 X	946	697	756 D	189	890	923	727	769	1080	950	838 J	384	891	---
pH - Field Collected	SU	6.71	4.96	6.98	4.04	3.72	3.80	5.20	3.24	3.48	3.61	3.71	3.66	3.42	3.98	4.29	5.96	6.78	4.41	4.55	6.99	6.41	8.86	4.71
Total dissolved solids	mg/L	368	1010	591	1610	1820	1700 JH	1220	1770	1650	1630	1520	1600	1790	1930	2100	1640	2200	2410	2020	1940 JL	851	1790	---
Appendix IV - Assessment Monitoring																								
Antimony	mg/L	0.00120 U	0.000240 U	0.00123 J	0.00120 U	0.000240 U	0.00121 J	0.000240 U	0.000240 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Arsenic	mg/L	0.00123 U	0.000588 J	0.00134 J	0.00324 J	0.00276	0.00369	0.00341	0.00372	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Barium	mg/L	0.0988	0.0967	0.139	0.0270	0.0187	0.0207	0.0372	0.0225	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Beryllium	mg/L	0.000654 U	0.00198 J	0.000131 U	0.0259	0.0226	0.0261	0.0212	0.0259	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cadmium	mg/L	0.00257 J	0.00510	0.000548 J	0.0118	0.0102	0.0117	0.0101	0.0113	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chromium	mg/L	0.00262 U	0.00608	0.0409	0.0100 J	0.00968	0.0156	0.00792	0.0132	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cobalt	mg/L	0.000579 J	0.0871	0.00751	0.220	0.186	0.216	0.195	0.215	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoride	mg/L	0.0360 U	0.439 JH	0.330	1.53	1.26	1.37 JH	1.30	1.32	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lead	mg/L	0.000758 U	0.000152 U	0.000152 U	0.000758 U	0.000164 J	0.000220 J	0.000261 J	0.000152 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lithium	mg/L	0.0123 J	0.119	0.00238 U	0.326	0.340	0.371	0.372	0.379	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Mercury	mg/L	0.000834	0.000289	0.00143	0.00240	0.00244	0.00160	0.00113	0.00226	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Molybdenum	mg/L	0.00397 J	0.00261	0.0686	0.00183 J	0.000704 J	0.000791 J	0.00151 J	0.000255 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Selenium	mg/L	0.0334	0.0448	0.0313	0.0673	0.0616	0.0697	0.0633	0.0663	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Thallium	mg/L	0.00166 U	0.000487 J	0.000332 U	0.00166 U	0.000876 J	0.00114 J	0.000889 J	0.000332 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226	pCi/L	0.0888 ± 0.151	1.12 ± 0.342	0.453 ± 0.276	4.85 ± 0.656	4.02 ± 0.608	4.32 ± 0.667	6.28 ± 0.845	3.6 ± 0.600	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-228	pCi/L	2.14 ± 1.02	2.17 ± 0.979	0.166 ± 0.861	4.28 ± 1.19	3.44 ± 1.04	3.95 ± 1.79	2.63 ± 0.928	3.3 ± 1.33	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226/228 Combined	pCi/L	2.2288 ± 1.171	3.29 ± 1.321	0.619 ± 1.137	9.13 ± 1.846	7.46 ± 1.648	8.27 ± 2.457	8.91 ± 1.773	6.9 ± 1.93	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

NOTES:
(A) JKS-63 plugged and abandoned and replaced with JKS-63R on 5/2/19. Sample events 1 through 10 collected from JKS-63 and thereafter from JKS-63R.
(1) Sample not collected due to the well going dry during sampling activities.
(2) Sample not collected due to blockage in the well casing.
mg/L: Milligrams per Liter.
SU: Standard Units.
pCi/L: Picocuries per Liter.
-- : Laboratory did not analyze sample for indicated constituent.
R: Resample event.
B: Target analyte or common lab contaminant was identified in the method blank.
D: Sample diluted due to targets detected over highest point of calibration curve or due to matrix interference.
J: Analyte detected above method (sample)
H: Bias in sample result likely to be high.
NR: Analysis of this constituent not required for detection monitoring.
L: Bias in sample result likely to be low.
U: Analyte not detected at laboratory reporting limit (Sample Detection Limit).
X: Matrix Spike/Matrix Spike Duplicate recoveries were found to be outside of the laboratory control limits.

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
Evaporation Pond

		JKS-61 Downgradient																						
Sample Date		**12/7/16**	**2/23/17**	**3/29/17**	**5/3/17**	**6/21/17**	**7/26/17**	**8/30/17**	**10/11/17**	**4/5/18**	**10/31/18**	**2/5/19**	**4/10/19**	**10/22/19**	**2/25/20**	**4/29/20**	**10/21/20**	**4/13/21**	**10/19/21**	**2/22/22**	**4/13/22**	**10/25/22**	**04/19/23**	**10/17/23**	**04/09/24**	**10/08/24**
Task		**Event 1**	**Event 2**	**Event 3**	**Event 4**	**Event 5**	**Event 6**	**Event 7**	**Event 8**	**Event 9**	**Event 10**	**Event 10R**	**Event 11**	**Event 12**	**Event 12R**	**Event 13**	**Event 14**	**Event 15**	**Event 16**	**Event 16R**	**Event 17**	**Event 18**	**Event 19**	**Event 20**	**Event 21**	**Event 22**
Constituents	**Unit**	**Dec 2016**	**Feb 2017**	**Mar 2017**	**May 2017**	**Jun 2017**	**Jul 2017**	**Aug 2017**	**Oct 2017**	**Apr 2018**	**Oct 2018**	**Feb 2019**	**Apr 2019**	**Oct 2019**	**Feb 2020**	**Apr 2020**	**Oct 2020**	**Apr 2021**	**Oct 2021**	**Feb 2022**	**Apr 2022**	**Oct 2022**	**April 2023**	**Oct 2023**	**Apr 2024**	**Oct 2024**
Appendix III - Detection Monitoring																										
Boron	mg/L	1.07	1.29	1.15	1.18	0.960	1.01 JH	0.994	0.997	1.09	3.25	3.12	2.72	2.90	2.30	1.82	1.82 JL	1.57	1.95	1.86	1.83	1.33	1.06	1.01 JL	1.22	1.00
Calcium	mg/L	134	95.9	155	113	115	107 JH	105	135	171	197 D	--	176	168 D	--	154	172	122	130	--	144	104	71.2	82.4	92.4	60.0
Chloride	mg/L	198	158	162	168	193	190 JH	218 D	210	285	213	--	253	248	--	312	281	204	207	--	248	201	150	0.052 U	149	105
Fluoride	mg/L	0.393	0.503	0.522	0.643 JH	0.459 JH	0.479 JH	0.0960 U	0.0360 U	0.406 J	0.430 J	--	0.403 J	0.480 J	--	0.494	0.366	0.216	0.018 U	--	0.363	0.018 U	0.355	0.445	0.435	0.383
Sulfate	mg/L	401 D	377 JD	382 D	388	408 D	390 JHD	385 D	401	562	548	--	619	548 D	--	604	533	393	397	--	420	407	331	274 J	322	264
pH - Field Collected	SU	6.72	6.51	6.48	6.68	6.53	6.55	7.40	6.27	6.42	6.38	6.37	6.52	5.61	5.7	6.27	6.57	6.40	6.52	6.58	6.83	7.10	5.96	7.51	6.55	8.04
Total dissolved solids	mg/L	1400	1180	1190	1260	1430	1290 JH	1170	1280	1620	514	1620	1650	1790	--	1870	2000	1320	1380	--	1410	1280	1090	993 JL	1020	856
Appendix IV - Assessment Monitoring																										
Antimony	mg/L	0.00120 U	0.000240 U	0.000240 U	0.00120 U	0.000240 U	0.000240 U	0.000240 U	0.000240 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Arsenic	mg/L	0.00123 U	0.000768 J	0.000709 J	0.00123 U	0.000563 J	0.000622 J	0.000569 J	0.000246 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Barium	mg/L	0.0364	0.0186	0.0173	0.0178 J	0.0148	0.0167	0.0153	0.0162	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Beryllium	mg/L	0.000654 U	0.000131 U	0.000131 U	0.000654 U	0.000131 U	0.000131 U	0.000131 U	0.000131 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cadmium	mg/L	0.000734 U	0.000147 U	0.000147 U	0.000734 U	0.000147 U	0.000147 U	0.000147 U	0.000147 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chromium	mg/L	0.00262 U	0.000911 J	0.000525 U	0.00262 U	0.000525 U	0.000604 J	0.000808 J	0.000525 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cobalt	mg/L	0.000719 J	0.000725 J	0.000769 J	0.000779 J	0.000805 J	0.000765 J	0.000855 J	0.0000699 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoride	mg/L	0.393	0.503	0.522	0.643 JH	0.459 JH	0.479 JH	0.0960 U	0.0360 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lead	mg/L	0.000758 U	0.000152 U	0.000152 U	0.000758 U	0.000152 U	0.000152 U	0.000152 U	0.000152 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lithium	mg/L	0.000476 U	0.0158 J	0.00238 U	0.0120 J	0.0342	0.0336	0.0443	0.0335	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Mercury	mg/L	0.0000263 U	0.0000263 U	0.0000263 U	0.0000263 U	0.0000263 U	0.0000263 U	0.0000263 U	0.0000263 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Molybdenum	mg/L	0.00165 J	0.00129 J	0.000984 J	0.00128 U	0.000776 J	0.000742 J	0.000712 J	0.000255 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Selenium	mg/L	0.00227 U	0.00123 J	0.00123 J	0.00227 U	0.00185 J	0.00154 J	0.00172 J	0.000454 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Thallium	mg/L	0.00166 U	0.000332 U	0.000332 U	0.00166 U	0.000332 U	0.000332 U	0.000332 U	0.000332 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226	pCi/L	1.15 ± 0.429	0.723 ± 0.306	0.256 ± 0.237 U	0.237 ± 0.193	0.398 ± 0.239	0.511 ± 0.223	0.821 ± 0.324	0.485 ± 0.212	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-228	pCi/L	2.79 ± 1.44	0.358 ± 1.06	0.761 ± 0.688 U	-0.064 ± 0.607	2.03 ± 0.997	0.491 ± 0.813	0.247 ± 0.710	1.64 ± 1.08	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226/228 Combined	pCi/L	3.94 ± 1.869	1.081 ± 1.366	1.017 ± 0.925 U	0.173 ± 0.800	2.428 ± 1.236	1.002 ± 1.036	1.068 ± 1.034	2.125 ± 1.292	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

NOTES:
(A) JKS-63 plugged and abandoned and replaced with JKS-63R on 5/2/19. Sample events 1 through 10 collected from JKS-63 and thereafter from JKS-63R.
(1) Sample not collected due to the well going dry during sampling activities.
(2) Sample not collected due to blockage in the well casing.
mg/L: Milligrams per Liter.
SU: Standard Units.
pCi/L: Picocuries per Liter.
-- : Laboratory did not analyze sample for indicated constituent.
R: Resample event.
B: Target analyte or common lab contaminant was identified in the method blank.
D: Sample diluted due to targets detected over highest point of calibration curve or due to matrix interference.
J: Analyte detected above method (sample)
H: Bias in sample result likely to be high.
NR: Analysis of this constituent not required for detection monitoring.
L: Bias in sample result likely to be low.
U: Analyte not detected at laboratory reporting limit (Sample Detection Limit).
X: Matrix Spike/Matrix Spike Duplicate recoveries were found to be outside of the laboratory control limits.

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
Evaporation Pond

		JKS-62 Downgradient																					
	Sample Date	**12/8/16**	**2/23/17**	**3/29/17**	**5/4/17**	**6/21/17**	**7/26/17**	**8/30/17**	**10/11/17**	**4/5/18**	**10/30/18**	**4/10/19**	**10/23/19**	**4/29/20**	**11/17/20**	**4/14/21**	**10/19/21**	**4/13/22**	**--**	**--**	**--**	**2/14/24**	**4/9/24**	**10/10/24**
	Task	**Event 1**	**Event 2**	**Event 3**	**Event 4**	**Event 5**	**Event 6**	**Event 7**	**Event 8**	**Event 9**	**Event 10**	**Event 11**	**Event 12**	**Event 13**	**Event 14**	**Event 15**	**Event 16**	**Event 17**	**Event 18**	**Event 19**	**Event 20**	**Event 21**	**Event 22**	**Event 22**
Constituents	**Unit**	**Dec 2016**	**Feb 2017**	**Mar 2017**	**May 2017**	**Jun 2017**	**Jul 2017**	**Aug 2017**	**Oct 2017**	**Apr 2018**	**Oct 2018**	**Apr 2019**	**Oct 2019**	**Apr 2020**	**Nov 2020**	**Apr 2021**	**Oct 2021**	**Apr 2022**	**Oct 2022**	**April 2023**	**Oct 2023**	**Feb 2024**	**Apr 2024**	**Oct 2024**
Appendix III - Detection Monitoring																								
Boron	mg/L	0.549	0.481	0.597	0.601	0.501	0.485 JH	0.485	0.549	0.522	0.559	0.612	0.528	0.484	0.537	0.541	0.558	0.874	(1)	(1)	(1)	0.494	0.566	0.446
Calcium	mg/L	155	152	220	156	150	134 JH	150	158	160	161 D	205 D	151 D	122	144	149	159	25.1	(1)	(1)	(1)	88.1	98.3	74.6
Chloride	mg/L	257 D	279 DX	279 D	278	291 D	260 JHD	281 D	241	312	279	336	276	284	284	279	270	16.2	(1)	(1)	(1)	94.1	122	86.5
Fluoride	mg/L	0.246	0.362 JH	0.418	0.388	0.366 JH	0.342 JH	0.233 JH	0.0360 U	0.353 J	0.309 J	0.356 J	0.380 J	0.331	0.295	0.258	0.018 U	0.183	(1)	(1)	(1)	0.255	0.232	0.182
Sulfate	mg/L	190	187	193	188	184	181 JH	188 D	175	200	183	191	183	190	212	191	180	202	(1)	(1)	(1)	132	161	128
pH - Field Collected	SU	6.79	6.67	6.63	6.71	6.68	6.82	7.51	6.52	6.72	6.58	6.29	5.43	6.54	6.55	6.61	6.67	6.89	(1)	(1)	(1)	6.84	6.81	6.89
Total dissolved solids	mg/L	1120	1170	1140	1100	1080	976 JH	1080	1080	1110	956	1190	1160	1100	1040	1100	1070	573	(1)	(1)	(1)	78.9	756	642
Appendix IV - Assessment Monitoring																								
Antimony	mg/L	0.000240 U	0.000240 U	0.000240 U	0.00120 U	0.000240 U	0.000240 U	0.000240 U	0.000240 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Arsenic	mg/L	0.000684 J	0.000293 J	0.000246 U	0.00123 U	0.000254 J	0.000246 U	0.000246 U	0.000246 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Barium	mg/L	0.0825	0.0786	0.0813	0.0747	0.0734	0.0737	0.0708	0.0793	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Beryllium	mg/L	0.000131 U	0.000131 U	0.000131 U	0.000654 U	0.000131 U	0.000131 U	0.000131 U	0.000131 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cadmium	mg/L	0.000147 U	0.000147 U	0.000147 U	0.000734 U	0.000147 U	0.000147 U	0.000147 U	0.000147 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chromium	mg/L	0.00186 J	0.00109 J	0.000525 U	0.00262 U	0.000551 J	0.000691 J	0.00107 J	0.000525 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cobalt	mg/L	0.00110 J	0.000198 J	0.000744 J	0.000350 U	0.000278 J	0.000211 J	0.0000699 U	0.0000699 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoride	mg/L	0.246	0.362 JH	0.418	0.388	0.366 JH	0.342 JH	0.233 JH	0.0360 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lead	mg/L	0.000588 J	0.000152 U	0.000152 U	0.000758 U	0.000154 J	0.000152 U	0.000152 U	0.000152 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lithium	mg/L	0.000476 U	0.0129 J	0.00238 U	0.00134 J	0.0353	0.0305	0.0457	0.0263	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Mercury	mg/L	0.0000540 J	0.0000263 U	0.0000263 U	0.0000263 U	0.0000263 U	0.0000263 U	0.0000263 U	0.0000263 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Molybdenum	mg/L	0.000414 J	0.000259 J	0.000255 U	0.00128 U	0.000255 U	0.000255 U	0.000255 U	0.000255 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Selenium	mg/L	0.222	0.192	0.196	0.195	0.185	0.181	0.191	0.208	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Thallium	mg/L	0.000332 U	0.000332 U	0.000332 U	0.00166 U	0.000332 U	0.000332 U	0.000332 U	0.000332 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226	pCi/L	0.485 ± 0.229	0.402 ± 0.220	0.665 ± 0.321	0.0997 ± 0.153	0.425 ± 0.233	0.399 ± 0.220	2.02 ± 0.489	0.669 ± 0.279	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-228	pCi/L	2.15 ± 1.38	1.53 ± 1.28 U	0.305 ± 1.10 U	-0.138 ± 0.656	0.66 ± 0.760	1.07 ± 0.949	0.673 ± 0.821	0.371 ± 0.631	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226/228 Combined	pCi/L	2.635 ± 1.609	1.932 ± 1.5 U	0.97 ± 1.421 U	-0.038 ± 0.809	1.085 ± 0.993	1.469 ± 1.169	2.693 ± 1.31	1.04 ± 0.91	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

NOTES:
(A) JKS-63 plugged and abandoned and replaced with JKS-63R on 5/2/19. Sample events 1 through 10 collected from JKS-63 and thereafter from JKS-63R.
(1) Sample not collected due to the well going dry during sampling activities.
(2) Sample not collected due to blockage in the well casing.
mg/L: Milligrams per Liter.
SU: Standard Units.
pCi/L: Picocuries per Liter.
-- : Laboratory did not analyze sample for indicated constituent.
R: Resample event.
B: Target analyte or common lab contaminant was identified in the method blank.
D: Sample diluted due to targets detected over highest point of calibration curve or due to matrix interference.
J: Analyte detected above method (sample)
H: Bias in sample result likely to be high.
NR: Analysis of this constituent not required for detection monitoring.
L: Bias in sample result likely to be low.
U: Analyte not detected at laboratory reporting limit (Sample Detection Limit).
X: Matrix Spike/Matrix Spike Duplicate recoveries were found to be outside of the laboratory control limits.

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
Evaporation Pond

		JKS-72 Downgradient					
	Sample Date	**10/17/23**	**2/13/24**	**4/10/24**	**8/20/24**	**10/10/24**	**02/12/25**
	Task	**Event 1**	**Event 2**	**Event 3**	**Event 4**	**Event 5**	**Event 6**
Constituents	**Unit**	**Oct 2023**	**Feb 2024**	**Apr 2024**	**Aug 2024**	**Oct 2024**	**Feb 2025**
Appendix III - Detection Monitoring							
Boron	mg/L	4.44 JL	4.02	4.25	3.91	4.08	3.79
Calcium	mg/L	388	442	413	373	424	368
Chloride	mg/L	351	334	384	360	337	400
Fluoride	mg/L	0.018 U	0.018 U	0.411	0.018 U	0.344	0.369
Sulfate	mg/L	1710 J	1700	1720	1730	1500	1810
pH - Field Collected	SU	7.88	4.94	6.57	5.81	5.93	6.67
Total dissolved solids	mg/L	3150 JL	3420	3440	3210	3210	3560
Appendix IV - Assessment Monitoring							
Antimony	mg/L	0.002 UJL	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Arsenic	mg/L	0.002 J	0.002 J	0.0006 U	0.0006 U	0.003 J	0.0009 J
Barium	mg/L	0.054 JL	0.038	0.038	0.033	0.31	0.03
Beryllium	mg/L	0.0006 JL	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U
Cadmium	mg/L	0.003 JL	0.002 J	0.026	0.003 J	0.016	0.004 J
Chromium	mg/L	0.001 JL	0.008 J	0.004 J	0.001 J	0.002 J	0.002 J
Cobalt	mg/L	0.012L	0.010 J	0.004 J	0.006 J	0.007 J	0.006 J
Fluoride	mg/L	0.018 U	0.018 U	0.411	0.018 U	0.344	0.369
Lead	mg/L	0.008 J	0.013	0.004 J	0.004 JH	0.012	0.004 J
Lithium	mg/L	0.16 J	0.26	0.35	0.086 J	0.015 UJL	0.15 U
Mercury	mg/L	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0002
Molybdenum	mg/L	0.006 J	0.003 J	0.003 J	0.001 J	0.003 J	0.002 J
Selenium	mg/L	0.044	0.017	0.026	0.036	0.035	0.038
Thallium	mg/L	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009 U
Radium-226	pCi/L	2.14 ± 0.483 JL	1.78 ± 0.385	2.36 ± 0.527	3.79 ± 0.891 JL	3.20 ± 0.606	2.44 ± 0.548
Radium-228	pCi/L	3.59 ± 1.36 JL	2.18 ± 0.854	2.38 ± 0.612	3.28 ± 1.18 JL	2.70 ± 1.24	2.37 ± 0.962
Radium-226/228 Combined	pCi/L	5.73 ± 1.44 JL	3.97 ± 0.937	4.74 ± 0.808	7.07 ± 1.48 JL	5.90 ± 1.38	4.80 ± 1.11

NOTES:
(A) JKS-63 plugged and abandoned and replaced with JKS-63R on 5/2/19. Sample events 1 through 10 collected from JKS-63 and thereafter from JKS-63R.
(1) Sample not collected due to the well going dry during sampling activities.
(2) Sample not collected due to blockage in the well casing.
mg/L: Milligrams per Liter.
SU: Standard Units.
pCi/L: Picocuries per Liter.
-- : Laboratory did not analyze sample for indicated constituent.
R: Resample event.
B: Target analyte or common lab contaminant was identified in the method blank.
D: Sample diluted due to targets detected over highest point of calibration curve or due to matrix interference.
J: Analyte detected above method (sample)
H: Bias in sample result likely to be high.
NR: Analysis of this constituent not required for detection monitoring.
L: Bias in sample result likely to be low.
U: Analyte not detected at laboratory reporting limit (Sample Detection Limit).
X: Matrix Spike/Matrix Spike Duplicate recoveries were found to be outside of the laboratory control limits.

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
Fly Ash Landfill

		JKS-45 Upgradient																				
	Sample Date	**12/6/16**	**2/23/17**	**3/28/17**	**5/3/17**	**6/20/17**	**7/25/17**	**8/29/17**	**10/10/17**	**4/4/18**	**10/30/18**	**4/10/19**	**10/23/19**	**4/28/20**	**10/21/20**	**4/13/21**	**10/20/21**	**4/13/22**	**10/25/22**	**04/18/23**	**10/17/23**	**04/10/24**	**10/09/24**
	Task	**Event 1**	**Event 2**	**Event 3**	**Event 4**	**Event 5**	**Event 6**	**Event 7**	**Event 8**	**Event 9**	**Event 10**	**Event 11**	**Event 12**	**Event 13**	**Event 14**	**Event 15**	**Event 16**	**Event 17**	**Event 18**	**Event 19**	**Event 20**	**Event 21**	**Event 22**
Constituents	**Unit**	**Dec 2016**	**Feb 2017**	**Mar 2017**	**May 2017**	**Jun 2017**	**Jul 2017**	**Aug 2017**	**Oct 2017**	**Apr 2018**	**Oct 2018**	**Apr 2019**	**Oct 2019**	**Apr 2020**	**Oct 2020**	**Apr 2021**	**Oct 2021**	**Apr 2022**	**Oct 2022**	**Apr 2023**	**Oct 2023**	**Apr 2024**	**Oct 2024**
Appendix III - Detection Monitoring																						
Boron	mg/L	1.65	1.51	2.27	1.11	2.03	1.91	2.02	2.21	2.28	3.24	2.78	2.98	3.01	2.81	2.76	2.94	2.67	2.77	2.57	2.52	2.86	2.51
Calcium	mg/L	144	122	184	105	101	103	120	130	128	161 D	195	161 D	141 J	132	146	188	178	152	139	153	170	172
Chloride	mg/L	196	187	181 J	160	152	0.803	345 JHD	24.8	118	137	167	144	113	98.7	109	130	134	104	96.1	90.6	96.2	104
Fluoride	mg/L	0.0360 U	0.207	0.334	0.337 JH	0.174 J	0.274 JH	0.0960 U	0.131 JH	0.0360 U	0.0360 U	0.0621 UJ	0.101 J	0.100	0.018 U	0.018 U	0.018 U	0.018 U	0.169	0.087	0.018 U	0.092	0.117
Sulfate	mg/L	623 D	639 D	661	613 X	602 D	2.95 JH	770 JHD	120	662 D	707	874	698	619	564	561	634	651	629	598	536	552	626
pH - Field Collected	SU	5.41	5.17	3.98	5.62	5.13	5.66	5.82	5.60	5.59	5.70	5.03	5.59	5.85	5.94	5.99	5.93	6.06	6.03	6.21	6.6	6.54	5.98
Total dissolved solids	mg/L	1270	1300	1330	1350	1270	1250	1680 JH	1100	1190	741	1350	1320	1590	1260	1360	1390	1550	1320	1250	1200	1290	1300
Appendix IV - Assessment Monitoring																							
Antimony	mg/L	0.000240 U	0.000310 J	0.000400 J	0.00120 U	0.00120 U	0.000240 U	0.000348 J	0.000490 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Arsenic	mg/L	0.000534 J	0.00216	0.00595	0.00123 U	0.00123 U	0.000346 J	0.00283	0.000618 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Barium	mg/L	0.0185	0.0436	0.103	0.0128 J	0.0176 J	0.0114	0.0480	0.0142	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Beryllium	mg/L	0.00261 U	0.000383 J	0.000921 J	0.000654 U	0.000654 U	0.000149 J	0.000408 J	0.000229 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cadmium	mg/L	0.000147 U	0.000147 U	0.000189 J	0.000734 U	0.000734 U	0.000147 U	0.000147 U	0.000147 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chromium	mg/L	0.00743	0.0152	0.0320	0.00403 J	0.00262 U	0.00313 J	0.0135	0.00272 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cobalt	mg/L	0.00506	0.00465	0.00828	0.00346 J	0.00351 J	0.00277	0.00376	0.00358	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoride	mg/L	0.0360 U	0.207	0.334	0.337 JH	0.174 J	0.274 JH	0.0960 U	0.131 JH	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lead	mg/L	0.000571 J	0.00419	0.0117	0.000758 U	0.000758 U	0.000479 J	0.00482	0.000968 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lithium	mg/L	0.0329	0.0601	0.00238 U	0.0600	0.0639	0.0694	0.0935	0.0781	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Mercury	mg/L	0.0000263 U	0.0000320 JX	0.0000263 U	0.0000263 U	0.0000300 J	0.0000263 U	0.0000263 U	0.0000263 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Molybdenum	mg/L	0.00105 J	0.00245	0.00372	0.00128 U	0.00128 U	0.000255 U	0.00115 J	0.000271 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Selenium	mg/L	0.0147	0.0144	0.0174	0.0121	0.0123	0.00990	0.0136	0.0118	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Thallium	mg/L	0.000332 U	0.000332 U	0.000460 J	0.00166 U	0.00166 U	0.000332 U	0.000332 U	0.000332 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226	pCi/L	4.78 ± 0.890	4.29 ± 0.612	7.63 ± 0.795	3.29 ± 0.485	4.24 ± 0.671	4.34 ± 0.607	3.65 ± 0.553	5.07 ± 0.718	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-228	pCi/L	1.92 ± 1.19	4.59 ± 1.34	2.27 ± 1.19	1.42 ± 0.908	2.84 ± 1.15	1.83 ± 0.868	1.86 ± 0.827	1.66 ± 0.847	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226/228 Combined	pCi/L	6.7 ± 2.08	8.88 ± 1.952	9.9 ± 1.985	4.71 ± 1.393	7.08 ± 1.821	6.17 ± 1.475	5.51 ± 1.38	6.73 ± 1.565	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

NOTES:
mg/L: Milligrams per Liter.
SU: Standard Units.
pCi/L: Picocuries per Liter.
-- : Laboratory did not analyze sample for indicated constituent.
R: Resample event.
D: Sample diluted due to targets detected over highest point of calibration curve or due to matrix interference.
F: Relative percent difference exceeded laboratory control limits.
H: Bias in sample result likely to be high.
J: Analyte detected above method (sample) detection limit but below method quantitation limit.
K: Sample analyzed outside of recommended hold time.
L: Bias in sample result likely to be low.
NR: Analysis of this constituent not required for detection monitoring.
(1) Sample not collected due to insufficent water in well.
U: Analyte not detected at laboratory reporting limit (Sample Detection Limit).
X: Matrix Spike/Matrix Spike Duplicate recoveries were found to be outside of the laboratory control limits.

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
Fly Ash Landfill

		JKS-57 Upgradient																				
Sample Date		**12/7/16**	**2/22/17**	**3/28/17**	**5/2/17**	**6/20/17**	**7/25/17**	**8/29/17**	**10/10/17**	**4/4/18**	**10/30/18**	**4/10/19**	**10/23/19**	**4/28/20**	**10/20/20**	**4/13/21**	**10/20/21**	**4/13/22**	**10/26/22**	**--**	**--**	**04/10/24**	**10/09/24**
Task		**Event 1**	**Event 2**	**Event 3**	**Event 4**	**Event 5**	**Event 6**	**Event 7**	**Event 8**	**Event 9**	**Event 10**	**Event 11**	**Event 12**	**Event 13**	**Event 14**	**Event 15**	**Event 16**	**Event 17**	**Event 18**	**Event 19**	**Event 20**	**Event 21**	**Event 22**
Constituents	**Unit**	**Dec 2016**	**Feb 2017**	**Mar 2017**	**May 2017**	**Jun 2017**	**Jul 2017**	**Aug 2017**	**Oct 2017**	**Apr 2018**	**Oct 2018**	**Apr 2019**	**Oct 2019**	**Apr 2020**	**Oct 2020**	**Apr 2021**	**Oct 2021**	**Apr 2022**	**Oct 2022**	**Apr 2023**	**Oct 2023**	**Apr 2024**	**Oct 2024**
Appendix III - Detection Monitoring																							
Boron	mg/L	3.19	3.24	3.17	2.67	3.09	3.08	2.98	3.48	4.49	2.81	3.23	4.14	5.97	3.82	3.74	4.99	4.79	3.46	(1)	(1)	3.99	3.34
Calcium	mg/L	349	362	413	--	290	327	337	393	409	401 D	477 D	479 D	622 J	592	742	742	726	968	(1)	(1)	855	866
Chloride	mg/L	70.6	76.2	89.6	130	158	311 D	12.5 JH	185	534 D	3770	119	841	3460	3150	4360	4940	4980	6360	(1)	(1)	48.9	5080
Fluoride	mg/L	3.62	3.32	2.84	2.27	3.42	3.43	0.0960 U	3.28	4.29	2.31	3.03	2.72	4.17	2.99	4.28	0.018 U	0.018 U	3.56	(1)	(1)	1.62	2.97
Sulfate	mg/L	2780 D	1980 DX	2090	2470 D	3080	3410 D	450 JH	3610	4260 D	5000	3570	4240	6510	3890	3740	5380	5290	3750	(1)	(1)	3710	3260
pH - Field Collected	SU	6.73	6.08	5.13	6.63	6.37	6.72	6.60	6.70	6.63	6.35	6.20	6.19	6.49	6.33	6.38	6.68	6.76	6.58	6.58	(1)	NS	6.17
Total dissolved solids	mg/L	4770	3780	3320	4060	5800	5920	850 JH	5850	7390	9750	6000	6700	15100	12200	13300	16000	17200	16600	(1)	(1)	14600	15600
Appendix IV - Assessment Monitoring																							
Antimony	mg/L	0.00120 U	0.000240 U	0.000240 U	0.000240 U	0.00120 U	0.000240 U	0.000240 U	0.000240 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Arsenic	mg/L	0.00138 J	0.000630 J	0.000654 J	0.000561 J	0.00123 U	0.000480 J	0.000519 J	0.000486 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Barium	mg/L	0.0311	0.0211	0.0208	0.0174	0.0164 J	0.0149	0.0128	0.0145	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Beryllium	mg/L	0.000654 U	0.000131 U	0.000161 J	0.000131 U	0.000654 U	0.000131 U	0.000131 U	0.000131 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cadmium	mg/L	0.000734 U	0.000147 U	0.000147 U	0.000147 U	0.000734 U	0.000147 U	0.000147 U	0.000147 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chromium	mg/L	0.00262 U	0.000687 J	0.000525 U	0.000525 U	0.00262 U	0.000739 J	0.000816 J	0.00104 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cobalt	mg/L	0.000520 J	0.00232	0.000297 J	0.000449 J	0.000407 J	0.000748 J	0.000195 J	0.000322 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoride	mg/L	3.62	3.32	2.84	2.27	3.42	3.43	0.0960 U	3.28	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lead	mg/L	0.000758 U	0.000152 U	0.000152 U	0.000152 U	0.000758 U	0.000152 U	0.000256 J	0.000152 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lithium	mg/L	0.545	0.287 X	0.00238 U	--	0.533	0.649	0.671	0.733	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Mercury	mg/L	0.0000263 U	0.0000300 J	0.0000263 U	0.0000580 J	0.0000263 U	0.0000263 U	0.0000263 U	0.0000263 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Molybdenum	mg/L	0.00128 U	0.000385 J	0.000278 J	0.000255 U	0.00128 U	0.000329 J	0.000283 J	0.000255 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Selenium	mg/L	0.00237 J	0.000664 J	0.000594 J	0.000561 J	0.00227 U	0.000612 J	0.000858 J	0.000697 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Thallium	mg/L	0.00166 U	0.000332 U	0.000332 U	0.000332 U	0.00166 U	0.000332 U	0.000332 U	0.000332 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226	pCi/L	0.592 ± 0.325	0.322 ± 0.157	0.519 ± 0.219	0.356 ± 0.176	0.273 ± 0.273	0.338 ± 0.221	0.255 ± 0.176	0.0986 ± 0.153	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-228	pCi/L	1.15 ± 0.895	2.31 ± 1.03	0.794 ± 0.818	2.86 ± 1.27	0.903 ± 0.843	0.786 ± 0.900	1.9 ± 0.894	1.73 ± 1.00	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226/228 Combined	pCi/L	1.742 ± 1.22	2.632 ± 1.187	1.313 ± 1.037	3.216 ± 1.446	1.176 ± 1.116	1.124 ± 1.121	2.155 ± 1.07	1.8286 ± 1.153	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

NOTES:
mg/L: Milligrams per Liter.
SU: Standard Units.
pCi/L: Picocuries per Liter.
-- : Laboratory did not analyze sample for indicated constituent.
R: Resample event.
D: Sample diluted due to targets detected over highest point of calibration curve or due to matrix interference.
F: Relative percent difference exceeded laboratory control limits.
H: Bias in sample result likely to be high.
J: Analyte detected above method (sample) detection limit but below method quantitation limit.
K: Sample analyzed outside of recommended hold time.
L: Bias in sample result likely to be low.
NR: Analysis of this constituent not required for detection monitoring.
(1) Sample not collected due to insufficent water in well.
U: Analyte not detected at laboratory reporting limit (Sample Detection Limit).
X: Matrix Spike/Matrix Spike Duplicate recoveries were found to be outside of the laboratory control limits.

