

Remediation Summary and Site Closure Request

October 8, 2021

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Gold Coast 26 Federal SWD #001

NMOCD Reference Number: nRM1927331412

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1.0 Introduction and Background Information

TRC Environmental Corporation (TRC), on behalf of COG Operating, LLC (COG), has prepared this *Remediation Summary and Site Closure Request* for the Release Site known as the Gold Coast 26 Federal SWD #001 (the Site). The legal description of the Site is Unit Letter "M", Section 30, Township 24 South, Range 33 East, in Lea County, New Mexico. The subject property is owned by the State of New Mexico and administered by New Mexico State Land Office (NMSLO). The GPS coordinates for the Site are N 32.18154°, W 103.61913°. A topographic map is provided as **Figure 1**. Photographic documentation is provided in the photolog as **Appendix A**.

On September 8, 2019, COG discovered a produced water release had occurred at the Site. The Release was attributed to the failure of a flowline. On the discovery date, COG notified the New Mexico Oil Conservation Division (NMOCD) and NMSLO of the Release. The Release was assigned an NMOCD Reference number of nRM1927331412. During initial response activities, a vacuum truck was dispatched to recover all freestanding fluids. On September 12, 2019, the initial Release Notification and Corrective Action (Form C-141) was submitted to the NMOCD. The Form C-141 indicated seven hundred and fifty (750) barrels (bbls) of produced water was released and one hundred and fifty (150) bbls of produced water was recovered during initial response activities. The Release affected an area measuring approximately 46,000 square feet (sq. ft.). The affected area is characterized as pastureland bounded on the east by a pipeline right-of-way and on the south by a caliche lease road. A copy of the submitted Form C-141 for the Release is provided in **Appendix B**. The site location is depicted in **Figure 1** and **Figure 2**. The affected area is depicted in **Figure 4**.

2.0 Depth to Groundwater and Site Characterization

A groundwater database maintained by The New Mexico Office of the State Engineer (NMOSE) did not identify any registered water wells in Section 30, Township 24 South, Range 33 East. The nearest well recorded in the NMOSE groundwater database is located approximately 3.55 miles north of the Site and a depth to groundwater of 1,533 feet below ground surface (bgs) was reported. Results of the groundwater database review are provided in **Appendix C.** Due to the water well location relative to the Site and the depth of groundwater which indicates a likely deeper water bearing unit, the depth to water information does not appear to be relevant to the groundwater underlying the Site. On June 24, 2020, a fifty-five (55) foot soil boring (Test Boring) was advanced adjacent to the affected area, and the soil boring was left open and gauged for depth to groundwater after approximately seventy-two (72) hours to evaluate the depth to groundwater and demonstrate groundwater is deeper than fifty (50) feet bgs. The boring remained dry after the waiting period of approximately seventy-two (72) hours, which indicated groundwater underlying the Site is likely at a depth greater than fifty-five (55) feet bgs. The soil boring log is provided as **Appendix D**. Following the confirmation of the apparent absence of groundwater in the borehole, the borehole was backfilled with hydrated bentonite chips. No water wells were observed within onethousand (1,000) feet of the Site. No surface water was observed within one-thousand (1,000) feet of the Site.



Based on the depth to groundwater at the Gold Coast 26 Federal SWD #001 Release Site, the NMOCD Closure Criteria for Soils Impacted by a Release does not warrant the most stringent closure criteria listed, due to the inferred depth to groundwater, which was greater than fifty (50) feet bgs. In addition, the Gold Coast 26 Federal SWD #001 is located in a 'low karst' area as outlined in the Bureau of Land Management (BLM) publicly available Karst Potential Map, provided as **Figure 3**. Consequently COG will utilize the NMOCD Closure Criteria for Soils Impacted by a Release for the Gold Coast 26 Federal SWD #001 as follows:

- Benzene 10 mg/kg
- Benzene, toluene, ethylbenzene, and xylenes (BTEX) 50 mg/kg
- Total Petroleum Hydrocarbons (TPH) –2,500 mg/kg
- Gasoline Range Organics (GRO) + Diesel Range Organics (DRO) 1,000 mg/kg
- Chloride 10,000 mg/kg (600 mg/kg for 0-4 foot bgs interval)

3.0 Initial Delineation Investigation

On June 9, 2020, initial site investigation activities were conducted at the Site utilizing a backhoe. However, backhoe refusal was encountered at approximately three (3) to four (4) feet bgs due to the presence of a hard caliche layer. Due to refusal at a shallow depth, secondary site delineation activities were conducted using an air rotary drill rig.

On June 23, 2020, a second mobilization utilizing an air rotary rig commenced. Soil samples were collected from a "pigs foot" sampler to ensure discrete sampling. A total of 15 soil borings (SB-Road, SB-1, SB-2, SB-3, SB-4, SB-5, SB-6, SB-7, SB-8, SB-9, SB-10, SB-11, SB-12, SB-13, and SB-14) were advanced within the release area footprint to provide vertical delineation of the soil impact. Soil borings SB-1 through SB-14 were advanced in the pasture as shown on **Figure 4**. Discrete soil samples were collected from the approximate 0-1, 2-3, 4-5, 6-7, 8-9, 14-15, and 19-20 foot intervals in each soil boring. Shallow soil samples (0-1' bgs) from each boring location in the pasture, were submitted to Xenco Laboratories in Midland, TX for chloride analysis by EPA Method E300, TPH analysis by EPA Method SW-846-8015M, and BTEX analysis by EPA Method SW-846-8021B. Deeper soil samples were submitted for chloride analysis only. A review of the analytical data indicated each soil sample submitted for TPH and BTEX analyses exhibited concentrations below the respective laboratory reporting limit (RL). Each soil sample submitted for chloride analysis exhibited chloride concentrations below the NMOCD regulatory guidelines with the exception of soil samples SB-2 @ 2-3', SB-4 @ 2-3', SB-7 @ 2-3', SB-8 @ 2-3', SB-11 @ 0-1', and SB-11 @ 2-3'.

Soil boring SB-Road was advanced in the impacted lease road. Additional borings in the lease road were not advanced due to the restricted access caused by the temporary "lay-flat" lines. Based on visual surface crusting, the location of soil boring SB-Road appeared to be representative of the lease road area. Discrete soil samples were collected from the approximate 0-1, 2-3, 4-5, and 6-7 foot intervals in the soil boring in the road. One (1) soil sample (0-1') was submitted to Xenco Laboratories in Midland, TX for chloride, TPH, and BTEX analytical and an additional three (3) soil samples were submitted for chloride analysis only. A review of the analytical data indicated



the soil sample submitted for TPH and BTEX analyses exhibited concentrations below the respective laboratory RLs. Each soil sample submitted for chloride analysis exhibited chloride concentrations below the NMOCD regulatory guidelines with the exception of soil samples SB-Road @ 0-1' and SB-Road @ 2-3'.

A total of 16 surface soil samples (E1 through E5, W1 through W6, N1 through N3, and S1 and S2) were collected from the surface to approximately one (1) foot bgs outside the release margins to establish lateral delineation utilizing a hand auger. Collected soil samples were submitted to the laboratory for TPH, BTEX, and chloride analyses. A review of the analytical data indicated each lateral delineation soil sample exhibited TPH and BTEX concentrations below the respective laboratory RLs. In addition, each lateral delineation soil sample exhibited chloride concentrations below NMOCD regulatory guidelines.

Vertical and horizontal delineation was established at the Release Site. Each soil sample collected for TPH and BTEX analyses exhibited concentrations below the respective laboratory RL, which indicated TPH and BTEX were not likely chemicals of concern at the Site. Based on chloride delineation activities, the areas represented by soil borings SB-2, SB-4, SB-7, SB-8, and SB-11 exhibited chloride concentrations above NMOCD regulatory guidelines and warranted excavation of impacted soils to a depth of approximately 4.5' bgs. The area represented by soil sample SB-Road exhibited chloride concentrations above NMOCD regulatory guidelines and warranted excavation of impacted soils to an approximate depth of 1.5' to 4.5' bgs. A summary of the initial delineation investigation analytical data is shown in **Table 1.**

4.0 Summary of Soil Remediation Activities

On September 4, 2020, the *Site Assessment Summary and Proposed Remediation Workplan* was submitted to the NMOCD for review and approval. On February 17, 2021, formal approval of the work plan was received by COG. Permitting of the planned work with the NMSLO began in June 2021 and was expedited due to EOG Resources' planned installation of a pipeline through their Right-of-Way (ROW) in the northeast portion of the planned excavation. On July 20, 2021, the executed permit for the site was received from the NMSLO.

On July 22, 2021, remediation activities commenced at the Site. The excavation began in the northeast portion of the affected area (EOG ROW). Impacted soils in this area were excavated to an approximate depth of 4.5' bgs. On July 22 and 23, 2021, five (5) five-point composite sidewall samples (SW-1, SW-2, SW-3, SW-5 and SW-6) were collected from the sidewalls of the remedial excavation and submitted to the laboratory for chloride analysis. A review of the analytical data indicated each soil sample submitted for chloride analyses exhibited chloride concentrations below the NMOCD regulatory guideline of 600 mg/kg, with the exception of SW-2, SW-5, and SW-6. The lateral extent of the sidewalls represented by SW-2, SW-5, and SW-6 were extended until chloride screening data indicated chloride concentrations in the soil were below 600 mg/kg. Excavated soil was stockpiled on polyurethane liners pending final disposition at an NMOCD approved disposal facility. Unimpacted soil overlying deeper impacts was segregated and staged separately on polyurethane liners pending sampling and re-use at the Site as backfill material.



During the week of July 26-30th, the remainder of the EOG ROW was excavated and subsequently, excavation activities began in the adjacent pasture area. Impacted soils in the pasture area were excavated to an approximate depth of 4.5' bgs. On July 26, 2021, three (3) five-point composite sidewall samples (SW-5A, SW-8, SW-10) were collected from the sidewalls of the remedial excavation and submitted to the laboratory for chloride analysis. A review of the analytical data indicated each soil sample submitted for chloride analysis exhibited chloride concentrations below the NMOCD regulatory guideline of 600 mg/kg.

On July 27, 2021, five (5) five-point composite floor confirmation soil samples (FL-1 @ 4.5', FL-2 @ 4.5', FL-3 @ 4.5', FL-4 @ 4.5', and FL-5 @ 4.5') were collected from the base of the excavation on a one (1) soil sample per two-hundred (200) square foot basis and submitted to the laboratory for chloride analysis. A review of the analytical data indicated each floor soil sample submitted for chloride analysis exhibited chloride concentrations below the NMOCD regulatory guideline of 10,000 mg/kg for soils deeper than four (4) feet bgs. A total of seven (7) composite sidewall samples (SW-2A, SW-4, SW-6A, SW-7, SW-9, SW-11, and SW-12) were collected from the sidewalls of the remedial excavation and submitted to the laboratory for chloride analysis. A total of four (4) composite soil samples were collected from the unimpacted overburden material (OVERBURDEN-1, OVERBURDEN-2, OVERBURDEN-3, and OVERBURDEN-4) and submitted to the laboratory for chloride analysis. A review of the analytical data indicated each sidewall and overburden soil sample submitted for chloride analysis exhibited chloride concentrations below the NMOCD regulatory guideline of 600 mg/kg.

On July 28, 2021, two (2) five-point composite floor confirmation soil samples (FL-6 @ 4.5' and FL-7 @ 4.5') were collected from the base of the excavation on a one (1) soil sample per two-hundred (200) square foot basis and submitted to the laboratory for chloride analysis. A review of the analytical data indicated each floor soil sample submitted for chloride analysis exhibited chloride concentrations below the NMOCD regulatory guideline of 10,000 mg/kg for soils deeper than four (4) feet bgs. A total of five (5) five-point composite sidewall samples (SW-13, SW-14, SW-15, SW-16, and SW-17) were collected from the sidewalls of the remedial excavation and submitted to the laboratory for chloride analysis. A review of the analytical data indicated each sidewall soil sample submitted for chloride analysis exhibited chloride concentrations below the NMOCD regulatory guideline of 600 mg/kg.

On July 29, 2021, eight (8) five-point composite floor confirmation soil samples (FL-8 @ 4.5', FL-19 @ 4.5', FL-10 @ 4.5', FL-11 @ 4.5', FL-12 @ 4.5', FL-13 @ 4.5', FL-14 @ 4.5', and FL-15 @ 4.5') were collected from the base of the excavation on a one (1) soil sample per two-hundred (200) square foot basis and submitted to the laboratory for chloride analysis. A review of the analytical data indicated each floor soil sample submitted for chloride analysis exhibited chloride concentrations below the NMOCD regulatory guideline of 10,000 mg/kg for soils deeper than four (4) feet bgs. One (1) composite sidewall sample (SW-23) was collected from the sidewall of the remedial excavation and submitted to the laboratory for chloride analysis. A total of 11 composite soil samples (OVERBURDEN-5, OVERBURDEN-6, OVERBURDEN-7, OVERBURDEN-8, OVERBURDEN-10, OVERBURDEN-11, OVERBURDEN-12, OVERBURDEN-13, OVERBURDEN-14, and OVERBURDEN-15) were collected from the unimpacted overburden material and submitted to the laboratory for chloride analysis. A review



of the analytical data indicated each sidewall and overburden soil sample submitted for chloride analysis exhibited chloride concentrations below the NMOCD regulatory guideline of 600 mg/kg.

On July 30, 2021, six (6) five-point composite floor confirmation soil samples (FL-16 @ 4.5', FL-17 @ 4.5', FL-18 @ 4.5', FL-19 @ 4.5', FL-20 @ 4.5', and FL-21 @ 4.5') were collected from the base of the excavation on a one (1) soil sample per two-hundred (200) square foot basis and submitted to the laboratory for chloride analysis. A review of the analytical data indicated each floor soil sample submitted for chloride analysis exhibited chloride concentrations below the NMOCD regulatory guideline of 10,000 mg/kg for soils deeper than four (4) feet bgs. A total of four (4) composite sidewall samples (SW-24, SW-25, SW-26, and SW-27) were collected from the sidewalls of the remedial excavation and submitted to the laboratory for chloride analysis. A review of the analytical data indicated each sidewall soil sample submitted for chloride analysis exhibited chloride concentrations below the NMOCD regulatory guideline of 600 mg/kg.

On August 4-5, 2021, following a brief rain delay, excavation activities continued in the southern most portion of the affected pasture and in the lease road as represented by SB-Road. Impacted soils in southern portion of the pasture and the road were excavated to a depth of approximately 4.5' bgs. During excavation and field screening activities, the western extent of the road excavation was extended until chloride screening results indicated the chloride concentration of the soil was likely below the NMOCD regulatory guideline and a sample was collected for submittal to the laboratory.

On August 4, 2021, two (2) five-point composite floor confirmation soil samples (FL-22 @ 4.5' and FL-24 @ 4.5') were collected from the base of the excavation on a one (1) soil sample per two-hundred (200) square foot basis and submitted to the laboratory for chloride analysis. A review of the analytical data indicated each floor soil sample submitted for chloride analysis exhibited chloride concentrations below the NMOCD regulatory guideline of 10,000 mg/kg for soils deeper than four (4) feet bgs. A total of six (6) composite sidewall samples (SW-18, SW-19, SW-20, SW-21, SW-28, and SW-29) were collected from the sidewalls of the remedial excavation and submitted to the laboratory for chloride analysis. A review of the analytical data indicated each sidewall soil sample submitted for chloride analysis exhibited chloride concentrations below the NMOCD regulatory guideline of 600 mg/kg.

On August 5, 2021, two (2) five-point composite floor confirmation soil samples (FL-23 @ 4.5') and FL-25 @ 4.5') were collected from the base of the excavation on a one (1) soil sample per two-hundred (200) square foot basis and submitted to the laboratory for chloride analysis. A review of the analytical data indicated each floor soil sample submitted for chloride analysis exhibited chloride concentrations below the NMOCD regulatory guideline of 10,000 mg/kg for soils deeper than four (4) feet bgs. A total of 10 composite sidewall samples (SW-30, SW-31, SW-32, SW-33, SW-34, SW-35, SW-36, SW-37, SW-38, and SW-39) were collected from the sidewalls of the remedial excavation and submitted to the laboratory for chloride analysis. A review of the analytical data indicated each sidewall soil sample submitted for chloride analysis exhibited chloride concentrations below the NMOCD regulatory guideline of 600 mg/kg.



On August 7, 2021, following a final review of the analytical data from the area in and around the EOG ROW and completion of pipeline installation activities by EOG, the excavation in the EOG ROW was backfilled to grade with a mixture of the overburden material and locally sourced non-impacted 'like' material from a pit approved by the surface leasee (NGL Energy Partners [NGL]).

On August 17, 2021, excavation and sampling activities continued in the pasture. One (1) fivepoint composite floor confirmation soil sample (FL-26 @ 4.5') was collected from the base of the excavation on a one (1) soil sample per two-hundred (200) square foot basis and submitted to the laboratory for chloride analysis. A review of the analytical data indicated the floor soil sample submitted for chloride analysis exhibited chloride concentrations below the NMOCD regulatory guideline of 10,000 mg/kg for soils deeper than four (4) feet bgs. A total of three (3) composite sidewall samples (SW-22, SW-22A, and SW-40) were collected from the sidewalls of the remedial excavation and submitted to the laboratory for chloride analysis. A review of the analytical data indicated each sidewall soil sample submitted for chloride analysis exhibited chloride concentrations below the NMOCD regulatory guideline of 600 mg/kg, with the exception of SW-22. The sidewall in the area represented by SW-22 was extended to southwest until chloride screening indicated chloride concentrations in the soil were likely below the NMOCD limit. An additional composite soil sample (SW-22A) was collected and submitted to the laboratory for chloride analysis. A review of the analytical data indicated SW-22A exhibited chloride concentrations below the NMOCD regulatory guideline of 600 mg/kg.

On August 18, 2021, one (1) five-point composite floor confirmation soil sample (FL-27 @ 4.5') was collected from the base of the excavation on a one (1) soil sample per two-hundred (200) square foot basis and submitted to the laboratory for chloride analysis. A review of the analytical data indicated the floor soil sample submitted for chloride analysis exhibited chloride concentrations below the NMOCD regulatory guideline of 10,000 mg/kg for soils deeper than four (4) feet bgs. One (1) composite sidewall sample (SW-41) was collected from the sidewall of the remedial excavation and submitted to the laboratory for chloride analysis. A review of the analytical data indicated the sidewall soil sample submitted for chloride analysis exhibited chloride concentrations below the NMOCD regulatory guideline of 600 mg/kg.

On August 19, 2021, it was determined there was an approximately 200-foot-long area of release footprint on the lease road which had not previously been characterized or delineated. A total of three (3) test trenches (TT-1, TT-2, and TT-3) were installed within the release footprint on the lease road to a depth of approximately 4.5' bgs to provide vertical delineation of the soil impact. Discrete soil samples were collected from the approximate 0-1, 2, 3, and 4.5 foot intervals in each test trench. The test trenches were advanced until chloride field screen methods indicated chloride concentrations at the base of each trench was below 600 mg/kg. A total of 12 soil samples, four (4) soil samples from each trench, were submitted to the laboratory for chloride analysis. Each soil sample submitted for chloride analysis exhibited chloride concentrations below the NMOCD regulatory limit of 600 mg/kg with the exception of the soil sample TT-3 @ 0-1'. The area represented by TT-3 @ 0-1' was excavated to a depth of approximately 1.5' bgs and one (1) five-point composite floor confirmation soil sample (FL-29 @ 1.5') was collected from the base of the excavation and submitted for chloride analysis. A review of the analytical data indicated the floor



soil sample submitted for chloride analysis exhibited a chloride concentration below the NMOCD regulatory guideline of 600 mg/kg.

On August 23, 2021, one (1) five-point composite floor confirmation soil sample (FL-28 @ 4.5') was collected from the base of the excavation on a one (1) soil sample per two-hundred (200) square foot basis and submitted to the laboratory for chloride analysis. A review of the analytical data indicated the floor soil sample submitted for chloride analysis exhibited chloride concentrations below the NMOCD regulatory guideline of 10,000 mg/kg for soils deeper than four (4) feet bgs.

On August 24, 2021, one (1) five-point composite floor confirmation soil sample (FL-29 @ 1.5') was collected from the base of the excavation in the lease road characterized by TT-3. A review of the analytical data indicated the floor soil sample submitted for chloride analysis exhibited chloride concentrations below the NMOCD regulatory guideline of 600 mg/kg for soils shallower than four (4) feet bgs. A total of four (4) composite sidewall samples (SW-42, SW-43, SW-44, and SW-45) were collected from the sidewalls of the remedial excavation in the lease road characterized by TT-3 and submitted to the laboratory for chloride analysis. A review of the analytical data indicated the sidewall soil sample submitted for chloride analysis exhibited chloride concentrations below the NMOCD regulatory guideline of 600 mg/kg.

Following a final review of the analytical data, the remaining excavation was backfilled to grade with a mixture of the overburden material and locally sourced non-impacted 'like' material from and NGL-approved pit. The impacted material was transported under manifest to an NMOCD approved disposal facility (Northern Delaware Basin Landfill). Confirmation soil sample locations are depicted in **Figure 5**. A summary of analytical data is shown in **Table 2**. Laboratory analytical reports are provided in **Appendix E**.

5.0 Site Closure Request

Remediation activities were conducted in accordance with NMCOD regulatory guidelines. Laboratory analytical results from excavation confirmation soil samples indicated chloride concentrations were below the NMOCD regulatory guidelines in the submitted confirmation soil and sidewall samples. The impacted soil was transported to the Northern Delaware Basin Landfill, and the Site was returned to grade with a mixture of locally sourced non-impacted backfill material and unimpacted overburden material. Based on laboratory analytical results and field activities conducted to date, TRC recommends COG provide copies of this Remediation Summary and Site Closure Request to the NMOCD and NMSLO and request closure status to the Gold Coast 26 Federal SWD #001.

6.0 Limitation

TRC has prepared this Remediation Summary and Site Closure Request to the best of its ability. No other warranty, expressed or implied, is made or intended.



TRC has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. TRC has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. TRC has prepared this report, in a professional manner, using the degree of skill and care exercised by similar environmental consultants. TRC also notes that the facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of COG Operating, LLC. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of TRC and/or COG Operating, LLC.

7.0 Distribution

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Tables

	TABLE 1										
	Summary of Sampling Analytical Results (Delineation Samples)										
	Concentrations of BTEX, TPH, and/or Chloride in Soil										
				SW 846	8021B		SW	/ 846 8015M E	xt.		E 300
Sample ID	Date	Depth (ft bgs)	Proposed Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆₋ C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₅ (mg/kg)	TPH C ₆ -C ₃₅ (mg/kg)	Chloride (mg/kg)
			Vertical Deli	neation Sample	e Locations						
SB-1 @ 0-1'	6/23/20	0-1		<0.00200	<0.002	<49.9	<49.9	<49.9	<49.9	<49.9	40.6
SB-1 @ 2-3'	6/23/20	2-3		-	-	-	-	-	-	-	95.0
SB-1 @ 4-5'	6/23/20	4-5		-	-	-	-	-	-	-	4,880
SB-1 @ 6-7'	6/23/20	6-7		-	-	-	-	-	-	-	272
SB-2 @ 0-1'	6/23/20	0-1		<0.00201	<0.00201	<49.8	<49.8	<49.8	<49.8	<49.8	345
SB-2 @ 2-3'	6/23/20	2-3		-	-	-	-	-	-	-	969
SB-2 @ 4-5'	6/23/20	4-5		-	-	-	-	-	-	-	1,040
SB-2 @ 6-7'	6/23/20	6-7		-	-	-	-	-	-	-	95.7
SB-3 @ 0-1'	6/23/20	0-1		< 0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50	23.8
SB-3 @ 2-3'	6/23/20	2-3		-	-	-	-	-	-	-	36.5
SB-3 @ 4-5'	6/23/20	4-5		-	-	-	-	-	-	-	800
SB-3 @ 6-7'	6/23/20	6-7		-	-	-	-	-	-	-	436
SB-4 @ 0-1'	6/23/20	0-1		<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50	149
SB-4 @ 2-3'	6/23/20	2-3		-	-	-	-	-	-	-	1,200
SB-4 @ 4-5'	6/23/20	4-5		-	-	-	-	-	-	-	2,390
SB-4 @ 6-7'	6/23/20	6-7		-	-	-	-	-	-	-	229
SB-5 @ 0-1'	6/23/20	0-1		<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	29.7
SB-5 @ 2-3'	6/23/20	2-3		-	-	-	-	-	-	-	25.2
SB-5 @ 4-5'	6/23/20	4-5		-	-	-	-	-	-	-	98.9
SB-5 @ 6-7'	6/23/20	6-7		-	-	-	-	-	-	-	8,940
SB-5 @ 8-9'	6/23/20	8-9		-	-	-	-	-	-	-	1,620
SB-5 @ 14-15'	6/23/20	14-15		-	-	-	-	-	-	-	866
SB-5 @ 19-20'	6/23/20	19-20		-	-	-	-	-	-	-	144
SB-6 @ 0-1'	6/23/20	0-1		<0.00200	<0.002	<50.0	<50.0	<50.0	<50.0	<50	49.5
SB-6 @ 2-3'	6/23/20	2-3			-	-	-	-	-		51.4
NMOCD (NMOCD Closure Criteria			10	50	-	-	1,000	-	2,500	600 (0-4' bgs) 10,000 (>4' bgs)

	TABLE 1										
	Summary of Sampling Analytical Results (Delineation Samples)										
Concentrations of BTEX, TPH, and/or Chloride in Soil											
				SW 846	8021B		SW	846 8015M E	kt.		E 300
Sample ID	Date	Depth (ft bgs)	Proposed Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆₋ C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₅ (mg/kg)	TPH C ₆ -C ₃₅ (mg/kg)	Chloride (mg/kg)
		Ve	ertical Delineatio	n Sample Loca	tions (contin	ued)					
SB-6 @ 4-5'	6/23/20	4-5		-	-	-	-	-	-	-	5,660
SB-6 @ 6-7'	6/23/20	6-7		-	-	-	-	-	-	-	1,920
SB-6 @ 8-9'	6/23/20	8-9		-	-	-	-	-	-	-	2,260
SB-6 @ 14-15'	6/23/20	14-15		-	-	-	-	-	-	-	187
SB-7 @ 0-1'	6/23/20	0-1		<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	96.6
SB-7 @ 2-3'	6/23/20	2-3		-	-	-	-	-	-	-	8,680
SB-7 @ 4-5'	6/23/20	4-5		-	-	-	-	-	-	-	475
SB-7 @ 6-7'	6/23/20	6-7		-	-	-	-	-	-	-	86.1
SB-8 @ 0-1'	6/23/20	0-1		<0.00198	<0.00198	<49.8	<49.8	<49.8	<49.8	<49.8	85.0
SB-8 @ 2-3'	6/23/20	2-3		-	-	-	-	-	-	-	5,740
SB-8 @ 4-5'	6/23/20	4-5		-	-	-	-	-	-	-	173
SB-8 @ 6-7'	6/23/20	6-7		-	-	-	-	-	-	-	29.9
SB-9 @ 0-1'	6/23/20	0-1		<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50	41.6
SB-9 @ 2-3'	6/23/20	2-3		-	-	-	-	-	-	-	95.6
SB-9 @ 4-5'	6/23/20	4-5		-	-	-	-	-	-	-	8,660
SB-9 @ 6-7'	6/23/20	6-7		-	-	-	-	-	-	-	216
SB-10 @ 0-1'	6/24/20	0-1		<0.00200	<0.002	<49.9	<49.9	<49.9	<49.9	<49.9	89.9
SB-10 @ 2-3'	6/24/20	2-3		-	-	-	-	-	-	-	48.2
SB-10 @ 4-5'	6/24/20	4-5		-	-	-	-	-	-	-	653
SB-10 @ 6-7'	6/24/20	6-7		-	-	-	-	-	-	-	324
SB-11 @ 0-1'	6/24/20	0-1		<0.00200	<0.002	<49.8	<49.8	<49.8	<49.8	<49.8	1,530
SB-11 @ 2-3'	6/24/20	2-3		-	-	-	-	-	-	-	2,480
SB-11 @ 4-5'	6/24/20	4-5		-	-	-	-	-	-	-	5,030
SB-11 @ 6-7'	6/24/20	6-7		-	-	-	-	-	-	-	289
SB-12 @ 0-1'	6/24/20	0-1		<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50	37.9
NMOCD	NMOCD Closure Criteria				50		-	1,000	•	2,500	600 (0-4' bgs) 10,000 (>4' bgs)

	TABLE 1										
	Summary of Sampling Analytical Results (Delineation Samples) Concentrations of BTEX, TPH, and/or Chloride in Soil										
SW 846 8021B SW									xt.		E 300
Sample ID	Date	Depth (ft bgs)	Proposed Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆₋ C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₅ (mg/kg)	TPH C ₆ -C ₃₅ (mg/kg)	Chloride (mg/kg)
		Ve	rtical Delineatio	n Sample Loca	tions (continu	ued)					
SB-12 @ 2-3'	6/24/20	2-3		-	-	-	-	-	-	-	24.0
SB-12 @ 4-5'	6/24/20	4-5		-	-	-	-	-	-	-	187
SB-13 @ 0-1'	6/24/20	0-1		<0.00200	<0.002	<49.9	<49.9	<49.9	<49.9	<49.9	16.8
SB-13 @ 2-3'	6/24/20	2-3		-	-	-	-	-	-	-	22.1
SB-13 @ 4-5'	6/24/20	4-5		-	-	-	-	-	-	-	153
SB-14 @ 0-1'	6/24/20	0-1		<0.00202	<0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	19.3
SB-14 @ 2-3'	6/24/20	2-3		-	-	-	-	-	-	-	6.11
SB-14 @ 4-5'	6/24/20	4-5		-	-	-	-	-	-	-	47.2
SB-14 @ 6-7'	6/24/20	6-7		-	-	-	-	-	-	-	651
SB-14 @ 8-9'	6/24/20	8-9		-	-	-	-	-	-	-	1,600
SB-14 @ 14-15'	6/24/20	14-15		-	-	-	-	-	-	-	196
SB-Road @ 0-1'	6/24/20	0-1		<0.00201	<0.00201	<49.8	<49.8	<49.8	<49.8	<49.8	10,000
SB-Road @ 2-3'	6/24/20	2-3		-	-	-	-	-	-	-	4,190
SB-Road @ 4-5'	6/24/20	4-5		-	-	-	-	-	-	-	1,260
SB-Road @ 6-7'	6/24/20	6-7		-	-	-	-	-	-	-	162
NMOCD Closure Criteria				10	50	-	-	1,000	•	2,500	600 (0-4' bgs) 10,000 (>4' bgs)

	TABLE 1											
Summary of Sampling Analytical Results (Delineation Samples)												
	Concentrations of BTEX, TPH, and/or Chloride in Soil											
				SW 846	8021B		SW	846 8015M E	xt.		E 300	
Sample ID	Date	Depth (ft bgs)	Proposed Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆₋ C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₅ (mg/kg)	TPH C ₆ -C ₃₅ (mg/kg)	Chloride (mg/kg)	
			Lateral Delir	neation Sample	Locations							
E1	6/25/20	0-1	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50	22.3	
E2	6/25/20	0-1	In-Situ	<0.00200	<0.002	<50.0	<50.0	<50.0	<50.0	<50	27.7	
E3	6/25/20	0-1	In-Situ	<0.00200	<0.002	<49.9	<49.9	<49.9	<49.9	<49.9	12.2	
E4	6/25/20	0-1	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50	95.2	
E5	6/25/20	0-1	In-Situ	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	<49.8	169	
W1	6/25/20	0-1	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	8.95	
W2	6/25/20	0-1	In-Situ	<0.00200	<0.002	<50.0	<50.0	<50.0	<50.0	<50	9.00	
W3	6/25/20	0-1	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50	7.40	
W4	6/25/20	0-1	In-Situ	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	7.83	
W5	6/25/20	0-1	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	7.38	
W6	6/25/20	0-1	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50	135	
N1	6/25/20	0-1	In-Situ	<0.00200	<0.002	<49.8	<49.8	<49.8	<49.8	<49.8	8.58	
N2	6/25/20	0-1	In-Situ	<0.00200	<0.002	<49.9	<49.9	<49.9	<49.9	<49.9	7.97	
N3	6/25/20	0-1	In-Situ	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	<49.8	11.1	
S1	6/25/20	0-1	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	10.5	
S2	6/25/20	0-1	In-Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50	22.9	
NMOCD Closure Criteria				10	50	-	-	1,000		2,500	600 (0-4' bgs) 10,000 (>4' bgs)	

TABLE 2. SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS CONCHO OIL & GAS

GOLD COAST 26 FEDERAL SWD #001

	1	OAST 26 FEDER	., (2000)	E 300						
Sample ID	Date	Depth	Soil Status	Chloride (mg/kg)						
	All results i	n milligrams pe	r kilogram (mg/	(kg)						
Floor Samples										
FL-1 @4.5	7/27/21	4.5'	In-Situ	3,380						
FL-2 @4.5	7/27/21	4.5'	In-Situ	731						
FL-3 @4.5	7/27/21	4.5'	In-Situ	4,200						
FL-4 @4.5	7/27/21	4.5'	In-Situ	45.7						
FL-5 @4.5	7/27/21	4.5'	In-Situ	159						
FL-6 @4.5	7/28/21	4.5'	In-Situ	5.81						
FL-7 @ 4.5	7/28/21	4.5'	In-Situ	710						
FL-8 @ 4.5	7/29/21	4.5'	In-Situ	3,990						
FL-9 @ 4.5	7/29/21	4.5'	In-Situ	310						
FL-10 @ 4.5	7/29/21	4.5'	In-Situ	1,130						
FL-11 @ 4.5	7/29/21	4.5'	In-Situ	724						
FL-12 @ 4.5	7/29/21	4.5'	In-Situ	2,050						
FL-13 @ 4.5	7/29/21	4.5'	In-Situ	179						
FL-14 @ 4.5	7/29/21	4.5'	In-Situ	3,460						
FL-15 @ 4.5	7/29/21	4.5'	In-Situ	2,070						
FL-16 @ 4.5	7/30/21	4.5'	In-Situ	501						
FL-17 @ 4.5	7/30/21	4.5'	In-Situ	1,410						
FL-18 @ 4.5	7/30/21	4.5'	In-Situ	3,790						
FL-19 @ 4.5	7/30/21	4.5'	In-Situ	1,540						
FL-20 @ 4.5	7/30/21	4.5'	In-Situ	3,510						
FL-21 @ 4.5	7/30/21	4.5'	In-Situ	956						
FL-22 @ 4.5	8/4/21	4.5'	In-Situ	1,660						
FL-23 @ 4.5	8/5/21	4.5'	In-Situ	1,700						
FL-24 @ 4.5	8/4/21	4.5'	In-Situ	5,170						
FL-25 @ 4.5	8/5/21	4.5'	In-Situ	3,030						
FL-26 @ 4.5	8/17/21	4.5'	In-Situ	4,220						
FL-27 @ 4.5	8/18/21	4.5'	In-Situ	3,830						
FL-28 @ 4.5'	8/23/21	4.5'	In-Situ	4,390						
FL-29 @ 1.5'	8/24/21	1.5'	In-Situ	129						
	Sidewall Samples									
SW-1	7/22/21		In-Situ	258						
SW-2	7/22/21		Excavated	812						
SW-2A	7/27/21		In-Situ	18.4						
SW-3	7/22/21		In-Situ	336						
SW-4	7/27/21		In-Situ	11.2						
SW-5	7/23/21		Excavated	3,050						
SW-5A	7/26/21		Excavated	130						

TABLE 2. SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS CONCHO OIL & GAS

GOLD COAST 26 FEDERAL SWD #001

	E 300			
Sample ID	Sample ID Date Depth Soil Status		Soil Status	
				Chloride (mg/kg)
	All results i	n milligrams pe	r kilogram (mg/	kg)
SW-6	7/22/21		Excavated	677
SW-6A	7/27/21		In-Situ	5.86
SW-7	7/27/21		In-Situ	13.7
SW-8	7/26/21		In-Situ	26.8
SW-9	7/27/21	-	In-Situ	16.7
SW-10	7/26/21	-	In-Situ	18.7
SW-11	7/27/21	-	In-Situ	36.6
SW-12	7/27/21	-	In-Situ	<4.97
SW-13	7/28/21	-	In-Situ	60.3
SW-14	7/28/21	-	In-Situ	66.4
SW-15	7/28/21	-	In-Situ	23.2
SW-16	7/28/21	-	In-Situ	7.58
SW-17	7/28/21	-	In-Situ	5.62
SW-18	8/4/21	-	In-Situ	<5.00
SW-19	8/4/21	-	In-Situ	227
SW-20	8/4/21	-	In-Situ	153
SW-21	8/4/21	-	In-Situ	524
SW-22	8/17/21	-	Excavated	1,830
SW-22A	8/17/21	-	In-Situ	199
SW-23	7/29/21	-	In-Situ	57.1
SW-24	7/30/21	-	In-Situ	483
SW-25	7/30/21	-	In-Situ	18.1
SW-26	7/30/21	-	In-Situ	98.8
SW-27	7/30/21	-	In-Situ	21.9
SW-28	8/4/21	-	In-Situ	13.2
SW-29	8/4/21	-	In-Situ	<5.05
SW-30	8/5/21	-	In-Situ	36.5
SW-31	8/5/21	-	In-Situ	<4.95
SW-32	8/5/21	-	In-Situ	62.2
SW-33	8/5/21	-	In-Situ	126
SW-34	8/5/21	-	In-Situ	163
SW-35	8/5/21	-	In-Situ	114
SW-36	8/5/21	-	In-Situ	153
SW-37	8/5/21	-	In-Situ	104
SW-38	8/5/21	-	In-Situ	61.5
SW-39	8/5/21	-	In-Situ	104
SW-40	8/17/21	-	In-Situ	165
SW-41	8/18/21	-	In-Situ	363

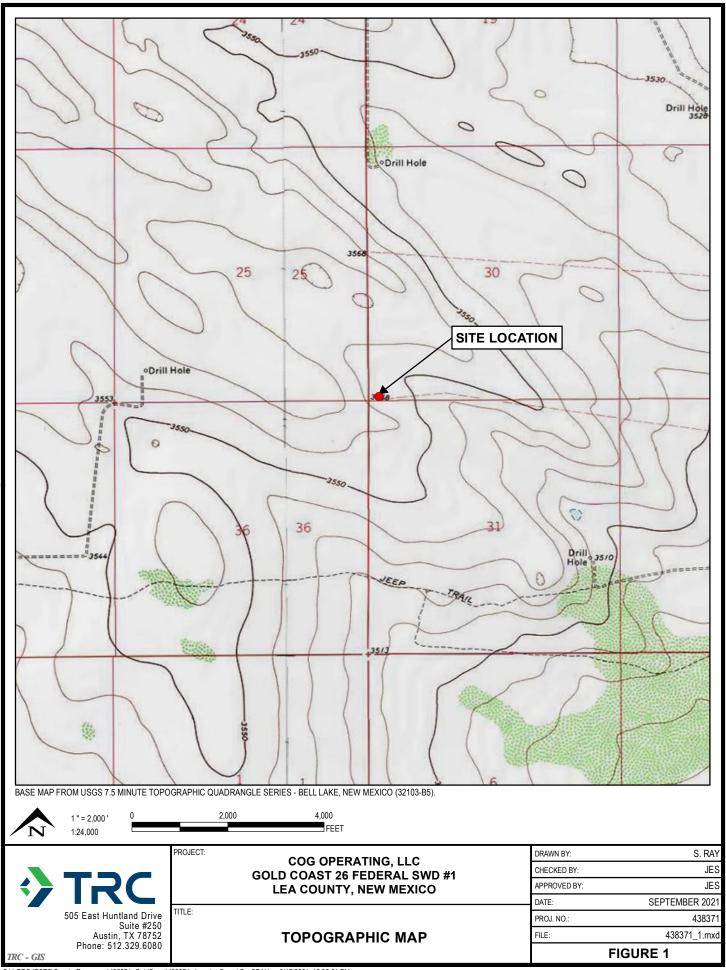
TABLE 2. SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS CONCHO OIL & GAS

GOLD COAST 26 FEDERAL SWD #001

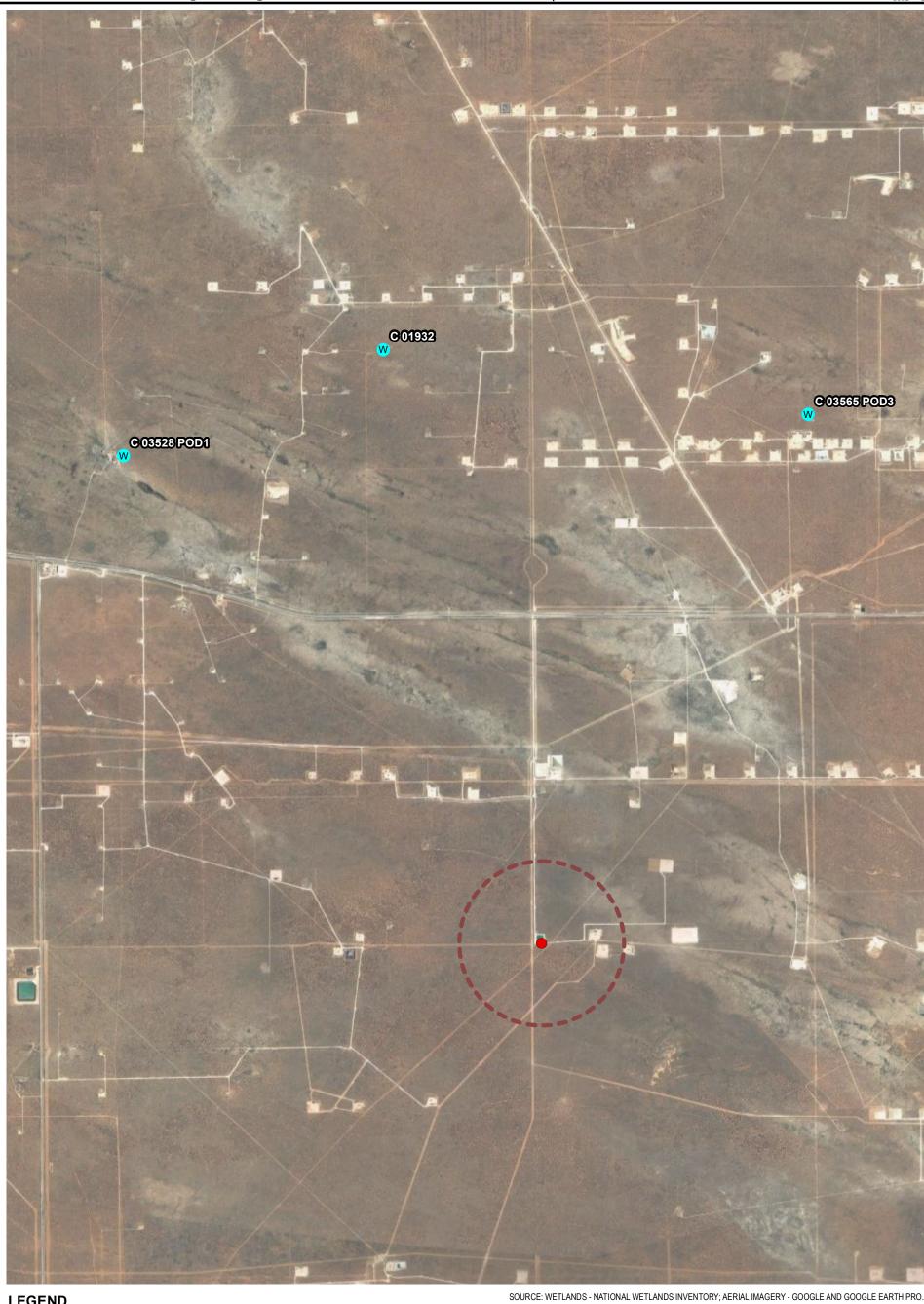
				E 300								
Sample ID	Date	Depth	Soil Status	Chloride (mg/kg)								
All results in milligrams per kilogram (mg/kg)												
SW-42	8/24/21	-	In-Situ	63.4								
SW-43	8/24/21	-	In-Situ	13.1								
SW-44	8/24/21	-	In-Situ	90.4								
SW-45	8/24/21	-	In-Situ	71.8								
	Road Confirmation											
TT-1 @ 0-1'	8/19/21	0-1	In-Situ	426								
TT-1 @ 2'	8/19/21	2	In-Situ	17.4								
TT-1 @ 3'	8/19/21	3	In-Situ	165								
TT-1 @ 4.5'	8/19/21	4.5	In-Situ	164								
TT-2 @ 0-1'	8/19/21	0-1	In-Situ	228								
TT-2 @ 2'	8/19/21	2	In-Situ	7.19								
TT-2 @ 3'	8/19/21	3	In-Situ	31.2								
TT-2 @ 4.5'	8/19/21	4.5	In-Situ	177								
TT-3 @ 0-1'	8/19/21	0-1	Excavated	4,790								
TT-3 @ 2'	8/19/21	2	In-Situ	32.3								
TT-3 @ 3'	8/19/21	3	In-Situ	<5.01								
TT-3 @ 4.5'	8/19/21	4.5	In-Situ	26.6								
		Overburde	n									
OVERBURDEN-1	7/27/21		Re-Use	33.5								
OVERBURDEN-2	7/27/21		Re-Use	9.65								
OVERBURDEN-3	7/27/21		Re-Use	28.3								
OVERBURDEN-4	7/27/21		Re-Use	<5.00								
OVERBURDEN-5	7/29/21		Re-Use	28.6								
OVERBURDEN-6	7/29/21		Re-Use	38.8								
OVERBURDEN-7	7/29/21		Re-Use	57.4								
OVERBURDEN-8	7/29/21		Re-Use	77.9								
OVERBURDEN-9	7/29/21		Re-Use	<4.96								
OVERBURDEN-10	7/29/21		Re-Use	34.9								
OVERBURDEN-11	7/29/21		Re-Use	28.0								
OVERBURDEN-12	7/29/21		Re-Use	144								
OVERBURDEN-13	7/29/21		Re-Use	85.6								
OVERBURDEN-14	7/29/21		Re-Use	261								
OVERBURDEN-15	7/29/21		Re-Use	96.0								
N	600 mg/kg (<4 ft. bgs) 10,000 mg/kg (> 4 ft. bgs)											