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
Fly Ash Landfill

		JKS-31 Downgradient																				
	Sample Date	**12/8/16**	**2/21/17**	**3/29/17**	**5/2/17**	**6/20/17**	**7/25/17**	**8/29/17**	**10/10/17**	**4/4/18**	**10/30/18**	**4/10/19**	**10/22/19**	**4/28/20**	**10/20/20**	**4/14/21**	**10/20/21**	**4/13/22**	**10/25/22**	**04/18/23**	**10/18/23**	**04/10/24**	**10/09/24**
	Task	**Event 1**	**Event 2**	**Event 3**	**Event 4**	**Event 5**	**Event 6**	**Event 7**	**Event 8**	**Event 9**	**Event 10**	**Event 11**	**Event 12**	**Event 13**	**Event 14**	**Event 15**	**Event 16**	**Event 17**	**Event 18**	**Event 19**	**Event 20**	**Event 21**	**Event 22**
Constituents	**Unit**	**Dec 2016**	**Feb 2017**	**Mar 2017**	**May 2017**	**Jun 2017**	**Jul 2017**	**Aug 2017**	**Oct 2017**	**Apr 2018**	**Oct 2018**	**Apr 2019**	**Oct 2019**	**Apr 2020**	**Oct 2020**	**Apr 2021**	**Oct 2021**	**Apr 2022**	**Oct 2022**	**Apr 2023**	**Oct 2023**	**Apr 2024**	**Oct 2024**
Appendix III - Detection Monitoring																						
Boron	mg/L	0.446	0.580	0.642	0.499	0.573	0.510	0.494	0.553	0.485	0.514	0.557	0.483	0.429	0.379	0.511	0.435	0.460	0.424	0.442	0.429	0.408	0.361
Calcium	mg/L	188	384 X	317	--	216	171	230	228	187	208 D	295 D	200 D	171 J	216	286	330	339	163	205	272	231	196
Chloride	mg/L	223 D	477 D	303 D	317	285 D	0.280 UDXF	0.347 U	288	253 D	256	322	267	272	319	411	467	525	270	389	428	367	301
Fluoride	mg/L	0.801	0.186 J	0.548	0.865	0.661	0.979 JHXF	0.0960 U	0.735 JH	0.839	0.694	0.791 U	0.784	1.00	0.786	0.742	0.018 U	0.018 U	0.894	0.706	0.018 U	0.715	0.763
Sulfate	mg/L	697 D	1130 D	768 D	875	782 D	1.17 JHDXF	0.160 JH	803	771 D	774	852	819	877	914	1060	1150	1400	887	1070	1070	995	920
pH - Field Collected	SU	3.94	4.04	6.34	4.29	3.84	5.14	3.99	3.98	3.74	3.07	3.56	2.62	3.70	3.68	3.96	3.92	4.04	4.08	4.71	3.65	4.5	3.99
Total dissolved solids	mg/L	1470	2290	2430	1850	1730	1500	25.0 U	1890	1420	1390	1660	1620	1890	1700	2380	2440	3170	1680	2120	2300	1940	1880
Appendix IV - Assessment Monitoring																							
Antimony	mg/L	0.00120 U	0.000240 U	0.000295 J	0.000301 J	0.00120 U	0.000527 J	0.000240 U	0.000559 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Arsenic	mg/L	0.00151 J	0.0110	0.00834	0.00501	0.00363 J	0.00134 J	0.00556	0.00279	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Barium	mg/L	0.0167 J	0.0141	0.0198	0.0136	0.0127 J	0.0229	0.0129	0.0122	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Beryllium	mg/L	0.00793 J	0.00851	0.00885	0.00814	0.00865 J	0.00593	0.00827	0.00857	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cadmium	mg/L	0.000734 U	0.000147 U	0.000147 U	0.000147 U	0.000734 U	0.000147 U	0.000147 U	0.000147 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chromium	mg/L	0.0200 J	0.000663 J	0.000596 J	0.000525 U	0.00262 U	0.000890 J	0.000849 J	0.000760 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cobalt	mg/L	0.000440 J	0.0399	0.0623	0.0227	0.0173	0.0113	0.0302	0.0192	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoride	mg/L	0.801	0.186 J	0.548	0.865	0.661	0.979 JHXF	0.0960 U	0.735 JH	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lead	mg/L	0.000758 U	0.000415 J	0.000223 J	0.000344 J	0.000758 U	0.000348 J	0.00233	0.000580 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lithium	mg/L	0.533	0.510	0.00238 U	--	0.572	0.484	0.615	0.590	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Mercury	mg/L	0.0000263 U	0.0000263 U	0.0000263 U	0.0000360 J	0.0000263 U	0.0000263 U	0.0000263 U	0.0000263 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Molybdenum	mg/L	0.00128 U	0.000255 U	0.000255 U	0.000255 U	0.00128 U	0.000255 U	0.000255 U	0.000255 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Selenium	mg/L	0.00227 U	0.00163 J	0.00175 J	0.00125 J	0.00227 U	0.00162 J	0.00177 J	0.00155 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Thallium	mg/L	0.00166 U	0.000332 U	0.000332 U	0.000332 U	0.00166 U	0.000332 U	0.000332 U	0.000332 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226	pCi/L	2.46 ± 0.574	2.60 ± 0.473	1.44 ± 0.425	1.40 ± 0.338	1.40 ± 0.403	1.28 ± 0.341	1.36 ± 0.399	1.01 ± 0.323	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-228	pCi/L	7.35 ± 1.59	8.16 ± 2.15	5.33 ± 1.47	5.85 ± 1.79	4.63 ± 1.23	4.44 ± 1.37	3.58 ± 1.22	4.96 ± 1.43	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226/228 Combined	pCi/L	9.81 ± 2.164	10.76 ± 2.623	6.77 ± 1.895	7.25 ± 2.128	6.03 ± 1.633	5.72 ± 1.711	4.94 ± 1.619	5.97 ± 1.753	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

NOTES:
mg/L: Milligrams per Liter.
SU: Standard Units.
pCi/L: Picocuries per Liter.
-- : Laboratory did not analyze sample for indicated constituent.
R: Resample event.
D: Sample diluted due to targets detected over highest point of calibration curve or due to matrix interference.
F: Relative percent difference exceeded laboratory control limits.
H: Bias in sample result likely to be high.
J: Analyte detected above method (sample) detection limit but below method quantitation limit.
K: Sample analyzed outside of recommended hold time.
L: Bias in sample result likely to be low.
NR: Analysis of this constituent not required for detection monitoring.
(1) Sample not collected due to insufficent water in well.
U: Analyte not detected at laboratory reporting limit (Sample Detection Limit).
X: Matrix Spike/Matrix Spike Duplicate recoveries were found to be outside of the laboratory control limits.

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
Fly Ash Landfill

		JKS-33 Downgradient																					
Sample Date		**12/7/16**	**2/22/17**	**3/28/17**	**5/2/17**	**6/20/17**	**7/26/17**	**8/29/17**	**10/10/17**	**4/5/18**	**10/30/18**	**4/10/19**	**10/22/19**	**4/28/20**	**10/20/20**	**4/13/21**	**8/25/21**	**10/20/21**	**4/13/22**	**10/25/22**	**04/19/23**	**10/17/23**	**04/09/24**	**10/09/24**
Task		**Event 1**	**Event 2**	**Event 3**	**Event 4**	**Event 5**	**Event 6**	**Event 7**	**Event 8**	**Event 9**	**Event 10**	**Event 11**	**Event 12**	**Event 13**	**Event 14**	**Event 15**	**Event 15R**	**Event 16**	**Event 17**	**Event 18**	**Event 19**	**Event 20**	**Event 21**	**Event 22**
Constituents	**Unit**	**Dec 2016**	**Feb 2017**	**Mar 2017**	**May 2017**	**Jun 2017**	**Jul 2017**	**Aug 2017**	**Oct 2017**	**Apr 2018**	**Oct 2018**	**Apr 2019**	**Oct 2019**	**Apr 2020**	**Oct 2020**	**Apr 2021**	**Aug 2021**	**Oct 2021**	**Apr 2022**	**Oct 2022**	**Apr 2023**	**Oct 2023**	**Apr 2024**	**Oct 2024**
Appendix III - Detection Monitoring																								
Boron	mg/L	0.940	1.02	1.05	0.987	1.09	1.01	1.03	1.11	0.990	0.791	1.13	1.18	1.18	1.09	1.09	--	1.06	1.02	1.11	0.988	1.06	1.14	1.11
Calcium	mg/L	564	600	553	--	563	558	567	531	552	385 D	631	553 D	573 J	493	516	--	504	499	434	376	420	427	502
Chloride	mg/L	735 D	679 D	731 D	690	692 D	693 D	125 JH	666	786	758	806	773 JLKD	756	751	1560	736	693	731	683	732	657	626	639
Fluoride	mg/L	1.86	1.08	1.77	1.36	1.81	1.34	0.480 U	1.69	1.85	1.21	1.23	1.24 JLK	1.68	0.864	0.988	--	0.018 U	0.018 U	1.26	1.05	0.018 U	1.01	1.09
Sulfate	mg/L	1850 D	1670 D	1780 D	1710	1690 D	1710 D	3170 D	1640	1810	1740	1640	1690 JLKD	1620	1650	3270	--	1450	1560	1520	1550	1340	1280	1400
pH - Field Collected	SU	6.51	5.90	4.91	6.52	6.15	5.71	6.49	6.49	6.33	6.26	5.98	5.18	6.30	6.23	6.27	6.31	6.33	6.55	6.41	5.75	7.54	6.16	6.29
Total dissolved solids	mg/L	4000	3990	4310	4410	3750	4070	3580	4320	3970	3320	2650 JLK	4040 JLK	4370	4060	4080	--	3590	3960	3940	3680	3220	3200	3880
Appendix IV - Assessment Monitoring																								
Antimony	mg/L	0.00120 U	0.000240 U	0.00120 U	0.000240 U	0.00120 U	0.000240 U	0.000240 U	0.000240 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Arsenic	mg/L	0.00123 U	0.000246 U	0.00123 U	0.000257 J	0.00123 U	0.000279 J	0.000316 J	0.000246 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Barium	mg/L	0.0326	0.0318	0.0297	0.0268	0.0279	0.0274	0.0263	0.0264	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Beryllium	mg/L	0.000654 U	0.000131 U	0.000709 J	0.000131 U	0.000654 U	0.000131 U	0.000131 U	0.000131 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cadmium	mg/L	0.000734 U	0.000147 U	0.000734 U	0.000147 U	0.000734 U	0.000147 U	0.000147 U	0.000147 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chromium	mg/L	0.00262 U	0.000611 J	0.00262 U	0.000525 U	0.00262 U	0.000525 U	0.00113 J	0.00108 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cobalt	mg/L	0.000690 J	0.000433 J	0.000487 J	0.000435 J	0.000512 J	0.000731 J	0.000902 J	0.000554 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoride	mg/L	1.86	1.08	1.77	1.36	1.81	1.34	0.480 U	1.69	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lead	mg/L	0.000758 U	0.000152 U	0.000758 U	0.000152 U	0.000758 U	0.000152 U	0.000157 J	0.000152 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lithium	mg/L	0.000476 U	0.000476 U	0.00238 U	--	0.194	0.181	0.255	0.176	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Mercury	mg/L	0.0000263 U	0.0000263 U	0.0000263 U	0.0000720 J	0.0000263 U	0.0000263 U	0.0000263 U	0.0000263 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Molybdenum	mg/L	0.00128 U	0.000255 U	0.00128 U	0.000255 U	0.00128 U	0.000255 U	0.000255 U	0.000255 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Selenium	mg/L	0.0314	0.0356	0.0389	0.0368	0.0451	0.0495	0.0546	0.0342	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Thallium	mg/L	0.00166 U	0.000332 U	0.00166 U	0.000332 U	0.00166 U	0.000332 U	0.000332 U	0.000332 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226	pCi/L	2.04 ± 0.439	1.14 ± 0.328	2.36 ± 0.522	1.81 ± 0.365	1.73 ± 0.428	1.55 ± 0.422	1.37 ± 0.394	2.23 ± 0.491	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-228	pCi/L	2.95 ± 1.16	3.52 ± 1.07	4.69 ± 1.33	3.24 ± 1.26	1.73 ± 0.902	4.11 ± 1.19	1.98 ± 1.01	2.99 ± 1.26	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226/228 Combined	pCi/L	4.99 ± 1.599	4.66 ± 1.398	7.05 ± 1.852	5.05 ± 1.625	3.46 ± 1.33	5.66 ± 1.612	3.35 ± 1.404	5.22 ± 1.751	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

NOTES:
mg/L: Milligrams per Liter.
SU: Standard Units.
pCi/L: Picocuries per Liter.
-- : Laboratory did not analyze sample for indicated constituent.
R: Resample event.
D: Sample diluted due to targets detected over highest point of calibration curve or due to matrix interference.
F: Relative percent difference exceeded laboratory control limits.
H: Bias in sample result likely to be high.
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L: Bias in sample result likely to be low.
NR: Analysis of this constituent not required for detection monitoring.
(1) Sample not collected due to insufficent water in well.
U: Analyte not detected at laboratory reporting limit (Sample Detection Limit).
X: Matrix Spike/Matrix Spike Duplicate recoveries were found to be outside of the laboratory control limits.

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
Fly Ash Landfill

		JKS-46 Downgradient																				
Sample Date		**12/6/16**	**2/22/17**	**3/28/17**	**5/3/17**	**6/20/17**	**7/25/17**	**8/29/17**	**10/10/17**	**4/4/18**	**10/30/18**	**4/10/19**	**10/23/19**	**4/28/20**	**10/20/20**	**4/13/21**	**10/20/21**	**4/13/22**	**10/25/22**	**04/18/23**	**10/17/23**	**04/09/24**	**10/09/24**
Task		**Event 1**	**Event 2**	**Event 3**	**Event 4**	**Event 5**	**Event 6**	**Event 7**	**Event 8**	**Event 9**	**Event 10**	**Event 11**	**Event 12**	**Event 13**	**Event 14**	**Event 15**	**Event 16**	**Event 17**	**Event 18**	**Event 19**	**Event 20**	**Event 21**	**Event 22**
Constituents	**Unit**	**Dec 2016**	**Feb 2017**	**Mar 2017**	**May 2017**	**Jun 2017**	**Jul 2017**	**Aug 2017**	**Oct 2017**	**Apr 2018**	**Oct 2018**	**Apr 2019**	**Oct 2019**	**Apr 2020**	**Oct 2020**	**Apr 2021**	**Oct 2021**	**Apr 2022**	**Oct 2022**	**Apr 2023**	**Oct 2023**	**Apr 2024**	**Oct 2024**
Appendix III - Detection Monitoring																							
Boron	mg/L	0.902	0.837	0.645	0.799	0.920	0.801	0.788	1.01	0.828	0.702	0.997	1.01	0.864	0.530	0.431	0.797	0.736	0.464	0.425	0.439	0.316	0.484
Calcium	mg/L	120	132	145	115	126	117	137	145	140	126 D	212 D	172 D	143 J	107	90.3	207	181	97.3	91.4	105	94.2	104
Chloride	mg/L	11.6	11.8	12.2	10.5	12.6	11.8	327 JHD	11.7	11.6	11.6	13.2	13.0	17.9	23.4	35.5	14.9	14.8	42.2	46.2	44.4	84.6	26.4
Fluoride	mg/L	1.51	1.38	1.03	1.59	2.25	2.34	0.460 JH	1.83	2.16	1.68	2.52	2.22	1.61 J	0.764	1.07	0.018 UJ	2.55	1.63	1.07	1.22	0.937	1050
Sulfate	mg/L	700 D	692 D	608 D	677	0.0460 U	780 D	288 JHD	800	864 D	855	1030	1020	1180	734	658	1180	1370	787	766	634	491	796
pH - Field Collected	SU	3.60	3.55	2.10	3.57	2.96	3.54	3.21	3.20	3.15	3.00	2.85	2.62	3.10	3.01	3.42	3.41	3.45	3.55	3.88	3.34	3.64	3.42
Total dissolved solids	mg/L	1160	1040	926	1030	1270	1180	1170 JH	1390	1300	1220	1550	1500	1970	1160	1130	1760	1870	1150	1120	1070	1070	1220
Appendix IV - Assessment Monitoring																							
Antimony	mg/L	0.000240 U	0.000240 U	0.000240 U	0.00120 U	0.00120 U	0.000240 U	0.000240 U	0.000240 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Arsenic	mg/L	0.00190 J	0.00227	0.00144 J	0.00196 J	0.00277 J	0.00253	0.00295	0.00290	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Barium	mg/L	0.0429	0.0356	0.0308	0.0307	0.0364	0.0317	0.0323	0.0331	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Beryllium	mg/L	0.00381 J	0.00362	0.00340	0.00399 J	0.00459 J	0.00415	0.00462	0.00479	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cadmium	mg/L	0.00110 J	0.000988 J	0.00121 J	0.00120 J	0.00101 J	0.00133 J	0.00141 J	0.00136 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chromium	mg/L	0.000942 J	0.00140 J	0.00104 J	0.00262 U	0.00262 U	0.00156 J	0.00191 J	0.00202 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cobalt	mg/L	0.0303	0.0324	0.0329	0.0367	0.0387	0.0383	0.0412	0.0414	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoride	mg/L	1.51	1.38	1.03	1.59	2.25	2.34	0.460 JH	1.83	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lead	mg/L	0.0162	0.0134	0.0109	0.0144	0.0192	0.0201	0.0236	0.0257	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lithium	mg/L	0.0646	0.000476 U	0.00238 U	0.0673	0.0749	0.0799	0.107	0.0863	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Mercury	mg/L	0.0000263 U	0.0000263 U	0.0000263 U	0.0000263 U	0.0000263 U	0.0000263 U	0.0000263 U	0.0000263 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Molybdenum	mg/L	0.000255 U	0.000255 U	0.000255 U	0.00128 U	0.00128 U	0.000255 U	0.000255 U	0.000255 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Selenium	mg/L	0.0255	0.0266	0.0205	0.0247	0.0296	0.0257	0.0298	0.0283	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Thallium	mg/L	0.00293	0.00292	0.00235	0.00263 J	0.00314 J	0.00300	0.00335	0.00345	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226	pCi/L	3.16 ± 0.701	1.69 ± 0.387	1.80 ± 0.448	1.20± 0.315	1.82 ± 0.420	1.40 ± 0.353	1.52 ± 0.375	1.99 ± 0.459	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-228	pCi/L	4.98 ± 1.41	2.17 ± 1.48	2.96 ± 1.24	1.98 ± 0.957	4.39 ± 1.13	2.80 ± 1.05	2.28 ± 1.13	3.82 ± 1.15	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226/228 Combined	pCi/L	8.14 ± 2.111	3.86 ± 1.867	4.76 ± 1.688	3.18 ± 1.272	6.21 ± 1.55	4.2 ± 1.403	3.8 ± 1.505	5.81 ± 1.609	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

NOTES:
mg/L: Milligrams per Liter.
SU: Standard Units.
pCi/L: Picocuries per Liter.
-- : Laboratory did not analyze sample for indicated constituent.
R: Resample event.
D: Sample diluted due to targets detected over highest point of calibration curve or due to matrix interference.
F: Relative percent difference exceeded laboratory control limits.
H: Bias in sample result likely to be high.
J: Analyte detected above method (sample) detection limit but below method quantitation limit.
K: Sample analyzed outside of recommended hold time.
L: Bias in sample result likely to be low.
NR: Analysis of this constituent not required for detection monitoring.
(1) Sample not collected due to insufficent water in well.
U: Analyte not detected at laboratory reporting limit (Sample Detection Limit).
X: Matrix Spike/Matrix Spike Duplicate recoveries were found to be outside of the laboratory control limits.

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
Fly Ash Landfill

		JKS-60 Downgradient																					
Sample Date		**12/7/16**	**2/22/17**	**3/28/17**	**5/2/17**	**6/20/17**	**7/25/17**	**8/29/17**	**10/10/17**	**4/4/18**	**10/30/18**	**4/10/19**	**10/23/19**	**4/28/20**	**10/20/20**	**4/13/21**	**10/20/21**	**4/13/22**	**10/25/22**	**04/19/23**	**10/17/23**	**04/09/24**	**10/09/24**
Task		**Event 1**	**Event 2**	**Event 3**	**Event 4**	**Event 5**	**Event 6**	**Event 7**	**Event 8**	**Event 9**	**Event 10**	**Event 11**	**Event 12**	**Event 13**	**Event 14**	**Event 15**	**Event 16**	**Event 17**	**Event 18**	**Event 19**	**Event 20**	**Event 21**	**Event 22**
Constituents	**Unit**	**Dec 2016**	**Feb 2017**	**Mar 2017**	**May 2017**	**Jun 2017**	**Jul 2017**	**Aug 2017**	**Oct 2017**	**Apr 2018**	**Oct 2018**	**Apr 2019**	**Oct 2019**	**Apr 2020**	**Oct 2020**	**Apr 2021**	**Oct 2021**	**Apr 2022**	**Oct 2022**	**Apr 2023**	**Oct 2023**	**Apr 2024**	**Oct 2024**
Appendix III - Detection Monitoring																							
Boron	mg/L	0.655	0.504	0.449	0.456	0.442	0.394	0.436	0.479	0.399	0.334	0.405	0.377	0.325	0.433	0.533	0.579	0.573	0.612	0.579	0.756	0.779	0.742
Calcium	mg/L	433	375	290	--	379	336	350	383	363	382 D	501 D	524 D	530 J	380	432	473	438	362	358	418	475	434
Chloride	mg/L	411 D	311 D	311 D	285	300 D	319 D	287 JHD	352	366 D	202	149 X	183	168	235	281	278	324	278	287	290	311	290
Fluoride	mg/L	0.0360 U	0.319	0.324	0.421	0.306	0.338 JH	0.0960 U	0.284 JH	0.22 J	0.239 J	0.187 UJ	0.231 J	0.188	0.018 U	0.290	0.018 U	0.018 U	0.371	0.218	0.163	0.281	0.243
Sulfate	mg/L	1480 D	999 D	1010 D	976 X	1020 D	818 D	760 JHDX	759	801 D	906	968	1320	1280	963	1080	1130	1200	1220	1220	1290	1390	1290
pH - Field Collected	SU	5.82	5.38	4.21	5.75	6.07	6.44	5.93	5.97	6.09	6.42	5.93	6.23	6.61	6.16	6.21	6.20	6.36	6.19	5.77	6.92	6.3	5.96
Total dissolved solids	mg/L	2790	2340	2020	2110	2510	2120	1450 JH	2300	1860	1910	2010	2820	3180	2520	2450	2530	2680	2700	2310	2680	2820	2670
Appendix IV - Assessment Monitoring																							
Antimony	mg/L	0.00120 U	0.000240 U	0.000240 U	0.000240 U	0.00120 U	0.000240 U	0.000240 U	0.000240 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Arsenic	mg/L	0.00123 U	0.000861 J	0.000592 J	0.000366 J	0.00123 U	0.000367 J	0.000381 J	0.000266 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Barium	mg/L	0.0702	0.0491	0.0465	0.0450	0.0469	0.0454	0.0490	0.0503	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Beryllium	mg/L	0.000654 U	0.000131 U	0.000131 U	0.000131 U	0.000654 U	0.000131 U	0.000131 U	0.000131 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cadmium	mg/L	0.000774 J	0.000778 J	0.000786 J	0.000695 J	0.000734 U	0.000359 J	0.000608 J	0.000699 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chromium	mg/L	0.00262 U	0.000743 J	0.000525 U	0.000525 U	0.00262 U	0.000690 J	0.00204 J	0.00100 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cobalt	mg/L	0.115	0.0542	0.0423	0.0389	0.0210	0.00896	0.0166	0.0183	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoride	mg/L	0.0360 U	0.319	0.324	0.421	0.306	0.338 JH	0.0960 U	0.284 JH	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lead	mg/L	0.000758 U	0.000152 U	0.000152 U	0.000152 U	0.000758 U	0.000152 U	0.000152 U	0.000216 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lithium	mg/L	0.000476 U	0.000476 U	0.00238 U	--	0.0305	0.0179 J	0.0635	0.0314	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Mercury	mg/L	0.0000263 U	0.0000263 U	0.0000263 U	0.0000370 J	0.0000263 U	0.0000263 U	0.0000263 U	0.0000263 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Molybdenum	mg/L	0.00128 U	0.000726 J	0.000622 J	0.000715 J	0.00148 J	0.00162 J	0.00124 J	0.00103 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Selenium	mg/L	0.00227 U	0.00168 J	0.00132 J	0.00981	0.0390	0.0244	0.00761	0.00745	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Thallium	mg/L	0.00166 U	0.000425 J	0.000412 J	0.000403 J	0.00166 U	0.000332 U	0.000372 J	0.000387 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226	pCi/L	3.01 ± 0.578	2.29 ± 0.421	2.74 ± 0.572	1.71 ± 0.378	0.914 ± 0.341	1.57 ± 0.381	1.34 ± 0.378	4.61 ± 0.650	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-228	pCi/L	2.57 ± 1.15	2.62 ± 1.04	0.838 ± 0.826	0.269 ± 0.713	2.24 ± 1.02	0.701 ± 0.850	1.72 ± 0.940	2.48 ± 1.60	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226/228 Combined	pCi/L	5.58 ± 1.728	4.91 ± 1.461	3.578 ± 1.398	1.979 ± 1.091	3.154 ± 1.361	2.271 ± 1.231	3.06 ± 1.318	7.09 ± 2.25	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

NOTES:
mg/L: Milligrams per Liter.
SU: Standard Units.
pCi/L: Picocuries per Liter.
-- : Laboratory did not analyze sample for indicated constituent.
R: Resample event.
D: Sample diluted due to targets detected over highest point of calibration curve or due to matrix interference.
F: Relative percent difference exceeded laboratory control limits.
H: Bias in sample result likely to be high.
J: Analyte detected above method (sample) detection limit but below method quantitation limit.
K: Sample analyzed outside of recommended hold time.
L: Bias in sample result likely to be low.
NR: Analysis of this constituent not required for detection monitoring.
(1) Sample not collected due to insufficent water in well.
U: Analyte not detected at laboratory reporting limit (Sample Detection Limit).
X: Matrix Spike/Matrix Spike Duplicate recoveries were found to be outside of the laboratory control limits.

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
Fly Ash Landfill

		JKS-71 Downgradient				
Sample Date		**02/14/24**	**04/10/24**	**08/21/24**	**10/09/24**	**02/12/25**
Task		**Event 1**	**Event 2**	**Event 3**	**Event 4**	**Event 5**
Constituents	**Unit**	**Feb 2024**	**Apr 2024**	**Aug 2024**	**Oct 2024**	**Feb 2025**
Appendix III - Detection Monitoring						
Boron	mg/L	0.730	0.977	0.653	0.781	0.893
Calcium	mg/L	610	499	392	568	458
Chloride	mg/L	345	347	339	330	344
Fluoride	mg/L	2.73	2.49	2.62	2.80	2.65
Sulfate	mg/L	2190	2100	2060	1960	2110
pH - Field Collected	SU	4.46	5.19	5.43	4.64	4.85
Total dissolved solids	mg/L	4340	3540	3120	3490	3600
Appendix IV - Assessment Monitoring						
Antimony	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Arsenic	mg/L	0.006 J	0.004 J	0.011	0.010 J	0.003 J
Barium	mg/L	0.028	0.028	0.025	0.026	0.033
Beryllium	mg/L	0.012	0.009	0.01	0.009	0.008
Cadmium	mg/L	0.031	0.006	0.03	0.015	0.008
Chromium	mg/L	0.072	0.118	0.150	0.005 J	0.003 J
Cobalt	mg/L	0.091	0.418	0.087	0.086	0,092
Fluoride	mg/L	2.73	2.49	2.62	2.80	2.65
Lead	mg/L	0.022	0.006 J	0.012	0.014	0.004 J
Lithium	mg/L	0.66	0.85	0.48 J	0.46 JL	0.53
Mercury	mg/L	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U
Molybdenum	mg/L	0.0008 J	0.0003 U	0.001 J	0.0003 U	0.0003 J
Selenium	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Thallium	mg/L	0.0009 U	0.0009 U	0.0009 U	0.00009 U	0.0009 U
Radium-226	pCi/L	1.89 ± 0.411	1.42 ± 0.389	1.91 ± 0.573 JL	1.21 ± 0.315 J	1.67 ± 0.450
Radium-228	pCi/L	4.9 ± 1.21	7.47 ±1.27	6.87 ± 0.573 JL	6.03 ± 1.50 J	9.21 ± 1.48 G
Radium-226/228 Combined	pCi/L	6.79 ± 1.28	8.89 ± 1.33	8.77 ± 1.67 JL	7.24 ± 1.53 J	10.9 ± 1.76

NOTES:
mg/L: Milligrams per Liter.
SU: Standard Units.
pCi/L: Picocuries per Liter.
-- : Laboratory did not analyze sample for indicated constituent.
R: Resample event.
D: Sample diluted due to targets detected over highest point of calibration curve or due to matrix interference.
F: Relative percent difference exceeded laboratory control limits.
H: Bias in sample result likely to be high.
J: Analyte detected above method (sample) detection limit but below method quantitation limit.
K: Sample analyzed outside of recommended hold time.
L: Bias in sample result likely to be low.
NR: Analysis of this constituent not required for detection monitoring.
(1) Sample not collected due to insufficent water in well.
U: Analyte not detected at laboratory reporting limit (Sample Detection Limit).
X: Matrix Spike/Matrix Spike Duplicate recoveries were found to be outside of the laboratory control limits.

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
Bottom Ash Ponds

	JKS-49 Downgradient																					
Sample Date	**12/7/16**	**2/22/17**	**3/28/17**	**5/3/17**	**6/20/17**	**7/25/17**	**8/29/17**	**10/10/17**	**4/4/18**	**10/30/18**	**4/9/19**	**10/22/19**	**4/28/20**	**10/21/20**	**4/13/21**	**10/19/21**	**4/13/22**	**10/25/22**	**04/18/23**	**10/17/23**	**04/09/24**	**10/09/24**
Task	**Event 1**	**Event 2**	**Event 3**	**Event 4**	**Event 5**	**Event 6**	**Event 7**	**Event 8**	**Event 9**	**Event 10**	**Event 11**	**Event 12**	**Event 13**	**Event 14**	**Event 15**	**Event 16**	**Event 17**	**Event 18**	**Event 19**	**Event 20**	**Event 21**	**Event 22**
Constituents	**Dec 2016**	**Feb 2017**	**Mar 2017**	**May 2017**	**Jun 2017**	**Jul 2017**	**Aug 2017**	**Oct 2017**	**Apr 2018**	**Oct 2018**	**Apr 2019**	**Oct 2019**	**Apr 2020**	**Oct 2020**	**Apr 2021**	**Oct 2021**	**Apr 2022**	**Oct 2022**	**Apr 2023**	**Oct 2023**	**Apr 2024**	**Oct 2024**
Appendix III - Detection Monitoring																						
Boron	3.24	3.28	3.28	3.03 X	3.04 J	2.76	2.85	2.87	2.71	2.70	2.05	2.58	2.47	2.81	2.59	2.50	2.50	2.60	2.24	2.58	2.47	2.77
Calcium	130	146	173	113	127	120	145	147	135	117 D	154 D	127 D	114 J	132	133	119	117	117	106	120	124	120
Chloride	295 D	383 D	372 D	326	414 D	448 D	459 D	424	446 D	408	449	429	452	435	449	437	455	471	404 JH	437	442	420
Fluoride	0.715	0.643 JH	0.665 JH	0.809	0.627 JH	0.617 JH	0.525	0.712	0.697	0.719	0.749	0.793	0.894	0.656	0.729	0.018 U	0.561	0.018 U	0.289	0.753	0.754	0.707
Sulfate	211 D	232 D	234 D	194	218 D	227	265 D	219 X	237	237	240	205	217	193	211	232	228	225	202	226	225	224
pH - Field Collected	7.19	7.12	7.12	7.02	7.06	6.16	7.05	6.89	7.12	7.12	7.31	6.43	7.15	7.14	7.12	7.06	7.26	7.18	7.16	7.17	7.02	6.97
Total dissolved solids	1250	1240	1190	1100	1450	1440	1490	1730	1310	1210	1290	1380	1240	1380	1290	1300	1380	1340	1380	1320	1290	1290
Appendix IV - Assessment Monitoring																						
Antimony	0.00120 U	0.000240 U	0.000240 U	0.00173 J	0.00120 U	0.000240 U	0.000240 U	0.000240 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Arsenic	0.00123 U	0.000676 J	0.000729 J	0.00123 U	0.00123 U	0.000544 J	0.000538 J	0.000478 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Barium	0.0607	0.0575	0.0503	0.0554	0.0783	0.0721	0.0788	0.0735	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Beryllium	0.000654 U	0.000131 U	0.000131 U	0.000654 U	0.000654 U	0.000131 U	0.000131 U	0.000131 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cadmium	0.000734 U	0.000147 U	0.000147 U	0.000734 U	0.000734 U	0.000147 U	0.000147 U	0.000147 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chromium	0.00262 U	0.000859 J	0.000572 J	0.00262 U	0.00262 U	0.000963 J	0.000997 J	0.00113 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cobalt	0.00102 J	0.00109 J	0.00124 J	0.00155 J	0.00133 J	0.00153 J	0.00155 J	0.00146 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoride	0.715	0.643 JH	0.665 JH	0.809	0.627 JH	0.617 JH	0.525	0.712	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lead	0.000758 U	0.000152 U	0.000152 U	0.000758 U	0.000758 U	0.000155 J	0.000152 U	0.000152 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lithium	0.000476 U	0.000476 U	0.00238 U	0.0137 J	0.0341	0.0295	0.0427	0.0252	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Mercury	0.0000263 U	0.0000263 U	0.0000263 U	0.0000690 J	0.0000263 U	0.0000490 J	0.0000263 U	0.0000263 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Molybdenum	0.00779 J	0.00846	0.00875	0.0106	0.00908 J	0.00938	0.0107	0.0111	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Selenium	0.00992 J	0.00597	0.00479	0.00521 J	0.00370 J	0.00235	0.00188 J	0.00141 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Thallium	0.00166 U	0.000332 U	0.000332 U	0.00166 U	0.00166 U	0.000332 U	0.000332 U	0.000332 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226	0.198 ± 0.197	0.615 ± 0.272	0.747 ± 0.323	0.195 ± 0.167	0.294 ± 0.192	0.241 ± 0.193	0.159 ± 0.191	0.746 ± 0.274	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-228	2.1 ± 0.907	-1.37 ± 1.37	0.854 ± 0.724	1.08 ± 1.72	2.23 ± 0.949	0.658 ± 0.636	0.812 ± 0.604	1.43 ± 0.898	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226/228 Combined	2.298 ± 1.104	-0.755 ± 1.642	1.601 ± 1.047	1.275 ± 1.887	2.524 ± 1.141	0.899 ± 0.829	0.971 ± 0.795	2.176 ± 1.172	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

NOTES:
mg/L: Miligrams per Liter
SU: Standard Units
pCi/L: Picocuries per Liter.
-- : Laboratory did not analyze sample for indicated constituent.
R: Resample event.
D: Sample diluted due to targets detected over highest point of calibration curve or due to matrix interference.
H: Bias in sample result likely to be high.
NR: Analysis of this constituent not required for detection monitoring.
(sample) detection limit but below method quantitation limit.
L: Bias in sample result likely to be low.
J: Analyte detected above method (sample) detection limit but below method quantitation limit.
U: Analyte not detected at laboratory reporting limit (Sample Detection Limit).
X: Matrix Spike/Matrix Spike Duplicate recoveries were found to be outside of the laboratory control limits.