Figures



TRC - GIS





Site Location

Water Well

Half Mile Buffer

TITLE:

1,500 3,000 1 " = 3,000 1:36,000





505 East Huntland Drive Suite #250 Austin, TX 78752 Phone: 512.329.6080

PROJECT: **COG OPERATING, LLC GOLD COAST 26 FEDERAL SWD #001** LEA COUNTY, NEW MEXICO

AERIAL MAP

DRAWN BY: CHECKED BY: JES APPROVED BY JES DATE: SEPTEMBER 2021 PROJ. NO.: 438371 FILE: 438371_2.mxd FIGURE 2

COG OPERATING, LLC

GOLD COAST 26 FEDERAL SWD #001

LEA COUNTY, NEW MEXICO

KARST POTENTIAL MAP

DRAWN BY:

CHECKED BY:

APPROVED BY

PROJ. NO.:

DATE:

FILE:

JES

438371

SEPTEMBER 2021

FIGURE 3

438371_3.mxd

505 East Huntland Drive Suite #250 Austin, TX 78752 Phone: 512.329.6080 PROJECT:

TITLE:

Received by OCD: 10/28/2021 1:23:29 PM Page 24 of 456 W1 SB-14 SB-13 SB-12 E2 SB-7 SB-8 SB-5 SB-3 SB-4 SB-Road 京京 日本記事の日本日 **LEGEND** SOURCE: AERIAL IMAGERY - GOOGLE AND GOOGLE EARTH PRO. COG OPERATING, LLC GOLD COAST 26 FEDERAL SWD #001 LEA COUNTY, NEW MEXICO Soil Sampling Location Groundwater Determination Boring SAMPLE LOCATION AND PROPOSED **EXCAVATION MAP** Release Area S. RAY PROJ NO.: Proposed Excavation HECKED BY: JES JES SEPTEMBER 2021 FIGURE 4 Temporary Lay-Flat Line 505 East Huntland Drive, Suite 250 Austin, TX 78752 Phone: 512.329.6080 www.trcsolutions.com ◆ TRC 1 " = 75 ' 1:900 438371_4.mxd Released to Imaging: 3/30/2022 11:15:24 AM

Received by OCD: 10/28/2021 1:23:29 PM Page 25 of 456 **LEGEND** SOURCE: AERIAL IMAGERY - GOOGLE AND GOOGLE EARTH PRO. COG OPERATING, LLC GOLD COAST 26 FEDERAL SWD #001 LEA COUNTY, NEW MEXICO Floor Sample Sidewall Sample SITE AND CONFIRMATION SAMPLE LOCATION MAP Test Trench S. RAY PROJ NO.: 4.5' Excavation Area JES SEPTEMBER 2021 FIGURE 5 1.5' Excavation Area 505 East Huntland Drive, Suite 250 Austin, TX 78752 Phone: 512.329.6080 www.trcsolutions.com Release Area ◆ TRC 1 " = 75 ' 1:900



Appendix A: Photographic Documentation

Date: 10/8/2021

Photographic Documentation

Photograph No. 1

Date: 6/24/2020

Direction: North

Description: View of the release area.



Photograph No. 2

Date: 6/24/2020

Direction: East

Description: View of release area.



Date: 10/8/2021

Photographic Documentation

Photograph No. 3

Date: 6/24/2020

Direction: West

Description: View of the release area.



Photograph No. 4

Date: 6/24/2020

Direction: North

Description: View of Test Boring with casing installed.



Date: 10/8/2021

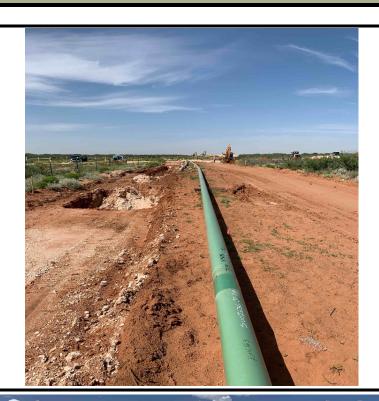
Photographic Documentation

Photograph No. 5

Date: 7/26/2021

Direction: Southwest

Description:
View of the
excavation area
in the EOG Rightof-Way (ROW).



Photograph No. 6

Date: 6/24/2020

Direction: North

Description:
View of
excavation area
in the EOG
ROW.



Date: 10/8/2021

Photographic Documentation

Photograph No. 7

Date: 7/29/2021

Direction: Northwest

Description:
View of the
excavation area
in the pasture.



Photograph No. 8

Date: 7/30/2021

Direction: East

Description:
View of
excavation area
in the pasture.



Date: 10/8/2021

Photographic Documentation

Photograph No. 9

Date: 8/18/2021

Direction: South-southeast

Description:
View of the
excavation area
in the pasture.



Photograph No. 10

Date: 8/18/2021

Direction: Northwest

Description:
View of
excavation area
in the pasture.



Date: 10/8/2021

Photographic Documentation

Photograph No. 11

Date: 8/18/2021

Direction: Southeast

Description:
View of the
excavation area
in the pasture.



Photograph No. 12

Date: 8/19/2021

Direction: West

Description:
View of test
trench
installation in the
lease road.



Date: 10/8/2021

Photographic Documentation

Photograph No. 13

Date: 8/24/2021

Direction: West

Description:
View of
excavation area
in the lease road.



Photograph No. 14

Date: 8/24/2021

Direction: North

Description: View of backfill activities.



Date: 10/8/2021

Photographic Documentation

Photograph No. 15

Date: 8/26/2021

Direction: South

Description: View of the backfilled area.



Photograph No. 16

Date: 8/26/2021

Direction: East-northeast

Description: View of backfilled EOG ROW.





Appendix B: Depth to Groundwater Data

Received by OCD: 10/28/2021 1:23:29 PM

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New Mexico Office of the State Engineer Wells with Well Log Information

No wells found.

UTMNAD83 Radius Search (in meters):

Easting (X): 630178.4 Northing (Y): 3561393.91 Radius: 805

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

Received by OCD: 10/28/2021 1:23:29 PM Page 37 of 456



New Mexico Office of the State Engineer Wells with Well Log Information

(A CLW#### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced. O=orphaned,

(quarters are 1=NW 2=NE 3=SW 4=SE) C=the file is closed)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(in feet)

	POD															
	Sub-			qqq								Log File	Depth	Depth		License
POD Number	Code basin	County	Source	6416 4	Sec	Tws	Rng	Х	Y	Distance Start Date	Finish Date	Date	Well	Water	Driller	Number
C 03565 POD3	CUB	LE		3 4	80	24S	33E	632763	3566546	5765 09/27/2012	10/21/2012	12/11/2012		1533	S STEWART, PHILLIP D. (LD)	331
C 01932	С	ED	Shallow	3 1	12	24S	32E	628633	3567188*	5996 10/13/1980	10/27/1980	12/15/1980	492		GLENN, CLARK A."CORKY" (LD)	421
C 03528 POD1	С	LE	Shallow	1 1 2	15	24S	32E	626040	3566129 🌕	6288 02/20/2012	03/12/2012	04/30/2012	541		NORRIS, JOHN D. (LD)	1682

Record Count: 3

UTMNAD83 Radius Search (in meters):

Easting (X): 630178.4 Northing (Y): 3561393.91 Radius: 6438

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

10/21/19 2:43 PM Page 1 of 1 WELLS WITH WELL LOG INFORMATION



Appendix C: Release Notification and Corrective Action (Form C-141)

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Release Notification

Responsible Party

Responsible Party					OGRID			
Contact Name				Contact	ntact Telephone			
Contact email				Inciden	Incident # (assigned by OCD)			
Contact mail	ing address			'				
					~			
			Location	of Release	Source			
Latitude				Longitud	e			
			(NAD 83 in dec	cimal degrees to 5 de	ecimal places)			
Site Name				Site Typ	e			
Date Release	Discovered			API# (if	applicable)			
Unit Letter	Section	Township	Range	Co	ounty			
Ont Letter	Section	Township	Runge		, unity	-		
						_		
Surface Owner	r: State	☐ Federal ☐ Tr	ribal Private (I	Name:)		
			Nature and	d Volume o	f Release			
Crude Oil		l(s) Released (Select al Volume Release		calculations or spec	Volume Reco	e volumes provided below) overed (bbls)		
Produced	Water	Volume Release	` ,		Volume Recovered (bbls)			
			ion of dissolved c	chloride in the	☐ Yes ☐ No			
		produced water						
Condensa	te	Volume Release	d (bbls)		Volume Reco	overed (bbls)		
Natural G	as	Volume Release	d (Mcf)		Volume Reco	overed (Mcf)		
Other (des	scribe)	Volume/Weight	Released (provide	e units)	Volume/Weight Recovered (provide units)			
Cause of Rele	ease							

Received by OCD: 10/28/2021 1:23:29 PM Form C-141 State of New Mexico Oil Conservation Division Page 2

P	ag	e	4	0	oj	4	5	6

	Page 40 of 43
Incident ID	
District RP	
Facility ID	
Application ID	
<u> </u>	
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Was this a major	If YES, for what reason(s) does the respon	nsible party consider this a major release?
release as defined by		
19.15.29.7(A) NMAC?		
☐ Yes ☐ No		
If YES was immediate no	Lotice given to the OCD? By whom? To wh	nom? When and by what means (phone, email, etc)?
Tr 125, was immediate in	since given to the GCB. By wheth, To wil	(Phone, email, etc).
	Initial Ro	esponse
The responsible p	party must undertake the following actions immediatel	y unless they could create a safety hazard that would result in injury
☐ The source of the rele	ease has been stopped.	
The impacted area ha	s been secured to protect human health and	the environment.
	•	likes, absorbent pads, or other containment devices.
	ecoverable materials have been removed and	- · · · · · · · · · · · · · · · · · · ·
If all the actions described	d above have <u>not</u> been undertaken, explain v	wny:
		emediation immediately after discovery of a release. If remediation
		efforts have been successfully completed or if the release occurred blease attach all information needed for closure evaluation.
		best of my knowledge and understand that pursuant to OCD rules and fications and perform corrective actions for releases which may endanger
public health or the environment	ment. The acceptance of a C-141 report by the C	CD does not relieve the operator of liability should their operations have
		at to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws
and/or regulations.	ra C-141 report does not reneve the operator or	responsionity for comphance with any other federal, state, or local laws
D' (IN		Tr'd
Printed Name:	O and be	Title:
Signature:	Opeant	Date:
		Telephone:
		•
OCD Only		
-		
Received by:		Date:

		***** LIQU	D SPILLS - VOL	UME CALCULATIO	NS *****			
Locati	ion of spill:	Gold Coast 26 Federal	SWD #001	Date of Spill:	8-Sep-201	9		
		If the leak/spill is as	sociated with production	on equipment, i.e wellhead	I, stuffing box,			
		flowline, tank battery, pr	oduction vessel, transfer	pump, or storage tank place	an "X" here:			
			Input	Data:				
lf spill vo	lumes from me	asurement, i.e. metering,	ank volumes, etc. are kn	nown enter the volumes here:	OIL: 0.0 BBL	WATER: 0.0 BBL		
· ·				alculations" is optional. Th			volumes.	
Total Area Calculations					Standing Liquid	l Calculations		
Total Surface Area	width	length	wet soil depth oil (%)	Standing Liquid Area	width	length	liquid depth	oil (%)
Rectangle Area #1	48 ft	122 ft X	7.50 in 0%	Rectangle Area #1	0 ft X	0 ft >	K 0 in	0%
Rectangle Area #2 Rectangle Area #3	12 ft X 159 ft X	180 ft X 215 ft X	1 in 0% 7 in 0%	Rectangle Area #2 Rectangle Area #3		0 ft 2 0 ft 2	K 0 in K 0 in	0% 0%
Rectangle Area #4	15 ft X	260 ft X	1 in 0%	Rectangle Area #4		0 ft 2		0%
Rectangle Area #5	0 ft X	0 ft X	0 in 0%	Rectangle Area #5		0 ft >		0%
Rectangle Area #6	0 ft X	0 ft X	0 in 0%	Rectangle Area #6		0 ft >		0%
Rectangle Area #7 Rectangle Area #8	0 ft X 0 ft X	0 ft X 0 ft X	0 in 0% 0 in 0%	Rectangle Area #7 Rectangle Area #8	0 ft X 0 ft X	0 ft 2 0 ft 2		0% 0%
				-				
			okay					
Average Daily Production:	Oil 0 BB			DOUCTION DATA REQUIRE	D			
Average Daily Froduction.	Oii U bb	bL water 0 BBL	0 Gas (MCFD)	Total Hydrocarbon C	Content in gas: 0%	(percentage)		
Did leak occur before the sepa	rator?	YES N/A	(place an "X")	H2S Content in P	-	PPM		
			()	H2S Content in	Tank Vapors: 0	PPM		
Amount of Free Liquid Recovered:	0 BBL	okay		Percentage of Oil	in Free Liquid Recovered: 0%	(percentage)		
Liquid holding factor *:	0.14 gal per	gal Use the follow	ng when the spill wets the grai	ins of the soil.	Use the following when the	ne liquid completely fill	s the pore space of the	soil:
			gallon (gal.) liquid per gal. vol		Occurs when the spill so			ot).
			che) loam = 0.14 gal. liquid pe am soil = 0.14 gal liquid per g		* Clay loam = 0.20 gal. lic * Gravelly (caliche) loam			
		* Clay loam = 0	1.16 gal. liquid per gal. volume	of soil.	* Sandy loam = 0.5 gal. li	quid per gal. volume o	of soil.	
Total Solid/Liquid Volume:	45,994 sq. ft.	24,044 cu. ft.	cu. ft.	Total Free Liquid Volume:	sq. ft.	cu. ft	t. cu.	ft.
Estimated Volumes	Spilled	1100	0"	Estimated Production	n Volumes Lost			
	in Soil:	<u>H2O</u> 599.5 BBL	OIL 0.0 BBL	Estimated Prod	uction Spilled:	<u>H2O</u> 0.0 BBL	<u>OIL</u> 0.0 BBI	L
	Liquid: Totals:	0.0 BBL 599.5 BBL	0.0 BBL 0.0 BBL	Estimated Surfa				
Total Liquid Spill	Liquid:	599.5 BBL	0.00 BBL	Surface Area: Surface Area:	.,			
Recovered Volum	<u>nes</u>			Estimated Weights,	and Volumes			
Estimated oil recovered:	BBL	check - ok	av	Saturated Soil =	2.692.877 lbs	24,044 cu. ft.	. 891 cu.	vds
Estimated water recovered:	BBL	check - ok	- /	Total Liquid =	7 7-	25,178 gallor		,
Air Emission from flow				Air Emission of Reporti		T.		
Volume of oil spill: Separator gas calculated:	BBLMCF			HC gas release reportable?	New Mexico	Texa:	<u>8</u>	
Separator gas calculated: Separator gas released:	- MCF			H2S release reportable?		NO NO		
Gas released from oil:	- lb			. 120 Toloddo Topolidbie:	5			
H2S released:	- lb							
Total HC gas released:	- lb							
Total HC gas released:	- MCF							

Page 42 of 456

Incident ID		
District RP		
Facility ID		
Application ID		

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the following	items must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29.	11 NMAC
Photographs of the remediated site prior to backfill or photomust be notified 2 days prior to liner inspection)	s of the liner integrity if applicable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note: appropriate OD	OC District office must be notified 2 days prior to final sampling)
☐ Description of remediation activities	
and regulations all operators are required to report and/or file certa may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and re- human health or the environment. In addition, OCD acceptance of	lations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in
Printed Name:	Title:
Printed Name: Signature:	Date:10/28/2021
email:Ike.Tavarez@conocophillips.com	Telephone:
OCD Only	
Received by:	Date:
	y of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible lor regulations.
Closure Approved by:	Date:
Printed Name:	Title:



Appendix D: Test Boring Soil Boring Log

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LOG OF SOIL BORING

PAGE _____OF ____

PROJECT NAME: Gold COOST 26 Fed	soil Boring ID: 55' Borehole						
PROJECT NUMBER:		LOCATION:		SHEET	1	OF	3
LOGGED BY: T. Babu				SURFACE	ELEV.:		
PROJECT LOCATION:		N: 32 . 18 24100	E: 103.6182330	DATE STAF	RTED: O	6/24	1/20
DRILLED BY: Scarboraugh Drilling	DRILLER NAME: Lane	2 Scarborough		DATE COM	PLETEC): O(0	24/20

NO.	TYPE	%	BLOWS	PID	DEPTH	VISUAL CLASSIFICATION AND OBSERVATIONS	COMMENT
					1.0-	silty sand intermixed with gravel Sized rock, no visible staining, no odor, moderately sorted to well sorted	
					'.0]	no visible staining, no odor, moderately sorted to	
					1 . 1	well sorted	
					2.0		
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					2.5	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
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					5.0	hard caliche layer, tanish white in lalor.	
					1,1	angular to sub-angular instruct moderately to	
					6.0	nard caliche layer, tanish white in lolor, angular to sub-angular in shape moderately to poorly sorted, compacted, silt to gravel sized	
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DRILLING METHOD)		
DRILL RIG			
BORING DIAMETER	₹	 	
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	WATER LEVEL OBSERVATIONS									
FIRST OCCURREN	CE:									
DATE	TIME	DEPTH TO WATER	DEPTH TO BOTTOM							
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LOG OF SOIL BORING

PAGE _____ OF ___

PROJECT NAME: GOLD (045+ 26	Federal Swo# 1	SOIL BORING ID:	55 Borehole	ر			
PROJECT NUMBER:		LOCATION:		SHEET	2	OF	3
LOGGED BY: T. Babu		SURFACE ELEV.:					
PROJECT LOCATION:		N:32,1624100	E:103.6162330	DATE STA	ARTED: O	6/2	ilzo
DRILLED BY: Scarboraugh Drilling	DRILLER NAME: Lane	Scarborough		DATE CO	MPLETED): OQ	24/20

NO.	TYPE	%	BLOWS	PID	DEPTH	VISUAL CLASSIFICATION AND OBSERVATIONS	COMMENT
						tanish brown in color with hurs of pink, Well Sorted silty sand, loosely packed, no moisture, fine-grained	
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BORING DIAMETER	

WATER LEVEL OBSERVATIONS										
FIRST OCCURRENCE:										
TIME	DEPTH TO WATER	DEPTH TO BOTTOM								
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06/24/20 DATE

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♦ TRC	LOG O	F SOIL BORING	ì	
PROJECT NAME: Gold (COST 26 F	ederal SUD # 1	SOIL BORING ID: 551	Borehole	
PROJECT NUMBER:		LOCATION:		HEET 3 OF 3
LOGGED BY: T. Babu			s	URFACE ELEV.:
PROJECT LOCATION:		N:32.1824100 E:	103.6182330D	ATE STARTED: 06/24/20
DRILLED BY: Scarborough Drilling	og DRILLER NAME: Lar	ne Scarborough	D.	ATE COMPLETED: 01/24/20
NO. TYPE % BLOWS PID DEPTH	l VISUAI	CLASSIFICATION AND OBSERVA		COMMENT
142-2-2-5 44-4-50 46-6 7.5 48 50-0-0	orangish brown moisture, well queste, proceed clay, none in good so	in color, law mois sorted large by a moisture, fin or tether, 240 or or or or or or or or or or or or or	clumps of the grained micomother. ture to no fine-grained mater	
DRILLING METHOD	CIDET	WATER OCCURRENCE:	R LEVEL OBSERVAT	IONS
DRILL RIG		DATE TIME	DEPTH TO WAT	ER DEPTH TO BOTTOM
PORING DIAMETER				
BORING DIAMETER			**************************************	
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06/24/70 DATE

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PAGE _____ OF ___



Appendix E: Laboratory Analytical Reports



Certificate of Analysis Summary 665688

TRC Solutions, Inc, Midland, TX

Project Name: Gold Coast 26 Federal SWD #1

Project Id: Contact:

Project Location:

Jared Stoffel

Date Received in Lab: Fri 06.26.2020 11:03

Report Date: 07.02.2020 17:39

Project Manager: Jessica Kramer

	Lab Id:	665688-0	001	665688-0	02	665688-0	003	665688-	004	665688-0	05	665688-0	006
Analysis Requested	Field Id:	E1		E2		E3		E4		E5		W1	
Anaiysis Kequesiea	Depth:	0-1 ft		0-1 ft		0-1 ft		0-1 ft		0-1 ft		0-1 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	06.25.2020	10:00	06.25.2020	10:10	06.25.2020	10:20	06.25.2020	10:30	06.25.2020	10:40	06.25.2020	11:00
BTEX by EPA 8021B	Extracted:	06.29.2020	15:30	06.29.2020	15:30	06.29.2020 15:30		06.30.2020 17:00		06.30.2020 17:00		06.30.2020 17:00	
	Analyzed:	06.30.2020	01:25	06.30.2020	01:46	06.30.2020	02:06	07.01.2020	01:50	07.01.2020	02:11	07.01.2020	02:31
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene	·	< 0.00201	0.00201	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00201	0.00201	< 0.00199	0.00199	< 0.00199	0.00199
Toluene		< 0.00201	0.00201	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00201	0.00201	< 0.00199	0.00199	< 0.00199	0.00199
Ethylbenzene		< 0.00201	0.00201	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00201	0.00201	< 0.00199	0.00199	< 0.00199	0.00199
m,p-Xylenes		< 0.00402	0.00402	< 0.00401	0.00401	< 0.00401	0.00401	< 0.00402	0.00402	< 0.00398	0.00398	< 0.00398	0.00398
o-Xylene		< 0.00201	0.00201	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00201	0.00201	< 0.00199	0.00199	< 0.00199	0.00199
Total Xylenes		< 0.00201	0.00201	< 0.002	0.002	< 0.002	0.002	< 0.00201	0.00201	< 0.00199	0.00199	< 0.00199	0.00199
Total BTEX		< 0.00201	0.00201	< 0.002	0.002	< 0.002	0.002	< 0.00201	0.00201	< 0.00199	0.00199	< 0.00199	0.00199
Chloride by EPA 300	Extracted:	06.30.2020	10:45	06.30.2020	10:45	06.30.2020	10:45	06.30.2020	10:45	06.30.2020	10:45	06.30.2020	10:45
	Analyzed:	06.30.2020	12:56	06.30.2020	13:01	06.30.2020	13:06	06.30.2020	13:11	06.30.2020	13:16	06.30.2020	13:21
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		22.3	5.05	27.7	5.05	12.2	5.01	95.2	4.99	169	4.95	8.95	4.96
TPH by SW8015 Mod	Extracted:	06.26.2020	16:30	06.26.2020	16:30	06.26.2020	16:30	06.26.2020	16:30	06.26.2020	16:30	06.26.2020	16:30
	Analyzed:	06.26.2020	20:47	06.26.2020	21:52	06.26.2020	22:13	06.26.2020	22:34	06.26.2020	22:55	06.26.2020	23:17
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		< 50.0	50.0	< 50.0	50.0	<49.9	49.9	< 50.0	50.0	<49.8	49.8	<49.9	49.9
Diesel Range Organics (DRO)		< 50.0	50.0	< 50.0	50.0	<49.9	49.9	< 50.0	50.0	<49.8	49.8	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		< 50.0	50.0	< 50.0	50.0	<49.9	49.9	< 50.0	50.0	<49.8	49.8	<49.9	49.9
Total TPH		< 50	50	< 50	50	<49.9	49.9	< 50	50	<49.8	49.8	<49.9	49.9

BRL - Below Reporting Limit



Certificate of Analysis Summary 665688

TRC Solutions, Inc, Midland, TX

Project Name: Gold Coast 26 Federal SWD #1

Project Id: Contact:

Project Location:

Jared Stoffel

Date Received in Lab: Fri 06.26.2020 11:03

Report Date: 07.02.2020 17:39

Project Manager: Jessica Kramer

									•				
	Lab Id:	665688-0	007	665688-0	08	665688-0	009	665688-0	010	665688-0	011	665688-0	12
Analysis Requested	Field Id:	W2		W3		W4		W5		W6		N1	
Anaiysis Requesieu	Depth:	0-1 ft		0-1 ft		0-1 ft		0-1 ft		0-1 ft		0-1 ft	
	Matrix:	SOIL		SOIL	SOIL			SOIL		SOIL	,	SOIL	
	Sampled:	06.25.2020	11:10	06.25.2020	11:20	06.25.2020	11:30	06.25.2020	11:40	06.25.2020	11:50	06.25.2020 12	
BTEX by EPA 8021B	Extracted:	06.30.2020	17:00	06.30.2020	17:00	06.30.2020	17:00	06.30.2020	16:00	06.30.2020	16:00	06.30.2020	16:00
	Analyzed:	07.01.2020	02:51	07.01.2020	03:11	07.01.2020	03:32	06.30.2020	19:18	06.30.2020	19:39	06.30.2020	20:00
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		< 0.00200	0.00200	< 0.00199	0.00199	< 0.00198	0.00198	< 0.00199	0.00199	< 0.00201	0.00201	< 0.00200	0.00200
Toluene		< 0.00200	0.00200	< 0.00199	0.00199	< 0.00198	0.00198	< 0.00199	0.00199	< 0.00201	0.00201	< 0.00200	0.00200
Ethylbenzene		< 0.00200	0.00200	< 0.00199	0.00199	< 0.00198	0.00198	< 0.00199	0.00199	< 0.00201	0.00201	< 0.00200	0.00200
m,p-Xylenes	enes <0.00		0.00399	< 0.00398	0.00398	< 0.00397	0.00397	< 0.00398	0.00398	< 0.00402	0.00402	< 0.00401	0.00401
o-Xylene		< 0.00200	0.00200	< 0.00199	0.00199	< 0.00198	0.00198	< 0.00199	0.00199	< 0.00201	0.00201	< 0.00200	0.00200
Total Xylenes		< 0.002	0.002	< 0.00199	0.00199	< 0.00198	0.00198	< 0.00199	0.00199	< 0.00201	0.00201	< 0.002	0.002
Total BTEX		< 0.002	0.002	< 0.00199	0.00199	< 0.00198	0.00198	< 0.00199	0.00199	< 0.00201	0.00201	< 0.002	0.002
Chloride by EPA 300	Extracted:	06.30.2020	11:00	06.30.2020 11:00		06.30.2020 11:00		06.30.2020 11:00		06.30.2020 11:00		1:00 06.30.2020	
	Analyzed:	06.30.2020	13:52	06.30.2020	14:07	06.30.2020 14:12		06.30.2020 14:17		06.30.2020 14:22		4:22 06.30.2020 14	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		9.00	5.00	7.40	5.03	7.83	4.98	7.38	5.00	135	4.96	8.58	5.02
TPH by SW8015 Mod	Extracted:	06.26.2020	16:30	06.26.2020	16:30	06.26.2020	16:30	06.26.2020	16:30	06.26.2020	16:30	06.26.2020	16:30
	Analyzed:	06.26.2020	23:38	06.26.2020	23:59	06.27.2020	00:20	06.27.2020 00:41		06.27.2020	01:24	06.27.2020	01:45
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		< 50.0	50.0	< 50.0	50.0	<49.9	49.9	<49.9	49.9	< 50.0	50.0	<49.8	49.8
Diesel Range Organics (DRO)		< 50.0	50.0	<50.0	50.0	<49.9	49.9	<49.9	49.9	< 50.0	50.0	<49.8	49.8
Motor Oil Range Hydrocarbons (MRO)		< 50.0	50.0	<50.0	50.0	<49.9	49.9	<49.9	49.9	< 50.0	50.0	<49.8	49.8
Total TPH		< 50	50	< 50	50	<49.9	49.9	<49.9	49.9	< 50	50	<49.8	49.8

BRL - Below Reporting Limit



Certificate of Analysis Summary 665688

TRC Solutions, Inc, Midland, TX

Project Name: Gold Coast 26 Federal SWD #1

Project Id: Contact:

Jared Stoffel

Date Received in Lab: Fri 06.26.2020 11:03

Project Manager: Jessica Kramer

Report Date: 07.02.2020 17:39

Project Location:

	Lab Id:	665688-0	13	665688-0	14	665688-0	015	665688-	016		
Analysis Requested	Field Id:	N2		N3		S 1		S2			
Anaiysis Requesieu	Depth:	0-1 ft		0-1 ft		0-1 ft		0-1 ft			
	Matrix:	SOIL		SOIL		SOIL		SOIL	,		
	Sampled:	06.25.2020	6.25.2020 12:10		12:20	06.25.2020	12:40	06.25.2020	12:50		
BTEX by EPA 8021B	Extracted:	06.30.2020	16:00	06.30.2020	16:00	06.30.2020	16:00	06.30.2020	16:00		
	Analyzed:	06.30.2020	20:20	06.30.2020	20:41	06.30.2020	21:01	06.30.2020	21:22		
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL		
Benzene		< 0.00200	0.00200	< 0.00199	0.00199	< 0.00199	0.00199	< 0.00198	0.00198		
Toluene		< 0.00200	0.00200	< 0.00199	0.00199	< 0.00199	0.00199	< 0.00198	0.00198		
Ethylbenzene		< 0.00200	0.00200	< 0.00199	0.00199	< 0.00199	0.00199	< 0.00198	0.00198		
m,p-Xylenes		< 0.00399	0.00399	< 0.00398	0.00398	< 0.00398	0.00398	< 0.00396	0.00396		
o-Xylene		< 0.00200	0.00200	< 0.00199	0.00199	< 0.00199	0.00199	< 0.00198	0.00198		
Total Xylenes		< 0.002	0.002	< 0.00199	0.00199	< 0.00199	0.00199	< 0.00198	0.00198		
Total BTEX		< 0.002	0.002	< 0.00199	0.00199	< 0.00199	0.00199	< 0.00198	0.00198		
Chloride by EPA 300	Extracted:	06.30.2020	11:00	06.30.2020	11:00	06.30.2020	11:00	06.30.2020	11:00		
	Analyzed:	06.30.2020	14:42	06.30.2020	14:47	06.30.2020	14:52	06.30.2020	14:57		
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL		
Chloride		7.97	4.99	11.1	4.95	10.5	5.04	22.9	4.98		
TPH by SW8015 Mod	Extracted:	06.26.2020	16:30	06.26.2020	16:30	06.26.2020	16:30	06.26.2020	16:30		
	Analyzed:	06.27.2020	02:06	06.27.2020	02:28	06.27.2020	02:49	06.27.2020	03:10		
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL		
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<49.8	49.8	<49.9	49.9	< 50.0	50.0		
Diesel Range Organics (DRO)		<49.9	49.9	<49.8	49.8	<49.9	49.9	< 50.0	50.0		
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<49.8	49.8	<49.9	49.9	< 50.0	50.0		
Total TPH		<49.9	49.9	<49.8	49.8	<49.9	49.9	<50	50		

BRL - Below Reporting Limit



Analytical Report 665688

for

TRC Solutions, Inc

Project Manager: Jared Stoffel

Gold Coast 26 Federal SWD #1

07.02.2020

Collected By: Client



1211 W. Florida Ave Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122): Texas (T104704215-20-36), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054) Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

> Xenco-Dallas (EPA Lab Code: TX01468): Texas (T104704295-20-25), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-17)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-22)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-7)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)



07.02.2020

Project Manager: Jared Stoffel

TRC Solutions, Inc 2057 Commerce Midland, TX 79703

Reference: Eurofins Xenco, LLC Report No(s): 665688

Gold Coast 26 Federal SWD #1

Project Address:

Jared Stoffel:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 665688. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 665688 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Project Manager

A Small Business and Minority Company

Sample Cross Reference 665688

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
E1	S	06.25.2020 10:00	0 - 1 ft	665688-001
E2	S	06.25.2020 10:10	0 - 1 ft	665688-002
E3	S	06.25.2020 10:20	0 - 1 ft	665688-003
E4	S	06.25.2020 10:30	0 - 1 ft	665688-004
E5	S	06.25.2020 10:40	0 - 1 ft	665688-005
W1	S	06.25.2020 11:00	0 - 1 ft	665688-006
W2	S	06.25.2020 11:10	0 - 1 ft	665688-007
W3	S	06.25.2020 11:20	0 - 1 ft	665688-008
W4	S	06.25.2020 11:30	0 - 1 ft	665688-009
W5	S	06.25.2020 11:40	0 - 1 ft	665688-010
W6	S	06.25.2020 11:50	0 - 1 ft	665688-011
N1	S	06.25.2020 12:00	0 - 1 ft	665688-012
N2	S	06.25.2020 12:10	0 - 1 ft	665688-013
N3	S	06.25.2020 12:20	0 - 1 ft	665688-014
S1	S	06.25.2020 12:40	0 - 1 ft	665688-015
S2	S	06.25.2020 12:50	0 - 1 ft	665688-016

Xenco

CASE NARRATIVE

Client Name: TRC Solutions, Inc

Project Name: Gold Coast 26 Federal SWD #1

Project ID: Report Date: 07.02.2020 Work Order Number(s): 665688 Date Received: 06.26.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3130459 BTEX by EPA 8021B

Lab Sample ID 665688-014 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Benzene recovered above QC limits in the Matrix Spike and Matrix Spike Duplicate. Toluene recovered above QC limits in the Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 665688-010, -011, -012, -013, -014, -015, -016.

The Laboratory Control Sample for Toluene, Benzene is within laboratory Control Limits, therefore the data was accepted.



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: E1

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665688-001 Date Collected: 06.25.2020 10:00

Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

. .

% Moisture:

Analyst: CHE

Date Prep:

06.30.2020 10:45

Basis:

Wet Weight

Seq Number: 3130388

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	22.3	5.05	mg/kg	06.30.2020 12:56		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

Tech: Analyst: DVM ARM

Date Prep: 06.26.2020 16:30

Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	< 50.0	50.0		mg/kg	06.26.2020 20:47	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.0	50.0		mg/kg	06.26.2020 20:47	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.0	50.0		mg/kg	06.26.2020 20:47	U	1
Total TPH	PHC635	< 50	50		mg/kg	06.26.2020 20:47	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-130	06.26.2020 20:47	
o-Terphenyl	84-15-1	109	%	70-130	06.26.2020 20:47	



E1

KTL

Certificate of Analytical Results 665688

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

06.29.2020 15:30

Basis:

Wet Weight

Sample Id: Matrix: Soil Date Received:06.26.2020 11:03

Lab Sample Id: 665688-001 Date Collected: 06.25.2020 10:00 Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Date Prep:

Tech: KTL % Moisture:

Seq Number: 3130357

Analyst:

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00201	0.00201		mg/kg	06.30.2020 01:25	U	1
Toluene	108-88-3	< 0.00201	0.00201		mg/kg	06.30.2020 01:25	U	1
Ethylbenzene	100-41-4	< 0.00201	0.00201		mg/kg	06.30.2020 01:25	U	1
m,p-Xylenes	179601-23-1	< 0.00402	0.00402		mg/kg	06.30.2020 01:25	U	1
o-Xylene	95-47-6	< 0.00201	0.00201		mg/kg	06.30.2020 01:25	U	1
Total Xylenes	1330-20-7	< 0.00201	0.00201		mg/kg	06.30.2020 01:25	U	1
Total BTEX		< 0.00201	0.00201		mg/kg	06.30.2020 01:25	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: E2

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665688-002

Date Collected: 06.25.2020 10:10

Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P % Moisture:

Tech: CHE

Analyst:

CHE

Date Prep: 06.30.2020 10:45

Basis:

Wet Weight

Seq Number: 3130388

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	27.7	5.05	mg/kg	06.30.2020 13:01		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

Tech:
Analyst:

DVM ARM

Date Prep: 06.26.2020 16:30

Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	< 50.0	50.0		mg/kg	06.26.2020 21:52	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.0	50.0		mg/kg	06.26.2020 21:52	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.0	50.0		mg/kg	06.26.2020 21:52	U	1
Total TPH	PHC635	< 50	50		mg/kg	06.26.2020 21:52	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	



E2

Certificate of Analytical Results 665688

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Soil

Date Received:06.26.2020 11:03

Date Collected: 06.25.2020 10:10

Matrix:

Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

Lab Sample Id: 665688-002

% Moisture:

Tech: KTL
Analyst: KTL

Sample Id:

Date Prep: 06.29.2020 15:30

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200	mg/kg	06.30.2020 01:46	U	1
Toluene	108-88-3	< 0.00200	0.00200	mg/kg	06.30.2020 01:46	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200	mg/kg	06.30.2020 01:46	U	1
m,p-Xylenes	179601-23-1	< 0.00401	0.00401	mg/kg	06.30.2020 01:46	U	1
o-Xylene	95-47-6	< 0.00200	0.00200	mg/kg	06.30.2020 01:46	U	1
Total Xylenes	1330-20-7	< 0.002	0.002	mg/kg	06.30.2020 01:46	U	1
Total BTEX		< 0.002	0.002	mg/kg	06.30.2020 01:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	114	%	70-130	06.30.2020 01:46	
1,4-Difluorobenzene	540-36-3	95	%	70-130	06.30.2020 01:46	



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

06.30.2020 10:45

Sample Id: E3

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665688-003 Date Collected: 06.25.2020 10:20

Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

CHE

Prep Method: E300P

Tech: CHE

Analyst:

Date Prep:

% Moisture:

Basis:

Wet Weight

Seq Number: 3130388

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	12.2	5.01	mg/kg	06.30.2020 13:06		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

06.26.2020 22:13

06.26.2020 22:13

70-130

70-130

% Moisture:

Tech:
Analyst:

DVM ARM

Date Prep: 06.26.2020 16:30

Basis: V

Wet Weight

Seq Number: 3130172

1-Chlorooctane

o-Terphenyl

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9		mg/kg	06.26.2020 22:13	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9		mg/kg	06.26.2020 22:13	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9		mg/kg	06.26.2020 22:13	U	1
Total TPH	PHC635	<49.9	49.9		mg/kg	06.26.2020 22:13	U	1
Surrogate	•	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

96

98

111-85-3

84-15-1

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: E3 Matrix: Soil Date Received:06.26.2020 11:03

Lab Sample Id: 665688-003 Date Collected: 06.25.2020 10:20 Sample Depth: 0 - 1 ft

Prep Method: SW5035A

% Moisture:

Analyst: KTL Date Prep: 06.29.2020 15:30 Basis: Wet Weight

Seq Number: 3130357

Tech:

Analytical Method: BTEX by EPA 8021B

KTL

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	06.30.2020 02:06	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	06.30.2020 02:06	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	06.30.2020 02:06	U	1
m,p-Xylenes	179601-23-1	< 0.00401	0.00401		mg/kg	06.30.2020 02:06	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	06.30.2020 02:06	U	1
Total Xylenes	1330-20-7	< 0.002	0.002		mg/kg	06.30.2020 02:06	U	1
Total BTEX		< 0.002	0.002		mg/kg	06.30.2020 02:06	U	1
Surrogate	Ca	as Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	103	%	70-130	06.30.2020 02:06	
1,4-Difluorobenzene	540-36-3	101	%	70-130	06.30.2020 02:06	

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: **E4**

Matrix: Soil Date Received:06.26.2020 11:03

Lab Sample Id: 665688-004

Date Collected: 06.25.2020 10:30

Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech:

CHE

06.30.2020 10:45 Basis:

% Moisture:

Wet Weight

CHE Analyst: Seq Number: 3130388

Result **Parameter** Cas Number RLUnits **Analysis Date** Dil Flag Chloride 95.2 16887-00-6 4.99 mg/kg 06.30.2020 13:11 1

Date Prep:

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

Tech: Analyst: DVM ARM

Date Prep: 06.26.2020 16:30 Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	< 50.0	50.0		mg/kg	06.26.2020 22:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.0	50.0		mg/kg	06.26.2020 22:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.0	50.0		mg/kg	06.26.2020 22:34	U	1
Total TPH	PHC635	< 50	50		mg/kg	06.26.2020 22:34	U	1
Surrogate	C	as Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	
1-Chlorooctane	111-85-3	99	%	70-130	06.26.2020 22:34	
o-Terphenyl	84-15-1	104	%	70-130	06.26.2020 22:34	

Date Received:06.26.2020 11:03

Basis:

Wet Weight



E4

Certificate of Analytical Results 665688

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Soil

Matrix: Lab Sample Id: 665688-004 Date Collected: 06.25.2020 10:30 Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Date Prep:

% Moisture: 06.30.2020 17:00

Tech: AMF Analyst: **AMF**

Seq Number: 3130446

Sample Id:

Parameter	Cas Number	Result	\mathbf{RL}		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00201	0.00201		mg/kg	07.01.2020 01:50	U	1
Toluene	108-88-3	< 0.00201	0.00201		mg/kg	07.01.2020 01:50	U	1
Ethylbenzene	100-41-4	< 0.00201	0.00201		mg/kg	07.01.2020 01:50	U	1
m,p-Xylenes	179601-23-1	< 0.00402	0.00402		mg/kg	07.01.2020 01:50	U	1
o-Xylene	95-47-6	< 0.00201	0.00201		mg/kg	07.01.2020 01:50	U	1
Total Xylenes	1330-20-7	< 0.00201	0.00201		mg/kg	07.01.2020 01:50	U	1
Total BTEX		< 0.00201	0.00201		mg/kg	07.01.2020 01:50	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4 Promofluorobanzana		460 00 4	112	0/-	70 120	07.01.2020.01.50		

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	112	%	70-130	07.01.2020 01:50	
1,4-Difluorobenzene	540-36-3	97	%	70-130	07.01.2020 01:50	



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: E5

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665688-005

Date Collected: 06.25.2020 10:40

Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P % Moisture:

Tech: CHE

Analyst:

CHE

Date Prep: 06.30.2020 10:45

Basis:

Wet Weight

Seq Number: 3130388

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	169	4.95	mg/kg	06.30.2020 13:16		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

Tech:
Analyst:

DVM ARM

Date Prep: 06.26.2020 16:30

Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8		mg/kg	06.26.2020 22:55	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8		mg/kg	06.26.2020 22:55	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8		mg/kg	06.26.2020 22:55	U	1
Total TPH	PHC635	<49.8	49.8		mg/kg	06.26.2020 22:55	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date
1-Chlorooctane	111-85-3	95	%	70-130	06.26.2020 22:55
o-Terphenyl	84-15-1	98	%	70-130	06.26.2020 22:55



AMF

Tech:

Certificate of Analytical Results 665688

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: **E5** Matrix: Soil Date Received:06.26.2020 11:03

Lab Sample Id: 665688-005 Date Collected: 06.25.2020 10:40 Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

% Moisture:

Analyst: **AMF** Wet Weight Date Prep: 06.30.2020 17:00 Basis: Seq Number: 3130446

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00199	0.00199		mg/kg	07.01.2020 02:11	U	1
Toluene	108-88-3	< 0.00199	0.00199		mg/kg	07.01.2020 02:11	U	1
Ethylbenzene	100-41-4	< 0.00199	0.00199		mg/kg	07.01.2020 02:11	U	1
m,p-Xylenes	179601-23-1	< 0.00398	0.00398		mg/kg	07.01.2020 02:11	U	1
o-Xylene	95-47-6	< 0.00199	0.00199		mg/kg	07.01.2020 02:11	U	1
Total Xylenes	1330-20-7	< 0.00199	0.00199		mg/kg	07.01.2020 02:11	U	1
Total BTEX		< 0.00199	0.00199		mg/kg	07.01.2020 02:11	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	92	%	70-130	07.01.2020 02:11		
4-Bromofluorobenzene		460-00-4	106	%	70-130	07.01.2020 02:11		



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: W1 Matrix: Soil Date Received:06.26.2020 11:03

Lab Sample Id: 665688-006

Date Collected: 06.25.2020 11:00

06.30.2020 10:45

Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P % Moisture:

Tech: CHE

Analyst:

CHE

Basis:

Wet Weight

Seq Number: 3130388

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	8.95	4.96	mg/kg	06.30.2020 13:21		1

Date Prep:

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

Tech: Analyst: DVM ARM

Date Prep: 06.26.2020 16:30 Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9		mg/kg	06.26.2020 23:17	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9		mg/kg	06.26.2020 23:17	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9		mg/kg	06.26.2020 23:17	U	1
Total TPH	PHC635	<49.9	49.9		mg/kg	06.26.2020 23:17	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date
1-Chlorooctane	111-85-3	91	%	70-130	06.26.2020 23:17
o-Terphenyl	84-15-1	92	%	70-130	06.26.2020 23:17