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
Bottom Ash Ponds

	JKS-51 Upgradient																					
Sample Date	**12/8/16**	**2/22/17**	**3/28/17**	**5/3/17**	**6/21/17**	**7/25/17**	**8/29/17**	**10/10/17**	**4/4/18**	**10/30/18**	**4/9/19**	**10/22/19**	**4/28/20**	**10/20/20**	**4/13/21**	**10/20/21**	**4/13/22**	**10/25/22**	**04/19/23**	**10/18/23**	**04/09/24**	**10/08/24**
Task	**Event 1**	**Event 2**	**Event 3**	**Event 4**	**Event 5**	**Event 6**	**Event 7**	**Event 8**	**Event 9**	**Event 10**	**Event 11**	**Event 12**	**Event 13**	**Event 14**	**Event 15**	**Event 16**	**Event 17**	**Event 18**	**Event 19**	**Event 20**	**Event 21**	**Event 22**
Constituents	**Dec 2016**	**Feb 2017**	**Mar 2017**	**May 2017**	**Jun 2017**	**Jul 2017**	**Aug 2017**	**Oct 2017**	**Apr 2018**	**Oct 2018**	**Apr 2019**	**Oct 2019**	**Apr 2020**	**Oct 2020**	**Apr 2021**	**Oct 2021**	**Apr 2022**	**Oct 2022**	**Apr 2023**	**Oct 2023**	**Apr 2024**	**Oct 2024**
Appendix III - Detection Monitoring																						
Boron	0.512	0.517	0.473	0.565	0.512	0.525	0.453	0.509	0.465	0.347	0.489	0.648	0.627	0.668	0.579	0.665	0.634	0.711	0.52	0.656 JH	0.638	0.65
Calcium	267	292	322	266	261 X	232	236	256	246	149 D	328	336 D	334 J	298	314	321	362	316	211	236 J	250	234
Chloride	403 D	331 D	414 D	447	424 D	455 D	384 D	375	395 D	301	559	574 D	555	493	522	543	549	620	403 JH	437	489	439
Fluoride	0.247	0.341 JH	0.415 JH	0.534	0.354	0.391	0.0960 U	0.407 JH	0.305 J	0.291 J	0.329 J	0.405 J	0.470	0.018 U	0.292	0.018 U	0.224	0.295	0.283	<0.018	0.28	0.326
Sulfate	293 D	330 D	348 D	359	342 D	330 D	314 D	302	354 D	260	428	405 D	439	376	382	421	445	503	295	310	325	353
pH - Field Collected	6.59	6.51	6.48	6.56	6.40	5.48	6.38	6.20	6.44	6.70	6.66	5.73	6.43	6.47	6.42	6.32	6.54	6.44	6.36	6.39	6.53	6.65
Total dissolved solids	1650	1650	1490	1980	1530	1580	1390	1650	1320	916	1890	2150	2010	1930	2190	2260	2720	2490	1620	1550	1590	1310
Appendix IV - Assessment Monitoring																						
Antimony	0.00120 U	0.000240 U	0.000240 U	0.00120 U	0.000953 J	0.000240 U	0.000240 U	0.000240 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Arsenic	0.00123 U	0.000412 J	0.000390 J	0.00123 U	0.000392 J	0.000344 J	0.000395 J	0.000418 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Barium	0.0655	0.0563	0.0517	0.0512	0.0534	0.0520	0.0520	0.0564	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Beryllium	0.000654 U	0.000131 U	0.000131 U	0.000654 U	0.000212 J	0.000131 U	0.000131 U	0.000131 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cadmium	0.000734 U	0.000147 U	0.000147 U	0.000734 U	0.000147 U	0.000147 U	0.000147 U	0.000147 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chromium	0.00262 U	0.000941 J	0.000525 U	0.00262 U	0.000657 J	0.000874 J	0.00113 J	0.00133 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cobalt	0.000350 U	0.0000770 J	0.0000920 J	0.000350 U	0.000124 J	0.0000940 J	0.0000800 J	0.000108 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoride	0.247	0.341 JH	0.415 JH	0.534	0.354	0.391	0.0960 U	0.407 JH	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lead	0.000758 U	0.000152 U	0.000152 U	0.000758 U	0.000152 U	0.000152 U	0.000152 U	0.000152 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lithium	0.000476 U	0.000476 U	0.00238 U	0.0322	0.0874	0.0790	0.0958 JX	0.0718	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Mercury	0.0000263 U	0.0000263 U	0.0000263 U	0.0000263 U	0.0000263 U	0.000199 J	0.0000263 U	0.0000263 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Molybdenum	0.00128 U	0.000255 U	0.000255 U	`	0.000255 U	0.000255 U	0.000255 U	0.000255 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Selenium	0.00227 U	0.000454 U	0.000454 U	0.00227 U	0.000454 U	0.000454 U	0.000454 U	0.000454 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Thallium	0.00166 U	0.000332 U	0.000332 U	0.00166 U	0.000332 U	0.000332 U	0.000332 U	0.000332 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226	1.09 ± 0.376	0.104 ± 0.122	0.618 ± 0.247	0.197 ± 0.145	0.328 ± 0.195	0.0847 ± 0.186	4.83 ± 0.763	0.682 ± 0.309	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-228	0.312 ± 0.688	1.09 ± 1.37	2.32 ± 1.45	-1.26 ± 1.37	-0.799 ± 0.928	1.57 ± 0.786	0.762 ± 0.706	0.963 ± 0.954	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226/228 Combined	1.402 ± 1.064	1.194 ± 1.492	2.938 ± 1.697	-1.063 ± 1.515	-0.471 ± 1.123	1.6547 ± 0.972	5.592 ± 1.469	1.645 ± 1.263	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

NOTES:
mg/L: Miligrams per Liter
SU: Standard Units
pCi/L: Picocuries per Liter.
-- : Laboratory did not analyze sample for indicated constituent.
R: Resample event.
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J: Analyte detected above method (sample) detection limit but below method quantitation limit.
U: Analyte not detected at laboratory reporting limit (Sample Detection Limit).
X: Matrix Spike/Matrix Spike Duplicate recoveries were found to be outside of the laboratory control limits.

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
Bottom Ash Ponds

	JKS-48 Downgradient																					
Sample Date	**12/7/16**	**2/22/17**	**3/30/17**	**5/2/17**	**6/20/17**	**7/25/17**	**8/29/17**	**10/10/17**	**4/4/18**	**10/30/18**	**4/9/19**	**10/22/19**	**4/28/20**	**10/21/20**	**4/13/21**	**10/20/21**	**4/13/22**	**10/25/22**	**04/19/23**	**10/17/23**	**04/09/24**	**10/09/24**
Task	**Event 1**	**Event 2**	**Event 3**	**Event 4**	**Event 5**	**Event 6**	**Event 7**	**Event 8**	**Event 9**	**Event 10**	**Event 11**	**Event 12**	**Event 13**	**Event 14**	**Event 15**	**Event 16**	**Event 17**	**Event 18**	**Event 19**	**Event 20**	**Event 21**	**Event 22**
Constituents	**Dec 2016**	**Feb 2017**	**Mar 2017**	**May 2017**	**Jun 2017**	**Jul 2017**	**Aug 2017**	**Oct 2017**	**Apr 2018**	**Oct 2018**	**Apr 2019**	**Oct 2019**	**Apr 2020**	**Oct 2020**	**Apr 2021**	**Oct 2021**	**Apr 2022**	**Oct 2022**	**Apr 2023**	**Oct 2023**	**Apr 2024**	**Oct 2024**
Appendix III - Detection Monitoring																						
Boron	2.21	2.14	--	2.08	2.13	2.15 X	2.02	2.23	2.03	2.13	2.22	2.27	2.36	2.36	2.19	2.33	2.23	2.22	1.93	2.00	2.06	1.85
Calcium	130	139	125	--	111	136 X	134	147	143	128 D	166 D	135 D	130 J	142	140	130	124	128	118	139	138	134
Chloride	395 D	408 D	435 D	427	440 D	465 D	166 D	427	433 D	438	467	446	485	446	477	458	481	497	434 JH	467	510	487
Fluoride	1.43	1.21 JH	1.62	1.41 JH	1.07	1.62	0.0960 U	1.22	1.35	1.31	1.46	1.25	0.051 JH	1.05	1.06	0.018 U	0.810	0.821	0.964	1.06	0.99	1.020
Sulfate	239 D	251 D	266 D	259	253 D	244	140 D	257	282 D	266	271	213	206	170	187	224	199	208	182	212	226	228
pH - Field Collected	7.06	6.92	6.86	6.99	6.88	5.92	6.90	6.74	6.91	6.92	7.06	6.12	6.89	6.83	6.8	6.72	6.94	6.8	6.72	6.82	6.75	6.56
Total dissolved solids	1400	1270	1440	1490	1540	1380 J	850	1470	1400	1410	1420	1520	1400	1300	1420	1470	1480	1430	1370	1420	1390	1490
Appendix IV - Assessment Monitoring																						
Antimony	0.00120 U	0.000240 U	--	0.000240 U	0.00120 U	0.00129 J	0.000240 U	0.000240 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Arsenic	0.00123 U	0.000538 J	--	0.000424 J	0.00123 U	0.000452 J	0.000459 J	0.000475 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Barium	0.0717	0.0699	--	0.0659	0.0686	0.0769	0.0725	0.0761	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Beryllium	0.000654 U	0.000131 U	--	0.000131 U	0.000654 U	0.000233 J	0.000131 U	0.000131 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cadmium	0.000734 U	0.000147 U	--	0.000147 U	0.000734 U	0.000147 U	0.000147 U	0.000147 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chromium	0.00262 U	0.000608 J	--	0.000525 U	0.00262 U	0.000525 U	0.000863 J	0.00130 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cobalt	0.00111 J	0.000844 J	--	0.000920 J	0.000987 J	0.00137 J	0.000917 J	0.00106 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoride	1.43	1.21 JH	1.62	1.41	1.07	1.62	0.0960 U	1.22	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lead	0.000758 U	0.000152 U	--	0.000152 U	0.000758 U	0.000152 U	0.000152 U	0.000203 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lithium	0.000476 U	0.000476 U	0.00238 U	--	0.0536	0.0501	0.0700	0.0551	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Mercury	0.0000263 U	0.0000263 U	0.0000263 U	0.0000310 JX	0.0000263 U	0.0000263 UX	0.0000263 U	0.0000263 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Molybdenum	0.00128 U	0.000422 J	--	0.000263 J	0.00128 U	0.000344 J	0.000255 U	0.000255 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Selenium	0.00227 U	0.000454 U	--	0.000454 U	0.00227 U	0.000454 U	0.000454 U	0.000454 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Thallium	0.00166 U	0.000332 U	--	0.000332 U	0.00166 U	0.000332 U	0.000332 U	0.000332 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226	0.139 ± 0.250	0.251 ± 0.149	0.0232 ± 0.136	0.357 ± 0.174	0.46 ± 0.235	0.544 ± 0.259	0.562 ± 0.283	0.26 ± 0.241	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-228	0.847 ± 1.14	0.317 ± 1.15	1.1 ± 0.737	-0.109 ± 1.35	0.284 ± 0.662	0.273 ± 0.867	0.459 ± 0.649	0.772 ± 0.931	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226/228 Combined	0.986 ± 1.39	0.568 ± 1.299	1.1232 ± 0.873	0.248 ± 1.524	0.744 ± 0.897	0.817 ± 1.126	1.021 ± 0.932	1.032 ± 1.172	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

NOTES:
mg/L: Miligrams per Liter
SU: Standard Units
pCi/L: Picocuries per Liter.
-- : Laboratory did not analyze sample for indicated constituent.
R: Resample event.
D: Sample diluted due to targets detected over highest point of calibration curve or due to matrix interference.
H: Bias in sample result likely to be high.
NR: Analysis of this constituent not required for detection monitoring.
(sample) detection limit but below method quantitation limit.
L: Bias in sample result likely to be low.
J: Analyte detected above method (sample) detection limit but below method quantitation limit.
U: Analyte not detected at laboratory reporting limit (Sample Detection Limit).
X: Matrix Spike/Matrix Spike Duplicate recoveries were found to be outside of the laboratory control limits.

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
Bottom Ash Ponds

	JKS-50R Downgradient																									
Sample Date	**12/7/16**	**2/22/17**	**3/28/17**	**5/3/17**	**6/20/17**	**7/25/17**	**8/29/17**	**10/10/17**	**4/4/18**	**10/30/18**	**4/9/19**	**10/22/19**	**2/25/20**	**4/28/20**	**10/21/20**	**2/24/21**	**4/13/21**	**10/19/21**	**2/22/22**	**4/14/22**	**10/25/22**	**2/22/23**	**04/18/23**	**10/17/23**	**04/09/24**	**10/09/24**	**02/12/25**
Task	**Event 1**	**Event 2**	**Event 3**	**Event 4**	**Event 5**	**Event 6**	**Event 7**	**Event 8**	**Event 9**	**Event 10**	**Event 11**	**Event 12**	**Event 12R**	**Event 13**	**Event 14**	**Event 14R**	**Event 15**	**Event 16**	**Event 16R**	**Event 17**	**Event 18**	**Event 18R**	**Event 19**	**Event 20**	**Event 21**	**Event 22**	**Event 22R**
Constituents	**Dec 2016**	**Feb 2017**	**Mar 2017**	**May 2017**	**Jun 2017**	**Jul 2017**	**Aug 2017**	**Oct 2017**	**Apr 2018**	**Oct 2018**	**Apr 2019**	**Oct 2019**	**Feb 2020**	**Apr 2020**	**Oct 2020**	**Feb 2021**	**Apr 2021**	**Oct 2021**	**Feb 2022**	**Apr 2022**	**Oct 2022**	**Feb 2023**	**Apr 2023**	**Oct 2023**	**Apr 2024**	**Oct 2024**	**Feb 2025**
Appendix III - Detection Monitoring																											
Boron	4.70	5.18	5.87	5.92	4.87	4.38	4.18	4.54	3.52	5.17	5.85	6.93	6.36	5.52	6.79	5.62	5.18	6.87	6.59	6.28	7.00	6.15	5.15	6.11	6.22	6.96	5.74
Calcium	126	134	189	120	125	108	130	132	127	116 D	159 D	135 D	--	126 J	140	--	139	126	--	128	129	--	119	131	144	127	---
Chloride	47.7 X	49.0 J	63.9	81.3	111	123	141 D	100	170	87.9	70.0	60.3	--	102	69.8	--	110	57.4	--	70.0	64.8	--	84.8 JH	79.8	104.0	58	---
Fluoride	0.316	0.331 JH	0.447 JH	0.528	0.387 JH	0.390 JH	0.0960 U	0.427 JH	0.335 J	0.392 J	0.319 J	0.380 J	--	0.510	0.332	--	0.336	0.018 U	--	0.284	0.378	--	0.31	0.312	0.338	0.342	---
Sulfate	137 X	146	156	160	146	148	195 D	144	131	141	168	172	--	194	171	--	182	181	--	189	190	--	171	188	204	180	---
pH - Field Collected	6.83	6.77	--	6.80	6.63	5.69	6.62	6.43	6.67	6.61	6.80	5.85	5.84	6.65	6.63	6.62	6.70	6.53	6.74	6.66	6.51	6.54	6.60	6.57	6.52	6.47	6.75
Total dissolved solids	737	808	789	902	914	856	992	947	883	688	842	899	--	918	863	--	942	838	--	887	693	--	1030	942	922	766	---
Appendix IV - Assessment Monitoring																											
Antimony	0.00120 U	0.000240 U	0.000240 U	0.00120 U	0.00120 U	0.000240 U	0.000240 U	0.000240 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Arsenic	0.00123 U	0.00111 J	0.000735 J	0.00123 U	0.00123 U	0.000520 J	0.000545 J	0.000596 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Barium	0.133	0.128	0.113	0.117	0.125	0.117	0.123	0.118	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Beryllium	0.000654 U	0.000147 J	0.000187 J	0.000654 U	0.000654 U	0.000131 U	0.000131 U	0.000174 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cadmium	0.000734 U	0.000147 U	0.000147 U	0.000734 U	0.000734 U	0.000147 U	0.000147 U	0.000189 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chromium	0.00262 U	0.00251 J	0.00169 J	0.00262 U	0.00262 U	0.000788 J	0.000759 J	0.00108 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cobalt	0.00305 J	0.00345	0.00251	0.00215 J	0.00191 J	0.00216	0.00233	0.00285	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoride	0.316	0.331 JH	0.447 JH	0.528	0.387 JH	0.390 JH	0.0960 U	0.427 JH	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lead	0.000796 J	0.000988 J	0.000627 J	0.000758 U	0.000758 U	0.000178 J	0.000152 U	0.000168 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lithium	0.000476 U	0.000476 U	0.00238 U	0.000476 U	0.00209 J	0.000476 U	0.00621 J	0.000476 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Mercury	0.0000263 U	0.0000263 U	0.0000263 U	0.0000263 U	0.0000263 U	0.0000263 U	0.0000263 U	0.0000263 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Molybdenum	0.00150 J	0.00153 J	0.00125 J	0.00128 U	0.00128 U	0.00102 J	0.00104 J	0.00108 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Selenium	0.00227 U	0.000514 J	0.000454 U	0.00227 U	0.00227 U	0.000454 U	0.000454 U	0.000454 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Thallium	0.00166 U	0.000332 U	0.000332 U	0.00166 U	0.00166 U	0.000332 U	0.000332 U	0.000332 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226	0.102 ± 0.173	0.479 ± 0.216	-0.0714 ± 0.168	0.197 ± 0.183 U	0.245 ± 0.204	0.408 ± 0.226	0 ± 0.176	0.815 ± 0.292	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-228	1.99 ± 1.31	-0.428 ± 1.24	0.665 ± 1.14	0.00273 ± 1.33 U	0.783 ± 0.638	1.08 ± 0.832	0.0172 ± 1.12	1.5 ± 0.842	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226/228 Combined	2.092 ± 1.483	0.051 ± 1.456	0.594 ± 1.308	0.200 ± 1.46 U	1.028 ± 0.842	1.488 ± 1.058	0.0172±1.296	2.315 ± 1.134	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

NOTES:
mg/L: Miligrams per Liter
SU: Standard Units
pCi/L: Picocuries per Liter.
-- : Laboratory did not analyze sample for indicated constituent.
R: Resample event.
D: Sample diluted due to targets detected over highest point of calibration curve or due to matrix interference.
H: Bias in sample result likely to be high.
NR: Analysis of this constituent not required for detection monitoring.
(sample) detection limit but below method quantitation limit.
L: Bias in sample result likely to be low.
J: Analyte detected above method (sample) detection limit but below method quantitation limit.
U: Analyte not detected at laboratory reporting limit (Sample Detection Limit).
X: Matrix Spike/Matrix Spike Duplicate recoveries were found to be outside of the laboratory control limits.

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
Bottom Ash Ponds

	JKS-52 Downgradient																							
Sample Date	**12/7/16**	**2/21/17**	**3/28/17**	**5/2/17**	**6/21/17**	**7/25/17**	**8/29/17**	**10/10/17**	**4/4/18**	**10/30/18**	**4/9/19**	**10/22/19**	**4/28/20**	**10/21/20**	**4/13/21**	**10/20/21**	**4/13/22**	**10/25/22**	**2/22/23**	**04/19/23**	**10/17/23**	**04/10/24**	**10/09/24**	**02/12/25**
Task	**Event 1**	**Event 2**	**Event 3**	**Event 4**	**Event 5**	**Event 6**	**Event 7**	**Event 8**	**Event 9**	**Event 10**	**Event 11**	**Event 12**	**Event 13**	**Event 14**	**Event 15**	**Event 16**	**Event 17**	**Event 18**	**Event 18R**	**Event 19**	**Event 20**	**Event 21**	**Event 22**	**Event 22R**
Constituents	**Dec 2016**	**Feb 2017**	**Mar 2017**	**May 2017**	**Jun 2017**	**Jul 2017**	**Aug 2017**	**Oct 2017**	**Apr 2018**	**Oct 2018**	**Apr 2019**	**Oct 2019**	**Apr 2020**	**Oct 2020**	**Apr 2021**	**Oct 2021**	**Apr 2022**	**Oct 2022**	**Feb 2023**	**Apr 2023**	**Oct 2023**	**Apr 2024**	**Oct 2024**	**Feb 2025**
Appendix III - Detection Monitoring																								
Boron	1.66	2.11	1.63	1.51	1.33	1.43	1.46	1.71 X	1.95	1.54	1.46 X	1.65	2.05	2.21	2.51	1.69	1.84	2.37	2.69	2.47	2.66	2.81	2.75	2.76
Calcium	169	181	189	--	145	140	162	168	175	153 D	195 DX	171 D	174 J	199	209	171	161	192	--	179	208	204	203	---
Chloride	331 D	377 D	323 DX	320	326 D	343 D	417 D	355	360 D	326	336	320	433	408	470	336	381	467	--	412 JH	438	478	441	---
Fluoride	0.796	0.665	0.718 JH	0.915 JH	0.705	0.996 JH	0.0960 U	0.740	0.720	0.710	0.831	0.808	0.908	0.659	0.601	0.440 U	0.418	0.686	--	0.626	0.018 U	0.657	0.600	---
Sulfate	277 D	318 D	299 DX	290	287 D	292 D	171 D	289	278 D	292	268	288 D	315	282	292	282	299	319	--	256	287	306	301	---
pH - Field Collected	7.01	6.47	6.91	6.94	6.87	5.87	6.81	6.63	6.79	6.76	6.91	6.00	6.83	6.78	6.70	6.71	6.97	6.80	6.74	6.74	6.78	6.87	6.39	7.05
Total dissolved solids	1290	1380	1100	1250	1280	1250	1250	1220	1240	1210	1170	1270	1470	1430	1590	1290	1470	1540	--	1650	1520	1520	1530	---
Appendix IV - Assessment Monitoring																								
Antimony	0.00120 U	0.000240 U	0.000240 U	0.000240 U	0.000240 U	0.000240 U	0.000240 U	0.000240 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Arsenic	0.00123 U	0.000565 J	0.000398 J	0.000425 J	0.000427 J	0.000392 J	0.000412 J	0.000448 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Barium	0.0646	0.0583	0.0519	0.0483	0.0527	0.0558	0.0565	0.0616	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Beryllium	0.000654 U	0.000131 U	0.000131 U	0.000131 U	0.000131 U	0.000131 U	0.000131 U	0.000153 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cadmium	0.000734 U	0.000147 U	0.000147 U	0.000147 U	0.000147 U	0.000147 U	0.000147 U	0.000147 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chromium	0.00262 U	0.000525 U	0.000525 U	0.000525 U	0.000841 J	0.000860 J	0.00123 J	0.00108 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cobalt	0.00188 J	0.00233	0.00112 J	0.00119 J	0.00211	0.00183 J	0.00159 J	0.00189 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoride	0.796	0.665	0.718 JH	0.915 JH	0.705	0.996 JH	0.0960 U	0.740	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lead	0.000758 U	0.000152 U	0.000152 U	0.000152 U	0.000292 J	0.000152 U	0.000152 U	0.000163 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lithium	0.000476 U	0.0471	0.000476 U	--	0.0616	0.0605	0.0827	0.0588	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Mercury	0.0000263 U	0.000234	0.0000263 U	0.0000263 U	0.0000263 U	0.0000810 J	0.0000263 U	0.0000263 UX	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Molybdenum	0.00128 U	0.00128 J	0.00115 J	0.00102 J	0.000911 J	0.000865 J	0.000843 J	0.000914 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Selenium	0.00227 U	0.000454 U	0.000454 U	0.000454 U	0.000454 U	0.000454 U	0.000454 U	0.000454 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Thallium	0.00166 U	0.000332 U	0.000332 U	0.000332 U	0.000332 U	0.000332 U	0.000332 U	0.000332 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226	1.71 ± 0.465	0.608 ± 0.289	0.296 ± 0.169	0 ± 0.150	0.435 ± 0.241	0.449 ± 0.196	0.194 ± 0.194	0.704 ± 0.319	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-228	2.65 ± 1.12	0.744 ± 0.833	0.0645 ± 0.649	0.53 ± 1.10	0.928 ± 0.784	1.16 ± 0.867	0.716 ± 0.767	1.54 ± 1.22	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226/228 Combined	4.36 ± 1.585	1.352 ± 1.122	0.3605 ± 0.818	0.53 ± 1.250	1.363 ± 1.025	1.609 ± 1.063	0.91 ± 0.961	2.244 ± 1.539	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

NOTES:
mg/L: Miligrams per Liter
SU: Standard Units
pCi/L: Picocuries per Liter.
-- : Laboratory did not analyze sample for indicated constituent.
R: Resample event.
D: Sample diluted due to targets detected over highest point of calibration curve or due to matrix interference.
H: Bias in sample result likely to be high.
NR: Analysis of this constituent not required for detection monitoring.
(sample) detection limit but below method quantitation limit.
L: Bias in sample result likely to be low.
J: Analyte detected above method (sample) detection limit but below method quantitation limit.
U: Analyte not detected at laboratory reporting limit (Sample Detection Limit).
X: Matrix Spike/Matrix Spike Duplicate recoveries were found to be outside of the laboratory control limits.

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
Bottom Ash Ponds

	JKS-55 Downgradient																						
Sample Date	**12/7/16**	**2/22/17**	**3/28/17**	**5/3/17**	**6/20/17**	**7/25/17**	**8/29/17**	**10/10/17**	**4/4/18**	**10/30/18**	**4/9/19**	**10/22/19**	**4/28/20**	**10/21/20**	**4/13/21**	**10/19/21**	**4/14/22**	**10/25/22**	**04/18/23**	**10/17/23**	**02/13/24**	**04/09/24**	**10/08/24**	**02/12/25**
Task	**Event 1**	**Event 2**	**Event 3**	**Event 4**	**Event 5**	**Event 6**	**Event 7**	**Event 8**	**Event 9**	**Event 10**	**Event 11**	**Event 12**	**Event 13**	**Event 14**	**Event 15**	**Event 16**	**Event 17**	**Event 18**	**Event 19**	**Event 20**	**Event 21**	**Event 22**	**Event 22**	**Event 22R**
Constituents	**Dec 2016**	**Feb 2017**	**Mar 2017**	**May 2017**	**Jun 2017**	**Jul 2017**	**Aug 2017**	**Oct 2017**	**Apr 2018**	**Oct 2018**	**Apr 2019**	**Oct 2019**	**Apr 2020**	**Oct 2020**	**Apr 2021**	**Oct 2021**	**Apr 2022**	**Oct 2022**	**Apr 2023**	**Oct 2023**	**Feb 2024**	**Apr 2024**	**Oct 2024**	**Feb 2025**
Appendix III - Detection Monitoring																								
Boron	0.716	0.716	0.785	0.710	0.787	0.651	0.687	0.759	0.645	0.611	0.740	0.771	0.779	0.815	0.762	0.826	0.778	0.850	0.794	0.928	0.896	0.958	1.00	0.95
Calcium	143	153	181	133	133	118	136	146	134	119 D	165 D	145 D	137 J	154	146	139	131	133	126	131	NS	143	134	---
Chloride	384 DX	50.5	403 D	388	395 D	400 D	168 D	386	387 D	429	438	432	452	431	440	424	443 JH	456	406	430	NS	412	381	---
Fluoride	0.857	0.352 JH	0.746 JH	0.891	1.14	1.08 JH	0.0960 U	0.864	0.791	0.820	0.822	0.832	1.01	0.727	0.857	0.880 U	0.557	0.868	0.844	0.822	NS	0.849	0.785	---
Sulfate	164 X	147	172	173	164	166	139 D	157	168	155	168	159	177	164	173	182	178	180	173	194	NS	177	177	---
pH - Field Collected	6.85	6.80	6.81	6.82	6.72	5.77	6.72	6.53	6.75	6.70	6.90	5.96	6.81	6.77	6.78	6.68	6.84	6.73	6.80	6.74	6.55	6.67	6.56	7.03
Total dissolved solids	1430	1380	1290	1310	1500	1270	826	1470	1300	1190	1420	1370	1350	1380	1390	1440	1370	1540	1380	1360	NS	1440	1190	---
Appendix IV - Assessment Monitoring																								
Antimony	0.00120 U	0.000240 U	0.000240 U	0.00120 U	0.00120 U	0.000240 U	0.000240 U	0.000240 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Arsenic	0.00123 U	0.000650 J	0.000520 J	0.00123 U	0.00123 U	0.000507 J	0.000582 J	0.000599 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Barium	0.103	0.0876	0.0823	0.0758	0.0828	0.0780	0.0801	0.0816	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Beryllium	0.000654 U	0.000131 U	0.000134 J	0.000654 U	0.000654 U	0.000131 U	0.000131 U	0.000131 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cadmium	0.000734 U	0.000147 U	0.000147 U	0.000734 U	0.000734 U	0.000147 U	0.000147 U	0.000147 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chromium	0.00262 U	0.000625 J	0.000525 U	0.00262 U	0.00262 U	0.000525 U	0.000797 J	0.000903 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cobalt	0.00702 J	0.00516	0.00579	0.00750 J	0.00642 J	0.00562	0.00565	0.00565	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoride	0.857	0.352 JH	0.746 JH	0.891	1.14	1.08 JH	0.0960 U	0.864	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lead	0.000758 U	0.000152 U	0.000152 U	0.000758 U	0.000758 U	0.000152 U	0.000152 U	0.000152 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lithium	0.000476 U	0.000476 U	0.00238 U	0.0136 J	0.0425	0.0354	0.0495	0.0338	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Mercury	0.0000263 U	0.0000263 U	0.0000263 UX	0.0000263 U	0.0000263 UX	0.0000263 U	0.0000263 U	0.0000263 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Molybdenum	0.00130 J	0.00123 J	0.00108 J	0.00128 U	0.00128 U	0.000804 J	0.000898 J	0.000837 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Selenium	0.00227 U	0.000454 U	0.000454 U	0.00227 U	0.00227 U	0.000454 U	0.000454 U	0.000454 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Thallium	0.00166 U	0.000332 U	0.000332 U	0.00166 U	0.00166 U	0.000332 U	0.000332 U	0.000332 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226	0.694 ± 0.358	0.721 ± 0.320	0.745 ± 0.258	0.576 ± 0.261	0.305 ± 0.190	0.0212 ± 0.171	0.327 ± 0.233	0.588 ± 0.314	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-228	3.76 ± 1.33	1.87 ± 1.01	-0.0356 ± 1.09	1.01 ± 1.02	0.591 ± 0.843	0.532 ± 0.795	0.234 ± 0.821	1.24 ± 0.848	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226/228 Combined	4.454 ± 1.688	2.591 ± 1.33	0.709 ± 1.348	1.586 ± 1.281	0.896 ± 1.033	0.5532 ± 0.966	0.561 ± 1.054	1.828 ± 1.162	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

NOTES:
mg/L: Miligrams per Liter
SU: Standard Units
pCi/L: Picocuries per Liter.
-- : Laboratory did not analyze sample for indicated constituent.
R: Resample event.
D: Sample diluted due to targets detected over highest point of calibration curve or due to matrix interference.
H: Bias in sample result likely to be high.
NR: Analysis of this constituent not required for detection monitoring.
(sample) detection limit but below method quantitation limit.
L: Bias in sample result likely to be low.
J: Analyte detected above method (sample) detection limit but below method quantitation limit.
U: Analyte not detected at laboratory reporting limit (Sample Detection Limit).
X: Matrix Spike/Matrix Spike Duplicate recoveries were found to be outside of the laboratory control limits.

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
Bottom Ash Ponds

	JKS-56 Downgradient																						
Sample Date	**12/7/16**	**2/22/17**	**3/30/17**	**5/3/17**	**6/20/17**	**7/25/17**	**8/29/17**	**10/10/17**	**4/4/18**	**10/30/18**	**4/9/19**	**10/22/19**	**2/25/20**	**4/28/20**	**10/21/20**	**4/13/21**	**10/19/21**	**2/22/22**	**4/23/22**	**10/25/22**	**04/19/23**	**10/17/23**	**04/09/24**	**10/09/24**
Task	**Event 1**	**Event 2**	**Event 3**	**Event 4**	**Event 5**	**Event 6**	**Event 7**	**Event 8**	**Event 9**	**Event 10**	**Event 11**	**Event 12**	**Event 12R**	**Event 13**	**Event 14**	**Event 15**	**Event 16**	**Event 16R**	**Event 17**	**Event 18**	**Event 19**	**Event 20**	**Event 21**	**Event 22**
Constituents	**Dec 2016**	**Feb 2017**	**Mar 2017**	**May 2017**	**Jun 2017**	**Jul 2017**	**Aug 2017**	**Oct 2017**	**Apr 2018**	**Oct 2018**	**Apr 2019**	**Oct 2019**	**Feb 2020**	**Apr 2020**	**Oct 2020**	**Apr 2021**	**Oct 2021**	**Feb 2022**	**Apr 2022**	**Oct 2022**	**Apr 2023**	**Oct 2023**	**Apr 2024**	**Oct 2024**
Appendix III - Detection Monitoring																								
Boron	3.97	4.13	--	4.60	3.98	3.60	3.60 X	3.48	3.95	3.95	3.85	4.47	4.04	3.55	4.00	3.16	4.31	4.06	3.83	3.92	2.86	3.35	3.16	3.74
Calcium	137	143	127	124	136	116	137	146	126	121 D	150 D	131 D	--	103 J	120	111	120	--	110	109	92	106	106	113
Chloride	131	95.7	96.3	95.6	114	126	146 D	150	121	108 JL	81.0	81.2	--	101	77.2	176	71.3	--	100	97.2	138 JH	133	153	104
Fluoride	0.344	0.354 JH	0.333	0.564	0.407 JH	0.401 JH	0.0960 U	0.448 JH	0.37 J	0.428 J	0.372 J	0.452 J	--	0.552	0.418	0.403	0.992	0.178	0.367	0.475	0.398	0.448	0.444	0.433
Sulfate	193	190	188	183	186	194	201 D	200	193	192	193	194	--	138	140	64.0	181	--	121	111	39.80	0.62	57.40	103
pH - Field Collected	6.73	6.63	6.56	6.71	6.56	5.63	6.57	6.38	6.64	6.55	6.76	5.84	5.98	6.72	6.63	6.7	6.59	6.8	6.81	6.54	6.68	6.68	6.37	6.58
Total dissolved solids	1100	969	1020	997	1060	1060	986	1240	992	976	918	968	--	904	847	838	870	--	838	861	791	840	792	764
Appendix IV - Assessment Monitoring																								
Antimony	0.00120 U	0.000240 U	--	0.00120 U	0.00120 U	0.000240 U	0.00104 J	0.000240 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Arsenic	0.00527 J	0.00425	--	0.00350 J	0.00435 J	0.00373	0.00517	0.00451	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Barium	0.126	0.0974	--	0.0890	0.0921	0.0897	0.103	0.0909	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Beryllium	0.000654 U	0.000131 U	--	0.000654 U	0.000654 U	0.000131 U	0.000136 J	0.000131 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cadmium	0.000734 U	0.000147 U	--	0.000734 U	0.000734 U	0.000147 U	0.000147 U	0.000147 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chromium	0.00262 U	0.000654 J	--	0.00276 J	0.00262 U	0.000525 U	0.00498	0.00141 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cobalt	0.00560 J	0.00564	--	0.00641 J	0.00687 J	0.00668	0.00771	0.00746	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoride	0.344	0.354 JH	0.333	0.564	0.407 JH	0.401 JH	0.0960 U	0.448 JH	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lead	0.000758 U	0.000152 U	--	0.000758 U	0.000758 U	0.000152 U	0.000211 J	0.000152 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lithium	0.000476 U	0.000476 U	0.000476 U	0.000476 U	0.00156 J	0.000476 U	0.00598 J	0.000476 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Mercury	0.0000263 U	0.0000263 U	0.0000263 U	0.0000700 J	0.0000263 UX	0.0000263 U	0.0000263 UX	0.0000263 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Molybdenum	0.00360 J	0.00190 J	--	0.00168 J	0.00152 J	0.00156 J	0.00160 J	0.00155 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Selenium	0.00227 U	0.000454 U	--	0.00227 U	0.00227 U	0.000454 U	0.000454 U	0.000454 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Thallium	0.00166 U	0.000332 U	--	0.00166 U	0.00166 U	0.000332 U	0.000332 U	0.000332 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226	1.23 ± 0.430	0.254 ± 0.175	0.372 ± 0.215	0.138 ± 0.166	0.273 ± 0.253	0.177 ± 0.213	0.441 ± 0.225	0.397 ± 0.252	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-228	0.949 ± 1.38	3.07 ± 1.28	1.09 ± 0.897	1.97 ± 1.35	1.27 ± 0.994	1.16 ± 0.862	1.45 ± 0.895	3.36 ± 1.42	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226/228 Combined	2.179 ± 1.81	3.324 ± 1.455	1.462 ± 1.112	2.108 ± 1.516	1.543 ± 1.247	1.337 ± 1.075	1.891 ± 1.12	3.757 ± 1.672	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

NOTES:
mg/L: Miligrams per Liter
SU: Standard Units
pCi/L: Picocuries per Liter.
-- : Laboratory did not analyze sample for indicated constituent.
R: Resample event.
D: Sample diluted due to targets detected over highest point of calibration curve or due to matrix interference.
H: Bias in sample result likely to be high.
NR: Analysis of this constituent not required for detection monitoring.
(sample) detection limit but below method quantitation limit.
L: Bias in sample result likely to be low.
J: Analyte detected above method (sample) detection limit but below method quantitation limit.
U: Analyte not detected at laboratory reporting limit (Sample Detection Limit).
X: Matrix Spike/Matrix Spike Duplicate recoveries were found to be outside of the laboratory control limits.

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
Bottom Ash Ponds

	JKS-70 Upgradient								
Sample Date	**10/25/22**	**2/22/23**	**4/19/23**	**8/23/23**	**10/18/23**	**02/14/24**	**04/09/24**	**08/21/24**	**10/08/24**
Task	**Event 1**	**Event 2**	**Event 3**	**Event 4**	**Event 5**	**Event 6**	**Event 7**	**Event 8**	**Event 9**
Constituents	**Oct 2022**	**Feb 2023**	**Apr 2023**	**Aug 2023**	**Oct 2023**	**Feb 2024**	**Apr 2024**	**Aug 2024**	**Oct 2024**
Appendix III - Detection Monitoring									
Boron	0.316	0.256	0.233	0.269	0.243	0.293	0.266	0.288	0.281
Calcium	47.7	69.4	67.2	62.8	71.7	100	61.8	54.7	60.0
Chloride	116	119	102 JH	111	115	102	137	104	103
Fluoride	0.250	0.800	0.617	0.668	0.642	0.626	0.750	0.770	0.676
Sulfate	83.3	24.2 J	32.4	41.8	0.56 U	29.5	39.1	39.9	32.3
pH - Field Collected	7.16	6.82	6.79	7.43	6.68	6.25	6.80	6.40	6.96
Total dissolved solids	912	692	619	668	635	660	644	632	510
Appendix IV - Assessment Monitoring									
Antimony	NR	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	NR
Arsenic	NR	0.005 J	0.006 JH	0.0009 J	0.008 J	0.007 J	0.005 J	0.002 J	NR
Barium	NR	0.053	0.048	0.056	0.05	0.053	0.059	0.064	NR
Beryllium	NR	0.0003 U	0.0003 U	0.0003 U	0.0007 J	0.0009 J	0.0003 U	0.0003 U	NR
Cadmium	NR	0.0003 J	0.0003 U	0.0008 J	0.001 JH	0.002 J	0.0003 U	0.0004 J	NR
Chromium	NR	0.0004 UJ	0.0006 J	0.0008 J	0.0004 J	0.006 J	0.001 J	0.001 J	NR
Cobalt	NR	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.006 J	0.341	0.0003 U	NR
Fluoride	NR	0.80	0.617	0.668	0.642	0.626	0.750	0.770	NR
Lead	NR	0.004 J	0.003 J	0.009 J	0.011	0.014	0.009 J	0.002 J*H*	NR
Lithium	NR	0.015 J	0.021 J	--	0.022 J	0.029 J	0.063	0.041 J	NR
Mercury	NR	0.0002 J	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	NR
Molybdenum	NR	0.005 J	0.005 J	0.005 J	0.003 J	0.003 J	0.004 J	0.004 J	NR
Selenium	NR	0.008 J	0.006 J	0.004 J	0.004 JH	0.002 U	0.002 U	0.006 J	NR
Thallium	NR	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009 U	NR
Radium-226	NR	0.456 ± 0.148 JL	0.263 ± 0.120 JL	0.242 ± 0.128 JL	0.361 ± 0.136	0.346 ± 0.148	0.439 ± 0.168	0.744 ± 0.278 *JL*	NR
Radium-228	NR	1.32 ± 0.537 JL	0.860 ± 0.434	1.76 ± 0.538 JL	0.723 ± 0.443	0.572 ± 0.413 U	0.747 ± 0.326	0.613 ± 0.417 UJL	NR
Radium-226/228 Combined	NR	1.776 ± 0.683	1.12 ± 0.451 JL	2.00 ± 0.553 JL	1.08 ± 0.463	0.917 ± 0.439	1.19 ± 0.367	1.36 ± 0.501 *JL*	NR

NOTES:
mg/L: Miligrams per Liter
SU: Standard Units
pCi/L: Picocuries per Liter.
-- : Laboratory did not analyze sample for indicated constituent.
R: Resample event.
D: Sample diluted due to targets detected over highest point of calibration curve or due to matrix interference.
H: Bias in sample result likely to be high.
NR: Analysis of this constituent not required for detection monitoring.
(sample) detection limit but below method quantitation limit.
L: Bias in sample result likely to be low.
J: Analyte detected above method (sample) detection limit but below method quantitation limit.
U: Analyte not detected at laboratory reporting limit (Sample Detection Limit).
X: Matrix Spike/Matrix Spike Duplicate recoveries were found to be outside of the laboratory control limits.

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
SRH Pond

		JKS-49 Unclassified																				
Sample Date		**12/7/16**	**2/22/17**	**3/28/17**	**5/3/17**	**6/20/17**	**7/25/17**	**8/29/17**	**10/10/17**	**4/4/18**	**10/30/18**	**4/9/19**	**10/22/19**	**4/28/20**	**10/21/20**	**4/13/21**	**10/19/21**	**4/13/22**	**10/25/22**	**04/18/23**	**10/17/23**	**04/09/24**	**10/09/24**
Task		**Event 1**	**Event 2**	**Event 3**	**Event 4**	**Event 5**	**Event 6**	**Event 7**	**Event 8**	**Event 9**	**Event 10**	**Event 11**	**Event 12**	**Event 13**	**Event 14**	**Event 15**	**Event 16**	**Event 17**	**Event 18**	**Event 19**	**Event 20**	**Event 21**	**Event 22**
Constituents	**Unit**	**Dec 2016**	**Feb 2017**	**Mar 2017**	**May 2017**	**Jun 2017**	**Jul 2017**	**Aug 2017**	**Oct 2017**	**Apr 2018**	**Oct 2018**	**Apr 2019**	**Oct 2019**	**April 2020**	**Oct 2020**	**Apr 2021**	**Oct 2021**	**Apr 2022**	**Oct 2022**	**Apr 2023**	**Oct 2023**	**Apr 2024**	**Oct 2024**
Appendix III - Detection Monitoring																							
Boron	mg/L	3.24	3.28	3.28	3.03 X	3.04 J	2.76	2.85	2.87	2.71	2.70	2.05	2.58	2.47	2.81	2.59	2.50	2.50	2.60	2.24	2.58	2.47	2.58
Calcium	mg/L	130	146	173	113	127	120	145	147	135	117 D	154 D	127 D	114 J	132	133	119	117	117	106	120	124	120.0
Chloride	mg/L	295 D	383 D	372 D	326	414 D	448 D	459 D	424	446 D	408	449	429	452	435	449	437	455	471	404 JH	437	442	437
Fluoride	mg/L	0.715	--	0.665 JH	0.809	0.627 JH	0.617 JH	0.525	0.712	0.697	0.719	0.749	0.793	0.894	0.656	0.729	0.018 U	0.561	0.018 U	0.289	0.753	0.754	0.753
Sulfate	mg/L	211 D	232 D	234 D	194	218 D	227	265 D	219 X	237	237	240	205	217	193	211	232	228	225	202	226	225	226
pH - Field Collected	SU	7.19	7.12	7.12	7.02	7.06	6.16	7.05	6.89	7.12	7.12	7.31	6.43	7.15	7.14	7.12	7.06	7.26	7.18	7.16	7.17	7.02	7.17
Total dissolved solids	mg/L	1250	1240	1190	1100	1450	1440	1490	1730	1310	1210	1290	1380	1240	1380	1290	1300	1380	1340	1380	1320	1290	1320
Appendix IV - Assessment Monitoring																							
Antimony	mg/L	0.00120 U	0.000240 U	0.000240 U	0.00173 J	0.00120 U	0.000240 U	0.000240 U	0.000240 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Arsenic	mg/L	0.00123 U	0.000676 J	0.000729 J	0.00123 U	0.00123 U	0.000544 J	0.000538 J	0.000478 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Barium	mg/L	0.0607	0.0575	0.0503	0.0554	0.0783	0.0721	0.0788	0.0735	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Beryllium	mg/L	0.000654 U	0.000131 U	0.000131 U	0.000654 U	0.000654 U	0.000131 U	0.000131 U	0.000131 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cadmium	mg/L	0.000734 U	0.000147 U	0.000147 U	0.000734 U	0.000734 U	0.000147 U	0.000147 U	0.000147 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chromium	mg/L	0.00262 U	0.000859 J	0.000572 J	0.00262 U	0.00262 U	0.000963 J	0.000997 J	0.00113 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cobalt	mg/L	0.00102 J	0.00109 J	0.00124 J	0.00155 J	0.00133 J	0.00153 J	0.00155 J	0.00146 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoride	mg/L	0.715	0.643 JH	0.665 JH	0.809	0.627 JH	0.617 JH	0.525	0.712	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lead	mg/L	0.000758 U	0.000152 U	0.000152 U	0.000758 U	0.000758 U	0.000155 J	0.000152 U	0.000152 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lithium	mg/L	0.000476 U	0.000476 U	0.00238 U	0.0137 J	0.0341	0.0295	0.0427	0.0252	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Mercury	mg/L	0.0000263 U	0.0000263 U	0.0000263 U	0.0000690 J	0.0000263 U	0.0000490 J	0.0000263 U	0.0000263 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Molybdenum	mg/L	0.00779 J	0.00846	0.00875	0.0106	0.00908 J	0.00938	0.0107	0.0111	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Selenium	mg/L	0.00992 J	0.00597	0.00479	0.00521 J	0.00370 J	0.00235	0.00188 J	0.00141 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Thallium	mg/L	0.00166 U	0.000332 U	0.000332 U	0.00166 U	0.00166 U	0.000332 U	0.000332 U	0.000332 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226	pCi/L	0.198 ± 0.197	0.615 ± 0.272	0.747 ± 0.323	0.195 ± 0.167	0.294 ± 0.192	0.241 ± 0.193	0.159 ± 0.191	0.746 ± 0.274	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-228	pCi/L	2.1 ± 0.907	-1.37 ± 1.37	0.854 ± 0.724	1.08 ± 1.72	2.23 ± 0.949	0.658 ± 0.636	0.812 ± 0.604	1.43 ± 0.898	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226/228 Combined	pCi/L	2.298 ± 1.104	-0.755 ± 1.642	1.601 ± 1.047	1.275 ± 1.887	2.524 ± 1.141	0.899 ± 0.829	0.971 ± 0.795	2.176 ± 1.172	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

NOTES:
mg/L: Milligrams per Liter
SU: Standard Units
pCi/L: Picocuries per Liter
-- : Laboratory did not analyze sample for indicated constituent.
D: Sample diluted due to targets detected over highest point of calibration curve or due to matrix interference.
H: Bias in sample result likely to be high.
L: Bias in sample result likely to be low.
J: Analyte detected above method (sample) detection limit but below method quantitation limit.
NR: Analysis of this constituent not required for detection monitoring.
U: Analyte not detected at laboratory reporting limit (Sample Detection Limit).
X: Matrix Spike/Matrix Spike Duplicate recoveries were found to be outside of the laboratory control limits.

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
SRH Pond

		JKS-51 Upgradient																				
Sample Date		**12/8/16**	**2/22/17**	**3/28/17**	**5/3/17**	**6/21/17**	**7/25/17**	**8/29/17**	**10/10/17**	**4/4/18**	**10/30/18**	**4/9/19**	**10/22/19**	**4/28/20**	**10/20/20**	**4/13/21**	**10/20/21**	**4/13/22**	**10/25/22**	**04/18/23**	**10/18/23**	**04/09/24**	**10/09/24**
Task		**Event 1**	**Event 2**	**Event 3**	**Event 4**	**Event 5**	**Event 6**	**Event 7**	**Event 8**	**Event 9**	**Event 10**	**Event 11**	**Event 12**	**Event 13**	**Event 14**	**Event 15**	**Event 16**	**Event 17**	**Event 18**	**Event 19**	**Event 20**	**Event 21**	**Event 22**
Constituents	**Unit**	**Dec 2016**	**Feb 2017**	**Mar 2017**	**May 2017**	**Jun 2017**	**Jul 2017**	**Aug 2017**	**Oct 2017**	**Apr 2018**	**Oct 2018**	**Apr 2019**	**Oct 2019**	**April 2020**	**Oct 2020**	**Apr 2021**	**Oct 2021**	**Apr 2022**	**Oct 2022**	**Apr 2023**	**Oct 2023**	**Apr 2024**	**Oct 2024**
Appendix III - Detection Monitoring																							
Boron	mg/L	0.512	0.517	0.473	0.565	0.512	0.525	0.453	0.509	0.465	0.347	0.489	0.648	0.627	0.668	0.579	0.665	0.634	0.711	0.516	0.656 JH	0.638	0.66
Calcium	mg/L	267	292	322	266	261 X	232	236	256	246	149 D	328	336 D	334 J	298	314	321	362	316	211	236 J	250	236.0
Chloride	mg/L	403 D	331 D	414 D	447	424 D	455 D	384 D	375	395 D	301	559	574 D	555	493	522	543	549	620	403 JH	437	489	437.00
Fluoride	mg/L	0.247	0.341 JH	0.415 JH	0.534	0.354	0.391	0.0960 U	0.407 JH	0.305 J	0.291 J	0.329 J	0.405 J	0.470	0.018 U	0.292	0.018 U	0.224	0.295	0.283	0.018 U	0.28	0.018 U
Sulfate	mg/L	293 D	330 D	348 D	359	342 D	330 D	314 D	302	354 D	260	428	405 D	439	376	382	421	445	503	295	310	325	310
pH - Field Collected	SU	6.59	6.51	6.48	6.56	6.40	5.48	6.38	6.20	6.44	6.70	6.66	5.73	6.43	6.47	6.42	6.32	6.54	6.44	6.36	6.39	6.53	6.39
Total dissolved solids	mg/L	1650	1650	1490	1980	1530	1580	1390	1650	1320	916	1890	2150	2010	1930	2190	2260	2720	2490	1620	1550	1590	1550
Appendix IV - Assessment Monitoring																							
Antimony	mg/L	0.00120 U	0.000240 U	0.000240 U	0.00120 U	0.000953 J	0.000240 U	0.000240 U	0.000240 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Arsenic	mg/L	0.00123 U	0.000412 J	0.000390 J	0.00123 U	0.000392 J	0.000344 J	0.000395 J	0.000418 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Barium	mg/L	0.0655	0.0563	0.0517	0.0512	0.0534	0.0520	0.0520	0.0564	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Beryllium	mg/L	0.000654 U	0.000131 U	0.000131 U	0.000654 U	0.000212 J	0.000131 U	0.000131 U	0.000131 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cadmium	mg/L	0.000734 U	0.000147 U	0.000147 U	0.000734 U	0.000147 U	0.000147 U	0.000147 U	0.000147 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chromium	mg/L	0.00262 U	0.000941 J	0.000525 U	0.00262 U	0.000657 J	0.000874 J	0.00113 J	0.00133 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cobalt	mg/L	0.000350 U	0.0000770 J	0.0000920 J	0.000350 U	0.000124 J	0.0000940 J	0.0000800 J	0.000108 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoride	mg/L	0.247	0.341 JH	0.415 JH	0.534	0.354	0.391	0.0960 U	0.407 JH	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lead	mg/L	0.000758 U	0.000152 U	0.000152 U	0.000758 U	0.000152 U	0.000152 U	0.000152 U	0.000152 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lithium	mg/L	0.000476 U	0.000476 U	0.00238 U	0.0322	0.0874	0.0790	0.0958 JX	0.0718	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Mercury	mg/L	0.0000263 U	0.0000263 U	0.0000263 U	0.0000263 U	0.0000263 U	0.000199 J	0.0000263 U	0.0000263 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Molybdenum	mg/L	0.00128 U	0.000255 U	0.000255 U	0.00128 U	0.000255 U	0.000255 U	0.000255 U	0.000255 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Selenium	mg/L	0.00227 U	0.000454 U	0.000454 U	0.00227 U	0.000454 U	0.000454 U	0.000454 U	0.000454 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Thallium	mg/L	0.00166 U	0.000332 U	0.000332 U	0.00166 U	0.000332 U	0.000332 U	0.000332 U	0.000332 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226	pCi/L	1.09 ± 0.376	0.104 ± 0.122	0.618 ± 0.247	0.197 ± 0.145	0.328 ± 0.195	0.0847 ± 0.186	4.83 ± 0.763	0.682 ± 0.309	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-228	pCi/L	0.312 ± 0.688	1.09 ± 1.37	2.32 ± 1.45	-1.26 ± 1.37	-0.799 ± 0.928	1.57 ± 0.786	0.762 ± 0.706	0.963 ± 0.954	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226/228 Combined	pCi/L	1.402 ± 1.064	1.194 ± 1.492	2.938 ± 1.697	-1.063 ± 1.515	-0.471 ± 1.123	1.6547 ± 0.972	5.592 ± 1.469	1.645 ± 1.263	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

NOTES:
mg/L: Milligrams per Liter
SU: Standard Units
pCi/L: Picocuries per Liter
-- : Laboratory did not analyze sample for indicated constituent.
D: Sample diluted due to targets detected over highest point of calibration curve or due to matrix interference.
H: Bias in sample result likely to be high.
L: Bias in sample result likely to be low.
J: Analyte detected above method (sample) detection limit but below method quantitation limit.
NR: Analysis of this constituent not required for detection monitoring.
U: Analyte not detected at laboratory reporting limit (Sample Detection Limit).
X: Matrix Spike/Matrix Spike Duplicate recoveries were found to be outside of the laboratory control limits.

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
SRH Pond

		JKS-52 Downgradient																								
Sample Date		**12/7/16**	**2/21/17**	**3/28/17**	**5/2/17**	**6/21/17**	**7/25/17**	**8/29/17**	**10/10/17**	**4/4/18**	**10/30/18**	**4/9/19**	**10/22/19**	**4/28/20**	**10/21/20**	**4/13/21**	**10/20/21**	**4/13/22**	**10/25/22**	**02/22/23**	**04/19/23**	**10/17/23**	**02/13/24**	**04/10/24**	**10/09/24**	**02/12/25**
Task		**Event 1**	**Event 2**	**Event 3**	**Event 4**	**Event 5**	**Event 6**	**Event 7**	**Event 8**	**Event 9**	**Event 10**	**Event 11**	**Event 12**	**Event 13**	**Event 14**	**Event 15**	**Event 16**	**Event 17**	**Event 18**	**Event 18R**	**Event 19**	**Event 20**	**Event 20R**	**Event 21**	**Event 22**	**Event 22R**
Constituents	**Unit**	**Dec 2016**	**Feb 2017**	**Mar 2017**	**May 2017**	**Jun 2017**	**Jul 2017**	**Aug 2017**	**Oct 2017**	**Apr 2018**	**Oct 2018**	**Apr 2019**	**Oct 2019**	**April 2020**	**Oct 2020**	**Apr 2021**	**Oct 2021**	**Apr 2022**	**Oct 2022**	**Feb 2023**	**Apr 2023**	**Oct 2023**	**Feb 2024**	**Apr 2024**	**Oct 2024**	**Feb 2025**
Appendix III - Detection Monitoring																										
Boron	mg/L	1.66	2.11	1.63	1.51	1.33	1.43	1.46	1.71 X	1.95	1.54	1.46 X	1.65	2.05	2.21	2.51	1.69	1.84	2.37	2.69	2.47	2.66	2.63	2.81	2.66	2.76
Calcium	mg/L	169	181	189	--	145	140	162	168	175	153 D	195 DX	171 D	174 J	199	209	171	161	192	--	179	208	NR	204	208.0	--
Chloride	mg/L	331 D	377 D	323 DX	320	326 D	343 D	417 D	355	360 D	326	336	320	433	408	470	336	381 JH	467	--	412	438	NR	478	438	--
Fluoride	mg/L	0.796	0.665	0.718 JH	0.915 JH	0.705	0.996 JH	0.0960 U	0.740	0.720	0.710	0.831	0.808	0.908	0.659	0.601	0.440 U	0.418	0.686	--	0.626	0.018 U	NR	0.657	0.018 U	--
Sulfate	mg/L	277 D	318 D	299 DX	290	287 D	292 D	171 D	289	278 D	292	268	288 D	315	282	292	282	299	319	--	256	287	NR	306	287	--
pH - Field Collected	SU	7.01	6.47	6.91	6.94	6.87	5.87	6.81	6.63	6.79	6.76	6.91	6.00	6.83	6.78	6.70	6.71	6.97	6.80	--	6.74	6.78	6.58	6.87	6.78	7.05
Total dissolved solids	mg/L	1290	1380	1100	1250	1280	1250	1250	1220	1240	1210	1170	1270	1470	1430	1590	1290	1470	1540	--	1650	1520	NR	1520	1520	--
Appendix IV - Assessment Monitoring																										
Antimony	mg/L	0.00120 U	0.000240 U	0.000240 U	0.000240 U	0.000240 U	0.000240 U	0.000240 U	0.000240 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Arsenic	mg/L	0.00123 U	0.000565 J	0.000398 J	0.000425 J	0.000427 J	0.000392 J	0.000412 J	0.000448 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Barium	mg/L	0.0646	0.0583	0.0519	0.0483	0.0527	0.0558	0.0565	0.0616	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Beryllium	mg/L	0.000654 U	0.000131 U	0.000131 U	0.000131 U	0.000131 U	0.000131 U	0.000131 U	0.000153 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cadmium	mg/L	0.000734 U	0.000147 U	0.000147 U	0.000147 U	0.000147 U	0.000147 U	0.000147 U	0.000147 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chromium	mg/L	0.00262 U	0.000525 U	0.000525 U	0.000525 U	0.000841 J	0.000860 J	0.00123 J	0.00108 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cobalt	mg/L	0.00188 J	0.00233	0.00112 J	0.00119 J	0.00211	0.00183 J	0.00159 J	0.00189 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoride	mg/L	0.796	0.665	0.718 JH	0.915 JH	0.705	0.996 JH	0.0960 U	0.740	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lead	mg/L	0.000758 U	0.000152 U	0.000152 U	0.000152 U	0.000292 J	0.000152 U	0.000152 U	0.000163 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lithium	mg/L	0.000476 U	0.0471	0.000476 U	--	0.0616	0.0605	0.0827	0.0588	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Mercury	mg/L	0.0000263 U	0.000234	0.0000263 U	0.0000263 U	0.0000263 U	0.0000810 J	0.0000263 U	0.0000263 UX	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Molybdenum	mg/L	0.00128 U	0.00128 J	0.00115 J	0.00102 J	0.000911 J	0.000865 J	0.000843 J	0.000914 J	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Selenium	mg/L	0.00227 U	0.000454 U	0.000454 U	0.000454 U	0.000454 U	0.000454 U	0.000454 U	0.000454 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Thallium	mg/L	0.00166 U	0.000332 U	0.000332 U	0.000332 U	0.000332 U	0.000332 U	0.000332 U	0.000332 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226	pCi/L	1.71 ± 0.465	0.608 ± 0.289	0.296 ± 0.169	0 ± 0.150	0.435 ± 0.241	0.449 ± 0.196	0.194 ± 0.194	0.704 ± 0.319	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-228	pCi/L	2.65 ± 1.12	0.744 ± 0.833	0.0645 ± 0.649	0.53 ± 1.10	0.928 ± 0.784	1.16 ± 0.867	0.716 ± 0.767	1.54 ± 1.22	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226/228 Combined	pCi/L	4.36 ± 1.585	1.352 ± 1.122	0.3605 ± 0.818	0.53 ± 1.25	1.363 ± 1.025	1.609 ± 1.063	0.91 ± 0.961	2.244 ± 1.539	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

NOTES:
mg/L: Milligrams per Liter
SU: Standard Units
pCi/L: Picocuries per Liter
-- : Laboratory did not analyze sample for indicated constituent.
D: Sample diluted due to targets detected over highest point of calibration curve or due to matrix interference.
H: Bias in sample result likely to be high.
L: Bias in sample result likely to be low.
J: Analyte detected above method (sample) detection limit but below method quantitation limit.
NR: Analysis of this constituent not required for detection monitoring.
U: Analyte not detected at laboratory reporting limit (Sample Detection Limit).
X: Matrix Spike/Matrix Spike Duplicate recoveries were found to be outside of the laboratory control limits.

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
SRH Pond

		JKS-53 Downgradient																					
Sample Date		**12/8/16**	**2/23/17**	**3/29/17**	**5/2/17**	**6/21/17**	**7/26/17**	**8/30/17**	**10/11/17**	**4/4/18**	**10/30/18**	**4/9/19**	**10/22/19**	**4/28/20**	**10/20/20**	**4/13/21**	**10/20/21**	**4/13/22**	**10/25/22**	**04/19/23**	**10/17/23**	**02/14/24**	**04/10/24**	**10/08/24**
Task		**Event 1**	**Event 2**	**Event 3**	**Event 4**	**Event 5**	**Event 6**	**Event 7**	**Event 8**	**Event 9**	**Event 10**	**Event 11**	**Event 12**	**Event 13**	**Event 14**	**Event 15**	**Event 16**	**Event 17**	**Event 18**	**Event 19**	**Event 20**	**Event 20R**	**Event 21**	**Event 22**
Constituents	**Unit**	**Dec 2016**	**Feb 2017**	**Mar 2017**	**May 2017**	**Jun 2017**	**Jul 2017**	**Aug 2017**	**Oct 2017**	**Apr 2018**	**Oct 2018**	**Apr 2019**	**Oct 2019**	**April 2020**	**Oct 2020**	**Apr 2021**	**Oct 2021**	**Apr 2022**	**Oct 2022**	**Apr 2023**	**Oct 2023**	**Feb 2024**	**Apr 2024**	**Oct 2024**
Appendix III - Detection Monitoring																								
Boron	mg/L	1.50	1.38	1.55	1.54	1.47	1.45	1.36	1.45	1.60	1.61	1.42	1.36	1.43	1.47	1.71	1.78	1.68	1.59	1.72	1.89	1.93	2.02	1.89
Calcium	mg/L	134	105	156	--	94.1	97.0	99.0	113	113	111 D	116	123 D	114 J	117	156	127	115	125	140	148	--	156	148.0
Chloride	mg/L	383 D	336 D	315 D	322	335 D	329 X	341	313	361	350	354	342	381	359	472	418	403 JH	424	450	487	--	451	487
Fluoride	mg/L	0.230	0.377	0.408	0.547 JH	0.339	0.385 J	0.412	0.0360 U	0.392 J	0.265 J	0.270 J	0.352 J	0.428	0.018 U	0.291	0.880 U	0.263	0.018 U	0.345	0.307	--	0.452	0.307
Sulfate	mg/L	283 D	267 D	238 D	241	236 D	234 X	227	214	249	236	224	213	244	224	279	312	274	296	312	344	--	378	344
pH - Field Collected	SU	6.80	6.63	6.54	6.56	6.67	6.69	6.62	6.50	6.67	6.65	6.60	5.60	6.67	6.60	6.63	6.60	6.82	6.72	6.52	6.67	--	6.35	6.67
Total dissolved solids	mg/L	1390	1250	1160	1180	1150	1220	1150	1140	1160	1140	1150	1250	1160	1320	1520	1560	1330	1640	1580	1600	--	1680	1600
Appendix IV - Assessment Monitoring																								
Antimony	mg/L	0.00120 U	0.000240 U	0.000240 U	0.000240 U	0.000240 U	0.000240 U	0.000240 U	0.000240 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Arsenic	mg/L	0.00123 U	0.000284 J	0.000266 J	0.000274 J	0.000276 J	0.000246 U	0.000246 U	0.000246 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Barium	mg/L	0.0692	0.0633	0.0633	0.0623	0.0597	0.0638	0.0541	0.0617	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Beryllium	mg/L	0.000654 U	0.000131 U	0.000131 U	0.000131 U	0.000131 U	0.000131 U	0.000131 U	0.000131 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cadmium	mg/L	0.000734 U	0.000147 U	0.000147 U	0.000147 U	0.000147 U	0.000147 U	0.000147 U	0.000147 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chromium	mg/L	0.00262 U	0.000701 J	0.000525 U	0.000525 U	0.000525 U	0.000557 J	0.000906 J	0.000525 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cobalt	mg/L	0.000356 J	0.000140 J	0.000135 J	0.000165 J	0.000137 J	0.000150 J	0.000163 J	0.0000699 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoride	mg/L	0.230	0.377	0.408	0.547 JH	0.339	0.385 J	0.412	0.0360 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lead	mg/L	0.000758 U	0.000152 U	0.000152 U	0.000152 U	0.000152 U	0.000152 U	0.000152 U	0.000152 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lithium	mg/L	0.0279	0.0816	0.000476 U	--	0.0931	0.104	0.125	0.109	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Mercury	mg/L	0.0000263 U	0.0000780 J	0.0000263 U	0.0000263 U	0.0000263 U	0.0000263 U	0.0000470 JX	0.0000263 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Molybdenum	mg/L	0.00128 U	0.000290 J	0.000255 U	0.000255 U	0.000255 U	0.000255 U	0.000255 U	0.000255 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Selenium	mg/L	0.00227 U	0.000454 U	0.000454 U	0.000454 U	0.000454 U	0.000454 U	0.000454 U	0.000454 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Thallium	mg/L	0.00166 U	0.000332 U	0.000332 U	0.000332 U	0.000332 U	0.000332 U	0.000332 U	0.000332 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226	pCi/L	0.306 ± 0.261	0.909 ± 0.363	0.117 ± 0.211 U	0.519 ± 0.221	0.558 ± 0.232	0.385 ± 0.244	2.76 ± 0.582	0.451 ± 0.270	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-228	pCi/L	1.09 ± 1.24	2.33 ± 1.13	1.81 ± 1.61	0.906 ± 1.02	-0.0622 ± 0.583	1.9 ± 1.24	1.44 ± 0.713	0.919 ± 0.853	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226/228 Combined	pCi/L	1.396 ± 1.501	3.239 ± 1.493	1.927 ± 1.821	1.425 ± 1.241	0.4958 ± 0.815	2.285 ± 1.484	4.2 ± 1.295	1.37 ± 1.123	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

NOTES:
mg/L: Milligrams per Liter
SU: Standard Units
pCi/L: Picocuries per Liter
-- : Laboratory did not analyze sample for indicated constituent.
D: Sample diluted due to targets detected over highest point of calibration curve or due to matrix interference.
H: Bias in sample result likely to be high.
L: Bias in sample result likely to be low.
J: Analyte detected above method (sample) detection limit but below method quantitation limit.
NR: Analysis of this constituent not required for detection monitoring.
U: Analyte not detected at laboratory reporting limit (Sample Detection Limit).
X: Matrix Spike/Matrix Spike Duplicate recoveries were found to be outside of the laboratory control limits.