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: W1 Matrix: Soil Date Received:06.26.2020 11:03

Lab Sample Id: 665688-006 Date Collected: 06.25.2020 11:00 Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: AMF % Moisture:

460-00-4

Analyst: AMF Date Prep: 06.30.2020 17:00 Basis: Wet Weight

Seq Number: 3130446

4-Bromofluorobenzene

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00199	0.00199		mg/kg	07.01.2020 02:31	U	1
Toluene	108-88-3	< 0.00199	0.00199		mg/kg	07.01.2020 02:31	U	1
Ethylbenzene	100-41-4	< 0.00199	0.00199		mg/kg	07.01.2020 02:31	U	1
m,p-Xylenes	179601-23-1	< 0.00398	0.00398		mg/kg	07.01.2020 02:31	U	1
o-Xylene	95-47-6	< 0.00199	0.00199		mg/kg	07.01.2020 02:31	U	1
Total Xylenes	1330-20-7	< 0.00199	0.00199		mg/kg	07.01.2020 02:31	U	1
Total BTEX		< 0.00199	0.00199		mg/kg	07.01.2020 02:31	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	93	%	70-130	07.01.2020 02:31		

96

70-130

07.01.2020 02:31



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: W2

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665688-007

Date Collected: 06.25.2020 11:10

Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst:

CHE

Date Prep: 06.30.2020 11:00

% Moisture:

Basis:

Wet Weight

Seq Number: 3130390

 Parameter
 Cas Number
 Result
 RL
 Units
 Analysis Date
 Flag
 Dil

 Chloride
 16887-00-6
 9.00
 5.00
 mg/kg
 06.30.2020 13:52
 1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

Tech:
Analyst:

DVM ARM

Date Prep: 06.26.2020 16:30

Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	< 50.0	50.0		mg/kg	06.26.2020 23:38	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.0	50.0		mg/kg	06.26.2020 23:38	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.0	50.0		mg/kg	06.26.2020 23:38	U	1
Total TPH	PHC635	< 50	50		mg/kg	06.26.2020 23:38	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	F
1-Chlorooctane	111-85-3	89	%	70-130	06.26.2020 23:38	
o-Terphenyl	84-15-1	90	%	70-130	06.26.2020 23:38	



W2

Certificate of Analytical Results 665688

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: Matrix: Soil Date Received:06.26.2020 11:03

Lab Sample Id: 665688-007 Date Collected: 06.25.2020 11:10 Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

AMF % Moisture:

AMF Analyst: Date Prep: 06.30.2020 17:00 Basis: Wet Weight

Seq Number: 3130446

Tech:

Parameter	Cas Number	r Result	\mathbf{RL}		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	07.01.2020 02:51	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	07.01.2020 02:51	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	07.01.2020 02:51	U	1
m,p-Xylenes	179601-23-1	< 0.00399	0.00399		mg/kg	07.01.2020 02:51	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	07.01.2020 02:51	U	1
Total Xylenes	1330-20-7	< 0.002	0.002		mg/kg	07.01.2020 02:51	U	1
Total BTEX		< 0.002	0.002		mg/kg	07.01.2020 02:51	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	94	%	70-130	07.01.2020 02:51		
4-Bromofluorobenzene		460-00-4	109	%	70-130	07.01.2020 02:51		



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: W3 Matrix: Soil Date Received:06.26.2020 11:03

Lab Sample Id: 665688-008

Date Collected: 06.25.2020 11:20

Sample Depth: 0 - 1 ft Prep Method: E300P

Analytical Method: Chloride by EPA 300

% Moisture:

Tech: CHE

Analyst:

CHE

Date Prep: 06.30.2020 11:00 Basis:

Wet Weight

Seq Number: 3130390

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	7.40	5.03	mo/ko	06 30 2020 14:07		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

Tech: Analyst: DVM ARM

Date Prep: 06.26.2020 16:30 Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	< 50.0	50.0		mg/kg	06.26.2020 23:59	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.0	50.0		mg/kg	06.26.2020 23:59	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.0	50.0		mg/kg	06.26.2020 23:59	U	1
Total TPH	PHC635	< 50	50		mg/kg	06.26.2020 23:59	U	1
Surrogate	(Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date
1-Chlorooctane	111-85-3	95	%	70-130	06.26.2020 23:59
o-Terphenyl	84-15-1	95	%	70-130	06.26.2020 23:59



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: W3Matrix: Soil Date Received:06.26.2020 11:03

Lab Sample Id: 665688-008 Date Collected: 06.25.2020 11:20 Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

% Moisture:

AMF Analyst: Date Prep: 06.30.2020 17:00 Basis: Wet Weight

Seq Number: 3130446

AMF

Tech:

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00199	0.00199		mg/kg	07.01.2020 03:11	U	1
Toluene	108-88-3	< 0.00199	0.00199		mg/kg	07.01.2020 03:11	U	1
Ethylbenzene	100-41-4	< 0.00199	0.00199		mg/kg	07.01.2020 03:11	U	1
m,p-Xylenes	179601-23-1	< 0.00398	0.00398		mg/kg	07.01.2020 03:11	U	1
o-Xylene	95-47-6	< 0.00199	0.00199		mg/kg	07.01.2020 03:11	U	1
Total Xylenes	1330-20-7	< 0.00199	0.00199		mg/kg	07.01.2020 03:11	U	1
Total BTEX		< 0.00199	0.00199		mg/kg	07.01.2020 03:11	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1 4 Diffuorehonzene		10 26 2	05	0/	70.120	07.01.2020.02.11		



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: W4

Matrix:

Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665688-009

Date Collected: 06.25.2020 11:30

Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P % Moisture:

Tech:

Analyst:

CHE CHE

Date Prep:

06.30.2020 11:00

Basis:

Wet Weight

Seq Number: 3130390

Result **Parameter** Cas Number RLUnits **Analysis Date** Dil Flag Chloride 16887-00-6 7.83 4.98 mg/kg 06.30.2020 14:12 1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

DVM ARM

Tech:

Analyst:

Date Prep: 06.26.2020 16:30 % Moisture:

Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9		mg/kg	06.27.2020 00:20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9		mg/kg	06.27.2020 00:20	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9		mg/kg	06.27.2020 00:20	U	1
Total TPH	PHC635	<49.9	49.9		mg/kg	06.27.2020 00:20	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date
1-Chlorooctane	111-85-3	96	%	70-130	06.27.2020 00:20
o-Terphenyl	84-15-1	96	%	70-130	06.27.2020 00:20



W4

Lab Sample Id: 665688-009

Certificate of Analytical Results 665688

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Date Received:06.26.2020 11:03

Soil Date Collected: 06.25.2020 11:30 Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Matrix:

% Moisture:

Tech: AMF Analyst: **AMF** Wet Weight Date Prep: 06.30.2020 17:00 Basis:

Seq Number: 3130446

Sample Id:

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00198	0.00198		mg/kg	07.01.2020 03:32	U	1
Toluene	108-88-3	< 0.00198	0.00198		mg/kg	07.01.2020 03:32	U	1
Ethylbenzene	100-41-4	< 0.00198	0.00198		mg/kg	07.01.2020 03:32	U	1
m,p-Xylenes	179601-23-1	< 0.00397	0.00397		mg/kg	07.01.2020 03:32	U	1
o-Xylene	95-47-6	< 0.00198	0.00198		mg/kg	07.01.2020 03:32	U	1
Total Xylenes	1330-20-7	< 0.00198	0.00198		mg/kg	07.01.2020 03:32	U	1
Total BTEX		< 0.00198	0.00198		mg/kg	07.01.2020 03:32	U	1
Surrogate	•	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	94	%	70-130	07.01.2020 03:32	
4-Bromofluorobenzene	460-00-4	106	%	70-130	07.01.2020 03:32	

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Gold Coast 26 Federal SWD #1

Sample Id: W5 Matrix: Soil Date Received:06.26.2020 11:03

Lab Sample Id: 665688-010

Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst:

CHE

% Moisture:

Date Prep: 06.30.2020 11:00

Date Collected: 06.25.2020 11:40

Basis:

Wet Weight

Seq Number: 3130390

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	7.38	5.00	mg/kg	06.30.2020 14:17		1

Analytical Method: TPH by SW8015 Mod

ARM

Prep Method: SW8015P

% Moisture:

DVM Tech:

Analyst:

Date Prep: 06.26.2020 16:30 Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9		mg/kg	06.27.2020 00:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9		mg/kg	06.27.2020 00:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9		mg/kg	06.27.2020 00:41	U	1
Total TPH	PHC635	<49.9	49.9		mg/kg	06.27.2020 00:41	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Fl
1-Chlorooctane	111-85-3	96	%	70-130	06.27.2020 00:41	
o-Terphenyl	84-15-1	96	%	70-130	06.27.2020 00:41	

Date Received:06.26.2020 11:03



W5

Certificate of Analytical Results 665688

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Soil

Matrix: Lab Sample Id: 665688-010 Date Collected: 06.25.2020 11:40 Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: **AMF** % Moisture:

540-36-3

AMF Analyst: Date Prep: 06.30.2020 16:00 Basis: Wet Weight

Seq Number: 3130459

1,4-Difluorobenzene

Sample Id:

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00199	0.00199		mg/kg	06.30.2020 19:18	U	1
Toluene	108-88-3	< 0.00199	0.00199		mg/kg	06.30.2020 19:18	U	1
Ethylbenzene	100-41-4	< 0.00199	0.00199		mg/kg	06.30.2020 19:18	U	1
m,p-Xylenes	179601-23-1	< 0.00398	0.00398		mg/kg	06.30.2020 19:18	U	1
o-Xylene	95-47-6	< 0.00199	0.00199		mg/kg	06.30.2020 19:18	U	1
Total Xylenes	1330-20-7	< 0.00199	0.00199		mg/kg	06.30.2020 19:18	U	1
Total BTEX		< 0.00199	0.00199		mg/kg	06.30.2020 19:18	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	115	%	70-130	06.30.2020 19:18		

113

70-130

06.30.2020 19:18

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

06.30.2020 11:00

Sample Id: **W6** Lab Sample Id: 665688-011 Matrix: Soil Date Received:06.26.2020 11:03

Date Collected: 06.25.2020 11:50

Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

CHE

Prep Method: E300P % Moisture:

Tech: CHE

Analyst:

Date Prep:

Basis:

Wet Weight

Seq Number: 3130390

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	135	4.96	mø/kø	06.30.2020.14:22		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

70-130

Tech: Analyst: DVM ARM

Date Prep: 06.26.2020 16:30 Basis:

06.27.2020 01:24

Wet Weight

Seq Number: 3130172

o-Terphenyl

Parameter	Cas Number	r Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	< 50.0	50.0		mg/kg	06.27.2020 01:24	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.0	50.0		mg/kg	06.27.2020 01:24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.0	50.0		mg/kg	06.27.2020 01:24	U	1
Total TPH	PHC635	<50	50		mg/kg	06.27.2020 01:24	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	95	%	70-130	06.27.2020 01:24		

95

84-15-1



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: **W6** Matrix: Soil Date Received:06.26.2020 11:03

Lab Sample Id: 665688-011 Date Collected: 06.25.2020 11:50 Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: **AMF** % Moisture:

AMF Analyst: Date Prep: 06.30.2020 16:00 Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00201	0.00201		mg/kg	06.30.2020 19:39	U	1
Toluene	108-88-3	< 0.00201	0.00201		mg/kg	06.30.2020 19:39	U	1
Ethylbenzene	100-41-4	< 0.00201	0.00201		mg/kg	06.30.2020 19:39	U	1
m,p-Xylenes	179601-23-1	< 0.00402	0.00402		mg/kg	06.30.2020 19:39	U	1
o-Xylene	95-47-6	< 0.00201	0.00201		mg/kg	06.30.2020 19:39	U	1
Total Xylenes	1330-20-7	< 0.00201	0.00201		mg/kg	06.30.2020 19:39	U	1
Total BTEX		< 0.00201	0.00201		mg/kg	06.30.2020 19:39	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1.4-Diffuorobenzene	5	540-36-3	105	0/2	70-130	06 30 2020 19:39		

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: N1

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665688-012

Date Collected: 06.25.2020 12:00

Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst:

CHE

06.30.2020 11:00 Basis:

% Moisture:

Basis: Wet Weight

Seq Number: 3130390

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	8.58	5.02	mg/kg	06.30.2020 14:37		1

Date Prep:

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

Tech:
Analyst:

DVM ARM

Date Prep: 06.26.2020 16:30

Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8		mg/kg	06.27.2020 01:45	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8		mg/kg	06.27.2020 01:45	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8		mg/kg	06.27.2020 01:45	U	1
Total TPH	PHC635	<49.8	49.8		mg/kg	06.27.2020 01:45	U	1
Surrogate	•	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: N1 Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665688-012 Date Collected: 06.25.2020 12:00

Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 06.30.2020 16:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	06.30.2020 20:00	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	06.30.2020 20:00	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	06.30.2020 20:00	U	1
m,p-Xylenes	179601-23-1	< 0.00401	0.00401		mg/kg	06.30.2020 20:00	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	06.30.2020 20:00	U	1
Total Xylenes	1330-20-7	< 0.002	0.002		mg/kg	06.30.2020 20:00	U	1
Total BTEX		< 0.002	0.002		mg/kg	06.30.2020 20:00	U	1
Surrogate	Ca	as Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Fla
4-Bromofluorobenzene	460-00-4	99	%	70-130	06.30.2020 20:00	
1,4-Difluorobenzene	540-36-3	109	%	70-130	06.30.2020 20:00	

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: N2

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665688-013 Date Collected: 06.25.2020 12:10

Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Date Prep:

% Moisture:

Analyst: CHE Seq Number: 3130390 06.30.2020 11:00

Basis:

Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	7.97	4.99	mg/kg	06.30.2020 14:42		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

Tech:
Analyst:

DVM ARM

Date Prep: 06.26.2020 16:30

Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9		mg/kg	06.27.2020 02:06	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9		mg/kg	06.27.2020 02:06	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9		mg/kg	06.27.2020 02:06	U	1
Total TPH	PHC635	<49.9	49.9		mg/kg	06.27.2020 02:06	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date
1-Chlorooctane	111-85-3	98	%	70-130	06.27.2020 02:06
o-Terphenyl	84-15-1	100	%	70-130	06.27.2020 02:06



N2

Analytical Method: BTEX by EPA 8021B

Certificate of Analytical Results 665688

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Matrix: Soil Date Received:06.26.2020 11:03

Lab Sample Id: 665688-013 Date Collected: 06.25.2020 12:10 Sample Depth: 0 - 1 ft

Prep Method: SW5035A

% Moisture:

Tech: AMF Analyst: **AMF** Wet Weight Date Prep: 06.30.2020 16:00 Basis:

Seq Number: 3130459

Sample Id:

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	06.30.2020 20:20	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	06.30.2020 20:20	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	06.30.2020 20:20	U	1
m,p-Xylenes	179601-23-1	< 0.00399	0.00399		mg/kg	06.30.2020 20:20	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	06.30.2020 20:20	U	1
Total Xylenes	1330-20-7	< 0.002	0.002		mg/kg	06.30.2020 20:20	U	1
Total BTEX		< 0.002	0.002		mg/kg	06.30.2020 20:20	U	1
Surrogate	Ca	as Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	114	%	70-130	06.30.2020 20:20	
1,4-Difluorobenzene	540-36-3	112	%	70-130	06.30.2020 20:20	

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: N3 Lab Sample Id: 665688-014 Matrix: Soil

Date Received:06.26.2020 11:03

Date Collected: 06.25.2020 12:20

Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep:

06.30.2020 11:00

Basis:

Wet Weight

Seq Number: 3130390

Parameter	Cas Number	Result	RL	Units	Units Analysis Date Fla		Dil
Chloride	16887-00-6	11.1	4.95	mg/kg	06.30.2020 14:47		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

DVM

DVM ARM % Moisture:

Date Prep: 06.26.2020 16:30

Basis: Wet Weight

Seq Number: 3130172

Tech:
Analyst:

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8		mg/kg	06.27.2020 02:28	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8		mg/kg	06.27.2020 02:28	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8		mg/kg	06.27.2020 02:28	U	1
Total TPH	PHC635	<49.8	49.8		mg/kg	06.27.2020 02:28	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: N3 Matrix: Soil Date Received:06.26.2020 11:03

Lab Sample Id: 665688-014 Date Collected: 06.25.2020 12:20 Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: AMF % Moisture:

460-00-4

Analyst: AMF Date Prep: 06.30.2020 16:00 Basis: Wet Weight

Seq Number: 3130459

4-Bromofluorobenzene

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00199	0.00199		mg/kg	06.30.2020 20:41	UX	1
Toluene	108-88-3	< 0.00199	0.00199		mg/kg	06.30.2020 20:41	UX	1
Ethylbenzene	100-41-4	< 0.00199	0.00199		mg/kg	06.30.2020 20:41	U	1
m,p-Xylenes	179601-23-1	< 0.00398	0.00398		mg/kg	06.30.2020 20:41	U	1
o-Xylene	95-47-6	< 0.00199	0.00199		mg/kg	06.30.2020 20:41	U	1
Total Xylenes	1330-20-7	< 0.00199	0.00199		mg/kg	06.30.2020 20:41	U	1
Total BTEX		< 0.00199	0.00199		mg/kg	06.30.2020 20:41	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	:	540-36-3	116	%	70-130	06.30.2020 20:41		

96

70-130

06.30.2020 20:41

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: S1 Matrix:

Date Received:06.26.2020 11:03

Lab Sample Id: 665688-015

Soil Date Collected: 06.25.2020 12:40

Sample Depth: 0 - 1 ft

Prep Method: E300P

Analytical Method: Chloride by EPA 300

Xenco

% Moisture:

Tech: CHE

Analyst:

Tech:

CHE

Date Prep:

06.30.2020 11:00

06.26.2020 16:30

Basis:

Wet Weight

Seq Number: 3130390

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	10.5	5.04	mg/kg	06.30.2020 14:52		1

Analytical Method: TPH by SW8015 Mod

ARM

Prep Method: SW8015P

DVM

% Moisture:

Basis: Wet Weight

Analyst: Seq Number: 3130172

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9		mg/kg	06.27.2020 02:49	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9		mg/kg	06.27.2020 02:49	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9		mg/kg	06.27.2020 02:49	U	1
Total TPH	PHC635	<49.9	49.9		mg/kg	06.27.2020 02:49	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	F
1-Chlorooctane	111-85-3	89	%	70-130	06.27.2020 02:49	
o-Terphenyl	84-15-1	89	%	70-130	06.27.2020 02:49	

Date Prep:



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: S1

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665688-015

Date Collected: 06.25.2020 12:40

Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 06.30.2020 16:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00199	0.00199	mg/kg	06.30.2020 21:01	U	1
Toluene	108-88-3	< 0.00199	0.00199	mg/kg	06.30.2020 21:01	U	1
Ethylbenzene	100-41-4	< 0.00199	0.00199	mg/kg	06.30.2020 21:01	U	1
m,p-Xylenes	179601-23-1	< 0.00398	0.00398	mg/kg	06.30.2020 21:01	U	1
o-Xylene	95-47-6	< 0.00199	0.00199	mg/kg	06.30.2020 21:01	U	1
Total Xylenes	1330-20-7	< 0.00199	0.00199	mg/kg	06.30.2020 21:01	U	1
Total BTEX		< 0.00199	0.00199	mg/kg	06.30.2020 21:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	107	%	70-130	06.30.2020 21:01	
1,4-Difluorobenzene	540-36-3	109	%	70-130	06.30.2020 21:01	



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: **S2** Matrix:

Date Received:06.26.2020 11:03

Lab Sample Id: 665688-016

Soil Date Collected: 06.25.2020 12:50

Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P % Moisture:

Tech: CHE

Analyst:

CHE

Date Prep: 06.30.2020 11:00

Basis:

Wet Weight

Seq Number: 3130390

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	22.9	4.98	mø/kø	06.30.2020 14:57		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

Tech: Analyst: DVM ARM

Date Prep: 06.26.2020 16:30 Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	< 50.0	50.0		mg/kg	06.27.2020 03:10	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.0	50.0		mg/kg	06.27.2020 03:10	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.0	50.0		mg/kg	06.27.2020 03:10	U	1
Total TPH	PHC635	< 50	50		mg/kg	06.27.2020 03:10	U	1
Surrogate	(Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date
1-Chlorooctane	111-85-3	94	%	70-130	06.27.2020 03:10
o-Terphenyl	84-15-1	94	%	70-130	06.27.2020 03:10



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: S2 Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665688-016 Date Collected: 06.25.2020 12:50

Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

70-130

Analyst: AMF

Date Prep: 06.30.2020 16:00

Basis: Wet Weight

06.30.2020 21:22

Seq Number: 3130459

4-Bromofluorobenzene

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00198	0.00198		mg/kg	06.30.2020 21:22	U	1
Toluene	108-88-3	< 0.00198	0.00198		mg/kg	06.30.2020 21:22	U	1
Ethylbenzene	100-41-4	< 0.00198	0.00198		mg/kg	06.30.2020 21:22	U	1
m,p-Xylenes	179601-23-1	< 0.00396	0.00396		mg/kg	06.30.2020 21:22	U	1
o-Xylene	95-47-6	< 0.00198	0.00198		mg/kg	06.30.2020 21:22	U	1
Total Xylenes	1330-20-7	< 0.00198	0.00198		mg/kg	06.30.2020 21:22	U	1
Total BTEX		< 0.00198	0.00198		mg/kg	06.30.2020 21:22	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	116	%	70-130	06.30.2020 21:22		

100

460-00-4



Xenco

Flagging Criteria

- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the quantitation limit and above the detection limit.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- **H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- **K** Sample analyzed outside of recommended hold time.
- **JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit SDL Sample Detection Limit LOD Limit of Detection

PQL Practical Quantitation Limit MQL Method Quantitation Limit LOQ Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample BLK Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample BKSD/LCSD Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate MS Matrix Spike MSD: Matrix Spike Duplicate

- + NELAC certification not offered for this compound.
- * (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

^{**} Surrogate recovered outside laboratory control limit.