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
SRH Pond

		JKS-54 Downgradient																					
Sample Date		**12/8/16**	**2/23/17**	**3/28/17**	**5/2/17**	**6/21/17**	**7/26/17**	**8/30/17**	**10/11/17**	**4/5/18**	**10/30/18**	**4/9/19**	**10/22/19**	**4/28/20**	**8/24/20**	**10/20/20**	**4/13/21**	**10/20/21**	**4/13/22**	**10/25/22**	**4/19/23**	**10/17/23**	**4/10/24**	**10/08/24**
Task		**Event 1**	**Event 2**	**Event 3**	**Event 4**	**Event 5**	**Event 6**	**Event 7**	**Event 8**	**Event 9**	**Event 10**	**Event 11**	**Event 12**	**Event 13**	**Event 13R**	**Event 14**	**Event 15**	**Event 16**	**Event 17**	**Event 18**	**Event 19**	**Event 20**	**Event 21**	**Event 22**
Constituents	**Unit**	**Dec 2016**	**Feb 2017**	**Mar 2017**	**May 2017**	**Jun 2017**	**Jul 2017**	**Aug 2017**	**Oct 2017**	**Apr 2018**	**Oct 2018**	**Apr 2019**	**Oct 2019**	**April 2020**	**Aug 2020**	**Oct 2020**	**Apr 2021**	**Oct 2021**	**Apr 2022**	**Oct 2022**	**Apr 2023**	**Oct 2023**	**Apr 2024**	**Oct 2024**
Appendix III - Detection Monitoring																								
Boron	mg/L	1.24	1.16	1.35	1.26	1.14	1.26	1.16	1.28	1.26	1.30	1.38	1.50	1.23	--	1.31	1.22	1.21	1.16	1.24	1.07	1.22	1.24	1.22
Calcium	mg/L	114	106	160	--	103	102	95.8	113	111	98.2 D	117	117 D	118 J	--	129	148	135	149	130	144	130	147	130.0
Chloride	mg/L	345 D	350 D	353 D	344	355 D	354 D	339 D	328	382	356	385	368	380	--	383	385	401	472	448	440 JH	419	425	419
Fluoride	mg/L	0.718	0.731	0.655 JH	0.850 JH	0.623	0.728	0.0960 U	0.661	0.742	0.643	0.711	0.773	0.861	0.579	0.455 J	0.628	0.880 U	0.473	0.779	0.635	0.646	0.620	0.646
Sulfate	mg/L	308 D	312 D	315 D	312	304 D	305 D	298 D	287	309	283	309	341 D	443	425	398	434	438	446	403	437	383	438	383
pH - Field Collected	SU	6.98	6.78	6.92	6.89	6.88	6.91	6.79	6.69	6.86	6.85	6.75	5.60	6.76	6.67	6.74	6.72	6.64	6.84	6.77	6.6	6.76	6.7	6.76
Total dissolved solids	mg/L	1370	1430	1310	1310	1410	1320	1360	1500	1230	1240	1470	1470	1570	--	1530	1650	1690	1680	1680	1570	1610	1580	1610
Appendix IV - Assessment Monitoring																								
Antimony	mg/L	0.00120 U	0.000240 U	0.000240 U	0.000240 U	0.000240 U	0.000240 U	0.000240 U	0.000240 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Arsenic	mg/L	0.00123 U	0.000369 J	0.000898 J	0.000351 J	0.000354 J	0.000484 J	0.000324 J	0.000246 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Barium	mg/L	0.0631	0.0564	0.0611	0.0537	0.0543	0.0593	0.0471	0.0558	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Beryllium	mg/L	0.000654 U	0.000131 U	0.000131 U	0.000131 U	0.000162 J	0.000131 U	0.000131 U	0.000131 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cadmium	mg/L	0.000734 U	0.000147 U	0.000147 U	0.000147 U	0.000147 U	0.000147 U	0.000147 U	0.000147 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chromium	mg/L	0.00262 U	0.000657 J	0.00186 J	0.000525 U	0.000525 U	0.000693 J	0.000765 J	0.000525 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cobalt	mg/L	0.000420 J	0.000212 J	0.00199 J	0.000253 J	0.000260 J	0.000532 J	0.000334 J	0.0000699 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoride	mg/L	0.718	0.731	0.655 JH	0.850 JH	0.623	0.728	0.0960 U	0.661	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lead	mg/L	0.000758 U	0.000152 U	0.000862 J	0.000152 U	0.000152 U	0.000241 J	0.000152 U	0.000152 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lithium	mg/L	0.000476 U	0.0452	0.00238 U	--	0.0595	0.0599	0.0712	0.0608	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Mercury	mg/L	0.0000263 U	0.0000620 J	0.0000263 U	0.0000263 U	0.0000263 U	0.0000263 U	0.0000263 U	0.0000263 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Molybdenum	mg/L	0.00128 U	0.000447 J	0.000367 J	0.000377 J	0.000342 J	0.000352 J	0.000260 J	0.000255 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Selenium	mg/L	0.00227 U	0.000454 U	0.000454 U	0.000454 U	0.000454 U	0.000454 U	0.000454 U	0.000454 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Thallium	mg/L	0.00166 U	0.000332 U	0.000332 U	0.000332 U	0.000332 U	0.000332 U	0.000332 U	0.000332 U	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226	pCi/L	0.88 ± 0.339	0.878 ± 0.358	0.546 ± 0.213	0.217 ± 0.217	0.433 ± 0.249	0.313 ± 0.254	0.926 ± 0.324	0.42 ± 0.205	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-228	pCi/L	1.12 ± 1.11	1.94 ± 1.01	0.429 ± 0.781	0.574 ± 1.41	0.451 ± 0.660	0.766 ± 1.29	1.48 ± 0.968	1.17 ± 0.827	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Radium-226/228 Combined	pCi/L	2 ± 1.449	2.818 ± 1.368	0.975 ± 0.994	0.791 ± 1.627	0.884 ± 0.909	1.079 ± 1.544	2.406 ± 1.292	1.59 ± 1.032	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

NOTES:
mg/L: Milligrams per Liter
SU: Standard Units
pCi/L: Picocuries per Liter
-- : Laboratory did not analyze sample for indicated constituent.
D: Sample diluted due to targets detected over highest point of calibration curve or due to matrix interference.
H: Bias in sample result likely to be high.
L: Bias in sample result likely to be low.
J: Analyte detected above method (sample) detection limit but below method quantitation limit.
NR: Analysis of this constituent not required for detection monitoring.
U: Analyte not detected at laboratory reporting limit (Sample Detection Limit).
X: Matrix Spike/Matrix Spike Duplicate recoveries were found to be outside of the laboratory control limits.

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
SRH Pond

		JKS-70 Upgradient								
Sample Date		**10/25/22**	**2/22/23**	**04/19/23**	**08/23/23**	**10/18/23**	**02/14/24**	**04/09/24**	**08/21/24**	**10/08/24**
Task		**Event 1**	**Event 2**	**Event 3**	**Event 4**	**Event 5**	**Event 6**	**Event 7**	**Event 8**	**Event 9**
Constituents	**Unit**	**Oct 2022**	**Feb 2023**	**Apr 2023**	**Aug 2023**	**Oct 2023**	**Feb 2024**	**Apr 2024**	**Aug 2024**	**Oct 2024**
Appendix III - Detection Monitoring										
Boron	mg/L	0.316	0.256	0.233	0.269	0.243	0.293	0.266	0.288	0.281
Calcium	mg/L	47.7	69.4	67.2	62.8	71.7	100	61.8	54.7	60.0
Chloride	mg/L	116	119	102 JH	111	115	102	137	104	103
Fluoride	mg/L	0.250	0.800	0.617	0.668	0.642	0.626	0.750	0.770	0.676
Sulfate	mg/L	83.3	24.2 J	32.4	41.8	0.56 U	29.5	39.1	39.9	32.3
pH - Field Collected	SU	7.16	6.82	6.79	7.43	6.68	6.25	6.80	6.40	6.96
Total dissolved solids	mg/L	912	692	619	668	635	660	644	632	510
Appendix IV - Assessment Monitoring										
Antimony	mg/L	NR	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	NR
Arsenic	mg/L	NR	0.005 J	0.006 JH	0.0009 J	0.008 J	0.007 J	0.005 J	0.002 J	NR
Barium	mg/L	NR	0.053	0.048	0.056	0.05	0.053	0.059	0.064	NR
Beryllium	mg/L	NR	0.0003 U	0.0003 U	0.0003 U	0.0007 J	0.0009 J	0.0003 U	0.0003 U	NR
Cadmium	mg/L	NR	0.0003 J	0.0003 U	0.0008 J	0.001 JH	0.002 J	0.0003 U	0.0004 J	NR
Chromium	mg/L	NR	0.0004 UJ	0.0006 J	0.0008 J	0.0004 J	0.006 J	0.001 J	0.001 J	NR
Cobalt	mg/L	NR	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.006 J	0.341	0.0003 U	NR
Fluoride	mg/L	NR	0.80	0.617	0.668	0.642	0.626	0.750	0.770	NR
Lead	mg/L	NR	0.004 J	0.003 J	0.009 J	0.011	0.014	0.009 J	0.002 JH	NR
Lithium	mg/L	NR	0.015 J	0.021 J	--	0.022 J	0.029 J	0.063	0.041 J	NR
Mercury	mg/L	NR	0.0002 J	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	NR
Molybdenum	mg/L	NR	0.005 J	0.005 J	0.005 J	0.003 J	0.003 J	0.004 J	0.004 J	NR
Selenium	mg/L	NR	0.008 J	0.006 J	0.004 J	0.004 JH	0.002 U	0.002 U	0.006 J	NR
Thallium	mg/L	NR	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009 U	NR
Radium-226	pCi/L	NR	0.456 ± 0.148 JL	0.263 ± 0.120 JL	0.242 ± 0.128 JL	0.361 ± 0.136	0.346 ± 0.148	0.439 ± 0.168	0.744 ± 0.278 JL	NR
Radium-228	pCi/L	NR	1.32 ± 0.537 JL	0.860 ± 0.434	1.76 ± 0.538 JL	0.723 ± 0.443	0.572 ± 0.413 U	0.747 ± 0.326	0.613 ± 0.417 UJL	NR
Radium-226/228 Combined	pCi/L	NR	1.776 ± 0.685	1.12 ± 0.451 JL	2.00 ± 0.553 JL	1.08 ± 0.463	0.917 ± 0.439	1.19 ± 0.367	1.36 ± 0.501 JL	NR

NOTES:
mg/L: Milligrams per Liter
SU: Standard Units
pCi/L: Picocuries per Liter
-- : Laboratory did not analyze sample for indicated constituent.
D: Sample diluted due to targets detected over highest point of calibration curve or due to matrix interference.
H: Bias in sample result likely to be high.
L: Bias in sample result likely to be low.
J: Analyte detected above method (sample) detection limit but below method quantitation limit.
NR: Analysis of this constituent not required for detection monitoring.
U: Analyte not detected at laboratory reporting limit (Sample Detection Limit).
X: Matrix Spike/Matrix Spike Duplicate recoveries were found to be outside of the laboratory control limits.

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
Plant Drains Ponds

		JKS-65 Downgradient										
	Sample Date	**10/21/20**	**04/13/21**	**10/19/21**	**04/13/22**	**10/26/22**	**02/22/23**	**04/18/23**	**08/23/23**	**10/18/23**	**04/10/24**	**10/08/24**
	Task	**Event 1**	**Event 2**	**Event 3**	**Event 4**	**Event 5**	**Event 6**	**Event 7**	**Event 8**	**Event 9**	**Event 10**	**Event 11**
Constituents	**Unit**	**Oct 2020**	**Apr 2021**	**Oct 2021**	**Apr 2022**	**Oct 2022**	**Feb 2023**	**Apr 2023**	**Aug 2023**	**Oct 2023**	**Apr 2024**	**Oct 2024**
Appendix III - Detection Monitoring												
Boron	mg/L	0.276	0.271	0.280	0.254	0.261	0.283	0.252	0.306	0.273	0.308	0.320
Calcium	mg/L	39.0	25.2	23.8	22.9	24.6	23.2	22.3	23.6	21.3	21.0	13.5
Chloride	mg/L	140	119	110	115	115	112	111 JH	20.7	114	115	68.7
Fluoride	mg/L	0.495	0.578	0.018 U	0.951	0.613	0.782	0.549	0.584	0.600	0.595	0.647
Sulfate	mg/L	82.0	68.5	68.4	63.8	62.2	60.0 J	57.2	11.00	62.2	62.5	52.8
pH - Field Collected	SU	6.74	6.47	6.48	6.51	6.39	6.52	6.56	6.55	7.06	6.46	6.21
Total dissolved solids	mg/L	727	579	575	603	609	572	600	533	524	517	312
Appendix IV - Assessment Monitoring												
Antimony	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	NR	NR
Arsenic	mg/L	0.003 J	0.002 J	0.002 J	0.002 U	0.002 U	0.001 J	0.0008 J	0.0006 U	0.002 J	NR	NR
Barium	mg/L	0.033	0.026	0.027	0.025	0.24	0.025	0.025	0.028	0.027	NR	NR
Beryllium	mg/L	0.0003 U	0.0003 U	0.0003 U	0.0003 J	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U	NR	NR
Cadmium	mg/L	0.0003 J	0.0003 J	0.0004 J	0.0005 J	0.0003 J	0.0003 U	0.0003 U	0.0006 J	0.0003 U	NR	NR
Chromium	mg/L	0.001 J	0.001 J	0.053	0.006 J	0.002 J	0.002 J	0.002 J	0.003 J	0.002 J	NR	NR
Cobalt	mg/L	0.0003 U	0.0003 U	0.0003 J	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U	NR	NR
Fluoride	mg/L	0.495	0.578	0.018 U	0.951	0.613	0.782	0.549	0.584	0.600	NR	NR
Lead	mg/L	0.004 J	0.006 J	0.007 J	0.006 J	0.004 J	0.003 J	0.002 J	0.007 J	0.002 J	NR	NR
Lithium	mg/L	0.046 J	0.063	0.054	0.055	0.064	0.055	0.060	--	0.046 J	NR	NR
Mercury	mg/L	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	NR	NR
Molybdenum	mg/L	0.002 U	0.002 U	0.005 J	0.002 U	0.002 U	0.0008 J	0.0003 U	0.0004 J	0.0003 U	NR	NR
Selenium	mg/L	0.017	0.015	0.014	0.010 J	0.011	0.013	0.010 J	0.011	0.007 J	NR	NR
Thallium	mg/L	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009 U	NR	NR
Radium-226	pCi/L	0.422 ± 0.213	0.296 ± 0.128	0.364 ± 0.280	0.0995 ± 0.108	0.301 ± 0.114	0.370 ± 0.113 JL	0.229 ± 0.109 JL	0.405 ± 0.151 JL	0.336 ± 0.138	NR	NR
Radium-228	pCi/L	1.77 ± 0.366	0.457 ± 0.269	0.331 ± 0.322	1.13 ± 0.395	1.49 ± 0.494	0.697 ± 0.446 JL	0.867 ± 0.427 J	1.52 ± 0.563 JL	1.26 ± 0.524	NR	NR
Radium-226/228 Combined	pCi/L	2.19 ± 0.423	0.753 ± 0.298	0.695 ± 0.497	1.23 ± 0.409	1.791 ± 0.608	1.067 ± 0.559	1.10 ± 0.441 JL	1.93 ± 0.583 JL	1.60 ± 0.542	NR	NR

NOTES:
mg/L: Milligrams per Liter
SU: Standard Units
pCi/L: Picocuries per Liter
J: Analyte detected above method (sample) detection limit but below method quantitation limit.
L: Bias in sample result likely to be low.
H: Bias in sample result likely to be high.
-- : Laboratory did not analyze sample for indicated constituent.
NR: Analysis of this constituent not required for detection monitoring.
U: Analyte not detected at laboratory reporting limit (RL).

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
Plant Drains Ponds

		JKS-66 Upgradient										
	Sample Date	**10/21/20**	**04/13/21**	**10/19/21**	**04/13/22**	**10/26/22**	**02/22/23**	**04/19/23**	**08/23/23**	**10/18/23**	**04/10/24**	**10/08/24**
	Task	**Event 1**	**Event 2**	**Event 3**	**Event 4**	**Event 5**	**Event 6**	**Event 7**	**Event 8**	**Event 9**	**Event 10**	**Event 11**
Constituents	**Unit**	**Oct 2020**	**Apr 2021**	**Oct 2021**	**Apr 2022**	**Oct 2022**	**Feb 2023**	**Apr 2023**	**Aug 2023**	**Oct 2023**	**Apr 2024**	**Oct 2024**
Appendix III - Detection Monitoring												
Boron	mg/L	0.586	0.524	0.589	0.487	0.442	0.458	0.422	0.429	0.389	0.373	0.436
Calcium	mg/L	44.0	42.0	42.5	39.5	39.2	37.4	35.3	36.9	35.1	40.3	38.4
Chloride	mg/L	22.3	26.2	24.2	21.7	22.9	22.3	17.7 JH	20.3	20	25.7	24.5
Fluoride	mg/L	0.128	0.131	0.176 U	0.202	0.345	0.018 U	0.106	0.096	0.101	0.104	0.114
Sulfate	mg/L	62.0	72.0	76.2	73.2	75.2	71.0 J	70.2	83.1	82.9	89.8	68.4
pH - Field Collected	SU	6.41	6.16	6.22	6.22	5.84	6.24	6.14	6.16	6.11	6.04	5.61
Total dissolved solids	mg/L	355	352	371	398	366	354	363	314	397	320	260
Appendix IV - Assessment Monitoring												
Antimony	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	NR	NR
Arsenic	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.0009 J	0.0008 J	0.0006 U	0.002 J	NR	NR
Barium	mg/L	0.060	0.065	0.071	0.070	0.063	0.062	0.058	0.062	0.058	NR	NR
Beryllium	mg/L	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U	NR	NR
Cadmium	mg/L	0.0003 J	0.0003 J	0.0004 J	0.0004 J	0.0003 J	0.0003 J	0.0003 U	0.0006 J	0.0004 J	NR	NR
Chromium	mg/L	0.001	0.002 J	0.006 J	0.043	0.004 J	0.003 J	0.003 J	0.002 J	0.002 J	NR	NR
Cobalt	mg/L	0.002	0.0003 U	0.0003 U	0.002 J	0.0003 U	0.0003 U	0.0003 J	0.0003 U	0.0003 U	NR	NR
Fluoride	mg/L	0.003	0.131	0.176 U	0.202	0.345	0.018 U	0.106	0.096	0.101	NR	NR
Lead	mg/L	0.002 J	0.004 J	0.005 J	0.004 J	0.003 J	0.002 J	0.002 J	0.006 J	0.003 J	NR	NR
Lithium	mg/L	0.023 J	0.033 J	0.027 J	0.033 J	0.026 J	0.029 J	0.041	--	0.026 J	NR	NR
Mercury	mg/L	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	NR	NR
Molybdenum	mg/L	0.002 U	0.002 U	0.002 J	0.003 J	0.002 J	0.0003 J	0.0003 U	0.0003 U	0.0003 J	NR	NR
Selenium	mg/L	0.005 J	0.004 J	0.005 J	0.003 J	0.004 J	0.005 JU	0.003 J	0.006 U	0.004 J	NR	NR
Thallium	mg/L	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009 U	NR	NR
Radium-226	pCi/L	0.457 ± 0.215	0.475 ± 0.159	2.58 ± 0.540	0.0748 ± 0.235	0.428 ± 0.146	0.322 ± 0.139 JL	0.414 ± 0.211 JL	0.252 ± 0.135 JL	0.210 ± 0.0992	NR	NR
Radium-228	pCi/L	1.76 ± 0.336	0.403 ± 0.264	4.40 ± 0.699	1.04 ± 0.697	2.65 ± 0.633	1.47 ± 0.727 JL	2.14 ± 0.849 J	0.107 U ± 0.455 UJL	1.52 ± 0.467	NR	NR
Radium-226/228 Combined	pCi/L	2.22 ± 0.399	0.877 ± 0.308	6.98 ± 0.883	1.12 ± 0.736	3.08 ± 0.650	1.79 ± 0.866	2.56 ± 0.875 JL	0.359 U ± 0.475 UJL	1.73 ± 0.477	NR	NR

NOTES:
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pCi/L: Picocuries per Liter
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L: Bias in sample result likely to be low.
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-- : Laboratory did not analyze sample for indicated constituent.
NR: Analysis of this constituent not required for detection monitoring.
U: Analyte not detected at laboratory reporting limit (RL).

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
Plant Drains Ponds

		JKS-67 Downgradient											
	Sample Date	10/21/20	04/13/21	10/19/21	04/13/22	10/25/22	02/22/23	04/18/23	08/23/23	10/18/23	02/13/24	04/10/24	10/08/24
	Task	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 9R	Event 10	Event 11
Constituents	**Unit**	**Oct 2020**	**Apr 2021**	**Oct 2021**	**Apr 2022**	**Oct 2022**	**Feb 2023**	**Apr 2023**	**Aug 2023**	**Oct 2023**	**Feb 2024**	**Apr 2024**	**Oct 2024**
Appendix III - Detection Monitoring													
Boron	mg/L	0.503	0.460	0.538	0.472	0.474	0.495	0.473	0.510	0.478	--	0.536	0.505
Calcium	mg/L	59.7	56.9	52.2	51.6	55.7	50.8	52.3	56.4	53.2	--	54.4	56.9
Chloride	mg/L	64.4	64.6	49.9	59.3	54.3	40.5	54 JH	64.9	69.9	57.9	54.7	65.2
Fluoride	mg/L	0.267	0.307	0.018 U	0.478	0.404	0.284	0.309	0.303	0.296	--	0.272	0.294
Sulfate	mg/L	61.6	56.6	55.5	58.2	51.0	52.2 J	51.8	58.0	60.9	--	48.5	58.1
pH - Field Collected	SU	7.00	6.78	6.73	6.82	6.89	6.74	6.81	6.81	6.65	--	6.76	6.85
Total dissolved solids	mg/L	516	539	529	560	605	596	540	511	516	--	513	512
Appendix IV - Assessment Monitoring													
Antimony	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	NR	NR	NR
Arsenic	mg/L	0.002 U	0.002 J	0.002 U	0.002 U	0.002 U	0.0006 U	0.0006 U	0.0006 U	0.0006 J	NR	NR	NR
Barium	mg/L	0.068	0.068	0.079	0.074	0.068	0.070	0.069	0.076	0.068	NR	NR	NR
Beryllium	mg/L	0.0003 U	0.0003 U	0.0003 U	0.0003 J	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U	NR	NR	NR
Cadmium	mg/L	0.0003 J	0.0003 U	0.0004 J	0.0005 J	0.0003 U	0.0003 J	0.0003 U	0.0005 J	0.0003 U	NR	NR	NR
Chromium	mg/L	0.001 J	0.001 U	0.001 J	0.001 J	0.001 U	0.001 UJ	0.001 J	0.001 J	0.0009 J	NR	NR	NR
Cobalt	mg/L	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U	NR	NR	NR
Fluoride	mg/L	0.267	0.307	0.018 U	0.478	0.404	0.284	0.309	0.303	0.296	NR	NR	NR
Lead	mg/L	0.003 J	0.002 J	0.004 J	0.003 J	0.002 J	0.002 J	0.002 J	0.004 J	0.002 J	NR	NR	NR
Lithium	mg/L	0.050 U	0.022 J	0.016 J	0.050 U	0.050 U	0.018 J	0.034	--	0.020 J	NR	NR	NR
Mercury	mg/L	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	NR	NR	NR
Molybdenum	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.0003 U	0.0003 U	0.0003 U	0.0005 J	NR	NR	NR
Selenium	mg/L	0.005 J	0.008 J	0.003 J	0.002 U	0.002 J	0.007 J	0.004 J	0.005 J	0.003 J	NR	NR	NR
Thallium	mg/L	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009 U	NR	NR	NR
Radium-226	pCi/L	0.325 ± 0.186	0.208 ± 0.111	0.253 ± 0.177	0.127 ± 0.113	0.155U ± 0.889	0.111 ± 0.0727 JL	0.216 ± 0.124 JL	0.128 ± 0.0929 JL	0.127 ± 0.101	NR	NR	NR
Radium-228	pCi/L	0.711 ± 0.313	0.190 ± 0.241	0.280 ± 0.223	0.252 ± 0.281	0.905 ± 0.445	0.290U ± 0.338 UJL	-0.00871 ± 0.266 UJL	0.665 ± 0.433 JL	0.978 ± 0.359	NR	NR	NR
Radium-226/228 Combined	pCi/L	1.04 ± 0.364	0.399±0.265	0.533±0.285	0.378 ± 0.303	0.905 ± 1.334	0.401 ± 0.411	0.207U ± 0.293 JL	0.793 ± 0.443 JL	1.11 ± 0.373	NR	NR	NR

NOTES:
mg/L: Milligrams per Liter
SU: Standard Units
pCi/L: Picocuries per Liter
J: Analyte detected above method (sample) detection limit but below method quantitation limit.
L: Bias in sample result likely to be low.
H: Bias in sample result likely to be high.
-- : Laboratory did not analyze sample for indicated constituent.
NR: Analysis of this constituent not required for detection monitoring.
U: Analyte not detected at laboratory reporting limit (RL).

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
Plant Drains Ponds

		JKS-68 Downgradient									
	Sample Date	10/26/22	02/22/23	04/18/23	08/23/23	10/18/23	02/13/24	04/10/24	08/21/24	10/08/24	02/12/25
	Task	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8	Event 9	Event 9R
Constituents	**Unit**	**Oct 2022**	**Feb 2023**	**Apr 2023**	**Aug 2023**	**Oct 2023**	**Feb 2024**	**Apr 2024**	**August 2024**	**Oct 2024**	**Feb 2025**
Appendix III - Detection Monitoring											
Boron	mg/L	1.46	1.43	1.29	1.46	1.41	1.18	1.42	1.46	1.54	1.36
Calcium	mg/L	289	261	244	254	243	165	221	229	220	---
Chloride	mg/L	985	1000	861 JH	943	1090	613	924	928	868	---
Fluoride	mg/L	0.917	0.892	0.864	0.912	0.018 U	0.998	1.01	0.986	0.991	---
Sulfate	mg/L	1540	1480 J	1290	1320	1500	734	1070	1150	1030	---
pH - Field Collected	SU	6.49	6.78	6.92	6.84	6.74	6.72	6.98	6.38	6.99	7.58
Total dissolved solids	mg/L	4590	4270	4080	3880	3660	2870	3300	3480	3160	---
Appendix IV - Assessment Monitoring											
Antimony	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	NR	NR
Arsenic	mg/L	0.002 U	0.0006 U	0.002 J	0.0006 U	0.002 J	0.001 J	0.0006 U	0.0006 U	NR	NR
Barium	mg/L	0.038	0.032	0.029	0.031	0.030	0.073	0.043	0.037	NR	NR
Beryllium	mg/L	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U	NR	NR
Cadmium	mg/L	0.001 J	0.001 J	0.0008 J	0.0009 J	0.0006 J	0.0005 J	0.0003 U	0.001 J	NR	NR
Chromium	mg/L	0.002 J	0.002 J	0.002 J	0.002 J	0.002 J	0.003 J	0.003 J	0.001 J	NR	NR
Cobalt	mg/L	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.335	0.0003 U	NR	NR
Fluoride	mg/L	0.917	0.892	0.864	0.912	0.018 U	0.998	1.01	0.986	NR	NR
Lead	mg/L	0.003 J	0.003 J	0.002 J	0.004 J	0.003 J	0.007 J	0.006 J	0.002 J*H*	NR	NR
Lithium	mg/L	0.050 U	0.095	0.15 U	--	0.15 J	0.12	0.22	0.085 J	NR	NR
Mercury	mg/L	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	NR	NR
Molybdenum	mg/L	0.002 U	0.0009 J	0.0005 J	0.0009 J	0.001 J	0.007 J	0.002 J	0.001 J	NR	NR
Selenium	mg/L	0.045	0.046	0.039	0.043	0.046	0.025	0.042	0.47	NR	NR
Thallium	mg/L	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009	0.0009 U	0.0009 U	NR	NR
Radium-226	pCi/L	0.143U ± 0.115	0.227 ± 0.0920 JL	0.108 ± 0.0940 UJL	0.215 ± 0.116 JL	0.213 ± 0.0991	0.327 ± 0.143	0.243 ± 0.139	0.165 ± 0.139 U*JL*	NR	NR
Radium-228	pCi/L	0.885 ± 0.509	0.922 ± 0.409 JL	1.41 ± 0.479 J	1.11 ± 0.444 JL	0.562 ± 0.339	0.822 ± 0.502	0.678 ± 0.375	1.51 ± 0.753 *JL*	NR	NR
Radium-226/228 Combined	pCi/L	0.885 ± 0.624	1.149 ± 0.501	1.51 ± 0.488 JL	1.32 ± 0.459 JL	0.775 ± 0.353	1.15 ± 0.522	0.921 ± 0.400	1.68 ± 0.766 *JL*	NR	NR

NOTES:
mg/L: Milligrams per Liter
SU: Standard Units
pCi/L: Picocuries per Liter
J: Analyte detected above method (sample) detection limit but below method quantitation limit.
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-- : Laboratory did not analyze sample for indicated constituent.
NR: Analysis of this constituent not required for detection monitoring.
U: Analyte not detected at laboratory reporting limit (RL).

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
Plant Drains Ponds

		JKS-69 Downgradient								
	Sample Date	**10/26/22**	**02/22/23**	**04/18/23**	**08/23/23**	**10/18/23**	**02/13/24**	**04/10/24**	**08/21/24**	**10/08/24**
	Task	**Event 1**	**Event 2**	**Event 3**	**Event 4**	**Event 5**	**Event 6**	**Event 7**	**Event 8**	**Event 9**
Constituents	**Unit**	**Oct 2022**	**Feb 2023**	**Apr 2023**	**Aug 2023**	**Oct 2023**	**Feb 2024**	**Apr 2024**	**Aug 2024**	**Oct 2024**
Appendix III - Detection Monitoring										
Boron	mg/L	0.336	0.338	0.332	0.351	0.316	0.297	0.304	0.284	0.287
Calcium	mg/L	93.6	91.9	90.4	110	92.8	111	118	112	107
Chloride	mg/L	322	405	377 JH	423	412	400	433	421	373
Fluoride	mg/L	0.018 U	0.018 U	0.708	0.018 U	0.636	0.656	0.641	0.672	0.661
Sulfate	mg/L	281	293 J	275	321	335	303	304	330	288
pH - Field Collected	SU	6.30	6.51	6.53	6.47	6.39	6.17	6.49	6.15	6.53
Total dissolved solids	mg/L	1360	1530	1470	1620	1500	1770	1660	1510	1520
Appendix IV - Assessment Monitoring										
Antimony	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 J	0.002 U	0.002 U	0.002 U	NR
Arsenic	mg/L	0.002 U	0.001 J	0.0006 U	0.0006 U	0.003 J	0.0007 J	0.0006 U	0.0006 U	NR
Barium	mg/L	0.099	0.105	0.102	0.133	0.103	0.128	0.134	0.134	NR
Beryllium	mg/L	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U	NR
Cadmium	mg/L	0.0006 J	0.0005 J	0.0004 J	0.0009 J	0.0003 J	0.0005 J	0.0003 U	0.0008 J	NR
Chromium	mg/L	0.002 J	0.002 J	0.002 J	0.002 J	0.002 J	0.0006 J	0.002 J	0.002 J	NR
Cobalt	mg/L	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.339	0.0003 U	NR
Fluoride	mg/L	0.018 U	0.018 UJ	0.708	0.018 U	0.636	0.656	0.641	0.672	NR
Lead	mg/L	0.003 J	0.003 J	0.003 J	0.008	0.004 J	0.011	0.009 J	0.003 J*H*	NR
Lithium	mg/L	0.046 J	0.054	0.094	--	0.086 J	0.090	0.13	0.05 J	NR
Mercury	mg/L	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 J	NR
Molybdenum	mg/L	0.002 U	0.0003 U	0.0003 U	0.0003 U	0.0008 J	0.0006 J	0.0003 U	0.0003 J	NR
Selenium	mg/L	0.039	0.042	0.039	0.050	0.046	0.046	0.047	0.050	NR
Thallium	mg/L	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009 U	NR
Radium-226	pCi/L	0.805 ± 0.183	0.894 ± 0.217 JL	0.834 ± 0.197 JL	0.818 ± 0.202 JL	0.831 ± 0.185	0.697 ± 0.174	0.552 ± 0.185	0.813 ± 0.310 *JL*	NR
Radium-228	pCi/L	1.66 ± 0.500	1.71 ± 0.625 JL	1.40 ± 0.475 J	1.63 ± 0.503 JL	1.57 ± 0.494	2.18 ± 0.569	1.15 ± 0.362	2.29 ± 0.582 *JL*	NR
Radium-226/228 Combined	pCi/L	2.465 ± 0.683	2.604 ± 0.842	2.23 ± 0.514 JL	2.45 ± 0.542 JL	2.40 ± 0.528	2.88 ± 0.595	1.70 ± 0.407	3.10 ± 0.659 JL	NR

NOTES:
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pCi/L: Picocuries per Liter
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L: Bias in sample result likely to be low.
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ATTACHMENT 2 LABORATORY ANALYTICAL REPORTS

May 15, 2025

Chelsey Vasbinder
CPS Energy - Environmental Dept.
P.O. Box 1771
San Antonio, TX 78296-1771

SATL Report No.: 2502229
RE: Calaveras Power Station- CCR Wells

Dear Chelsey Vasbinder

SATL received 9 Sample(s) on 02/13/2025 for analyses identified on the chain of custody. The analyses were performed using methods indicated on the laboratory report. Any deviations observed at sample receiving are notated on the Sample Receipt Checklist and/or Chain of Custody documents attached as part of this analytical report.

Sincerely,

For San Antonio Testing Laboratory, Inc.

Xavier Escobar
Business Unit Manager

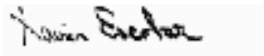
Appendix A Laboratory Data Package Cover Page

This data package consists of:

- ☑ This signature page, the laboratory review checklist, and the following reportable data:
- ☑ R1 Field chain-of-custody documentation;
- ☑ R2 Sample identification cross-reference;
- ☑ R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☑ R4 Surrogate recovery data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☑ R5 Test reports/summary forms for blank samples;
- ☑ R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- ☑ R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☑ R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ☑ R9 List of method quantitation limits (MQLs) for each analyte for each method and matrix;
- ☑ R10 Other problems or anomalies.
- ☑ The Exception Report for every "No" or "Not Reviewed (NR)" item in laboratory review checklist.

Release Statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld that would affect the quality of the data.

Aimee Landon For Marcela Gracia Hawk, President



Xavier Escobar, Business Unit Manager

05/15/25 15:31

Date/Time

Project Name:	Calaveras Power Station- CCR Wells	Reviewer Name:	JA,SJ
Laboratory Job Number:	2502229	Matrix :	

RG-366/TRRP-13 December 2002

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name:	San Antonio Testing Laboratory Inc.	LRC Date:	02/19/25 to 02/24/25
Project Name:	Calaveras Power Station- CCR Wells	Laboratory Job Number:	2502229
Reviewer Name:	JA,SJ	Prep Batch Number(s):	B508227,B508230,B508249,B509158

# [1]	A [2]	Description	Yes	No	NA [3]	NR [4]	ER# [5]
R1		**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?	X				
R2		**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3		**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample quantitation limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		If required for the project, TICs reported?			X		
R4		**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5		**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6		**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7		**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			S001
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8		**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?		X			S002
R9		**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs included in the laboratory data package?	X				
R10		**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SQL minimize the matrix interference affects on the sample results?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

RG-366/TRRP-13 December 2002

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name:	San Antonio Testing Laboratory Inc.	LRC Date:	02/19/25 to 02/24/25
Project Name:	Calaveras Power Station- CCR Wells	Laboratory Job Number:	2502229
Reviewer Name:	JA,SJ	Prep Batch Number(s):	B508227,B508230,B508249,B509158

# [1]	A [2]	Description	Yes	No	NA [3]	NR [4]	ER# [5]
S1		**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2		**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3		**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4		**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5		**Raw data (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6		**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7		**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8		**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9		**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10		**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11		**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12		**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13		**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14		**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15		**Verification/validation documentation for methods (NELAC Chap 5 or ISO/IEC 17025 Section 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16		**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

RG-366/TRRP-13 December 2002

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports			
Laboratory Name:	San Antonio Testing Laboratory Inc.	LRC Date:	02/19/25 to 02/24/25
Project Name:	Calaveras Power Station- CCR Wells	Laboratory Job Number:	2502229
Reviewer Name:	JA,SJ	Prep Batch Number(s):	B508227,B508230,B508249,B509158

ER#[1]	Description
S001	Matrix Spike Recoveries outside the QC acceptance criteria, due to matrix interferences, are flagged on the analytical report.
S002	RPD values above the acceptance limits are flagged on the analytical report

1. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

RG-366/TRRP-13 December 2002

CPS Energy - Environmental Dept.
P.O. Box 1771
San Antonio TX, 78296-1771

Project: Calaveras Power Station- CCR Wells

Project Number: [none]
Project Manager: Chelsey Vasbinder

Reported:
05/15/25 15:31
Received:
02/13/25 12:58

Notes:
This supersedes the last report (PreviousReportFileName) issued. Reason: To Include Li_T results, 05/15/25.

Report No. 2502229

SAMPLE SUMMARY

Total Samples received in this work order: **9**

Sample ID	Laboratory ID	Matrix	Sampling Method	Date Sampled	Date Received
JKS-50R-20250212-CCR	2502229-01	Liquid	Grab	02/12/25 13:05	02/13/25 12:58
JKS-52-20250212-CCR	2502229-02	Liquid	Grab	02/12/25 13:43	02/13/25 12:58
JKS-55-20250212-CCR	2502229-03	Liquid	Grab	02/12/25 11:15	02/13/25 12:58
JKS-68-20250212-CCR	2502229-04	Liquid	Grab	02/12/25 14:11	02/13/25 12:58
JKS-71-20250212-CCR	2502229-05	Liquid	Grab	02/12/25 14:45	02/13/25 12:58
JKS-72-20250212-CCR	2502229-06	Liquid	Grab	02/12/25 09:05	02/13/25 12:58
FB-001-20250212	2502229-07	Liquid	Grab	02/12/25 10:00	02/13/25 12:58
EB-001-20250212	2502229-08	Liquid	Grab	02/12/25 12:15	02/13/25 12:58
BD-001-20250212	2502229-09	Liquid	Grab	02/12/25 07:30	02/13/25 12:58

Notes

All quality control samples and checks are within acceptance limits unless otherwise indciated.
Test results pertain only to those items tested.
All samples were in good condition when received by the laboratory unless otherwise noted.

CPS Energy - Environmental Dept.
P.O. Box 1771
San Antonio TX, 78296-1771

Project: Calaveras Power Station- CCR Wells

Project Number: [none]
Project Manager: Chelsey Vasbinder

Reported:
05/15/25 15:31
Received:
02/13/25 12:58

Notes:
This supersedes the last report (PreviousReportFileName) issued. Reason: To Include Li_T results, 05/15/25.

Report No. 2502229

Sample ID #: JKS-50R-20250212-CCR **Sampling Method: Grab** **Lab Sample ID #: 2502229-01**

Sample Matrix: Liquid **Date/Time Collected: 02/12/25 13:05**

Analyte	Result	MQL	Flag	MDL	SQL[SDL]	Units	PrepMethod	Method	Analyzed	Analyst	Notes
Total Metals By ICP			***Batch ID >*** *B508227*								**P2**
Boron	5.74	0.010		0.0006	0.0006	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	

CPS Energy - Environmental Dept.
P.O. Box 1771
San Antonio TX, 78296-1771

Project: Calaveras Power Station- CCR Wells

Project Number: [none]
Project Manager: Chelsey Vasbinder

Reported:
05/15/25 15:31
Received:
02/13/25 12:58

Notes:
This supersedes the last report (PreviousReportFileName) issued. Reason: To Include Li_T results, 05/15/25.

Report No. 2502229

Sample ID #: JKS-52-20250212-CCR **Sampling Method: Grab** **Lab Sample ID #: 2502229-02**

Sample Matrix: Liquid **Date/Time Collected: 02/12/25 13:43**

Analyte	Result	MQL	Flag	MDL	SQL[SDL]	Units	PrepMethod	Method	Analyzed	Analyst	Notes
Total Metals By ICP			***Batch ID >*** *B508227*								**P2**
Boron	2.76	0.010		0.0006	0.0006	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	

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P.O. Box 1771
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Project: Calaveras Power Station- CCR Wells

Project Number: [none]
Project Manager: Chelsey Vasbinder

Reported:
05/15/25 15:31
Received:
02/13/25 12:58

Notes:
This supersedes the last report (PreviousReportFileName) issued. Reason: To Include Li_T results, 05/15/25.

Report No. 2502229

Sample ID #: JKS-55-20250212-CCR **Sampling Method: Grab** **Lab Sample ID #: 2502229-03**

Sample Matrix: Liquid **Date/Time Collected: 02/12/25 11:15**

Analyte	Result	MQL	Flag	MDL	SQL[SDL]	Units	PrepMethod	Method	Analyzed	Analyst	Notes
Total Metals By ICP			***Batch ID >*** *B508227*								**P2**
Boron	0.952	0.010		0.0006	0.0006	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	

CPS Energy - Environmental Dept.
P.O. Box 1771
San Antonio TX, 78296-1771

Project: Calaveras Power Station- CCR Wells

Project Number: [none]
Project Manager: Chelsey Vasbinder

Reported:
05/15/25 15:31
Received:
02/13/25 12:58

Notes:
This supersedes the last report (PreviousReportFileName) issued. Reason: To Include Li_T results, 05/15/25.

Report No. 2502229

Sample ID #: JKS-68-20250212-CCR **Sampling Method: Grab** **Lab Sample ID #: 2502229-04**

Sample Matrix: Liquid **Date/Time Collected: 02/12/25 14:11**

Analyte	Result	MQL	Flag	MDL	SQL[SDL]	Units	PrepMethod	Method	Analyzed	Analyst	Notes
Total Metals By ICP			***Batch ID >*** *B508227*								**P2**
Boron	1.36	0.010		0.0006	0.0006	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	

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P.O. Box 1771
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Project: Calaveras Power Station- CCR Wells

Project Number: [none]
Project Manager: Chelsey Vasbinder

Reported:
05/15/25 15:31
Received:
02/13/25 12:58

Notes:
This supersedes the last report (PreviousReportFileName) issued. Reason: To Include Li_T results, 05/15/25.

Report No. 2502229

Sample ID #: JKS-71-20250212-CCR **Sampling Method: Grab** **Lab Sample ID #: 2502229-05**

Sample Matrix: Liquid **Date/Time Collected: 02/12/25 14:45**

Analyte	Result	MQL	Flag	MDL	SQL[SDL]	Units	PrepMethod	Method	Analyzed	Analyst	Notes
General Chemistry				***Batch ID >*** *B508249*							
Total Dissolved Solids *	3600	5.00		2.50	5.00	mg/L	SM2540C	SM2540C	02/17/25	DD	
Anions by Ion Chromatography				***Batch ID >*** *B509158*							
Chloride *	344	10.0		0.052	5.19	mg/L	EPA 300.0	EPA 300.0	02/22/25	JA	
Fluoride	2.65	0.020		0.018	0.018	mg/L	EPA 300.0	EPA 300.0	02/22/25	JA	
Sulfate *	2110	10.0		0.06	5.59	mg/L	EPA 300.0	EPA 300.0	02/22/25	JA	
Total Mercury				***Batch ID >*** *B508230*							**P2**
Mercury *	< 0.0001	0.0002		0.0001	0.0001	mg/L	EPA 7470A	EPA 7470A	02/18/25	TW	
Total Metals By ICP				***Batch ID >*** *B508227*							**P2**
Arsenic	0.003	0.010	J	0.0006	0.0006	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Boron	0.893	0.010		0.0006	0.0006	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Barium	0.033	0.010		0.003	0.003	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Beryllium	0.008	0.004		0.0003	0.0003	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Calcium *	458	1.00		0.009	0.009	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Cadmium	0.008	0.005		0.0003	0.0003	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Cobalt	0.092	0.010		0.0003	0.0003	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Chromium	0.003	0.010	J	0.0003	0.0003	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Molybdenum	< 0.0003	0.010		0.0003	0.0003	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Lead *	0.004	0.010	J	0.0003	0.0003	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Antimony	< 0.002	0.010		0.002	0.002	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Selenium	< 0.002	0.010		0.002	0.002	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Thallium	< 0.0009	0.010		0.0009	0.0009	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	

CPS Energy - Environmental Dept.
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San Antonio TX, 78296-1771

Project: Calaveras Power Station- CCR Wells

Project Number: [none]
Project Manager: Chelsey Vasbinder

Reported:
05/15/25 15:31
Received:
02/13/25 12:58

Notes:
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Report No. 2502229

Sample ID #: JKS-72-20250212-CCR **Sampling Method: Grab** **Lab Sample ID #: 2502229-06**

Sample Matrix: Liquid **Date/Time Collected: 02/12/25 09:05**

Analyte	Result	MQL	Flag	MDL	SQL[SDL]	Units	PrepMethod	Method	Analyzed	Analyst	Notes
General Chemistry				***Batch ID >*** *B508249*							
Total Dissolved Solids *	3560	5.00		2.50	5.00	mg/L	SM2540C	SM2540C	02/17/25	DD	
Anions by Ion Chromatography				***Batch ID >*** *B509158*							
Chloride *	400	10.0		0.052	5.19	mg/L	EPA 300.0	EPA 300.0	02/22/25	JA	
Fluoride	0.369	0.020		0.018	0.018	mg/L	EPA 300.0	EPA 300.0	02/22/25	JA	
Sulfate *	1810	10.0		0.06	5.59	mg/L	EPA 300.0	EPA 300.0	02/22/25	JA	
Total Mercury				***Batch ID >*** *B508230*							**P2**
Mercury *	0.0002	0.0002		0.0001	0.0001	mg/L	EPA 7470A	EPA 7470A	02/18/25	TW	
Total Metals By ICP				***Batch ID >*** *B508227*							**P2**
Arsenic	0.0009	0.010	J	0.0006	0.0006	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Boron	3.79	0.010		0.0006	0.0006	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Barium	0.030	0.010		0.003	0.003	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Beryllium	< 0.0003	0.004		0.0003	0.0003	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Calcium *	368	1.00		0.009	0.009	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Cadmium	0.004	0.005	J	0.0003	0.0003	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Cobalt	0.006	0.010	J	0.0003	0.0003	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Chromium	0.002	0.010	J	0.0003	0.0003	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Molybdenum	0.002	0.010	J	0.0003	0.0003	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Lead *	0.004	0.010	J	0.0003	0.0003	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Antimony	< 0.002	0.010		0.002	0.002	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Selenium	0.038	0.010		0.002	0.002	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Thallium	< 0.0009	0.010		0.0009	0.0009	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	

CPS Energy - Environmental Dept.
P.O. Box 1771
San Antonio TX, 78296-1771

Project: Calaveras Power Station- CCR Wells

Project Number: [none]
Project Manager: Chelsey Vasbinder

Reported:
05/15/25 15:31
Received:
02/13/25 12:58

Notes:
This supersedes the last report (PreviousReportFileName) issued. Reason: To Include Li_T results, 05/15/25.

Report No. 2502229

Sample ID #: FB-001-20250212 **Sampling Method: Grab** **Lab Sample ID #: 2502229-07**

Sample Matrix: Liquid **Date/Time Collected: 02/12/25 10:00**

Analyte	Result	MQL	Flag	MDL	SQL[SDL]	Units	PrepMethod	Method	Analyzed	Analyst	Notes
General Chemistry				***Batch ID >*** *B508249*							
Total Dissolved Solids *	56.0	5.00		2.50	5.00	mg/L	SM2540C	SM2540C	02/17/25	DD	
Anions by Ion Chromatography				***Batch ID >*** *B509158*							
Chloride *	< 0.052	0.100		0.052	0.052	mg/L	EPA 300.0	EPA 300.0	02/22/25	JA	
Fluoride	< 0.018	0.020		0.018	0.018	mg/L	EPA 300.0	EPA 300.0	02/22/25	JA	
Sulfate *	< 0.06	0.10		0.06	0.06	mg/L	EPA 300.0	EPA 300.0	02/22/25	JA	
Total Mercury				***Batch ID >*** *B508230*							**P2**
Mercury *	< 0.0001	0.0002		0.0001	0.0001	mg/L	EPA 7470A	EPA 7470A	02/18/25	TW	
Total Metals By ICP				***Batch ID >*** *B508227*							**P2**
Arsenic	0.0006	0.010	J	0.0006	0.0006	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Boron	0.012	0.010		0.0006	0.0006	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Barium	< 0.003	0.010		0.003	0.003	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Beryllium	< 0.0003	0.004		0.0003	0.0003	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Calcium *	0.516	1.00	J	0.009	0.009	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Cadmium	< 0.0003	0.005		0.0003	0.0003	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Cobalt	< 0.0003	0.010		0.0003	0.0003	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Chromium	< 0.0003	0.010		0.0003	0.0003	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Molybdenum	< 0.0003	0.010		0.0003	0.0003	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Lead *	< 0.0003	0.010		0.0003	0.0003	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Antimony	< 0.002	0.010		0.002	0.002	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Selenium	< 0.002	0.010		0.002	0.002	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Thallium	0.001	0.010	J	0.0009	0.0009	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	

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Project: Calaveras Power Station- CCR Wells

Project Number: [none]
Project Manager: Chelsey Vasbinder

Reported:
05/15/25 15:31
Received:
02/13/25 12:58

Notes:
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Report No. 2502229

Sample ID #: EB-001-20250212 **Sampling Method: Grab** **Lab Sample ID #: 2502229-08**

Sample Matrix: Liquid **Date/Time Collected: 02/12/25 12:15**

Analyte	Result	MQL	Flag	MDL	SQL[SDL]	Units	PrepMethod	Method	Analyzed	Analyst	Notes
General Chemistry				***Batch ID >*** *B508249*							
Total Dissolved Solids *	72.0	5.00		2.50	5.00	mg/L	SM2540C	SM2540C	02/17/25	DD	
Anions by Ion Chromatography				***Batch ID >*** *B509158*							
Chloride *	< 0.052	0.100		0.052	0.052	mg/L	EPA 300.0	EPA 300.0	02/22/25	JA	
Fluoride	< 0.018	0.020		0.018	0.018	mg/L	EPA 300.0	EPA 300.0	02/22/25	JA	
Sulfate *	0.09	0.10	J	0.06	0.06	mg/L	EPA 300.0	EPA 300.0	02/22/25	JA	
Total Mercury				***Batch ID >*** *B508230*							**P2**
Mercury *	< 0.0001	0.0002		0.0001	0.0001	mg/L	EPA 7470A	EPA 7470A	02/18/25	TW	
Total Metals By ICP				***Batch ID >*** *B508227*							**P2**
Arsenic	0.002	0.010	J	0.0006	0.0006	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Boron	0.008	0.010	J	0.0006	0.0006	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Barium	0.006	0.010	J	0.003	0.003	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Beryllium	< 0.0003	0.004		0.0003	0.0003	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Calcium *	1.28	1.00		0.009	0.009	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Cadmium	< 0.0003	0.005		0.0003	0.0003	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Cobalt	< 0.0003	0.010		0.0003	0.0003	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Chromium	0.002	0.010	J	0.0003	0.0003	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Molybdenum	< 0.0003	0.010		0.0003	0.0003	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Lead *	< 0.0003	0.010		0.0003	0.0003	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Antimony	< 0.002	0.010		0.002	0.002	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Selenium	< 0.002	0.010		0.002	0.002	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Thallium	0.001	0.010	J	0.0009	0.0009	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	

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Project: Calaveras Power Station- CCR Wells

Project Number: [none]
Project Manager: Chelsey Vasbinder

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Report No. 2502229

Sample ID #: BD-001-20250212 | **Sampling Method: Grab** | **Lab Sample ID #: 2502229-09**

Sample Matrix: Liquid | **Date/Time Collected: 02/12/25 07:30**

Analyte	Result	MQL	Flag	MDL	SQL[SDL]	Units	PrepMethod	Method	Analyzed	Analyst	Notes
General Chemistry				***Batch ID >*** *B508249*							
Total Dissolved Solids *	3370	5.00		2.50	5.00	mg/L	SM2540C	SM2540C	02/17/25	DD	
Anions by Ion Chromatography				***Batch ID >*** *B509158*							
Chloride *	395	5.00		0.052	2.60	mg/L	EPA 300.0	EPA 300.0	02/22/25	JA	
Fluoride	0.362	0.020		0.018	0.018	mg/L	EPA 300.0	EPA 300.0	02/22/25	JA	
Sulfate *	1900	5.00		0.06	2.80	mg/L	EPA 300.0	EPA 300.0	02/22/25	JA	
Total Mercury				***Batch ID >*** *B508230*							**P2**
Mercury *	< 0.0001	0.0002		0.0001	0.0001	mg/L	EPA 7470A	EPA 7470A	02/18/25	TW	
Total Metals By ICP				***Batch ID >*** *B508227*							**P2**
Arsenic	< 0.0006	0.010		0.0006	0.0006	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Boron	3.99	0.010		0.0006	0.0006	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Barium	0.031	0.010		0.003	0.003	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Beryllium	< 0.0003	0.004		0.0003	0.0003	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Calcium *	381	1.00		0.009	0.009	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Cadmium	0.004	0.005	J	0.0003	0.0003	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Cobalt	0.006	0.010	J	0.0003	0.0003	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Chromium	0.002	0.010	J	0.0003	0.0003	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Molybdenum	0.002	0.010	J	0.0003	0.0003	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Lead *	0.004	0.010	J	0.0003	0.0003	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Antimony	< 0.002	0.010		0.002	0.002	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Selenium	0.039	0.010		0.002	0.002	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	
Thallium	0.001	0.010	J	0.0009	0.0009	mg/L	EPA 6010B	EPA 6010B	02/18/25	SJ	

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Project: Calaveras Power Station- CCR Wells

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Report No. 2502229

General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B508249 - SM2540C									
Blank (B508249-BLK1)				Prepared: 02/17/25 08:30		Analyzed: 02/17/25 17:00			
Total Dissolved Solids	<2.50	2.50	mg/L				–		
LCS (B508249-BS1)				Prepared: 02/17/25 08:30		Analyzed: 02/17/25 17:00			
Total Dissolved Solids	119	2.50	mg/L	100		119	80–120		
LCS Dup (B508249-BSD1)				Prepared: 02/17/25 08:30		Analyzed: 02/17/25 17:00			
Total Dissolved Solids	109	2.50	mg/L	100		109	80–120	9	20
Duplicate (B508249-DUP1)		**Source: 2502229-05**		Prepared: 02/17/25 08:30		Analyzed: 02/17/25 17:00			
Total Dissolved Solids	3680	5.00	mg/L		3600		–	2	20

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Project: Calaveras Power Station- CCR Wells

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Report No. 2502229

Anions by Ion Chromatography - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B509158 - EPA 300.0									
Blank (B509158-BLK1)				Prepared: 02/21/25 09:00		Analyzed: 02/21/25 09:59			
Fluoride	<0.020	0.020	mg/L				–		
Chloride	<0.100	0.100	mg/L				–		
Sulfate	<0.10	0.10	mg/L				–		
LCS (B509158-BS1)				Prepared: 02/21/25 09:00		Analyzed: 02/21/25 10:17			
Fluoride	1.02	0.020	mg/L	1.00		102	90–110		
Chloride	4.94	0.100	mg/L	5.00		99	90–110		
Sulfate	5.00	0.10	mg/L	5.00		100	90–110		
LCS Dup (B509158-BSD1)				Prepared: 02/21/25 09:00		Analyzed: 02/21/25 10:34			
Fluoride	1.00	0.020	mg/L	1.00		100	90–110	1	20
Chloride	4.95	0.100	mg/L	5.00		99	90–110	0.07	20
Sulfate	4.93	0.10	mg/L	5.00		99	90–110	1	20
Duplicate (B509158-DUP1)		**Source: 2502229-07**		Prepared: 02/21/25 09:00		Analyzed: 02/22/25 01:50			
Fluoride	<0.020	0.020	mg/L		<0.020		–		20
Chloride	<0.100	0.100	mg/L		<0.100		–		20
Sulfate	<0.10	0.10	mg/L		<0.10		–		20
Matrix Spike (B509158-MS1)		**Source: 2502229-07**		Prepared: 02/21/25 09:00		Analyzed: 02/22/25 02:43			
Fluoride	1.03	0.020	mg/L	1.00	<0.020	103	80–120		
Chloride	5.09	0.100	mg/L	5.00	<0.100	102	80–120		
Sulfate	5.10	0.10	mg/L	5.00	<0.10	102	80–120		
Matrix Spike Dup (B509158-MSD1)		**Source: 2502229-07**		Prepared: 02/21/25 09:00		Analyzed: 02/22/25 03:01			
Fluoride	1.02	0.020	mg/L	1.00	<0.020	102	80–120	0.4	20
Chloride	5.09	0.100	mg/L	5.00	<0.100	102	80–120	0.006	20
Sulfate	5.07	0.10	mg/L	5.00	<0.10	101	80–120	0.5	20

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Project: Calaveras Power Station- CCR Wells

Project Number: [none]
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Notes:
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Report No. 2502229

Total Mercury - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B508230 - EPA 7470A									
Blank (B508230-BLK1)				Prepared: 02/18/25 10:00		Analyzed: 02/18/25 14:22			
Mercury	<0.0002	0.0002	mg/L				–		
LCS (B508230-BS1)				Prepared: 02/18/25 10:00		Analyzed: 02/18/25 14:24			
Mercury	0.00954	0.0002	mg/L	0.0100		95	85–115		
LCS Dup (B508230-BSD1)				Prepared: 02/18/25 10:00		Analyzed: 02/18/25 14:26			
Mercury	0.00923	0.0002	mg/L	0.0100		92	85–115	3	25
Duplicate (B508230-DUP1)		**Source: 2502229-05**		Prepared: 02/18/25 10:00		Analyzed: 02/18/25 14:35			
Mercury	<0.0002	0.0002	mg/L		<0.0002		–		25
Matrix Spike (B508230-MS1)		**Source: 2502229-05**		Prepared: 02/18/25 10:00		Analyzed: 02/18/25 14:37			
Mercury	0.00870	0.0002	mg/L	0.0100	<0.0002	87	75–125		
Matrix Spike Dup (B508230-MSD1)		**Source: 2502229-05**		Prepared: 02/18/25 10:00		Analyzed: 02/18/25 14:39			
Mercury	0.00897	0.0002	mg/L	0.0100	<0.0002	90	75–125	3	25

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Report No. 2502229

Total Metals By ICP - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B508227 - EPA 6010B									
Blank (B508227-BLK1)				Prepared: 02/18/25 09:50 Analyzed: 02/18/25 14:26					
Antimony	<0.010	0.010	mg/L				–		
Arsenic	<0.010	0.010	mg/L				–		
Barium	<0.010	0.010	mg/L				–		
Beryllium	<0.004	0.004	mg/L				–		
Boron	<0.010	0.010	mg/L				–		
Cadmium	<0.005	0.005	mg/L				–		
Calcium	<1.00	1.00	mg/L				–		
Chromium	<0.010	0.010	mg/L				–		
Cobalt	<0.010	0.010	mg/L				–		
Lead	<0.010	0.010	mg/L				–		
Molybdenum	<0.010	0.010	mg/L				–		
Selenium	<0.010	0.010	mg/L				–		
Thallium	<0.010	0.010	mg/L				–		
LCS (B508227-BS1)				Prepared: 02/18/25 09:50 Analyzed: 02/18/25 14:32					
Antimony	2.12	0.010	mg/L	2.00		106	85–115		
Arsenic	2.10	0.010	mg/L	2.00		105	85–115		
Barium	2.02	0.010	mg/L	2.00		101	85–115		
Beryllium	2.07	0.004	mg/L	2.00		103	85–115		
Boron	2.18	0.010	mg/L	2.00		109	85–115		
Cadmium	2.07	0.005	mg/L	2.00		103	85–115		
Calcium	2.05	1.00	mg/L	2.00		103	85–115		
Chromium	1.99	0.010	mg/L	2.00		100	85–115		
Cobalt	2.05	0.010	mg/L	2.00		102	85–115		
Lead	2.02	0.010	mg/L	2.00		101	85–115		
Molybdenum	2.02	0.010	mg/L	2.00		101	85–115		
Selenium	2.24	0.010	mg/L	2.00		112	85–115		
Thallium	2.04	0.010	mg/L	2.00		102	85–115		

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Total Metals By ICP - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	
Batch B508227 - EPA 6010B										
LCS Dup (B508227-BSD1)				Prepared: 02/18/25 09:50 Analyzed: 02/18/25 14:37						
Antimony	2.12	0.010	mg/L	2.00		106	85–115	0.1	20	
Arsenic	2.10	0.010	mg/L	2.00		105	85–115	0.05	20	
Barium	1.99	0.010	mg/L	2.00		100	85–115	1	20	
Beryllium	2.04	0.004	mg/L	2.00		102	85–115	1	20	
Boron	2.15	0.010	mg/L	2.00		107	85–115	2	20	
Cadmium	2.06	0.005	mg/L	2.00		103	85–115	0.4	20	
Calcium	2.04	1.00	mg/L	2.00		102	85–115	0.5	20	
Chromium	1.96	0.010	mg/L	2.00		98	85–115	2	20	
Cobalt	2.06	0.010	mg/L	2.00		103	85–115	0.6	20	
Lead	2.04	0.010	mg/L	2.00		102	85–115	0.7	20	
Molybdenum	2.01	0.010	mg/L	2.00		101	85–115	0.3	20	
Selenium	2.24	0.010	mg/L	2.00		112	85–115	0.4	20	
Thallium	2.03	0.010	mg/L	2.00		102	85–115	0.7	20	
Duplicate (B508227-DUP1)		**Source: 2502229-01**		Prepared: 02/18/25 09:50 Analyzed: 02/18/25 14:49						
Antimony	<0.010	0.010	mg/L		<0.010		–		20	
Arsenic	0.00130	0.010	mg/L		0.00130		–	0	20	
Barium	0.0416	0.010	mg/L		0.0397		–	5	20	
Beryllium	<0.004	0.004	mg/L		<0.004		–		20	
Boron	6.02	0.010	mg/L		5.74		–	5	20	
Cadmium	0.000700	0.005	mg/L		0.000700		–	0	20	
Calcium	137	1.00	mg/L		131		–	4	20	
Chromium	0.000300	0.010	mg/L		0.000300		–	0	20	
Cobalt	0.000400	0.010	mg/L		0.000300		–	29	20	S
Lead	0.00120	0.010	mg/L		0.00210		–	55	20	S
Molybdenum	0.000900	0.010	mg/L		0.00240		–	91	20	S
Selenium	<0.010	0.010	mg/L		<0.010		–		20	
Thallium	<0.010	0.010	mg/L		0.00160		–		20	

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Total Metals By ICP - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	
Batch B508227 - EPA 6010B										
Matrix Spike (B508227-MS1)		**Source: 2502229-01**		Prepared: 02/18/25 09:50		Analyzed: 02/18/25 14:55				
Antimony	2.21	0.010	mg/L	2.00	<0.010	111	75-125			
Arsenic	2.24	0.010	mg/L	2.00	0.00130	112	75-125			
Barium	2.22	0.010	mg/L	2.00	0.0397	109	75-125			
Beryllium	2.14	0.004	mg/L	2.00	<0.004	107	75-125			
Boron	7.98	0.010	mg/L	2.00	5.74	112	75-125			
Cadmium	2.29	0.005	mg/L	2.00	0.000700	114	75-125			
Calcium	133	1.00	mg/L	2.00	131	95	75-125			
Chromium	2.02	0.010	mg/L	2.00	0.000300	101	75-125			
Cobalt	2.03	0.010	mg/L	2.00	0.000300	101	75-125			
Lead	2.11	0.010	mg/L	2.00	0.00210	105	75-125			
Molybdenum	2.25	0.010	mg/L	2.00	0.00240	112	75-125			
Selenium	2.31	0.010	mg/L	2.00	<0.010	115	75-125			
Thallium	2.02	0.010	mg/L	2.00	0.00160	101	75-125			
Matrix Spike Dup (B508227-MSD1)		**Source: 2502229-01**		Prepared: 02/18/25 09:50		Analyzed: 02/18/25 15:00				
Antimony	2.16	0.010	mg/L	2.00	<0.010	108	75-125	2	20	
Arsenic	2.18	0.010	mg/L	2.00	0.00130	109	75-125	2	20	
Barium	2.14	0.010	mg/L	2.00	0.0397	105	75-125	4	20	
Beryllium	2.07	0.004	mg/L	2.00	<0.004	103	75-125	4	20	
Boron	7.47	0.010	mg/L	2.00	5.74	87	75-125	7	20	
Cadmium	2.22	0.005	mg/L	2.00	0.000700	111	75-125	3	20	
Calcium	124	1.00	mg/L	2.00	131	NR	75-125	7	20	M
Chromium	1.94	0.010	mg/L	2.00	0.000300	97	75-125	4	20	
Cobalt	1.99	0.010	mg/L	2.00	0.000300	99	75-125	2	20	
Lead	2.07	0.010	mg/L	2.00	0.00210	103	75-125	2	20	
Molybdenum	2.19	0.010	mg/L	2.00	0.00240	109	75-125	3	20	
Selenium	2.26	0.010	mg/L	2.00	<0.010	113	75-125	2	20	
Thallium	1.97	0.010	mg/L	2.00	0.00160	98	75-125	3	20	

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Project Manager: Chelsey Vasbinder

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SAMPLE QUALIFIERS

P2	Samples received at pH<2

DEFINITIONS

*	TNI / NELAC accredited analyte
PQL	Practical Quantitation Limit
MCL	Maximum Contaminant Level
mg/Kg	Milligrams per Kilogram (Parts per Million)
mg/L	Milligrams per Liter (Parts per Million)
PPM	Parts per Million
ND	This qualifier indicates that the analyte was analyzed but not detected above the MDL
J	This qualifier indicates that the analyte is an estimate value between MQL and MDL
SQL	Sample Quantitation Limit
MQL	Method Quantitation Limit
MDL	Method Detection Limit
L	LCS/LCSD recovery is outside QC limits, the results may have a slight bias.
M	MS/MSD recovery is outside QC limits due to possible matrix interferences, results may have a slight bias .
S	RPD is outside QC limits.
RMCCL	Recommended Maximum Concentration of Contaminants Level
µR/hr	MicroRoentgens per hour (Measure of Radioactivity Level)
HT	Sample received past holdtime
IC	Improper Container for this analyte(s)
IT	Improper Temperature
IP	Improper preservation for this analyte(s)
V	Insufficient Volume
B	Sample collected in Bulk
AB	VOA Vial contained air bubbles.
OP	ortho-Phosphate was not filtered in the field within 15minutes of collection.
CCV	Continuing Calibration Verification Standard.
ICV	Initial Calibration Verification Standard.
Surr L	Surrogate recovery is low outside QC limits.
Surr H	Surrogate recovery is high outside QC limits.
NR	Not Recovered due to source sample concentration exceeds spiked concentration.

Test Methods followed by the laboratory are referenced in the following approved methodology, unless otherwise specified.

Standard Methods for the Examination of Water and Wastewater, 23rd Edition, 2017
Methods for Chemical Analysis of Water and Wastes, EPA 600/4-79-020, Rev. March 1983
EPA SW Test Methods for the Examination of Solid Waste, SW-846, 1996

CPS Energy - Environmental Dept.
P.O. Box 1771
San Antonio TX, 78296-1771

Project: Calaveras Power Station- CCR Wells

Project Number: [none]
Project Manager: Chelsey Vasbinder

Reported:
05/15/25 15:31
Received:
02/13/25 12:58

Notes:
This supersedes the last report (PreviousReportFileName) issued. Reason: To Include Li_T results, 05/15/25.

Report No. 2502229

Subcontracted Analyses

Subcontractor Lab	Lab Number	Analysis
Eurofins - St. Louis	2502229-05	Li_T
Eurofins - St. Louis	2502229-05	Radium 226_SUB
Eurofins - St. Louis	2502229-05	Radium 228_SUB
Eurofins - St. Louis	2502229-06	Li_T
Eurofins - St. Louis	2502229-06	Radium 226_SUB
Eurofins - St. Louis	2502229-06	Radium 228_SUB
Eurofins - St. Louis	2502229-07	Li_T
Eurofins - St. Louis	2502229-07	Radium 226_SUB
Eurofins - St. Louis	2502229-07	Radium 228_SUB
Eurofins - St. Louis	2502229-08	Li_T
Eurofins - St. Louis	2502229-08	Radium 226_SUB
Eurofins - St. Louis	2502229-08	Radium 228_SUB
Eurofins - St. Louis	2502229-09	Li_T
Eurofins - St. Louis	2502229-09	Radium 226_SUB
Eurofins - St. Louis	2502229-09	Radium 228_SUB

Aimee Landon For Marcela Gracia Hawk, President For

Xavier Escobar, Business Unit Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Client Information	Project Information	Laboratory Information	COC Information
CPS Energy - Environmental Dept. P.O. Box 1771 San Antonio TX 78296-1771 Phone: (210) 353-4719 Fax: (210) 353-4271	Calaveras Power Station- CCR Wells Number: [none] Sample count: 9 TAT: 7	San Antonio Testing Laboratory 1610 S. Laredo St San Antonio TX 78207 Phone: 210-229-9920 Fax: 210-229-9921	Shipped via: Hand Delivered Temp: 1.7C/1.7C TG#7

		Analyses	Containers
#1	JKS-50R-20250212-CCR 02/12/2025 13:05 Grab / Liquid	B_T TAT: 7	250 mL Plastic HNO3 (1)
	Comments: TRRP REPORTING		
#2	JKS-52-20250212-CCR 02/12/2025 13:43 Grab / Liquid	B_T TAT: 7	250 mL Plastic HNO3 (1)
	Comments: TRRP REPORTING		
#3	JKS-55-20250212-CCR 02/12/2025 11:15 Grab / Liquid	B_T TAT: 7	250 mL Plastic HNO3 (1)
	Comments: TRRP REPORTING		
#4	JKS-68-20250212-CCR 02/12/2025 14:11 Grab / Liquid	B_T TAT: 7	250 mL Plastic HNO3 (1)
	Comments: TRRP REPORTING		
#5	JKS-71-20250212-CCR 02/12/2025 14:45 Grab / Liquid	As_T TAT: 7 B_T TAT: 7 Ba_T TAT: 7 Be_T TAT: 7 Ca_T TAT: 7 Cd_T TAT: 7 Chloride_IC TAT: 7 Co_T TAT: 7 Cr_T TAT: 7 Fluoride_IC TAT: 7 Hg_T TAT: 7 Li_T TAT: 7 (Subcontracted to Eurofins - St. Louis) Mo_T TAT: 7 Pb_T TAT: 7 Sb_T TAT: 7 Se_T TAT: 7 Sulfate_IC TAT: 7 TDS TAT: 7 Tl_T TAT: 7	250 mL Plastic HNO3 (1) 1 Gallon Plastic (1) 1 L Plastic Unpreserved (1)
	Comments: TRRP REPORTING - Radium 226 & 228 Combined, Li		
#6	JKS-72-20250212-CCR 02/12/2025 09:05 Grab / Liquid	As_T TAT: 7 B_T TAT: 7 Ba_T TAT: 7 Be_T TAT: 7 Ca_T TAT: 7 Cd_T TAT: 7 Chloride_IC TAT: 7 Co_T TAT: 7 Cr_T TAT: 7 Fluoride_IC TAT: 7 Hg_T TAT: 7 Li_T TAT: 7 (Subcontracted to Eurofins - St. Louis) Mo_T TAT: 7 Pb_T TAT: 7 Sb_T TAT: 7 Se_T TAT: 7 Sulfate_IC TAT: 7 TDS TAT: 7	250 mL Plastic HNO3 (1) 1 Gallon Plastic (1) 1 L Plastic Unpreserved (1)

		Tl_T TAT: 7	
	Comments: TRRP REPORTING - Radium 226 & 228 Combined, Li		
#7	FB-001-20250212 02/12/2025 10:00 Grab / Liquid	**Analyses** As_T TAT: 7 B_T TAT: 7 Ba_T TAT: 7 Be_T TAT: 7 Ca_T TAT: 7 Cd_T TAT: 7 Chloride_IC TAT: 7 Co_T TAT: 7 Cr_T TAT: 7 Fluoride_IC TAT: 7 Hg_T TAT: 7 Li_T TAT: 7 (Subcontracted to Eurofins - St. Louis) Mo_T TAT: 7 Pb_T TAT: 7 Sb_T TAT: 7 Se_T TAT: 7 Sulfate_IC TAT: 7 TDS TAT: 7 Tl_T TAT: 7	**Containers** 250 mL Plastic HNO3 (1) 1 Gallon Plastic (1) 1 L Plastic Unpreserved (1)
	Comments: TRRP REPORTING - Radium 226 & 228 Combined, Li		
#8	EB-001-20250212 02/12/2025 12:15 Grab / Liquid	**Analyses** As_T TAT: 7 B_T TAT: 7 Ba_T TAT: 7 Be_T TAT: 7 Ca_T TAT: 7 Cd_T TAT: 7 Chloride_IC TAT: 7 Co_T TAT: 7 Cr_T TAT: 7 Fluoride_IC TAT: 7 Hg_T TAT: 7 Li_T TAT: 7 (Subcontracted to Eurofins - St. Louis) Mo_T TAT: 7 Pb_T TAT: 7 Sb_T TAT: 7 Se_T TAT: 7 Sulfate_IC TAT: 7 TDS TAT: 7 Tl_T TAT: 7	**Containers** 250 mL Plastic HNO3 (1) 1 Gallon Plastic (1) 1 L Plastic Unpreserved (1)
	Comments: TRRP REPORTING - Radium 226 & 228 Combined, Li		
#9	BD-001-20250212 02/12/2025 07:30 Grab / Liquid	**Analyses** As_T TAT: 7 B_T TAT: 7 Ba_T TAT: 7 Be_T TAT: 7 Ca_T TAT: 7 Cd_T TAT: 7 Chloride_IC TAT: 7 Co_T TAT: 7 Cr_T TAT: 7 Fluoride_IC TAT: 7 Hg_T TAT: 7 Li_T TAT: 7 (Subcontracted to Eurofins - St. Louis) Mo_T TAT: 7 Pb_T TAT: 7 Sb_T TAT: 7 Se_T TAT: 7 Sulfate_IC TAT: 7 TDS TAT: 7 Tl_T TAT: 7	**Containers** 250 mL Plastic HNO3 (1) 1 Gallon Plastic (1) 1 L Plastic Unpreserved (1)
	Comments: TRRP REPORTING - Radium 226 & 228 Combined, Li		

Sub Laboratory:	Eurofins - St. Louis 13715 Rider Trail North Earth City MO 63045 Number: (314) 298-8566 Laboratory: -

Relinquished by	Date/Time	Accepted by	Date/Time
Lauren Simmons	2/13/25 1258	Hannah Thigpen	2-13-25 1258

SAN ANTONIO TESTING LABORATORY

Sample Receipt Checklist

Client: CPS Energy - Environmental Dept.	**Project Manager: Marcela Gracia Hawk**
Project: Calaveras Power Station- CCR Wells	**Project Number: [none]**

Report To:
Chelsey Vasbinder

SATL Report Number: 2502229

Work Order Due by:	02/24/25 17:00 (7 day TAT)		
Received By:	Hannah Thigpen	Date Received:	02/13/25 12:58
Logged In By:	Hannah Thigpen	Date Logged In:	02/13/25 14:04

Sample(s) Received on ICE/evidence of Ice (cooler with melted ice,etc):	*Yes*
Sample temperature at receipt *:	*1.7°C*
Custody Seals Present:	*No*
All containers intact:	*Yes*
Sample labels/COC agree:	*Yes*
Samples Received within Holding time :	*Yes*
Samples appropriately preserved **:	*Yes*
Containers received broken/damaged/leaking:	*No*
Air bubbles present in VOA vials for VOC/TPH analyses, if applicable:	*Not Applicable*
TRRP 13 Reporting requested?	*No*
BacT Sample bottles filled to volume (100mL mark), if applicable:	*Not Applicable*
LCR Sample bottles filled to volume (1 Liter mark), if applicable:	*Not Applicable*
Subcontracting required for any analyses:	*Yes*
RUSH turnaround time requested:	*No*
Requested Turnaround Time:	*No*
Samples delivered via :	*Hand Delivered*
Air bill included if Samples were shipped:	*No*
Other deviations not meeting SATL sample acceptance criteria notated on CoC:	*None*

Notes:
** Samples delivered to the laboratory on the same day that they are collected may not meet thermal preservation criteria (>0°C but <6°C) but are acceptable, if they arrive on ice.*
*** If improperly preserved, notate client authorization on CoC to proceed with analysis.*

Checked By : *Hannah Thigpen* Date : *02/13/25 12:58*

SATL#FO001
Revised 09/15/2022

SATESTING

From: Wally Zverina <Wally.Zverina@erm.com>
Sent: Thursday, May 1, 2025 9:10 AM
To: SATESTING
Cc: LESimmons@cpsenergy.com; Vasbinder, Chelsey; Alvarez, Mario A
Subject: FW: February Well Sampling Analytical Reports
Attachments: 2502229_2 2-SATL1_TRRP 03 21 25 1150.pdf

Aimee – Lithium was requested in the original chain of custody (see page 24), but it appears that lithium was not requested when a subset of the samples was sent to Eurofins (see page 33).

Can you please check with Eurofins and see if they still have the samples (only need JKS-71 and JKS-72) and can run the lithium analysis on those two samples?

Please call me with any questions.

ERM
Sustainability is our business

Wally Zverina
Principal Consultant

Austin
(512) 994-7094

erm.com

From: Simmons, Lance E. <LESimmons@cpsenergy.com>
Sent: Monday, March 24, 2025 11:06 AM
To: Wally Zverina <Wally.Zverina@erm.com>
Cc: Nick Houtchens <Nick.Houtchens@erm.com>; MMMalone <MMMalone@CPSEnergy.com>; Vasbinder, Chelsey <CVasbinder@cpsenergy.com>; Alvarez, Mario A <MAAlvarez@CPSEnergy.com>
Subject: February Well Sampling Analytical Reports

EXTERNAL MESSAGE

Wally,

Here are all three analytical reports from our February sampling. Feel free to let me know if you have any questions.

Thanks,

LANCE SIMMONS
Environmental Analyst| Environmental Planning & Compliance
CPS Energy | 500 McCullough Avenue, San Antonio, Texas 78215 | MD: 231007
Office: 210.353.5868 | Mobile: 210.701.9571
cpsenergy.com

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12 13

ANALYTICAL REPORT

PREPARED FOR

Attn: Marcela Hawk
San Antonio Testing Laboratory Inc
1610 S Laredo Street
San Antonio, Texas 78207

Generated 3/19/2025 4:04:32 PM

JOB DESCRIPTION

2502229

JOB NUMBER

160-57217-1

Eurofins St. Louis
13715 Rider Trail North
Earth City MO 63045

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

Authorization

Generated
3/19/2025 4:04:32 PM

Authorized for release by
Casey Robertson, Project Manager
Casey.Robertson@et.eurofinsus.com
Designee for
Micha Korrinhizer, Project Manager
Micha.Korrinhizer@et.eurofinsus.com
(314)298-8566

Table of Contents

CASE NARRATIVE

Client: San Antonio Testing Laboratory, Inc.

Project: 2502229

Report Number: 160-57217-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

Eurofins Environment Testing attests to the validity of the laboratory data generated by Eurofins facilities reported herein. All analyses performed by Eurofins Environment Testing facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins Environment Testing's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Proper preservation was noted for the methods performed on these samples, unless otherwise detailed below.

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

The matrix for the Method Blank and LCS/LCSD is as close to the samples as can be reasonably achieved. Detailed information can be found in the most current revision of the associated SOP.

The method blank (MB) z-score is within limits, unless stated otherwise below, and is stored in the level IV raw data.

This laboratory report is confidential and is intended for the sole use of Eurofins Environment Testing and its client.

Receipt
The samples were received on 2/18/2025 12:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved. The temperature of the cooler at receipt time was 3.0°C.

Receipt Exceptions
The reference method requires samples to have a pH of less than 2. The following samples were received with a pH of 7: 2502229-05 (JKS-71-20250212-CCR) (160-57217-1), 2502229-06 (JKS-72-20250212-CCR) (160-57217-2), 2502229-07 (FB-001-20250212) (160-57217-3), 2502229-08 (EB-001-20250212) (160-57217-4) and 2502229-09 (BD-001-20250212) (160-57217-5). The samples were adjusted to the appropriate pH in the laboratory.

Samplers name is not on the COC.

Method 903.0 - Radium-226 (GFPC)
Samples 2502229-05 (JKS-71-20250212-CCR) (160-57217-1), 2502229-06 (JKS-72-20250212-CCR) (160-57217-2), 2502229-07 (FB-001-20250212) (160-57217-3), 2502229-08 (EB-001-20250212) (160-57217-4) and 2502229-09 (BD-001-20250212) (160-57217-5) were analyzed for Radium-226 (GFPC). The samples were prepared on 2/21/2025 and analyzed on 3/17/2025.

Method 904.0 - Radium-228 (GFPC)
Samples 2502229-05 (JKS-71-20250212-CCR) (160-57217-1), 2502229-06 (JKS-72-20250212-CCR) (160-57217-2), 2502229-07 (FB-001-20250212) (160-57217-3), 2502229-08 (EB-001-20250212) (160-57217-4) and 2502229-09 (BD-001-20250212) (160-57217-5) were analyzed for Radium-228 (GFPC). The samples were prepared on 2/21/2025 and analyzed on 3/14/2025.

The LCS (LCS 160-704056/2-A) associated with batch 160-704056 recovered at (126%). The limits in our LIMS system at 75-125

Job ID: 160-57217-1 (Continued)

reflect the requirements of a regulatory agency that represents a large amount of our work. However the samples associated with this LCS are not from this agency and are therefore held to our in-house statistical limits of (68-154%) per method requirements. The LCS passes, no further action is required

The detection goal was not met for the following samples in batch 160-704056 due to the reduced volume attributed to the presence of matrix interferences: 2502229-05 (JKS-71-20250212-CCR) (160-57217-1), 2502229-06 (JKS-72-20250212-CCR) (160-57217-2) and 2502229-09 (BD-001-20250212) (160-57217-5). Analytical results are reported with the detection limit achieved.

Method Ra226_Ra228 - Combined Radium-226 and Radium-228
Samples 2502229-05 (JKS-71-20250212-CCR) (160-57217-1), 2502229-06 (JKS-72-20250212-CCR) (160-57217-2), 2502229-07 (FB-001-20250212) (160-57217-3), 2502229-08 (EB-001-20250212) (160-57217-4) and 2502229-09 (BD-001-20250212) (160-57217-5) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 3/17/2025.

No additional analytical or quality issues were noted, other than those described below or in the Definitions/ Glossary page.

SAN ANTONIO TESTING LABORATORY, LLC
1610 S. Laredo Street, San Antonio, Texas 78207
(210) 229-9920 • Fax (210) 229-9921
www.satestinglab.com

CHAIN-OF-CUSTODY RECORD

REPORT TO:	INVOICE TO:	P.O. #
COMPANY SATL	COMPANY SATL	REPORT NUMBER
ADDRESS	ADDRESS	
CITY / STATE / ZIP	CITY / STATE / ZIP	E-MAIL
ATTN: Aimee Landin / PHONE #	ATTN: Elizabeth / PHONE #	

PROJECT NAME/LOCATION/SITE
PROJECT NO.
SAMPLED BY

REQUESTED TURNAROUND TIME IN BUSINESS DAYS & SURCHARGE: ❑ 7-10 Days REG ❑ 5 Days +25% ❑ 4 Days +50% ❑ 3 DAYS +75% ❑ 2 DAYS +100% ❑ Next Day +150% ❑ SAME DAY WHEN POSSIBLE +300%

THE TURNAROUND TIME FOR SAMPLES RECEIVED AFTER 3:00 PM SHALL BEGIN AT 8:00 AM THE FOLLOWING BUSINESS DAY / SPECIAL REQ.:

DATA TO TCEQ ❑ RRC ❑ Other (Specify) ❑ | Field: pH:____ Temp:____ °C, LCS/D:____ ____; Dup:____

SAMPLE TEMPERATURE WITHIN COMPLIANCE (> 0°C ≤ 6°C) ❑ YES ❑ NO
PROPER CONTAINERS INTACT ❑ YES ❑ NO
INSUFFICIENT SAMPLE FOR (TCLP/SPLP/OTHER) ❑ YES ❑ NO AUTHORIZE TO PROCEED ____
IF NO, INITIAL HERE TO AUTHORIZE ANALYSIS ____

OBSERVED TEMP / CORRECTED TEMP / TEMP. I.R. GUN # / SAMPLE ICED ❑ YES ❑ NO | TRRP 13 ❑ APPENDIX A ❑ | PST?PCLS ❑ SIM/LOW LEVEL ❑ | TSDF Class 2 ❑ PERMIT ❑

ANALYSIS REQUESTED

Matrix columns: DRINKING WATER / LIQUID / PAINT CHIPS / OIL / ORGANIC LIQUID / SOLID/SLUDGE / WIPE / OTHER; COMPOSITE / GRAB / CORE / OTHER

Analyses: BTEX/MTBE 8260 / TPH TX1005/TX1006; Metals 8 / 11 / 12 / 13 / TCLP / SPLP / Total; PAH / SVOC / 8270 / 625.1 / TCLP / SPLP / Total; VOC / 8260 / 624.1 / TCLP / SPLP / Total; Water Quality - Drinking / Livestock / Irrigation; Coli / TC / FC / HPC / EColi / Enterococci / O-Tray; Br / Cl / F / N03 / NO2/O-P / SO4; Herb 8151A; PCB/8082A - Pest / 608.3 / 8081A / TCLP / SPLP / Total; Pool Water 28 Combined

PRESERVED WITH: ICE / NONE / OTHER / H_2SO_4 / $NaOH$ / HNO_3 / HCL; PRESERVED IN THE LAB / COMPOSITED IN THE LAB / FILTERED IN THE LAB / FILTERED IN THE FIELD / VOA AIR BUBBLES

SAMPLE NUMBER	DATE	TIME	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	SAMPLE AMOUNT	CONTAINER SIZE	Pool Water 28 Combined	REMARKS
1	2/12/25	1445	JKS-71-20250212-CCR	1	gal	gal	X	2502229-05
2	|	0905	JKS-72-20250212-CCR	|	|	|	|	-06
3	|	1000	FB-001-20250212	|	|	|	|	-07
4	|	1215	EB-001-20250212	|	|	|	|	-08
5	|	0730	BD-001-20250212	|	|	|	|	-09

160-57217 Chain of Custody

TRRP Report
Equis 5X EDD

RELINQUISHED BY (SIGNATURE) [signature]	DATE / TIME 2/14/25	RECEIVED BY (SIGNATURE) M. Pinette	DATE / TIME FEB 18 2025	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	DATE / TIME
RELINQUISHED BY (PRINT NAME) Aimee Landin	DATE / TIME 1700	RECEIVED BY (PRINT NAME) Meadow Pinette	DATE / TIME 1200	RELINQUISHED BY (PRINT NAME)	DATE / TIME	RECEIVED BY (PRINT NAME)	DATE / TIME
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	DATE / TIME	METHOD OF SHIPMENT		SUBCONTRACTED ❑ YES ❑ NO	
RELINQUISHED BY (PRINT NAME)	DATE / TIME	RECEIVED BY (PRINT NAME)	DATE / TIME	BULK ❑ (Initial) 5035 ❑ N/A ❑		CUSTODY SEAL IN PLACE & INTACT ❑ YES ❑ NO	

Login Sample Receipt Checklist

Client: San Antonio Testing Laboratory Inc

Job Number: 160-57217-1

Login Number: 57217
List Number: 1
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Samplers name is not on the COC
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	Preserved upon arrival
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Definitions/Glossary

Client: San Antonio Testing Laboratory Inc
Project/Site: 2502229

Job ID: 160-57217-1

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
SDL	Sample Detection Limit
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method Summary

Client: San Antonio Testing Laboratory Inc
Project/Site: 2502229

Job ID: 160-57217-1

Method	Method Description	Protocol	Laboratory
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
Ra226_Ra228	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency

None = None

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: San Antonio Testing Laboratory Inc
Project/Site: 2502229

Job ID: 160-57217-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-57217-1	2502229-05 (JKS-71-20250212-CCR)	Water	02/12/25 14:45	02/18/25 12:00
160-57217-2	2502229-06 (JKS-72-20250212-CCR)	Water	02/12/25 09:05	02/18/25 12:00
160-57217-3	2502229-07 (FB-001-20250212)	Water	02/12/25 10:00	02/18/25 12:00
160-57217-4	2502229-08 (EB-001-20250212)	Water	02/12/25 12:15	02/18/25 12:00
160-57217-5	2502229-09 (BD-001-20250212)	Water	02/12/25 07:30	02/18/25 12:00

Client Sample ID: 2502229-05 (JKS-71-20250212-CCR)

Lab Sample ID: 160-57217-1
Matrix: Water
Date Collected: 02/12/25 14:45
Date Received: 02/18/25 12:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	MQL (Adj)	SDL	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.67		0.425	0.450	1.00	0.301	pCi/L	02/21/25 07:25	03/17/25 08:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.3*		*30 - 110*	*02/21/25 07:25*	*03/17/25 08:37*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	MQL (Adj)	SDL	Unit	Prepared	Analyzed	Dil Fac
Radium-228	9.21	G	1.48	1.70	1.00	1.16	pCi/L	02/21/25 07:29	03/14/25 14:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.3*		*30 - 110*	*02/21/25 07:29*	*03/14/25 14:39*	*1*
Y Carrier	*77.8*		*30 - 110*	*02/21/25 07:29*	*03/14/25 14:39*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	MQL (Adj)	SDL	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	10.9		1.54	1.76	5.00	1.16	pCi/L		03/17/25 14:19	1

Client Sample ID: 2502229-06 (JKS-72-20250212-CCR)

Lab Sample ID: 160-57217-2
Matrix: Water
Date Collected: 02/12/25 09:05
Date Received: 02/18/25 12:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	MQL (Adj)	SDL	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.44		0.502	0.548	1.00	0.287	pCi/L	02/21/25 07:25	03/17/25 08:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.8*		*30 - 110*	*02/21/25 07:25*	*03/17/25 08:37*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	MQL (Adj)	SDL	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.37	G	0.937	0.962	1.00	1.22	pCi/L	02/21/25 07:29	03/14/25 14:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.8*		*30 - 110*	*02/21/25 07:29*	*03/14/25 14:39*	*1*
Y Carrier	*77.0*		*30 - 110*	*02/21/25 07:29*	*03/14/25 14:39*	*1*

Client Sample ID: 2502229-06 (JKS-72-20250212-CCR)

Lab Sample ID: 160-57217-2
Date Collected: 02/12/25 09:05
Matrix: Water
Date Received: 02/18/25 12:00

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	MQL (Adj)	SDL	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	4.80		1.06	1.11	5.00	1.22	pCi/L		03/17/25 14:19	1

Client Sample ID: 2502229-07 (FB-001-20250212)

Lab Sample ID: 160-57217-3
Date Collected: 02/12/25 10:00
Matrix: Water
Date Received: 02/18/25 12:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	MQL (Adj)	SDL	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0465	U	0.0847	0.0848	1.00	0.198	pCi/L	02/21/25 07:25	03/17/25 08:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.3*		*30 - 110*	*02/21/25 07:25*	*03/17/25 08:37*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	MQL (Adj)	SDL	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0842	U	0.400	0.400	1.00	0.769	pCi/L	02/21/25 07:29	03/14/25 14:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.3*		*30 - 110*	*02/21/25 07:29*	*03/14/25 14:39*	*1*
Y Carrier	*65.8*		*30 - 110*	*02/21/25 07:29*	*03/14/25 14:39*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	MQL (Adj)	SDL	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	-0.131	U	0.409	0.409	5.00	0.769	pCi/L		03/17/25 14:19	1

Client Sample ID: 2502229-08 (EB-001-20250212)

Lab Sample ID: 160-57217-4
Date Collected: 02/12/25 12:15
Matrix: Water
Date Received: 02/18/25 12:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	MQL (Adj)	SDL	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.00987	U	0.0779	0.0779	1.00	0.170	pCi/L	02/21/25 07:25	03/17/25 08:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.8*		*30 - 110*	*02/21/25 07:25*	*03/17/25 08:37*	*1*

Client: San Antonio Testing Laboratory Inc
Project/Site: 2502229

Job ID: 160-57217-1

Client Sample ID: 2502229-08 (EB-001-20250212)

Lab Sample ID: 160-57217-4

Date Collected: 02/12/25 12:15
Matrix: Water
Date Received: 02/18/25 12:00

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	MQL (Adj)	SDL	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.430	U	0.419	0.421	1.00	0.672	pCi/L	02/21/25 07:29	03/14/25 14:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.8*		*30 - 110*	*02/21/25 07:29*	*03/14/25 14:39*	*1*
Y Carrier	*68.0*		*30 - 110*	*02/21/25 07:29*	*03/14/25 14:39*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	MQL (Adj)	SDL	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.420	U	0.426	0.428	5.00	0.672	pCi/L		03/17/25 14:19	1

Client Sample ID: 2502229-09 (BD-001-20250212)

Lab Sample ID: 160-57217-5

Date Collected: 02/12/25 07:30
Matrix: Water
Date Received: 02/18/25 12:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	MQL (Adj)	SDL	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**3.14**		0.594	0.658	1.00	0.361	pCi/L	02/21/25 07:25	03/17/25 08:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.8*		*30 - 110*	*02/21/25 07:25*	*03/17/25 08:37*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	MQL (Adj)	SDL	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**4.21**	**G**	1.12	1.19	1.00	1.18	pCi/L	02/21/25 07:29	03/14/25 14:39	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.8*		*30 - 110*	*02/21/25 07:29*	*03/14/25 14:39*	*1*
Y Carrier	*77.4*		*30 - 110*	*02/21/25 07:29*	*03/14/25 14:39*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	MQL (Adj)	SDL	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**7.35**		1.27	1.36	5.00	1.18	pCi/L		03/17/25 14:19	1

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-704053/1-A
Matrix: Water
Analysis Batch: 708118

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 704053

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	MQL (Adj)	SDL	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.09452	U	0.108	0.108	1.00	0.174	pCi/L	02/21/25 07:25	03/17/25 08:34	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.4*		*30 - 110*	*02/21/25 07:25*	*03/17/25 08:34*	*1*

Lab Sample ID: LCS 160-704053/2-A
Matrix: Water
Analysis Batch: 708118

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 704053

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	MQL (Adj)	SDL	Unit	%Rec	%Rec Limits		
Radium-226			9.58	10.18		1.16	1.00	0.164	pCi/L	106	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*84.8*		*30 - 110*

Lab Sample ID: 280-203177-C-1-A MSD
Matrix: Water
Analysis Batch: 708341

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 704053

Analyte	Sample Result	Sample Qual	Spike Added	MSD Result	MSD Qual	Total Uncert. (2σ+/-)	MQL (Adj)	SDL	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-226	0.164		9.56	10.39		1.15	1.00	0.129	pCi/L	107	60 - 140	0.08	1

Carrier	*MSD %Yield*	*MSD Qualifier*	*Limits*
Ba Carrier	*91.8*		*30 - 110*

Lab Sample ID: 280-203177-E-1-A MS
Matrix: Water
Analysis Batch: 708341

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 704053

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	MQL (Adj)	SDL	Unit	%Rec	%Rec Limits		
Radium-226	0.164		9.53	10.58		1.17	1.00	0.167	pCi/L	109	60 - 140		

Carrier	*MS %Yield*	*MS Qualifier*	*Limits*
Ba Carrier	*88.6*		*30 - 110*

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-704056/1-A
Matrix: Water
Analysis Batch: 707813

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 704056

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	MQL (Adj)	SDL	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.6328	U	0.447	0.451	1.00	0.675	pCi/L	02/21/25 07:29	03/14/25 14:25	1

Method: 904.0 - Radium-228 (GFPC) (Continued)

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	77.4		30 - 110	02/21/25 07:29	03/14/25 14:25	1
Y Carrier	73.3		30 - 110	02/21/25 07:29	03/14/25 14:25	1

Lab Sample ID: LCS 160-704056/2-A
Matrix: Water
Analysis Batch: 707813

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 704056

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	MQL (Adj)	SDL	Unit	%Rec	%Rec Limits		
Radium-228			8.02	10.10		1.42	1.00	0.520	pCi/L	126	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	84.8		30 - 110
Y Carrier	71.0		30 - 110

Lab Sample ID: 280-203177-C-1-B MSD
Matrix: Water
Analysis Batch: 707649

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 704056

Analyte	Sample Result	Sample Qual	Spike Added	MSD Result	MSD Qual	Total Uncert. (2σ+/-)	MQL (Adj)	SDL	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-228	0.118	U	8.01	9.257		1.30	1.00	0.586	pCi/L	114	60 - 140	0.12	1

Carrier	MSD %Yield	MSD Qualifier	Limits
Ba Carrier	91.8		30 - 110
Y Carrier	75.5		30 - 110

Lab Sample ID: 280-203177-E-1-B MS
Matrix: Water
Analysis Batch: 707649

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 704056

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	MQL (Adj)	SDL	Unit	%Rec	%Rec Limits		
Radium-228	0.118	U	7.98	8.943		1.25	1.00	0.522	pCi/L	111	60 - 140		

Carrier	MS %Yield	MS Qualifier	Limits
Ba Carrier	88.6		30 - 110
Y Carrier	80.7		30 - 110

QC Association Summary

Client: San Antonio Testing Laboratory Inc
Project/Site: 2502229

Job ID: 160-57217-1

Rad

Prep Batch: 704053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-57217-1	2502229-05 (JKS-71-20250212-CCR)	Total/NA	Water	PrecSep-21	
160-57217-2	2502229-06 (JKS-72-20250212-CCR)	Total/NA	Water	PrecSep-21	
160-57217-3	2502229-07 (FB-001-20250212)	Total/NA	Water	PrecSep-21	
160-57217-4	2502229-08 (EB-001-20250212)	Total/NA	Water	PrecSep-21	
160-57217-5	2502229-09 (BD-001-20250212)	Total/NA	Water	PrecSep-21	
MB 160-704053/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-704053/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
280-203177-C-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	PrecSep-21	
280-203177-E-1-A MS	Matrix Spike	Total/NA	Water	PrecSep-21	

Prep Batch: 704056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-57217-1	2502229-05 (JKS-71-20250212-CCR)	Total/NA	Water	PrecSep_0	
160-57217-2	2502229-06 (JKS-72-20250212-CCR)	Total/NA	Water	PrecSep_0	
160-57217-3	2502229-07 (FB-001-20250212)	Total/NA	Water	PrecSep_0	
160-57217-4	2502229-08 (EB-001-20250212)	Total/NA	Water	PrecSep_0	
160-57217-5	2502229-09 (BD-001-20250212)	Total/NA	Water	PrecSep_0	
MB 160-704056/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-704056/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
280-203177-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	PrecSep_0	
280-203177-E-1-B MS	Matrix Spike	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

Client: San Antonio Testing Laboratory Inc
Project/Site: 2502229

Job ID: 160-57217-1

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)
		Ba
Lab Sample ID	Client Sample ID	(30-110)
160-57217-1	2502229-05 (JKS-71-20250212-	83.3
160-57217-2	2502229-06 (JKS-72-20250212-CCR)	86.8
160-57217-3	2502229-07 (FB-001-20250212)	80.3
160-57217-4	2502229-08 (EB-001-20250212)	85.8
160-57217-5	2502229-09 (BD-001-20250212)	80.8
280-203177-C-1-A MSD	Matrix Spike Duplicate	91.8
280-203177-E-1-A MS	Matrix Spike	88.6
LCS 160-704053/2-A	Lab Control Sample	84.8
MB 160-704053/1-A	Method Blank	77.4

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
		Ba	Y
Lab Sample ID	Client Sample ID	(30-110)	(30-110)
160-57217-1	2502229-05 (JKS-71-20250212-	83.3	77.8
160-57217-2	2502229-06 (JKS-72-20250212-CCR)	86.8	77.0
160-57217-3	2502229-07 (FB-001-20250212)	80.3	65.8
160-57217-4	2502229-08 (EB-001-20250212)	85.8	68.0
160-57217-5	2502229-09 (BD-001-20250212)	80.8	77.4
280-203177-C-1-B MSD	Matrix Spike Duplicate	91.8	75.5
280-203177-E-1-B MS	Matrix Spike	88.6	80.7
LCS 160-704056/2-A	Lab Control Sample	84.8	71.0
MB 160-704056/1-A	Method Blank	77.4	73.3

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

Appendix A
Laboratory Data Package Cover Page - Page 1 of 4

This data package is for Eurofins St. Louis job number 160-57217-1 and consists of:

- ☑ R1 - Field chain-of-custody documentation;
- ☑ R2 - Sample identification cross-reference;
- ☑ R3 - Test reports (analytical data sheets) for each environmental sample that includes:
  - a. Items consistent with NELAC Chapter 5,
  - b. dilution factors,
  - c. preparation methods,
  - d. cleanup methods, and
  - e. if required for the project, tentatively identified compounds (TICs).
- ☐ R4 - Surrogate recovery data including:
  - a. Calculated recovery (%R), and
  - b. The laboratory's surrogate QC limits.
- ☑ R5 - Test reports/summary forms for blank samples;
- ☑ R6 - Test reports/summary forms for laboratory control samples (LCSs) including:
  - a. LCS spiking amounts,
  - b. Calculated %R for each analyte, and
  - c. The laboratory's LCS QC limits.
- ☐ R7 - Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a. Samples associated with the MS/MSD clearly identified,
  - b. MS/MSD spiking amounts,
  - c. Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  - d. Calculated %Rs and relative percent differences (RPDs), and
  - e. The laboratory's MS/MSD QC limits
- ☐ R8 - Laboratory analytical duplicate (if applicable) recovery and precision:
  - a. The amount of analyte measured in the duplicate,
  - b. The calculated RPD, and
  - c. The laboratory's QC limits for analytical duplicates.
- ☑ R9 - List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.
- ☑ R10 - Other problems or anomalies.

The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Micha Korrinhizer		3/18/2025
Name (printed)	Signature	Date

Project Manager
Official Title (printed)

Laboratory Review Checklist: Reportable Data - Page 2 of 4

Laboratory Name:	Eurofins St. Louis	LRC Date:	3/18/2025
Project Name:	2502229	Laboratory Job Number:	160-57217-1
Reviewer Name:	Micha Korrinhizer		

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?		X			R01A
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, are TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?			X		
		Were MS/MSD analyzed at the appropriate frequency?			X		
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?			X		
		Were MS/MSD RPDs within laboratory QC limits?			X		
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review checklist: Supporting Data - Page 3 of 4

Laboratory Name:	Eurofins St. Louis	LRC Date:	3/18/2025
Project Name:	2502229	Laboratory Job Number:	160-57217-1
Reviewer Name:	Micha Korrinhizer		

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICV and CCV) and continuing calibration blank (CCB):**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS)**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC Section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs)**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results**					
		Were percent recoveries within method QC limits?			X		
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs)**					
		Are laboratory SOPs current and on file for each method performed?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
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3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports - Page 4 of 4

Laboratory Name:	Eurofins St. Louis	LRC Date:	3/18/2025
Project Name:	2502229	Laboratory Job Number:	160-57217-1
Reviewer Name:	Micha Korrinhizer		

ER #[1]	Description
R01A	The reference method requires samples to have a pH of less than 2. The following samples were received with a pH of 7: 2502229-05 (JKS-71-20250212-CCR) (160-57217-1), 2502229-06 (JKS-72-20250212-CCR) (160-57217-2), 2502229-07 (FB-001-20250212) (160-57217-3), 2502229-08 (EB-001-20250212) (160-57217-4) and 2502229-09 (BD-001-20250212) (160-57217-5). The samples were adjusted to the appropriate pH in the laboratory.Affected containers:A-1A-2A-3A-4A-5
Misc	Method 904.0: Radium 228 batch 704056The LCS recovered at (126%). The limits in our LIMS system at 75-125 reflect the requirements of a regulatory agency that represents a large amount of our work. However the samples associated with this LCS are not from this agency and are therefore held to our in-house statistical limits of (68-154%) per method requirements. The LCS passes, no further action is required (LCS 160-704056/2-A) Samplers name is not on the COC.2502229-05 (JKS-71-20250212-CCR) (160-57217-1), 2502229-06 (JKS-72-20250212-CCR) (160-57217-2), 2502229-07 (FB-001-20250212) (160-57217-3), 2502229-08 (EB-001-20250212) (160-57217-4) and 2502229-09 (BD-001-20250212) (160-57217-5)

1. Items identified by the letter “R” must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter “S” should be retained and made available upon request for the appropriate retention period.
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1 2 3 4 5 6 7 8 9 10 11 12

ANALYTICAL REPORT

PREPARED FOR

Attn: Marcela Hawk
San Antonio Testing Laboratory Inc
1610 S Laredo Street
San Antonio, Texas 78207

Generated 5/14/2025 3:15:45 PM

JOB DESCRIPTION

2502229

JOB NUMBER

160-57217-2

Eurofins St. Louis
13715 Rider Trail North
Earth City MO 63045

See page two for job notes and contact information.

Eurofins St. Louis

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

Authorization

Generated
5/14/2025 3:15:45 PM

Authorized for release by
Micha Korrinhizer, Project Manager
Micha.Korrinhizer@et.eurofinsus.com
(314)298-8566

Table of Contents

CASE NARRATIVE

Client: San Antonio Testing Laboratory, Inc.

Project: 2502229

Report Number: 160-57217-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

Eurofins Environment Testing attests to the validity of the laboratory data generated by Eurofins facilities reported herein. All analyses performed by Eurofins Environment Testing facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins Environment Testing's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Proper preservation was noted for the methods performed on these samples, unless otherwise detailed below.

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

This laboratory report is confidential and is intended for the sole use of Eurofins Environment Testing and its client.

No additional analytical or quality issues were noted, other than those described below or in the Definitions/ Glossary page.

Receipt
The samples were received on 2/18/2025 12:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.0°C.

Receipt Exceptions
The reference method requires samples to have a pH of less than 2 SU. The following samples were received with a pH of 7 SU: 2502229-05 (JKS-71-20250212-CCR) (160-57217-1), 2502229-06 (JKS-72-20250212-CCR) (160-57217-2), 2502229-07 (FB-001-20250212) (160-57217-3), 2502229-08 (EB-001-20250212) (160-57217-4) and 2502229-09 (BD-001-20250212) (160-57217-5). The samples were adjusted to the appropriate pH in the laboratory.

Method 6010D - Metals (ICP)
Samples 2502229-05 (JKS-71-20250212-CCR) (160-57217-1), 2502229-06 (JKS-72-20250212-CCR) (160-57217-2), 2502229-07 (FB-001-20250212) (160-57217-3), 2502229-08 (EB-001-20250212) (160-57217-4) and 2502229-09 (BD-001-20250212) (160-57217-5) were analyzed for Metals (ICP). The samples were prepared on 5/2/2025 and analyzed on 5/13/2025 and 5/14/2025.

The following samples were diluted due to the presence of calcium which interferes with lithium: 2502229-05 (JKS-71-20250212-CCR) (160-57217-1), 2502229-06 (JKS-72-20250212-CCR) (160-57217-2) and 2502229-09 (BD-001-20250212) (160-57217-5). Elevated reporting limits (RLs) are provided.

SAN ANTONIO TESTING LABORATORY, LLC
1610 S. Laredo Street, San Antonio, Texas 78207
(210) 229-9920 • Fax (210) 229-9921
www.satestinglab.com

CHAIN-OF-CUSTODY RECORD

REPORT TO:	INVOICE TO:	P.O. #
COMPANY SATL	COMPANY SATL	REPORT NUMBER
ADDRESS	ADDRESS	
CITY STATE ZIP	CITY STATE ZIP	E-MAIL
ATTN Aimee Landon PHONE #	ATTN Elizabeth PHONE #	

PROJECT NAME/LOCATION/SITE

PROJECT NO

SAMPLED BY

REQUESTED TURNAROUND TIME IN BUSINESS DAYS & SURCHARGE: ☐ 7-10 Days REG ☐ 5 Days +25% ☐ 4 Days +50% ☐ 3 DAYS +75% ☐ 2 DAYS +100% ☐ Next Day +150% ☐ SAME DAY WHEN POSSIBLE +300%

THE TURNAROUND TIME FOR SAMPLES RECEIVED AFTER 3:00 PM SHALL BEGIN AT 8:00 AM THE FOLLOWING BUSINESS DAY / SPECIAL REQ

DATA TO TCEQ ☐ RRC ☐ Other (Specify) ☐ — Field pH ___ Temp ___ °C LCS/D ___ Dup ___

SAMPLE TEMPERATURE WITHIN COMPLIANCE (> 0°C ≤ 6°C) ☐ YES ☐ NO
PROPER CONTAINERS INTACT ☐ YES ☐ NO
INSUFFICIENT SAMPLE FOR (TCLP/SPLP/OTHER) ☐ YES ☐ NO — IF NO, INITIAL HERE TO AUTHORIZE ANALYSIS ___ AUTHORIZE TO PROCEED

OBSERVED TEMP / CORRECTED TEMP / TEMP IR GUN # / SAMPLE ICED ☐ YES ☐ NO / TRRP 13 ☐ APPENDIX A ☐ / PST/PCLS ☐ SIM/LOW LEVEL ☐ / TSDF Class 2 ☐ PERMIT ☐

ANALYSIS REQUESTED: BTEX/MTBE 8260 / TPH TX1005/TX1006; Metals 8 / 11 / 12 / 13 / TCLP / SPLP / Total; PAH / SVOC / 8270 / 625.1 / TCLP / SPLP / Total; VOC / 8260 / 624.1 / TCLP / SPLP / Total; Water Quality - Drinking / Livestock / Irrigation; Coli / TC / FC / HPC / EColi / Enterococci / O-Tray; Br / Cl / F / NO3 / NO2/O-P / SO4; Herb 8151A; PCB/8082A - Pest / 608.3 / 8081A / TCLP / SPLP / Total; ~~Reactive Deactivation~~; 6010 - Lithium

PRESERVED WITH: HCl, H2SO4, HNO3, NaOH, ZnAc, NONE, OTHER; PRESERVED IN THE LAB, COMPOSITED IN THE LAB, FILTERED IN THE LAB, FILTERED IN THE FIELD, VOA AIR BUBBLES

SAMPLE NUMBER	DATE	TIME	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	SAMPLE AMOUNT	CONTAINER SIZE	~~Reactive~~	6010 - Lithium	REMARKS
1	2/12/25	1445	JKS-71-20250212-CCR	1	gal	gal	~~x~~	X	2502229-05
2	|	1405	JKS-72-20250212-CCR	|	|	|	|	|	-06
3	|	1000	FB-001-20250212	|	|	|	|	|	-07
4	|	1215	EB-001-20250212	|	|	|	|	|	-08
5	|	0730	BD-001-20250212	|	|	|	|	|	-09

CPR 5/1/25

160-57217 Chain of Custody

TRRP Report
Equis 5X EDD

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	DATE / TIME	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	DATE / TIME
[signature]	2/14/25	M. Pinette	FEB 18 2025				
RELINQUISHED BY (PRINT NAME) Aimee Landon	1700	RECEIVED BY (PRINT NAME) Meadow Pinette	1200	RELINQUISHED BY (PRINT NAME)	DATE / TIME	RECEIVED BY (PRINT NAME)	DATE / TIME
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	DATE / TIME	METHOD OF SHIPMENT		SUBCONTRACTED ☐ YES ☐ NO	
RELINQUISHED BY (PRINT NAME)	DATE / TIME	RECEIVED BY (PRINT NAME)	DATE / TIME	BULK ☐ (Initial) 5035 ☐ N/A ☐		CUSTODY SEAL IN PLACE & INTACT ☐ YES ☐ NO	

Login Sample Receipt Checklist

Client: San Antonio Testing Laboratory Inc

Job Number: 160-57217-2

Login Number: 57217
List Number: 1
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Samplers name is not on the COC
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	Preserved upon arrival
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
SDL	Sample Detection Limit
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method Summary

Client: San Antonio Testing Laboratory Inc
Project/Site: 2502229

Job ID: 160-57217-2

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	EET SL
3010A	Preparation, Total Metals	SW846	EET SL

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: San Antonio Testing Laboratory Inc
Project/Site: 2502229

Job ID: 160-57217-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-57217-1	2502229-05 (JKS-71-20250212-CCR)	Water	02/12/25 14:45	02/18/25 12:00
160-57217-2	2502229-06 (JKS-72-20250212-CCR)	Water	02/12/25 09:05	02/18/25 12:00
160-57217-3	2502229-07 (FB-001-20250212)	Water	02/12/25 10:00	02/18/25 12:00
160-57217-4	2502229-08 (EB-001-20250212)	Water	02/12/25 12:15	02/18/25 12:00
160-57217-5	2502229-09 (BD-001-20250212)	Water	02/12/25 07:30	02/18/25 12:00

Client: San Antonio Testing Laboratory Inc
Project/Site: 2502229

Job ID: 160-57217-2

Client Sample ID: 2502229-05 (JKS-71-20250212-CCR)

Lab Sample ID: 160-57217-1
Matrix: Water
Date Collected: 02/12/25 14:45
Date Received: 02/18/25 12:00

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	530		500	150	ug/L		05/02/25 13:27	05/14/25 09:37	10

Client Sample ID: 2502229-06 (JKS-72-20250212-CCR)

Lab Sample ID: 160-57217-2
Matrix: Water
Date Collected: 02/12/25 09:05
Date Received: 02/18/25 12:00

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	ND		500	150	ug/L		05/02/25 13:27	05/14/25 09:42	10

Client Sample ID: 2502229-07 (FB-001-20250212)

Lab Sample ID: 160-57217-3
Matrix: Water
Date Collected: 02/12/25 10:00
Date Received: 02/18/25 12:00

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	ND		50	15	ug/L		05/02/25 13:27	05/13/25 14:18	1

Client Sample ID: 2502229-08 (EB-001-20250212)

Lab Sample ID: 160-57217-4
Matrix: Water
Date Collected: 02/12/25 12:15
Date Received: 02/18/25 12:00

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	ND		50	15	ug/L		05/02/25 13:27	05/13/25 14:22	1

Client Sample ID: 2502229-09 (BD-001-20250212)

Lab Sample ID: 160-57217-5
Matrix: Water
Date Collected: 02/12/25 07:30
Date Received: 02/18/25 12:00

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	ND		500	150	ug/L		05/02/25 13:27	05/14/25 09:46	10

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 160-715725/1-A
Matrix: Water
Analysis Batch: 717367

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 715725

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	ND		50	15	ug/L		05/02/25 13:27	05/13/25 12:47	1

Lab Sample ID: LCS 160-715725/2-A
Matrix: Water
Analysis Batch: 717367

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715725

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Lithium			100	107		ug/L		107	80 - 120		

Lab Sample ID: 160-57943-A-4-E MS
Matrix: Water
Analysis Batch: 717367

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 715725

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Lithium	ND		100	111		ug/L		111	75 - 125		

Lab Sample ID: 160-57943-A-4-F MSD
Matrix: Water
Analysis Batch: 717367

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 715725

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lithium	ND		100	109		ug/L		109	75 - 125	2	20

QC Association Summary

Client: San Antonio Testing Laboratory Inc
Project/Site: 2502229

Job ID: 160-57217-2

Metals

Prep Batch: 715725

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-57217-1	2502229-05 (JKS-71-20250212-CCR)	Total/NA	Water	3010A	
160-57217-2	2502229-06 (JKS-72-20250212-CCR)	Total/NA	Water	3010A	
160-57217-3	2502229-07 (FB-001-20250212)	Total/NA	Water	3010A	
160-57217-4	2502229-08 (EB-001-20250212)	Total/NA	Water	3010A	
160-57217-5	2502229-09 (BD-001-20250212)	Total/NA	Water	3010A	
MB 160-715725/1-A	Method Blank	Total/NA	Water	3010A	
LCS 160-715725/2-A	Lab Control Sample	Total/NA	Water	3010A	
160-57943-A-4-E MS	Matrix Spike	Total/NA	Water	3010A	
160-57943-A-4-F MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	

Analysis Batch: 717367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-57217-3	2502229-07 (FB-001-20250212)	Total/NA	Water	6010D	715725
160-57217-4	2502229-08 (EB-001-20250212)	Total/NA	Water	6010D	715725
MB 160-715725/1-A	Method Blank	Total/NA	Water	6010D	715725
LCS 160-715725/2-A	Lab Control Sample	Total/NA	Water	6010D	715725
160-57943-A-4-E MS	Matrix Spike	Total/NA	Water	6010D	715725
160-57943-A-4-F MSD	Matrix Spike Duplicate	Total/NA	Water	6010D	715725

Analysis Batch: 717544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-57217-1	2502229-05 (JKS-71-20250212-CCR)	Total/NA	Water	6010D	715725
160-57217-2	2502229-06 (JKS-72-20250212-CCR)	Total/NA	Water	6010D	715725
160-57217-5	2502229-09 (BD-001-20250212)	Total/NA	Water	6010D	715725

Appendix A
Laboratory Data Package Cover Page - Page 1 of 4

This data package is for Eurofins St. Louis job number 160-57217-2 and consists of:

- ☑ R1 - Field chain-of-custody documentation;
- ☑ R2 - Sample identification cross-reference;
- ☑ R3 - Test reports (analytical data sheets) for each environmental sample that includes:
  - a. Items consistent with NELAC Chapter 5,
  - b. dilution factors,
  - c. preparation methods,
  - d. cleanup methods, and
  - e. if required for the project, tentatively identified compounds (TICs).
- ☐ R4 - Surrogate recovery data including:
  - a. Calculated recovery (%R), and
  - b. The laboratory's surrogate QC limits.
- ☑ R5 - Test reports/summary forms for blank samples;
- ☑ R6 - Test reports/summary forms for laboratory control samples (LCSs) including:
  - a. LCS spiking amounts,
  - b. Calculated %R for each analyte, and
  - c. The laboratory's LCS QC limits.
- ☑ R7 - Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a. Samples associated with the MS/MSD clearly identified,
  - b. MS/MSD spiking amounts,
  - c. Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  - d. Calculated %Rs and relative percent differences (RPDs), and
  - e. The laboratory's MS/MSD QC limits
- ☐ R8 - Laboratory analytical duplicate (if applicable) recovery and precision:
  - a. The amount of analyte measured in the duplicate,
  - b. The calculated RPD, and
  - c. The laboratory's QC limits for analytical duplicates.
- ☑ R9 - List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.
- ☑ R10 - Other problems or anomalies.

The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Micha Korrinhizer		5/14/2025
Name (printed)	Signature	Date

Project Manager
Official Title (printed)

Laboratory Review Checklist: Reportable Data - Page 2 of 4

Laboratory Name:	Eurofins St. Louis	LRC Date:	5/14/2025
Project Name:	2502229	Laboratory Job Number:	160-57217-2
Reviewer Name:	Micha Korrinhizer		

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?		X			R01A
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, are TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?		X			R10B
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review checklist: Supporting Data - Page 3 of 4

Laboratory Name:	Eurofins St. Louis	LRC Date:	5/14/2025
Project Name:	2502229	Laboratory Job Number:	160-57217-2
Reviewer Name:	Micha Korrinhizer		

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICV and CCV) and continuing calibration blank (CCB):**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS)**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC Section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs)**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs)**					
		Are laboratory SOPs current and on file for each method performed?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports - Page 4 of 4

Laboratory Name:	Eurofins St. Louis	LRC Date:	5/14/2025
Project Name:	2502229	Laboratory Job Number:	160-57217-2
Reviewer Name:	Micha Korrinhizer		

ER #[1]	Description
R01A	The reference method requires samples to have a pH of less than 2. The following samples were received with a pH of 7: 2502229-05 (JKS-71-20250212-CCR) (160-57217-1), 2502229-06 (JKS-72-20250212-CCR) (160-57217-2), 2502229-07 (FB-001-20250212) (160-57217-3), 2502229-08 (EB-001-20250212) (160-57217-4) and 2502229-09 (BD-001-20250212) (160-57217-5). The samples were adjusted to the appropriate pH in the laboratory.Affected containers:A-1A-2A-3A-4A-5
R10B	Method 6010D: The following samples were diluted due to the presence of calcium which interferes with lithium: 2502229-05 (JKS-71-20250212-CCR) (160-57217-1), 2502229-06 (JKS-72-20250212-CCR) (160-57217-2) and 2502229-09 (BD-001-20250212) (160-57217-5). Elevated reporting limits (RLs) are provided.
Misc	Samplers name is not on the COC.2502229-05 (JKS-71-20250212-CCR) (160-57217-1), 2502229-06 (JKS-72-20250212-CCR) (160-57217-2), 2502229-07 (FB-001-20250212) (160-57217-3), 2502229-08 (EB-001-20250212) (160-57217-4) and 2502229-09 (BD-001-20250212) (160-57217-5)

1. Items identified by the letter “R” must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter “S” should be retained and made available upon request for the appropriate retention period.
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3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if “NR” or “No” is checked).

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12

ANALYTICAL REPORT

PREPARED FOR

Attn: Marcela Hawk
San Antonio Testing Laboratory Inc
1610 S Laredo Street
San Antonio, Texas 78207

Generated 5/14/2025 3:15:45 PM

JOB DESCRIPTION

2502229

JOB NUMBER

160-57217-2

Eurofins St. Louis
13715 Rider Trail North
Earth City MO 63045

See page two for job notes and contact information.

Eurofins St. Louis

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

Authorization

Generated
5/14/2025 3:15:45 PM

Authorized for release by
Micha Korrinhizer, Project Manager
Micha.Korrinhizer@et.eurofinsus.com
(314)298-8566

Table of Contents

CASE NARRATIVE

Client: San Antonio Testing Laboratory, Inc.

Project: 2502229

Report Number: 160-57217-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

Eurofins Environment Testing attests to the validity of the laboratory data generated by Eurofins facilities reported herein. All analyses performed by Eurofins Environment Testing facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins Environment Testing's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Proper preservation was noted for the methods performed on these samples, unless otherwise detailed below.

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

This laboratory report is confidential and is intended for the sole use of Eurofins Environment Testing and its client.

No additional analytical or quality issues were noted, other than those described below or in the Definitions/ Glossary page.

Receipt
The samples were received on 2/18/2025 12:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.0°C.

Receipt Exceptions
The reference method requires samples to have a pH of less than 2 SU. The following samples were received with a pH of 7 SU: 2502229-05 (JKS-71-20250212-CCR) (160-57217-1), 2502229-06 (JKS-72-20250212-CCR) (160-57217-2), 2502229-07 (FB-001-20250212) (160-57217-3), 2502229-08 (EB-001-20250212) (160-57217-4) and 2502229-09 (BD-001-20250212) (160-57217-5). The samples were adjusted to the appropriate pH in the laboratory.

Method 6010D - Metals (ICP)
Samples 2502229-05 (JKS-71-20250212-CCR) (160-57217-1), 2502229-06 (JKS-72-20250212-CCR) (160-57217-2), 2502229-07 (FB-001-20250212) (160-57217-3), 2502229-08 (EB-001-20250212) (160-57217-4) and 2502229-09 (BD-001-20250212) (160-57217-5) were analyzed for Metals (ICP). The samples were prepared on 5/2/2025 and analyzed on 5/13/2025 and 5/14/2025.

The following samples were diluted due to the presence of calcium which interferes with lithium: 2502229-05 (JKS-71-20250212-CCR) (160-57217-1), 2502229-06 (JKS-72-20250212-CCR) (160-57217-2) and 2502229-09 (BD-001-20250212) (160-57217-5). Elevated reporting limits (RLs) are provided.

CHAIN-OF-CUSTODY RECORD

SAN ANTONIO TESTING LABORATORY, LLC

1610 S. Laredo Street, San Antonio, Texas 78207
(210) 229-9920 • Fax (210) 229-9921
www.satestinglab.com

REPORT TO:	INVOICE TO:	P.O. #
COMPANY SAT	COMPANY SAT	REPORT NUMBER
ADDRESS	ADDRESS	
CITY STATE ZIP	CITY STATE ZIP	E-MAIL
ATTN Aimee Landon PHONE #	ATTN Elizabeth PHONE #	

REQUESTED TURNAROUND TIME IN BUSINESS DAYS & SURCHARGE: ☐ 7-10 Days REG ☐ 5 Days +25% ☐ 4 Days +50% ☐ 3 DAYS +75% ☐ 2 DAYS +100% ☐ Next Day +150% ☐ SAME DAY WHEN POSSIBLE +300%

THE TURNAROUND TIME FOR SAMPLES RECEIVED AFTER 3:00 PM SHALL BEGIN AT 8:00 AM THE FOLLOWING BUSINESS DAY

PROJECT NAME/LOCATION/SITE

PROJECT NO

SAMPLED BY

SPECIAL REQ

DATA TO TCEQ ☐ RRC ☐ Other (Specify) ☐

Field pH ___ Temp ___ °C LCS/D ___ Dup ___

SAMPLE TEMPERATURE WITHIN COMPLIANCE (0.0 C's 6°C) ☐ YES ☐ NO
PROPER CONTAINERS INTACT ☐ YES ☐ NO
INSUFFICIENT SAMPLE FOR (TCLP/SPLP/OTHER) ☐ YES ☐ NO
IF NO, INITIAL HERE TO AUTHORIZE ANALYSIS ___
AUTHORIZE TO PROCEED

OBSERVED TEMP / CORRECTED TEMP / TEMP I.R GUN # / SAMPLE ICED ☐ YES ☐ NO

TRRP 13 ☐ APPENDIX A ☐ PST RCLS ☐ SIM/LOW LEVEL ☐ TSDF Class 2 ☐ PERMIT ☐

ANALYSIS REQUESTED

SAMPLE NUMBER	COLLECTED DATE	COLLECTED TIME	MATRIX: DRINKING WATER	LIQUID	PAINT CHIPS	OIL	ORGANIC LIQUID	SOLID/SLUDGE	WIPE	OTHER	COMPOSITE	GRAB	CORE	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	SAMPLE AMOUNT	CONTAINER SIZE	BTEX/MTBE 8260 / TPH TX1005/TX1006	Metals 8 / 11 / 12 / 13 / TCLP / SPLP / Total	PAH / SVOC / 8270 / 625.1 / TCLP / SPLP / Total	VOC / 8260 / 624.1 / TCLP / SPLP / Total	Water Quality - Drinking / Livestock / Irrigation	Coli / TC / FC / HPC / EColi / Enterococci / Q-Tray	Br / Cl / F / NO3 / NO2/O-P / SO4	Herb 8151A	PCB/8082A - Pest / 608.3 / 8081A / TCLP / SPLP / Total	Total Dissolved Solids	6010 - Lithium	PRESERVED WITH: HCL / HNO3 / H2SO4 / NaOH / NaOH+ZN Acetate / HNO3	PRESERVED IN THE LAB / COMPOSITED IN THE LAB / FILTERED IN THE LAB / FILTERED IN THE FIELD / VOA AIR BUBBLES	REMARKS
1	2/12/25	1445													JLS-71-20250212-CCR	1	1 gal	gal										X	X	2502229-05
2		1505													JLS-72-20250012-CCR															-06
3		1000													FB-001-20250212															-07
4		1215													EB-001-20250212															-08
5		0730													BD-001-20250212															-09

CPR $1125

TRRP Report
Equis EX EDD

160-57217 Chain of Custody

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	DATE / TIME	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	DATE / TIME
Aimee Landon	2/14/25	M. Pinette	FEB 18 2025				
RELINQUISHED BY (PRINT NAME)	DATE / TIME	RECEIVED BY (PRINT NAME)	DATE / TIME	RELINQUISHED BY (PRINT NAME)	DATE / TIME	RECEIVED BY (PRINT NAME)	DATE / TIME
Aimee Landon	1700	Meadow Pinette	1200				
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	DATE / TIME	METHOD OF SHIPMENT		SUBCONTRACTED ☐ YES ☐ NO	
RELINQUISHED BY (PRINT NAME)	DATE / TIME	RECEIVED BY (PRINT NAME)	DATE / TIME	BULK ☐ (Initial) 5035 ☐ N/A ☐		CUSTODY SEAL IN PLACE & INTACT ☐ YES ☐ NO	

Login Sample Receipt Checklist

Client: San Antonio Testing Laboratory Inc

Job Number: 160-57217-2

Login Number: 57217
List Number: 1
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Samplers name is not on the COC
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	Preserved upon arrival
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
SDL	Sample Detection Limit
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method Summary

Client: San Antonio Testing Laboratory Inc
Project/Site: 2502229

Job ID: 160-57217-2

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	EET SL
3010A	Preparation, Total Metals	SW846	EET SL

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: San Antonio Testing Laboratory Inc
Project/Site: 2502229

Job ID: 160-57217-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-57217-1	2502229-05 (JKS-71-20250212-CCR)	Water	02/12/25 14:45	02/18/25 12:00
160-57217-2	2502229-06 (JKS-72-20250212-CCR)	Water	02/12/25 09:05	02/18/25 12:00
160-57217-3	2502229-07 (FB-001-20250212)	Water	02/12/25 10:00	02/18/25 12:00
160-57217-4	2502229-08 (EB-001-20250212)	Water	02/12/25 12:15	02/18/25 12:00
160-57217-5	2502229-09 (BD-001-20250212)	Water	02/12/25 07:30	02/18/25 12:00

Client: San Antonio Testing Laboratory Inc
Project/Site: 2502229

Job ID: 160-57217-2

Client Sample ID: 2502229-05 (JKS-71-20250212-CCR)

Lab Sample ID: 160-57217-1
Matrix: Water
Date Collected: 02/12/25 14:45
Date Received: 02/18/25 12:00

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	530		500	150	ug/L		05/02/25 13:27	05/14/25 09:37	10

Client Sample ID: 2502229-06 (JKS-72-20250212-CCR)

Lab Sample ID: 160-57217-2
Matrix: Water
Date Collected: 02/12/25 09:05
Date Received: 02/18/25 12:00

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	ND		500	150	ug/L		05/02/25 13:27	05/14/25 09:42	10

Client Sample ID: 2502229-07 (FB-001-20250212)

Lab Sample ID: 160-57217-3
Matrix: Water
Date Collected: 02/12/25 10:00
Date Received: 02/18/25 12:00

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	ND		50	15	ug/L		05/02/25 13:27	05/13/25 14:18	1

Client Sample ID: 2502229-08 (EB-001-20250212)

Lab Sample ID: 160-57217-4
Matrix: Water
Date Collected: 02/12/25 12:15
Date Received: 02/18/25 12:00

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	ND		50	15	ug/L		05/02/25 13:27	05/13/25 14:22	1

Client Sample ID: 2502229-09 (BD-001-20250212)

Lab Sample ID: 160-57217-5
Matrix: Water
Date Collected: 02/12/25 07:30
Date Received: 02/18/25 12:00

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	ND		500	150	ug/L		05/02/25 13:27	05/14/25 09:46	10

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 160-715725/1-A
Matrix: Water
Analysis Batch: 717367

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 715725

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	ND		50	15	ug/L		05/02/25 13:27	05/13/25 12:47	1

Lab Sample ID: LCS 160-715725/2-A
Matrix: Water
Analysis Batch: 717367

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 715725

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Lithium			100	107		ug/L		107	80 - 120		

Lab Sample ID: 160-57943-A-4-E MS
Matrix: Water
Analysis Batch: 717367

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 715725

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Lithium	ND		100	111		ug/L		111	75 - 125		

Lab Sample ID: 160-57943-A-4-F MSD
Matrix: Water
Analysis Batch: 717367

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 715725

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lithium	ND		100	109		ug/L		109	75 - 125	2	20

QC Association Summary

Client: San Antonio Testing Laboratory Inc
Project/Site: 2502229

Job ID: 160-57217-2

Metals

Prep Batch: 715725

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-57217-1	2502229-05 (JKS-71-20250212-CCR)	Total/NA	Water	3010A	
160-57217-2	2502229-06 (JKS-72-20250212-CCR)	Total/NA	Water	3010A	
160-57217-3	2502229-07 (FB-001-20250212)	Total/NA	Water	3010A	
160-57217-4	2502229-08 (EB-001-20250212)	Total/NA	Water	3010A	
160-57217-5	2502229-09 (BD-001-20250212)	Total/NA	Water	3010A	
MB 160-715725/1-A	Method Blank	Total/NA	Water	3010A	
LCS 160-715725/2-A	Lab Control Sample	Total/NA	Water	3010A	
160-57943-A-4-E MS	Matrix Spike	Total/NA	Water	3010A	
160-57943-A-4-F MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	

Analysis Batch: 717367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-57217-3	2502229-07 (FB-001-20250212)	Total/NA	Water	6010D	715725
160-57217-4	2502229-08 (EB-001-20250212)	Total/NA	Water	6010D	715725
MB 160-715725/1-A	Method Blank	Total/NA	Water	6010D	715725
LCS 160-715725/2-A	Lab Control Sample	Total/NA	Water	6010D	715725
160-57943-A-4-E MS	Matrix Spike	Total/NA	Water	6010D	715725
160-57943-A-4-F MSD	Matrix Spike Duplicate	Total/NA	Water	6010D	715725

Analysis Batch: 717544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-57217-1	2502229-05 (JKS-71-20250212-CCR)	Total/NA	Water	6010D	715725
160-57217-2	2502229-06 (JKS-72-20250212-CCR)	Total/NA	Water	6010D	715725
160-57217-5	2502229-09 (BD-001-20250212)	Total/NA	Water	6010D	715725

Appendix A
Laboratory Data Package Cover Page - Page 1 of 4

This data package is for Eurofins St. Louis job number 160-57217-2 and consists of:

- ☑ R1 - Field chain-of-custody documentation;
- ☑ R2 - Sample identification cross-reference;
- ☑ R3 - Test reports (analytical data sheets) for each environmental sample that includes:
  - a. Items consistent with NELAC Chapter 5,
  - b. dilution factors,
  - c. preparation methods,
  - d. cleanup methods, and
  - e. if required for the project, tentatively identified compounds (TICs).
- ☐ R4 - Surrogate recovery data including:
  - a. Calculated recovery (%R), and
  - b. The laboratory's surrogate QC limits.
- ☑ R5 - Test reports/summary forms for blank samples;
- ☑ R6 - Test reports/summary forms for laboratory control samples (LCSs) including:
  - a. LCS spiking amounts,
  - b. Calculated %R for each analyte, and
  - c. The laboratory's LCS QC limits.
- ☑ R7 - Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a. Samples associated with the MS/MSD clearly identified,
  - b. MS/MSD spiking amounts,
  - c. Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  - d. Calculated %Rs and relative percent differences (RPDs), and
  - e. The laboratory's MS/MSD QC limits
- ☐ R8 - Laboratory analytical duplicate (if applicable) recovery and precision:
  - a. The amount of analyte measured in the duplicate,
  - b. The calculated RPD, and
  - c. The laboratory's QC limits for analytical duplicates.
- ☑ R9 - List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.
- ☑ R10 - Other problems or anomalies.

The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Micha Korrinhizer		5/14/2025
Name (printed)	Signature	Date

Project Manager
Official Title (printed)

Laboratory Review Checklist: Reportable Data - Page 2 of 4

Laboratory Name:	Eurofins St. Louis	LRC Date:	5/14/2025
Project Name:	2502229	Laboratory Job Number:	160-57217-2
Reviewer Name:	Micha Korrinhizer		

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?		X			R01A
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, are TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?		X			R10B
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review checklist: Supporting Data - Page 3 of 4

Laboratory Name:	Eurofins St. Louis	LRC Date:	5/14/2025
Project Name:	2502229	Laboratory Job Number:	160-57217-2
Reviewer Name:	Micha Korrinhizer		

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICV and CCV) and continuing calibration blank (CCB):**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS)**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC Section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs)**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs)**					
		Are laboratory SOPs current and on file for each method performed?	X				

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Laboratory Review Checklist: Exception Reports - Page 4 of 4

Laboratory Name:	Eurofins St. Louis	LRC Date:	5/14/2025
Project Name:	2502229	Laboratory Job Number:	160-57217-2
Reviewer Name:	Micha Korrinhizer		

ER #[1]	Description
R01A	The reference method requires samples to have a pH of less than 2. The following samples were received with a pH of 7: 2502229-05 (JKS-71-20250212-CCR) (160-57217-1), 2502229-06 (JKS-72-20250212-CCR) (160-57217-2), 2502229-07 (FB-001-20250212) (160-57217-3), 2502229-08 (EB-001-20250212) (160-57217-4) and 2502229-09 (BD-001-20250212) (160-57217-5). The samples were adjusted to the appropriate pH in the laboratory.Affected containers:A-1A-2A-3A-4A-5
R10B	Method 6010D: The following samples were diluted due to the presence of calcium which interferes with lithium: 2502229-05 (JKS-71-20250212-CCR) (160-57217-1), 2502229-06 (JKS-72-20250212-CCR) (160-57217-2) and 2502229-09 (BD-001-20250212) (160-57217-5). Elevated reporting limits (RLs) are provided.
Misc	Samplers name is not on the COC.2502229-05 (JKS-71-20250212-CCR) (160-57217-1), 2502229-06 (JKS-72-20250212-CCR) (160-57217-2), 2502229-07 (FB-001-20250212) (160-57217-3), 2502229-08 (EB-001-20250212) (160-57217-4) and 2502229-09 (BD-001-20250212) (160-57217-5)

1. Items identified by the letter “R” must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter “S” should be retained and made available upon request for the appropriate retention period.
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ATTACHMENT 3 CERTIFICATION

ALTERNATE SOURCE DEMONSTRATION CERTIFICATION

Calaveras Power Station
San Antonio, Texas
CPS Energy

CERTIFICATION

I hereby verify the accuracy of the information provided in this *Alternate Source Demonstration* in accordance with the requirements of 40 CFR §257.94(e)(2).

Nicholas Houtchens, P.G.
Texas Licensed Professional Geoscientist No. 11108