MB Sample Id:

QC Summary 665688

TRC Solutions, Inc

Gold Coast 26 Federal SWD #1

E300P Analytical Method: Chloride by EPA 300 Prep Method: Seg Number: 3130388 Matrix: Solid Date Prep: 06.30.2020

LCS Sample Id: 7706452-1-BKS LCSD Sample Id: 7706452-1-BSD MB Sample Id: 7706452-1-BLK

RPD MB Spike LCS LCS Limits %RPD Units Analysis LCSD LCSD Flag **Parameter** Result Amount Result %Rec Result %Rec Limit Date Chloride < 5.00 250 239 96 261 90-110 9 20 06.30.2020 10:54 104 mg/kg

E300P Analytical Method: Chloride by EPA 300 Prep Method:

Seq Number: 3130390 Matrix: Solid Date Prep: 06.30.2020 7706453-1-BLK LCS Sample Id: 7706453-1-BKS LCSD Sample Id: 7706453-1-BSD

MB Spike LCS LCS LCSD LCSD Limits %RPD RPD Units Analysis **Parameter** Flag Result

Amount Result %Rec %Rec Limit Date Result 06.30.2020 13:41 Chloride < 5.00 250 265 106 254 102 90-110 4 20 mg/kg

E300P Analytical Method: Chloride by EPA 300 Prep Method:

3130388 Seq Number: Matrix: Soil Date Prep: 06.30.2020 MS Sample Id: 665645-001 S MSD Sample Id: 665645-001 SD

Parent Sample Id: 665645-001 Spike **RPD Parent** MS MS %RPD Units MSD **MSD** Limite Analysis

Flag **Parameter** Result Result Limit Date Amount %Rec Result %Rec Chloride 20 06.30.2020 11:10 23.9 248 262 96 272 100 90-110 4 mg/kg

E300P Analytical Method: Chloride by EPA 300 Prep Method:

3130388 Matrix: 06.30.2020 Seq Number: Date Prep: Parent Sample Id: 665648-007 MS Sample Id: 665648-007 S MSD Sample Id: 665648-007 SD

RPD Parent Spike MS MS MSD **MSD** Limits %RPD Units Analysis Flag **Parameter** Result Limit Date Result Amount %Rec %Rec Result 06.30.2020 12:20 Chloride 16.8 20 250 262 98 283 106 90-110 8 mg/kg

E300P **Analytical Method:** Chloride by EPA 300 Prep Method:

3130390 Matrix: Soil Seq Number: Date Prep: 06.30.2020

665688-007 S Parent Sample Id: 665688-007 MS Sample Id: MSD Sample Id: 665688-007 SD

Parent Spike MS MS Limits %RPD RPD Units Analysis MSD MSD Flag **Parameter** Result Limit Date Result Amount %Rec Result %Rec

06.30.2020 13:57 Chloride 9.00 250 259 100 259 100 90-110 0 20 mg/kg

E300P Analytical Method: Chloride by EPA 300 Prep Method:

3130390 06.30.2020 Seq Number: Matrix: Soil Date Prep:

665689-001 S 665689-001 SD MS Sample Id: MSD Sample Id: Parent Sample Id: 665689-001 Spike %RPD RPD Parent MS MS Limits Units Analysis

Flag **Parameter** Result Result Limit Date Amount %Rec %Rec Result 06.30.2020 15:07 108 2 20 Chloride 40.6 249 309 314 110 90-110 mg/kg

MSD

MSD

MS/MSD Percent Recovery Relative Percent Difference LCS/LCSD Recovery Log Difference

[D] = 100*(C-A) / BRPD = 200* | (C-E) / (C+E) |[D] = 100 * (C) / [B]

Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample = Parent Result = MS/LCS Result

B = Spike Added D = MSD/LCSD % Rec

MS = Matrix Spike

= MSD/LCSD Result

Flag

Flag

Flag



QC Summary 665688

TRC Solutions, Inc

Gold Coast 26 Federal SWD #1

Analytical Method:TPH by SW8015 ModPrep Method:SW8015PSeq Number:3130172Matrix:SolidDate Prep:06.26.2020

MB Sample Id: 7706304-1-BLK LCS Sample Id: 7706304-1-BKS LCSD Sample Id: 7706304-1-BSD

RPD MB Spike LCS LCS Limits %RPD Units Analysis LCSD LCSD **Parameter** Result Amount Result %Rec Result %Rec Limit Date Gasoline Range Hydrocarbons (GRO) 1000 934 93 0 20 06.26.2020 20:04 < 50.0 935 94 70-130 mg/kg 06.26.2020 20:04 Diesel Range Organics (DRO) 1000 1050 105 1060 70-130 20 mg/kg < 50.0 106 1

MB MB LCS LCS LCSD Limits Units Analysis LCSD **Surrogate** %Rec Flag %Rec Flag Flag Date %Rec 06.26.2020 20:04 1-Chlorooctane 97 96 97 70-130 % 97 06.26.2020 20:04 o-Terphenyl 100 97 70-130 %

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Seq Number: 3130172 Matrix: Solid Date Prep: 06.26.2020

MB Sample Id: 7706304-1-BLK

ParameterMB ResultUnits DateAnalysis DateFlagMotor Oil Range Hydrocarbons (MRO)<50.0mg/kg06.26.2020 19:43

Analytical Method:TPH by SW8015 ModPrep Method:SW8015PSeq Number:3130172Matrix:SoilDate Prep:06.26.2020

Parent Sample Id: 665688-001 MS Sample Id: 665688-001 S MSD Sample Id: 665688-001 SD

Parent Spike MS MS %RPD RPD MSD MSD Limits Units Analysis **Parameter** Result Limit Amount Result %Rec Result %Rec Date 06.26.2020 21:09 Gasoline Range Hydrocarbons (GRO) <49.9 997 830 83 828 70-130 0 20 mg/kg 83 Diesel Range Organics (DRO) <49.9 997 929 93 905 91 70-130 3 20 mg/kg 06.26.2020 21:09

MS **MSD** Units Analysis MS **MSD** Limits Surrogate %Rec Flag Flag Date %Rec 06.26.2020 21:09 98 1-Chlorooctane 96 70-130 % 06.26.2020 21:09 95 o-Terphenyl 98 70-130 %

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

 Seq Number:
 3130357
 Matrix:
 Solid
 Date Prep:
 06.29.2020

 MB Sample Id:
 7706409-1-BLK
 LCS Sample Id:
 7706409-1-BKS
 LCSD Sample Id:
 7706409-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date
Benzene	< 0.00200	0.100	0.101	101	0.104	104	70-130	3	35	mg/kg	06.29.2020 23:01
Toluene	< 0.00200	0.100	0.0947	95	0.0943	94	70-130	0	35	mg/kg	06.29.2020 23:01
Ethylbenzene	< 0.00200	0.100	0.0997	100	0.100	100	70-130	0	35	mg/kg	06.29.2020 23:01
m,p-Xylenes	< 0.00400	0.200	0.201	101	0.202	101	70-130	0	35	mg/kg	06.29.2020 23:01
o-Xylene	< 0.00200	0.100	0.101	101	0.102	102	70-130	1	35	mg/kg	06.29.2020 23:01

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	102		97		99		70-130	%	06.29.2020 23:01
4-Bromofluorobenzene	100		98		100		70-130	%	06.29.2020 23:01

MS/MSD Percent Recovery Relative Percent Difference LCS/LCSD Recovery Log Difference [D] = 100*(C-A) / B RPD = 200* | (C-E) / (C+E) | [D] = 100 * (C) / [B]

Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample A = Parent Result C = MS/LCS Result

E = MSD/LCSD Result

MS = Matrix Spike B = Spike Added D = MSD/LCSD % Rec

06.30.2020 17:15

Flag

Flag

4-Bromofluorobenzene

96

QC Summary 665688

TRC Solutions, Inc

Gold Coast 26 Federal SWD #1

87

70-130

Analytical Method:BTEX by EPA 8021BPrep Method:SW5035ASeq Number:3130459Matrix:SolidDate Prep:06.30.2020MB Sample Id:7706528-1-BLKLCS Sample Id:7706528-1-BKSLCSD Sample Id:7706528-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	< 0.00200	0.100	0.120	120	0.105	105	70-130	13	35	mg/kg	06.30.2020 17:15	
Toluene	< 0.00200	0.100	0.106	106	0.0932	93	70-130	13	35	mg/kg	06.30.2020 17:15	
Ethylbenzene	< 0.00200	0.100	0.0989	99	0.0871	87	70-130	13	35	mg/kg	06.30.2020 17:15	
m,p-Xylenes	< 0.00400	0.200	0.189	95	0.167	84	70-130	12	35	mg/kg	06.30.2020 17:15	
o-Xylene	< 0.00200	0.100	0.0956	96	0.0843	84	70-130	13	35	mg/kg	06.30.2020 17:15	
Surrogate	MB %Rec	MB Flag	Lo %I		LCS Flag	LCSI %Rec			imits	Units	Analysis Date	
1,4-Difluorobenzene	106		10	00		98		70	-130	%	06.30.2020 17:15	

Analytical Method:BTEX by EPA 8021BPrep Method:SW5035ASeq Number:3130446Matrix:SolidDate Prep:06.30.2020

94

MB Sample Id: 7706513-1-BLK LCS Sample Id: 7706513-1-BKS LCSD Sample Id: 7706513-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date
Benzene	< 0.00200	0.100	0.115	115	0.0993	99	70-130	15	35	mg/kg	06.30.2020 18:57
Toluene	< 0.00200	0.100	0.107	107	0.0959	96	70-130	11	35	mg/kg	06.30.2020 18:57
Ethylbenzene	< 0.00200	0.100	0.109	109	0.101	101	70-130	8	35	mg/kg	06.30.2020 18:57
m,p-Xylenes	< 0.00400	0.200	0.218	109	0.199	100	70-130	9	35	mg/kg	06.30.2020 18:57
o-Xylene	< 0.00200	0.100	0.111	111	0.103	103	70-130	7	35	mg/kg	06.30.2020 18:57

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	92		97		95		70-130	%	06.30.2020 18:57
4-Bromofluorobenzene	108		111		112		70-130	%	06.30.2020 18:57

Analytical Method:BTEX by EPA 8021BPrep Method:SW5035ASeq Number:3130357Matrix: SoilDate Prep:06.29.2020

Parent Sample Id: 665688-001 MS Sample Id: 665688-001 S MSD Sample Id: 665688-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date
Benzene	< 0.00202	0.101	0.0864	86	0.0717	72	70-130	19	35	mg/kg	06.29.2020 23:42
Toluene	< 0.00202	0.101	0.0904	90	0.0768	77	70-130	16	35	mg/kg	06.29.2020 23:42
Ethylbenzene	< 0.00202	0.101	0.0911	90	0.0769	77	70-130	17	35	mg/kg	06.29.2020 23:42
m,p-Xylenes	< 0.00404	0.202	0.187	93	0.159	80	70-130	16	35	mg/kg	06.29.2020 23:42
o-Xylene	< 0.00202	0.101	0.0929	92	0.0803	80	70-130	15	35	mg/kg	06.29.2020 23:42

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	96		96		70-130	%	06.29.2020 23:42
4-Bromofluorobenzene	100		107		70-130	%	06.29.2020 23:42

MS/MSD Percent Recovery Relative Percent Difference LCS/LCSD Recovery Log Difference [D] = 100*(C-A) / B RPD = 200* | (C-E) / (C+E) | [D] = 100 * (C) / [B] Log Diff = Log(Sample Duplic

Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample A = Parent Result

C = MS/LCS ResultE = MSD/LCSD Result MS = Matrix Spike B = Spike AddedD = MSD/LCSD % Rec

Flag

QC Summary 665688

TRC Solutions, Inc

Gold Coast 26 Federal SWD #1

Analytical Method: BTEX by EPA 8021B

SW5035A Prep Method: Date Prep: 06.30.2020

Prep Method:

SW5035A

Seq Number: 3130459 Matrix: Soil Parent Sample Id: 665688-014 MS Sample Id: 665688-014 S MSD Sample Id: 665688-014 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	< 0.00198	0.0992	0.130	131	0.158	160	70-130	19	35	mg/kg	06.30.2020 17:56	X
Toluene	< 0.00198	0.0992	0.114	115	0.134	135	70-130	16	35	mg/kg	06.30.2020 17:56	X
Ethylbenzene	< 0.00198	0.0992	0.105	106	0.123	124	70-130	16	35	mg/kg	06.30.2020 17:56	
m,p-Xylenes	< 0.00397	0.198	0.201	102	0.233	118	70-130	15	35	mg/kg	06.30.2020 17:56	
o-Xylene	< 0.00198	0.0992	0.101	102	0.117	118	70-130	15	35	mg/kg	06.30.2020 17:56	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	94		99		70-130	%	06.30.2020 17:56
4-Bromofluorobenzene	85		91		70-130	%	06.30.2020 17:56

Analytical Method: BTEX by EPA 8021B

Seq Number: 3130446 Matrix: Soil Date Prep: 06.30.2020 MS Sample Id: 665852-001 S MSD Sample Id: 665852-001 SD Parent Sample Id: 665852-001

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	I
Benzene	< 0.00198	0.0992	0.103	104	0.103	104	70-130	0	35	mg/kg	06.30.2020 19:39	
Toluene	< 0.00198	0.0992	0.0944	95	0.0950	96	70-130	1	35	mg/kg	06.30.2020 19:39	
Ethylbenzene	< 0.00198	0.0992	0.0943	95	0.0949	96	70-130	1	35	mg/kg	06.30.2020 19:39	
m,p-Xylenes	< 0.00397	0.198	0.185	93	0.186	94	70-130	1	35	mg/kg	06.30.2020 19:39	
o-Xylene	< 0.00198	0.0992	0.0941	95	0.0955	96	70-130	1	35	mg/kg	06.30.2020 19:39	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	97		101		70-130	%	06.30.2020 19:39
4-Bromofluorobenzene	110		115		70-130	%	06.30.2020 19:39

Company Name:

TRC

Jared Stoffel

Address:

10 Desta Dr. STE 150 E

Address:



Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334 Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296 **Chain of Custody**

Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)

Bill to: (if different) Company Name:

cog lke Tavarez

Program: UST/PST ☐ PRP ☐ Brownfields ☐RRC ☐ Superfund ☐

Work Order Comments

www.xenco.com

Page ___

of 2

State of Project:

Work Order No: USOS

Phone: (432) 238-3003		160 Inc. 1 4				,		[
	Lindli, ike,	ciliali. Jike, Jareo, Tania,	Grubbs			Deliverables: EDD	Deliverables: EDD ADaPT Other:	,
Project Name: Gold Coast 26 Federal SWD #1	Turn Around	Tound			ANAI YEIG DEOL		Work Order	
Project Number:	Ro	X 		1			Moles Moles	Notes
P.O. Number:	Rush:							
Sampler's Name: Tania Babu	Due Date:							
SAMPLE RECEIPT Temp Blank: (Fes.	Wet Ice: (Yes)	No						
Temperature (°C): $ Q/J/J/5 $	Thermometer 4						-	
Received Intact: Yes No		rtair						·
Seals: Yes No	Correction Factor - 0			00)	TO THE PARTY OF TH	ACTIVITIES AND ACTIVI		
Sample Custody Seals: Yes No Mix				s (E3			TAT starts the day recevied by the	cevied by the
Sample Identification Matrix Date	Time Sampled	Depth umbe	PH (801	hloride			Sample Company	y 4:30pm
E1 6/25/2020	1000	으 <u>.</u> 1	-	× (•	
E2 6/25/2020	1010	0-1'	\dashv	×				
E3 6/25/2020	1020	0-1'		×				
E4 6/25/2020	1030	0-1 1	×	×				
E5 6/25/2020	1040	0-1'		×				
W1 6/25/2020	1100	0-1'	×	×			x- iuii aiiaiysis	ilysis
W2 6/25/2020	1110	0-1'	×	×				
W3 6/25/2020	1120	0-1'	×	×				
W4 6/25/2020	1130	0-1'	×	×				
W5 6/25/2020	1140	0-1' 1	×	×				
Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed	8RCRA 13PPM Texas 11 AI	الم	Sh As Ba Be I	Be E	Cd Ca Cr Co Cu Fe P	Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U	g SiO2 Na Sr Tl Sn U √	V Zn
lotice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses	constitutes a valid purchas all not assume any respons	e order from client ibility for any losse	company to	Xenco, its aff	is affiliates and subcontractors. It assigns standard terms are due to circumstance have	are due to decumptance because	1031/243.1//4/0//4/7:	/4/1 : Hg
Relinquished by: (Signature) Received by: (Signature) Reference on the Relinquished by: (Signature) Received by: (Signatu	Recélved by: (Signature)		Date/Time	Dut liot alian	Polinguished by /0:-	ess previou		
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Revised Date 051418 Rev. 2018.1



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		or service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the cilent if such losses are due to circumstances beyond the control Relinquished by: (Signature)	Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag votice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Years to Security	Total 200 7 / 6040			S2	S1	N3	N2	2	W6		Sample Identification	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	Temperature (°C):	SAMPLE RECEIPT	Sampler's Name:	P.O. Number:	Project Number:	Project Name:	Phone:	ate ZIP:	Address:	Company Name:	Project Manager:	
		ble only for the cost of sa ge of \$75.00 will be applie 'Signature'	Circle Method(s) and Metal(s) to be analyzed Signature of this document and relinquishment of samples				SS	SS	SS	SS	SS	SS			Yes No	Yes No/	No No	Q + 1	IPT Temp Blank:	Tania Babu			Gold Coast 26 Federal SWD #1	(432) 238-3003	Midland, TX 79705	10 Desta Dr. STE 150	TRC	Jared Stoffel	ABORATORIES
		mples and shall not a d to each project and	analyzed TCL and samples constitutes				6/25/2020	6/25/2020	6/25/2020	6/25/2020	6/25/2020	6/25/2020	Sampled	Date	Tota		\	. (lank: Yes Mo				eral SWD #1			150 E			
	(Signature)	assume any respons a charge of \$5 for e	IRA 13PPM Texas 11 AI TCLP / SPLP 6010: 8RCRA tutes a valid purchase order from clien				1250	1240	1220	1210	1200	1150	۵		П	Cerrection Factor:			Wet Ice:	Due Date	Rush:	Routine	Tum	Email: Ike, Jared,	C	A	Ca	<u>B</u>	Chain of Custody Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334 Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296 Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta GA (770-440-8800) Target Fig. (2000)
		sibility for any losse ach sample submitt	Texas 11 AI S 6010: 8RCRA				0-1'	0-1'	0-1'	0-1'	0-1'	0-1'	Depth Nurr	Ш	L		1) Train		Yes) No	e.	L	<u>ষ</u> ়	Turn Around	<u>e, Jared, Tania,</u>	City, State ZIP:	Address:	Company Name:	Bill to: (if different)	C 281) 240-4200 Da (432-704-5440) Ei
1775	Date/Time	s or expenses incurred to Xenco, but not	Sb As Ba Be I					×	×	×	×	×	TPH BTE) Chlor	(80)21)	OD)								Grubbs			COG	lke Tavarez	Chain of Custody Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334 Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296 575-392-7550) Phoenix,AZ (480-355-0900) Atlanta GA (770-446-8800) Tomos Frigory
4 0	Relinquish	red by the client if so analyzed. These ter	Be B Cd Ca Cr (Be Cd Cr Co Co																										Custody 300 San Antonio, 5-3443 Lubbock, 1
÷	Relinquished by: (Signature)	contractors. It assig sch losses are due to ms will be enforced	r Co Cu Fe Pb Cu Pb Mn Mo I																			ANAL I SIS REQUES!						oo) ranipa,rt (o)	TX (210) 509-3334 X (806)794-1296
	e) Rec	ns standard terms a circumstances bey unless previously ne	Cu Fe Pb Mg Mn Mo Ni K Se Ag b Mn Mo Ni Se Ag Tl U																		i			Deliverables: EDD	Reporting I eve	State of Project:		3-620-2000)	
	Received by: (Signature)	ind conditions ond the control igotiated.	K Se Ag SiO2 16 3																						ااا المسما ااا ا	/PST∐PRP∐E	Work Or	www.xenco.com	Work Orde
	ature)		Na Sr 81 / 245					×		-			Samp	lab, if re	TAT starts t							Wor		ADapt		3rownfields R	Work Order Comments	com Page	er No:
	Date/Time		TI Sn U V Zn .1/7470 /7471∶Hg					x- run analysis					Sample Comments	lab, if received by 4:30pm	TAT starts the day recevied by the							Work Order Notes	Card.	Deliverables: EDD ADAPT Other.]	rrogram: UST/PST	3	C of	Work Order No: WUSOES
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Revised Date 051418 Rev. 2018.1

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: TRC Solutions, Inc

Acceptable Temperature Range: 0 - 6 degC

Date/ Time Received: 06.26.2020 11.03.00 AM Air and Metal samples Acceptable Range: Ambient

Work Order #: 665688 Temperature Measuring device used : IR-8

	Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?		2.3	
#2 *Shipping container in good condition?		Yes	
#3 *Samples received on ice?		Yes	
#4 *Custody Seals intact on shipping conta	iner/ cooler?	N/A	
#5 Custody Seals intact on sample bottles?		N/A	
#6*Custody Seals Signed and dated?		N/A	
#7 *Chain of Custody present?		Yes	
#8 Any missing/extra samples?		No	
#9 Chain of Custody signed when relinquis	hed/ received?	Yes	
#10 Chain of Custody agrees with sample I	abels/matrix?	Yes	
#11 Container label(s) legible and intact?		Yes	
#12 Samples in proper container/ bottle?		Yes	BTEX was in bulk container
#13 Samples properly preserved?		Yes	
#14 Sample container(s) intact?		Yes	
#15 Sufficient sample amount for indicated	test(s)?	Yes	
#16 All samples received within hold time?		Yes	
#17 Subcontract of sample(s)?		N/A	
#18 Water VOC samples have zero headsp	pace?	N/A	

^{*} Must be completed for after-hours delivery of samples prior to placing in the refrigerator

Analyst:		PH Device/Lot#:		
	Checklist completed by:	Bride Tol Brianna Teel	Date: 06.26.2020	
	Checklist reviewed by:	Jessica Warner Jessica Kramer	Date: 06.26.2020	



TRC Solutions, Inc, Midland, TX

Project Name: Gold Coast 26 Federal SWD #1

Project Id: Contact:

Project Location:

Jared Stoffel

Date Received in Lab: Fri 06.26.2020 11:03

Report Date: 07.15.2020 14:50

Project Manager: Jessica Kramer

	Lab Id:	665689-0	01	665689-00)2	665689-00)3	665689-0	04	665689-0	06	665689-00	07
Analysis Requested	Field Id:	SB-1 @ 0-	·1'	SB-1 @ 2-	3'	SB-1 @ 4-5		SB-1 @ 6-7	,,	SB-2 @ 0-1	.	SB-2 @ 2-3	3'
Anaiysis Kequesieu	Depth:	0-1 ft		2-3 ft		4-5 ft		6-7 ft		0-1 ft		2-3 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	06.23.2020	10:30	06.23.2020 1	.0:35	06.23.2020 1	0:40	06.23.2020	10:45	06.23.2020	12:00	06.23.2020	12:05
BTEX by EPA 8021B	Extracted:	06.30.2020	16:00							06.30.2020	16:00		
	Analyzed:	06.30.2020	21:42							06.30.2020	22:03		
	Units/RL:	mg/kg	RL							mg/kg	RL		
Benzene		< 0.00200	0.00200							< 0.00201	0.00201		
Toluene		< 0.00200	0.00200							< 0.00201	0.00201		
Ethylbenzene		< 0.00200	0.00200							< 0.00201	0.00201		
m,p-Xylenes		< 0.00401	0.00401							< 0.00402	0.00402		
o-Xylene		< 0.00200	0.00200							< 0.00201	0.00201		
Total Xylenes		< 0.002	0.002							< 0.00201	0.00201		
Total BTEX		< 0.002	0.002							< 0.00201	0.00201		
Chloride by EPA 300	Extracted:	06.30.2020	06.30.2020 11:00		1:00	06.30.2020 1	1:00	06.30.2020	11:00	06.30.2020	11:00	06.30.2020	11:00
	Analyzed:	06.30.2020	15:02	06.30.2020 1	5:18	06.30.2020 1	5:23	06.30.2020	15:38	06.30.2020	15:48	06.30.2020	15:43
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride	·	40.6	4.97	95.0	4.95	4880	24.8	272	5.03	345	5.00	969	5.00
TPH by SW8015 Mod	Extracted:	06.29.2020	09:00							06.29.2020	09:00		
	Analyzed:	06.29.2020	19:37							06.29.2020	20:34		
	Units/RL:	mg/kg	RL							mg/kg	RL		
Gasoline Range Hydrocarbons (GRO)	·	<49.9	49.9							<49.8	49.8		
Diesel Range Organics (DRO)		<49.9	49.9							<49.8	49.8		
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9							<49.8	49.8		
Total TPH		<49.9	49.9							<49.8	49.8		

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



TRC Solutions, Inc, Midland, TX

Project Name: Gold Coast 26 Federal SWD #1

Project Id: Contact:

Project Location:

Jared Stoffel

Date Received in Lab: Fri 06.26.2020 11:03

Report Date: 07.15.2020 14:50

Project Manager: Jessica Kramer

	Lab Id:	665689-0	08	665689-0	009	665689-01	11	665689-0	12	665689-01	.3	665689-0	14
Analysis Requested	Field Id:	SB-2 @ 4-	-5'	SB -2@ 6	5-7'	SB-3 @ 0-1		SB-3 @ 2-3	3'	SB-3 @ 4-5	,	SB-3 @ 6-7	7
Anaiysis Kequesieu	Depth:	4-5 ft		6-7 ft		0-1 ft		2-3 ft		4-5 ft		6-7 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	06.23.2020	12:10	06.23.2020	12:15	06.23.2020 1	1:40	06.23.2020	11:45	06.23.2020 1	1:50	06.23.2020	11:55
BTEX by EPA 8021B	Extracted:					06.30.2020 1	6:00						
	Analyzed:					06.30.2020 2	22:23						
	Units/RL:					mg/kg	RL						
Benzene							0.00199						
Toluene							0.00199						
Ethylbenzene							0.00199						
m,p-Xylenes							0.00398						
o-Xylene							0.00199						
Total Xylenes							0.00199						
Total BTEX						< 0.00199	0.00199						
Chloride by EPA 300	Extracted:	06.30.2020	11:00	06.30.2020	11:00	06.30.2020 1	1:00	06.30.2020	11:00	06.30.2020 1	1:35	07.07.2020	15:20
	Analyzed:	06.30.2020	15:53	06.30.2020	15:58	06.30.2020 1	6:03	06.30.2020	16:08	06.30.2020 1	6:39	07.07.2020	17:55
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		1040	5.00	95.7	5.05	23.8	4.98	36.5	5.00	800 X	4.96	436	25.2
TPH by SW8015 Mod	Extracted:					06.29.2020 0	9:00						
	Analyzed:					06.29.2020 2	20:53						
	Units/RL:					mg/kg	RL						
Gasoline Range Hydrocarbons (GRO)						< 50.0	50.0						
Diesel Range Organics (DRO)						< 50.0	50.0						
Motor Oil Range Hydrocarbons (MRO)						< 50.0	50.0						
Total TPH						< 50	50						

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Vramer



TRC Solutions, Inc, Midland, TX

Project Name: Gold Coast 26 Federal SWD #1

Project Id: Contact:

Jared Stoffel

Date Received in Lab: Fri 06.26.2020 11:03

Report Date: 07.15.2020 14:50

Project Manager: Jessica Kramer **Project Location:**

	Lab Id:	665689-0	16	665689-01	17	665689-01	18	665689-0	19	665689-0	21	665689-02	22
Analysis Requested	Field Id:	SB-4 @ 0-	-1'	SB-4 @ 2-	3'	SB-4 @ 4-5	.	SB-4 @ 6-7	7'	SB-5 @ 0-1	l'	SB-5 @ 2-3	;'
Anaiysis Kequesieu	Depth:	0-1 ft		2-3 ft		4-5 ft		6-7 ft		0-1 ft		2-3 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	06.23.2020	12:10	06.23.2020 1	2:15	06.23.2020 1	2:20	06.23.2020	12:25	06.23.2020	12:40	06.23.2020 1	12:45
BTEX by EPA 8021B	Extracted:	07.01.2020	17:15							07.01.2020	17:15		
	Analyzed:	07.02.2020	06:36							07.02.2020	06:56		
	Units/RL:	mg/kg	RL							mg/kg	RL		
Benzene		< 0.00199	0.00199							< 0.00201	0.00201		
Toluene		< 0.00199	0.00199							< 0.00201	0.00201		
Ethylbenzene		< 0.00199	0.00199							< 0.00201	0.00201		
m,p-Xylenes		< 0.00398	0.00398							< 0.00402	0.00402		
o-Xylene		< 0.00199	0.00199							< 0.00201	0.00201		
Total Xylenes		< 0.00199	0.00199							< 0.00201	0.00201		
Total BTEX		< 0.00199	0.00199							< 0.00201	0.00201		
Chloride by EPA 300	Extracted:	06.30.2020	06.30.2020 11:35		1:35	06.30.2020 1	1:35	06.30.2020	11:35	06.30.2020	11:35	06.30.2020 1	11:35
	Analyzed:	06.30.2020	16:54	06.30.2020 1	6:59	06.30.2020 1	7:09	06.30.2020	17:04	06.30.2020	17:24	06.30.2020 1	17:29
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		149	4.98	1200	25.1	2390	25.1	229	4.99	29.7	4.95	25.2	5.05
TPH by SW8015 Mod	Extracted:	06.29.2020	09:00							06.26.2020	16:30		
	Analyzed:	06.29.2020	21:12							06.27.2020	03:31		
	Units/RL:	mg/kg	RL							mg/kg	RL		
Gasoline Range Hydrocarbons (GRO)		< 50.0	50.0							<49.9	49.9		
Diesel Range Organics (DRO)		< 50.0	50.0							<49.9	49.9		
Motor Oil Range Hydrocarbons (MRO)		< 50.0	50.0							<49.9	49.9		
Total TPH		< 50	50							<49.9	49.9		

BRL - Below Reporting Limit

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TRC Solutions, Inc, Midland, TX

Project Name: Gold Coast 26 Federal SWD #1

Project Id: Contact:

Project Location:

Jared Stoffel

Date Received in Lab: Fri 06.26.2020 11:03

Report Date: 07.15.2020 14:50

Project Manager: Jessica Kramer

	Lab Id:	665689-02	23	665689-02	24	665689-02	25	665689-0	26	665689-0	27	665689-0)28
Analysis Requested	Field Id:	SB-5 @ 4-	-5'	SB-5 @ 6-	-7'	SB-5 @ 8-9)'	SB-5 @ 14-1	15'	SB-5 @ 19-2	20'	SB-6 @ 0-	1'
Analysis Requesieu	Depth:	4-5 ft		6-7 ft		8-9 ft		14-15 ft	t	19-20 ft	t	0-1 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	06.23.2020	12:50	06.23.2020	12:55	06.23.2020	13:00	06.23.2020	13:05	06.23.2020	13:10	06.23.2020	11:00
BTEX by EPA 8021B	Extracted:											07.01.2020	17:15
	Analyzed:											07.02.2020	07:17
	Units/RL:											mg/kg	RL
Benzene	·											< 0.00200	0.00200
Toluene												< 0.00200	0.00200
Ethylbenzene												< 0.00200	0.00200
m,p-Xylenes												< 0.00400	0.00400
o-Xylene												< 0.00200	0.00200
Total Xylenes												< 0.002	0.002
Total BTEX												< 0.002	0.002
Chloride by EPA 300	Extracted:	06.30.2020	11:35	06.30.2020	11:35	06.30.2020	11:35	07.07.2020	15:20	07.14.2020	10:00	06.30.2020	11:35
	Analyzed:	06.30.2020	17:34	06.30.2020	17:39	06.30.2020	17:44	07.07.2020	17:00	07.14.2020	10:29	06.30.2020	17:49
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		98.9	5.05	8940	49.7	1620	25.0	866	4.98	144	4.96	49.5	5.00
TPH by SW8015 Mod	Extracted:											06.26.2020	16:30
	Analyzed:											06.27.2020	03:52
	Units/RL:											mg/kg	RL
Gasoline Range Hydrocarbons (GRO)												< 50.0	50.0
Diesel Range Organics (DRO)				<u> </u>								< 50.0	50.0
Motor Oil Range Hydrocarbons (MRO)				· · ·								< 50.0	50.0
Total TPH												< 50	50

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Vramer



TRC Solutions, Inc, Midland, TX

Project Name: Gold Coast 26 Federal SWD #1

Project Id: Contact:

Jared Stoffel

Date Received in Lab: Fri 06.26.2020 11:03

Report Date: 07.15.2020 14:50

Project Manager: Jessica Kramer

Project Location: Project Ma

	Lab Id:	665689-0	29	665689-03	80	665689-03	31	665689-0	32	665689-03	33	665689-0)35
Analysis Requested	Field Id:	SB-6 @ 2-	.3'	SB-6 @ 4-	5'	SB-6 @ 6-7		SB-6 @ 8-9)'	SB-6 @ 14-1	5'	SB-7 @ 0-	1'
Anaiysis Requesieu	Depth:	2-3 ft		4-5 ft		6-7 ft		8-9 ft		14-15 ft		0-1 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	06.23.2020	11:05	06.23.2020 1	1:10	06.23.2020 1	1:15	06.23.2020	11:20	06.23.2020 1	1:25	06.23.2020	14:20
BTEX by EPA 8021B	Extracted:											07.01.2020	17:15
	Analyzed:											07.02.2020	07:37
	Units/RL:											mg/kg	RL
Benzene												< 0.00199	0.00199
Toluene												< 0.00199	0.00199
Ethylbenzene												< 0.00199	0.00199
m,p-Xylenes												< 0.00398	0.00398
o-Xylene												< 0.00199	0.00199
Total Xylenes												< 0.00199	0.00199
Total BTEX												< 0.00199	0.00199
Chloride by EPA 300	Extracted:	06.30.2020	11:35	06.30.2020 1	1:35	06.30.2020 1	1:35	06.30.2020	11:35	06.30.2020 1	1:50	06.30.2020	11:50
	Analyzed:	06.30.2020	18:04	06.30.2020 1	8:10	06.30.2020 1	8:25	06.30.2020	18:30	06.30.2020 1	9:26	06.30.2020	19:46
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		51.4	5.04	5660	49.9	1920	25.0	2260	25.1	187	4.95	96.6	4.99
TPH by SW8015 Mod	Extracted:											06.26.2020	16:30
	Analyzed:											06.27.2020	04:14
	Units/RL:											mg/kg	RL
Gasoline Range Hydrocarbons (GRO)	'											<49.9	49.9
Diesel Range Organics (DRO)												<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)												<49.9	49.9
Total TPH												<49.9	49.9

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessian Kramer



TRC Solutions, Inc. Midland, TX

Project Name: Gold Coast 26 Federal SWD #1

Project Id: Contact:

Jared Stoffel

Date Received in Lab: Fri 06.26.2020 11:03

Report Date: 07.15.2020 14:50

Project Manager: Jessica Kramer

Project Location:

Lab Id: 665689-036 665689-037 665689-038 665689-040 665689-041 665689-042 Field Id: SB-7 @ 2-3' SB-7 @ 4-5' SB-7 @ 6-7' SB-8 @ 0-1' SB-8 @ 2-3' SB-8@ 4-5' Analysis Requested Depth: 2-3 ft 4-5 ft 6-7 ft 0-1 ft 2-3 ft 4-5 ft Matrix: SOIL SOIL SOIL SOIL SOIL SOIL 06.23.2020 14:35 Sampled: 06.23.2020 14:25 06.23.2020 14:30 06.23.2020 13:55 06.23.2020 14:00 06.23.2020 13:50 BTEX by EPA 8021B Extracted: 07.01.2020 17:15 Analyzed: 07.02.2020 07:57 RLUnits/RL: mg/kg < 0.00198 0.00198 Benzene 0.00198 Toluene < 0.00198 < 0.00198 0.00198 Ethylbenzene < 0.00397 0.00397 m,p-Xylenes o-Xylene < 0.00198 0.00198 < 0.00198 0.00198 Total Xylenes Total BTEX < 0.00198 0.00198 Chloride by EPA 300 Extracted: 06.30.2020 11:50 06.30.2020 11:50 06.30.2020 11:50 06.30.2020 11:50 06.30.2020 11:50 06.30.2020 11:50 Analyzed: 06.30.2020 19:51 06.30.2020 19:56 06.30.2020 20:11 06.30.2020 20:16 06.30.2020 20:21 06.30.2020 20:26 Units/RL: RLmg/kg RLRLRLRL RL mg/kg mg/kg mg/kg mg/kg mg/kg Chloride 8680 50.0 475 5.03 86.1 4.96 85.0 5.00 5740 49.5 173 5.01 TPH by SW8015 Mod Extracted: 06.26.2020 16:30 Analyzed: 06.27.2020 04:35 Units/RL: mg/kg RLGasoline Range Hydrocarbons (GRO) <49.8 49.8 Diesel Range Organics (DRO) <49.8 49.8 Motor Oil Range Hydrocarbons (MRO) <49.8 49.8 Total TPH <49.8 49.8

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Jessica Vramer



TRC Solutions, Inc, Midland, TX

Project Name: Gold Coast 26 Federal SWD #1

Project Id: Contact:

Project Location:

Jared Stoffel

Date Received in Lab: Fri 06.26.2020 11:03

Report Date: 07.15.2020 14:50

Project Manager: Jessica Kramer

1 Toject Location.							oject M	anager.					
	Lab Id:	665689-0	143	665689-04	15	665689-04	16	665689-0	47	665689-04	48	665689-0)50
Analysis Requested	Field Id:	SB-8 @ 6	SB-8 @ 6-7'		SB-9 @ 0-1'		SB-9 @ 2-3'		SB-9 @ 4-5'		SB-9 @ 6-7'		-1'
Anaiysis Kequesieu	Depth:	6-7 ft		0-1 ft		2-3 ft		4-5 ft		6-7 ft		0-1 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	06.23.2020	14:05	06.23.2020 1	3:20	06.23.2020 1	3:25	06.23.2020	13:30	06.23.2020	13:35	06.24.2020	09:00
BTEX by EPA 8021B	Extracted:			07.01.2020 1	7:15							07.01.2020	17:15
	Analyzed:			07.02.2020 0	8:17							07.02.2020	08:38
	Units/RL:			mg/kg	RL							mg/kg	RL
Benzene				< 0.00198	0.00198							< 0.00200	0.00200
Toluene				< 0.00198	0.00198							< 0.00200	0.00200
Ethylbenzene				< 0.00198	0.00198							< 0.00200	0.00200
m,p-Xylenes				< 0.00397	0.00397							< 0.00399	0.00399
o-Xylene				< 0.00198	0.00198							< 0.00200	0.00200
Total Xylenes				< 0.00198	0.00198							< 0.002	0.002
Total BTEX				< 0.00198	0.00198							< 0.002	0.002
Chloride by EPA 300	Extracted:	06.30.2020 11:50		06.30.2020 11:50		07.02.2020 1	3:45	06.30.2020	11:50	06.30.2020	11:50	06.30.2020 11:50	
	Analyzed:	06.30.2020	20:31	06.30.2020 2	20:36	07.02.2020 1	7:29	06.30.2020	20:51	06.30.2020 2	20:57	06.30.2020	21:12
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride	,	29.9	4.95	41.6	4.99	95.6	5.04	8660	50.3	216	4.96	89.9	4.99
TPH by SW8015 Mod	Extracted:			06.26.2020 1	7:00							06.26.2020	17:00
	Analyzed:			06.27.2020 0	1:26							06.27.2020	01:45
	Units/RL:			mg/kg	RL							mg/kg	RL
Gasoline Range Hydrocarbons (GRO)				<50.0	50.0							<49.9	49.9
Diesel Range Organics (DRO)				<50.0	50.0							<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)				<50.0	50.0							<49.9	49.9
Total TPH				<50	50							<49.9	49.9

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TRC Solutions, Inc, Midland, TX

Project Name: Gold Coast 26 Federal SWD #1

Project Id: Contact:

Project Location:

Jared Stoffel

Date Received in Lab: Fri 06.26.2020 11:03

Report Date: 07.15.2020 14:50

Project Manager: Jessica Kramer

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	Lab Id:	665689-0	51	665689-0	52	665689-0	53	665689-0	054	665689-0	55	665689-0	56
Analysis Requested	Field Id:	SB-10 @ 2	2-3'	SB-10 @ 4	-5'	SB-10 @ 6-	7'	SB-11 @ 0	-1'	SB-11 @ 2-	3'	SB-11 @ 4-	5'
Analysis Requested	Depth:	2-3 ft		4-5 ft		6-7 ft		0-1 ft		2-3 ft		4-5 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL	,	SOIL		SOIL	
	Sampled:	06.24.2020	09:05	06.24.2020 (09:10	06.24.2020	09:15	06.24.2020	09:25	06.24.2020 (09:30	06.24.2020	09:35
BTEX by EPA 8021B	Extracted:							07.01.2020	17:15				
	Analyzed:							07.02.2020	08:58				
	Units/RL:							mg/kg	RL				
Benzene								< 0.00200	0.00200				
Toluene								< 0.00200	0.00200				
Ethylbenzene								< 0.00200	0.00200				
m,p-Xylenes								< 0.00401	0.00401				
o-Xylene								< 0.00200	0.00200				
Total Xylenes								< 0.002	0.002				
Total BTEX								< 0.002	0.002				
Chloride by EPA 300	Extracted:	06.30.2020	11:50	06.30.2020	11:50	07.07.2020	15:20	06.30.2020	11:35	06.30.2020	11:35	06.30.2020	11:35
	Analyzed:	06.30.2020	21:17	06.30.2020	21:22	07.07.2020	18:00	06.30.2020	18:35	06.30.2020	18:40	06.30.2020	18:45
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		48.2	5.05	653	5.05	324	4.98	1530	24.8	2480	24.8	5030	50.3
TPH by SW8015 Mod	Extracted:							06.26.2020	17:00				
	Analyzed:							06.27.2020	12:49				
	Units/RL:							mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)	·							<49.8	49.8				
Diesel Range Organics (DRO)								<49.8	49.8				
Motor Oil Range Hydrocarbons (MRO)								<49.8	49.8				
Total TPH								<49.8	49.8				

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TRC Solutions, Inc, Midland, TX

Project Name: Gold Coast 26 Federal SWD #1

Project Id: Contact:

Jared Stoffel

Date Received in Lab: Fri 06.26.2020 11:03

Report Date: 07.15.2020 14:50

Project Manager: Jessica Kramer

Project Location:

	Lab Id:	665689-0	57	665689-0	59	665689-0	60	665689-0	61	665689-0	63	665689-0	54
Analysis Requested	Field Id:	SB-11 @ 6	5-7'	SB-12 @ 0)-1'	SB-12@ 2-3	SB-12@ 2-3'		5'	SB-13 @ 0-1'		SB-13 @ 2-3'	
Anaiysis Requesiea	Depth:	6-7 ft	6-7 ft		0-1 ft		2-3 ft			0-1 ft		2-3 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	06.24.2020	09:40	06.24.2020 10:00		06.24.2020	10:05	06.24.2020	10:10	06.24.2020	10:25	06.24.2020 10:30	
BTEX by EPA 8021B	Extracted:			07.01.2020 17:15						07.01.2020	17:15		
	Analyzed:			07.02.2020 09:18						07.02.2020	09:39		
	Units/RL:			mg/kg	RL					mg/kg	RL		
Benzene				< 0.00202	0.00202					< 0.00200	0.00200		
Toluene				< 0.00202	0.00202					< 0.00200	0.00200		
Ethylbenzene				< 0.00202	0.00202					< 0.00200	0.00200		
m,p-Xylenes				< 0.00403	0.00403					< 0.00401	0.00401		
o-Xylene				< 0.00202	0.00202					< 0.00200	0.00200		
Total Xylenes				< 0.00202	0.00202					< 0.002	0.002		
Total BTEX				< 0.00202	0.00202					< 0.002	0.002		
Chloride by EPA 300	Extracted:	06.30.2020	11:35	06.30.2020	11:35	06.30.2020	11:50	06.30.2020	11:50	06.30.2020	11:50	06.30.2020	11:50
	Analyzed:	06.30.2020	18:50	06.30.2020	18:55	06.30.2020	21:27	06.30.2020	21:32	06.30.2020	21:37	06.30.2020 2	21:42
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		289	4.96	37.9	4.99	24.0	4.98	187	5.00	16.8	5.00	22.1	5.00
TPH by SW8015 Mod	Extracted:			06.26.2020	17:00					06.26.2020	17:00		
Analyzed:				06.27.2020	02:22					06.27.2020	02:41		
	Units/RL:			mg/kg	RL					mg/kg	RL		
Gasoline Range Hydrocarbons (GRO)				<50.0	50.0					<49.9	49.9		
Diesel Range Organics (DRO)				<50.0	50.0					<49.9	49.9		
Motor Oil Range Hydrocarbons (MRO)				<50.0	50.0					<49.9	49.9		
Total TPH				<50	50					<49.9	49.9		

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TRC Solutions, Inc, Midland, TX

Project Name: Gold Coast 26 Federal SWD #1

Project Id: Contact:

Project Location:

Jared Stoffel

Date Received in Lab: Fri 06.26.2020 11:03

Report Date: 07.15.2020 14:50

Project Manager: Jessica Kramer

	Lab Id:	665689-0	65	665689-0	67	665689-0	68	665689-0	69	665689-0	70	665689-0	71
Analysis Requested	Field Id:	SB-13 @ 4	- -5'	SB-14 @ 0)-1'	SB-14 @ 2-3	3'	SB-14 @ 4-	5'	SB-14 @ 6-	7'	SB-14 @ 8-9	9'
Anatysis Requestea	Depth:	4-5 ft		0-1 ft		2-3 ft		4-5 ft		6-7 ft		8-9 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	06.24.2020	10:35	06.24.2020	10:50	06.24.2020	10:55	06.24.2020	11:00	06.24.2020	11:05	06.24.2020	11:10
BTEX by EPA 8021B	Extracted:			07.02.2020 (08:45								
	Analyzed:			07.02.2020	17:49								
	Units/RL:			mg/kg	RL								
Benzene				< 0.00202	0.00202								
Toluene				< 0.00202	0.00202								
Ethylbenzene				< 0.00202	0.00202								
m,p-Xylenes					0.00404								
o-Xylene					0.00202								
Total Xylenes					0.00202								
Total BTEX				< 0.00202	0.00202								
Chloride by EPA 300	Extracted:	06.30.2020	15:20	06.30.2020	15:20	06.30.2020	15:20	06.30.2020	15:20	06.30.2020	15:20	07.07.2020	15:20
	Analyzed:	06.30.2020	17:17	06.30.2020	17:37	06.30.2020	17:44	06.30.2020	17:51	06.30.2020	17:57	07.07.2020	18:06
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		153	5.02	19.3	4.96	6.11	5.00	47.2	4.95	651	4.95	1600	25.0
TPH by SW8015 Mod	Extracted:			06.26.2020	17:00								
	Analyzed:			06.27.2020	03:00								
	Units/RL:			mg/kg	RL								
Gasoline Range Hydrocarbons (GRO)				<49.9	49.9								
Diesel Range Organics (DRO)				<49.9	49.9								
Motor Oil Range Hydrocarbons (MRO)				<49.9	49.9								
Total TPH				<49.9	49.9								·

BRL - Below Reporting Limit

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TRC Solutions, Inc, Midland, TX

Project Name: Gold Coast 26 Federal SWD #1

Project Id: Contact:

Jared Stoffel

Date Received in Lab: Fri 06.26.2020 11:03

Report Date: 07.15.2020 14:50

Project Manager: Jessica Kramer

Project Location:

	Lab Id:	665689-0	72	665689-07	74	665689-0	75	665689-0	76	665689-07	77	
Analysis Requested	Field Id:	SB-14 @ 14	-15'	SB-Road @	0-1'	SB-Road @ 2	-3'	SB-Road @ 4	-5'	SB-Road @ 6	-7'	
	Depth:	14-15 ft	:	0-1 ft		2-3 ft		4-5 ft		6-7 ft		
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		
	Sampled:	06.24.2020	11:15	06.24.2020 1	11:30	06.24.2020	11:35	06.24.2020	11:40	06.24.2020 1	1:45	
BTEX by EPA 8021B	Extracted:				07.02.2020 08:45							
	Analyzed:			07.02.2020 18:10								
	Units/RL:			mg/kg	RL							
Benzene				< 0.00201	0.00201							
Toluene					0.00201							
Ethylbenzene					0.00201							
m,p-Xylenes					0.00402							
o-Xylene					0.00201							
Total Xylenes					0.00201							
Total BTEX				< 0.00201	0.00201							
Chloride by EPA 300	Extracted:	07.13.2020	10:30	06.30.2020 1	15:20	06.30.2020	15:20	06.30.2020	15:20	06.30.2020 1	5:20	
	Analyzed:	07.13.2020	14:40	06.30.2020 1	18:17	06.30.2020	18:24	06.30.2020	18:30	06.30.2020 1	8:37	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	
Chloride		196	4.96	10000	101	4190	49.9	1260	5.01	162	4.96	
TPH by SW8015 Mod	Extracted:			06.26.2020 1	17:00							
	Analyzed:			06.27.2020 ()3:19							
	Units/RL:			mg/kg	RL							
Gasoline Range Hydrocarbons (GRO)				<49.8	49.8							
Diesel Range Organics (DRO)				<49.8	49.8							
Motor Oil Range Hydrocarbons (MRO)				<49.8	49.8							
Total TPH				<49.8	49.8							

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Analytical Report 665689

for

TRC Solutions, Inc

Project Manager: Jared Stoffel

Gold Coast 26 Federal SWD #1

07.15.2020

Collected By: Client



1211 W. Florida Ave Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122): Texas (T104704215-20-36), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054) Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

> Xenco-Dallas (EPA Lab Code: TX01468): Texas (T104704295-20-25), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-17)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-22)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-7)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)



07.15.2020

Project Manager: Jared Stoffel

TRC Solutions, Inc 2057 Commerce Midland, TX 79703

Reference: Eurofins Xenco, LLC Report No(s): 665689

Gold Coast 26 Federal SWD #1

Project Address:

Jared Stoffel:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 665689. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 665689 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Sample Cross Reference 665689

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SB-1 @ 0-1'	S	06.23.2020 10:30	0 - 1 ft	665689-001
SB-1 @ 2-3'	S	06.23.2020 10:35	2 - 3 ft	665689-002
SB-1 @ 4-5'	S	06.23.2020 10:40	4 - 5 ft	665689-003
SB-1 @ 6-7'	S	06.23.2020 10:45	6 - 7 ft	665689-004
SB-2 @ 0-1'	S	06.23.2020 12:00	0 - 1 ft	665689-006
SB-2 @ 2-3'	S	06.23.2020 12:05	2 - 3 ft	665689-007
SB-2 @ 4-5'	S	06.23.2020 12:10	4 - 5 ft	665689-008
SB -2@ 6-7'	S	06.23.2020 12:15	6 - 7 ft	665689-009
SB-3 @ 0-1'	S	06.23.2020 11:40	0 - 1 ft	665689-011
SB-3 @ 2-3'	S	06.23.2020 11:45	2 - 3 ft	665689-012
SB-3 @ 4-5'	S	06.23.2020 11:50	4 - 5 ft	665689-013
SB-3 @ 6-7	S	06.23.2020 11:55	6 - 7 ft	665689-014
SB-4 @ 0-1'	S	06.23.2020 12:10	0 - 1 ft	665689-016
SB-4 @ 2-3'	S	06.23.2020 12:15	2 - 3 ft	665689-017
SB-4 @ 4-5'	S	06.23.2020 12:20	4 - 5 ft	665689-018
SB-4 @ 6-7'	S	06.23.2020 12:25	6 - 7 ft	665689-019
SB-5 @ 0-1'	S	06.23.2020 12:40	0 - 1 ft	665689-021
SB-5 @ 2-3'	S	06.23.2020 12:45	2 - 3 ft	665689-022
SB-5 @ 4-5'	S	06.23.2020 12:50	4 - 5 ft	665689-023
SB-5 @ 6-7'	S	06.23.2020 12:55	6 - 7 ft	665689-024
SB-5 @ 8-9'	S	06.23.2020 13:00	8 - 9 ft	665689-025
SB-5 @ 14-15'	S	06.23.2020 13:05	14 - 15 ft	665689-026
SB-5 @ 19-20'	S	06.23.2020 13:10	19 - 20 ft	665689-027
SB-6 @ 0-1'	S	06.23.2020 11:00	0 - 1 ft	665689-028
SB-6 @ 2-3'	S	06.23.2020 11:05	2 - 3 ft	665689-029
SB-6 @ 4-5'	S	06.23.2020 11:10	4 - 5 ft	665689-030
SB-6 @ 6-7'	S	06.23.2020 11:15	6 - 7 ft	665689-031
SB-6 @ 8-9'	S	06.23.2020 11:20	8 - 9 ft	665689-032
SB-6 @ 14-15'	S	06.23.2020 11:25	14 - 15 ft	665689-033
SB-7 @ 0-1'	S	06.23.2020 14:20	0 - 1 ft	665689-035
SB-7 @ 2-3'	S	06.23.2020 14:25	2 - 3 ft	665689-036
SB-7 @ 4-5'	S	06.23.2020 14:30	4 - 5 ft	665689-037
SB-7 @ 6-7'	S	06.23.2020 14:35	6 - 7 ft	665689-038
SB-8 @ 0-1'	S	06.23.2020 13:50	0 - 1 ft	665689-040
SB-8 @ 2-3'	S	06.23.2020 13:55	2 - 3 ft	665689-041
SB-8@ 4-5'	S	06.23.2020 14:00	4 - 5 ft	665689-042
SB-8 @ 6-7'	S	06.23.2020 14:05	6 - 7 ft	665689-043
SB-9 @ 0-1'	S	06.23.2020 13:20	0 - 1 ft	665689-045
SB-9 @ 2-3'	S	06.23.2020 13:25	2 - 3 ft	665689-046
SB-9 @ 4-5'	S	06.23.2020 13:30	4 - 5 ft	665689-047
SB-9 @ 6-7'	S	06.23.2020 13:35	6 - 7 ft	665689-048
SB-10 @ 0-1'	S	06.24.2020 09:00	0 - 1 ft	665689-050
SB-10 @ 2-3'	S	06.24.2020 09:05	2 - 3 ft	665689-051

Sample Cross Reference 665689

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

SB-10 @ 4-5'	S	06.24.2020 09:10	4 - 5 ft	665689-052
SB-10 @ 6-7'	S	06.24.2020 09:15	6 - 7 ft	665689-053
SB-11 @ 0-1'	S	06.24.2020 09:25	0 - 1 ft	665689-054
SB-11 @ 2-3'	S	06.24.2020 09:30	2 - 3 ft	665689-055
SB-11 @ 4-5'	S	06.24.2020 09:35	4 - 5 ft	665689-056
SB-11 @ 6-7'	S	06.24.2020 09:40	6 - 7 ft	665689-057
SB-12 @ 0-1'	S	06.24.2020 10:00	0 - 1 ft	665689-059
SB-12@ 2-3'	S	06.24.2020 10:05	2 - 3 ft	665689-060
SB-12 @ 4-5'	S	06.24.2020 10:10	4 - 5 ft	665689-061
SB-13 @ 0-1'	S	06.24.2020 10:25	0 - 1 ft	665689-063
SB-13 @ 2-3'	S	06.24.2020 10:30	2 - 3 ft	665689-064
SB-13 @ 4-5'	S	06.24.2020 10:35	4 - 5 ft	665689-065
SB-14 @ 0-1'	S	06.24.2020 10:50	0 - 1 ft	665689-067
SB-14 @ 2-3'	S	06.24.2020 10:55	2 - 3 ft	665689-068
SB-14 @ 4-5'	S	06.24.2020 11:00	4 - 5 ft	665689-069
SB-14 @ 6-7'	S	06.24.2020 11:05	6 - 7 ft	665689-070
SB-14 @ 8-9'	S	06.24.2020 11:10	8 - 9 ft	665689-071
SB-14 @ 14-15'	S	06.24.2020 11:15	14 - 15 ft	665689-072
SB-Road @ 0-1'	S	06.24.2020 11:30	0 - 1 ft	665689-074
SB-Road @ 2-3'	S	06.24.2020 11:35	2 - 3 ft	665689-075
SB-Road @ 4-5'	S	06.24.2020 11:40	4 - 5 ft	665689-076
SB-Road @ 6-7'	S	06.24.2020 11:45	6 - 7 ft	665689-077
SB-1 @ 8-9'	S	06.23.2020 10:50	8 - 9 ft	Not Analyzed
SB-2 @ 8-9'	S	06.23.2020 12:20	8 - 9 ft	Not Analyzed
SB-3 @ 8-9	S	06.23.2020 12:00	8 - 9 ft	Not Analyzed
SB-4 @ 8-9'	S	06.23.2020 12:30	8 - 9 ft	Not Analyzed
SB-6 @ 19-20	S	06.23.2020 11:30	19 - 20 ft	Not Analyzed
SB-7 @8-9'	S	06.23.2020 14:40	8 - 9 ft	Not Analyzed
SB-8 @ 8-9'	S	06.23.2020 14:10	8 - 9 ft	Not Analyzed
SB-9 @ 8-9'	S	06.23.2020 13:40	8 - 9 ft	Not Analyzed
SB-11 @ 8-9'	S	06.24.2020 09:45	8 - 9 ft	Not Analyzed
SB-12 @ 6-7'	S	06.24.2020 10:15	6 - 7 ft	Not Analyzed
SB-13 @ 6-7'	S	06.24.2020 10:40	6 - 7 ft	Not Analyzed
SB-14 @ 19-20'	S	06.24.2020 11:20	19 - 20 ft	Not Analyzed
SB-Road1 @ 8-9'	S	06.24.2020 11:50	8 - 9 ft	Not Analyzed

Xenco

CASE NARRATIVE

Client Name: TRC Solutions, Inc

Project Name: Gold Coast 26 Federal SWD #1

Project ID: Report Date: 07.15.2020 Work Order Number(s): 665689 Date Received: 06.26.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3130434 Chloride by EPA 300

Lab Sample ID 665689-028 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 665689-013, -016, -017, -018, -019, -021, -022, -023, -024, -025, -028, -029, -030, -031, -032, -054, -055, -056, -057, -059.

The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.

Batch: LBA-3130664 BTEX by EPA 8021B

Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected.

Samples affected are: 665689-063.

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-1 @ 0-1' Matrix: Soil Date Received:06.26.2020 11:03

Lab Sample Id: 665689-001

Date Collected: 06.23.2020 10:30

Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P % Moisture:

Tech: CHE

Analyst:

Tech: Analyst: CHE

Seq Number: 3130390

Date Prep: 06.30.2020 11:00 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	40.6	4.97	mg/kg	06.30.2020 15:02		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

ARM ARM

Date Prep:

06.29.2020 09:00

% Moisture: Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9		mg/kg	06.29.2020 19:37	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9		mg/kg	06.29.2020 19:37	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9		mg/kg	06.29.2020 19:37	U	1
Total TPH	PHC635	<49.9	49.9		mg/kg	06.29.2020 19:37	U	1
Surrogate	C	as Number	% Recovery	Units	Limits	Analysis Date	Flag	



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-1 @ 0-1' Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-001 Date Collected: 06.23.2020 10:30

Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 06.30.2020 16:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	06.30.2020 21:42	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	06.30.2020 21:42	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	06.30.2020 21:42	U	1
m,p-Xylenes	179601-23-1	< 0.00401	0.00401		mg/kg	06.30.2020 21:42	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	06.30.2020 21:42	U	1
Total Xylenes	1330-20-7	< 0.002	0.002		mg/kg	06.30.2020 21:42	U	1
Total BTEX		< 0.002	0.002		mg/kg	06.30.2020 21:42	U	1
Surrogate	Ca	as Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	06.30.2020 21:42	
4-Bromofluorobenzene	460-00-4	109	%	70-130	06.30.2020 21:42	



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-1 @ 2-3'

Analytical Method: Chloride by EPA 300

CHE

Matrix: Soil Date Received:06.26.2020 11:03

Date Collected: 06.23.2020 10:35 Sample Depth: 2 - 3 ft

Prep Method: E300P

% Moisture:

CHE Analyst:

Tech:

Lab Sample Id: 665689-002

Date Prep: 06.30.2020 11:00 Seq Number: 3130390

Wet Weight Basis:

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	95.0	4.95	mg/kg	06.30.2020 15:18		1



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-1 @ 4-5' Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-003 Date Collected: 06.23.2020 10:40 Sample Depth: 4 - 5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE % Moisture:

CHE Analyst:

Date Prep: 06.30.2020 11:00 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	4880	24.8	mg/kg	06.30.2020 15:23		5



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: **SB-1** @ **6-7**'

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-004

Date Collected: 06.23.2020 10:45

Sample Depth: 6 - 7 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: Analyst: CHE CHE

Date Prep: 06.30.2020 11:00

% Moisture: Basis:

Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	272	5.03	mg/kg	06.30.2020 15:38		1



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: **SB-2** @ **0-1**'

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-006

Date Collected: 06.23.2020 12:00

Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 06.30.2020 11:00

Basis:

Wet Weight

Seq Number: 3130390

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	345	5.00	mo/ko	06 30 2020 15:48		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

Tech:
Analyst:

ARM ARM

Date Prep: 06.29.2020 09:00

Basis:

Wet Weight

Parameter	Cas Numbe	r Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	3 49.8		mg/kg	06.29.2020 20:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	3 49.8		mg/kg	06.29.2020 20:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	3 49.8		mg/kg	06.29.2020 20:34	U	1
Total TPH	PHC635	<49.8	3 49.8		mg/kg	06.29.2020 20:34	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	99	%	70-130	06.29.2020 20:34		
o-Terphenyl		84-15-1	100	%	70-130	06.29.2020 20:34		

Wet Weight

Basis:



AMF

Certificate of Analytical Results 665689

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

06.30.2020 16:00

Sample Id: SB-2 @ 0-1' Matrix: Soil Date Received:06.26.2020 11:03

Lab Sample Id: 665689-006 Date Collected: 06.23.2020 12:00 Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Date Prep:

Tech: AMF % Moisture:

Analyst: Seq Number: 3130459

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00201	0.00201	mg/kg	06.30.2020 22:03	U	1
Toluene	108-88-3	< 0.00201	0.00201	mg/kg	06.30.2020 22:03	U	1
Ethylbenzene	100-41-4	< 0.00201	0.00201	mg/kg	06.30.2020 22:03	U	1
m,p-Xylenes	179601-23-1	< 0.00402	0.00402	mg/kg	06.30.2020 22:03	U	1
o-Xylene	95-47-6	< 0.00201	0.00201	mg/kg	06.30.2020 22:03	U	1
Total Xylenes	1330-20-7	< 0.00201	0.00201	mg/kg	06.30.2020 22:03	U	1
Total BTEX		< 0.00201	0.00201	mg/kg	06.30.2020 22:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	06.30.2020 22:03	
4-Bromofluorobenzene	460-00-4	94	%	70-130	06.30.2020 22:03	



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: **SB-2** @ **2-3**'

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-007

Date Collected: 06.23.2020 12:05

Sample Depth: 2 - 3 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 06.30.2020 11:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	969	5.00	mg/kg	06.30.2020 15:43		1



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-2 @ 4-5' Matrix: Soil

Date Received:06.26.2020 11:03

Date Collected: 06.23.2020 12:10 Sample Depth: 4 - 5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

% Moisture:

CHE Analyst: Wet Weight Date Prep: 06.30.2020 11:00 Basis:

Seq Number: 3130390

Tech:

Lab Sample Id: 665689-008

CHE

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1040	5.00	mo/ko	06 30 2020 15:53		1



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: **SB -2**@ **6-7**'

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-009

Date Collected: 06.23.2020 12:15

06.30.2020 11:00

Sample Depth: 6 - 7 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst:

CHE Date Prep:

Basis:

% Moisture:

Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	95.7	5.05	mg/kg	06.30.2020 15:58		1



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: **SB-3** @ **0-1**'

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-011

Date Collected: 06.23.2020 11:40

Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CI

Analyst:

CHE CHE

Date Prep: 06.30.2020 11:00

% Moisture: Basis:

Wet Weight

Seq Number: 3130390

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	23.8	4.98	mg/kg	06.30.2020 16:03		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

Tech:

Analyst:

ARM ARM

Date Prep: 06.29.2020 09:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	< 50.0	50.0		mg/kg	06.29.2020 20:53	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.0	50.0		mg/kg	06.29.2020 20:53	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.0	50.0		mg/kg	06.29.2020 20:53	U	1
Total TPH	PHC635	<50	50		mg/kg	06.29.2020 20:53	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date
1-Chlorooctane	111-85-3	103	%	70-130	06.29.2020 20:53
o-Terphenyl	84-15-1	103	%	70-130	06.29.2020 20:53

Wet Weight



Certificate of Analytical Results 665689

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-3 @ 0-1' Matrix: Soil Date Received:06.26.2020 11:03

Lab Sample Id: 665689-011 Date Collected: 06.23.2020 11:40 Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: AMF % Moisture:

Analyst: AMF Date Prep: 06.30.2020 16:00 Basis:

Parameter	Cas Number	r Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00199	0.00199		mg/kg	06.30.2020 22:23	U	1
Toluene	108-88-3	< 0.00199	0.00199		mg/kg	06.30.2020 22:23	U	1
Ethylbenzene	100-41-4	< 0.00199	0.00199		mg/kg	06.30.2020 22:23	U	1
m,p-Xylenes	179601-23-1	< 0.00398	0.00398		mg/kg	06.30.2020 22:23	U	1
o-Xylene	95-47-6	< 0.00199	0.00199		mg/kg	06.30.2020 22:23	U	1
Total Xylenes	1330-20-7	< 0.00199	0.00199		mg/kg	06.30.2020 22:23	U	1
Total BTEX		< 0.00199	0.00199		mg/kg	06.30.2020 22:23	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	115	%	70-130	06.30.2020 22:23		
4-Bromofluorobenzene		460-00-4	96	%	70-130	06.30.2020 22:23		

1



Certificate of Analytical Results 665689

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

06.30.2020 11:00

Sample Id: SB-3 @ 2-3' Matrix: Soil

16887-00-6

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-012 Date Collected: 06.23.2020 11:45

Sample Depth: 2 - 3 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

% Moisture:

Tech: CHE

Analyst:

Chloride

CHE Date Prep: Basis: Wet Weight

06.30.2020 16:08

mg/kg

Seq Number: 3130390

Parameter Cas Number Result RLUnits **Analysis Date** Flag Dil

5.00

36.5



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-3 @ 4-5' Matrix: Soil Date Received:06.26.2020 11:03

Lab Sample Id: 665689-013 Date Collected: 06.23.2020 11:50 Sample Depth: 4 - 5 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 06.30.2020 11:35 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	800	4.96	mg/kg	06.30.2020 16:39	X	1



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-3 @ 6-7 Matrix: Soil

Date Received:06.26.2020 11:03

Date Collected: 06.23.2020 11:55

Sample Depth: 6 - 7 ft

Prep Method: E300P

% Moisture:

CHE Analyst: Date Prep: 07.07.2020 15:20

Basis: Wet Weight

Seq Number: 3130983

Tech:

Lab Sample Id: 665689-014

Analytical Method: Chloride by EPA 300

CHE

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	436	25.2	mg/kg	07.07.2020 17:55		5



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: **SB-4** @ **0-1**'

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-016

Date Collected: 06.23.2020 12:10

Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech:

CHE

70

% Moisture:

Analyst:

CHE

Date Prep: 06.30.2020 11:35

Basis:

Wet Weight

Seq Number: 3130434

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	149	4.98	mg/kg	06.30.2020 16:54		1

Analytical Method: TPH by SW8015 Mod

ARM

Prep Method: SW8015P

% Moisture:

Analyst: ARM

Tech:

Date Prep: 06.29.2020 09:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	< 50.0	50.0		mg/kg	06.29.2020 21:12	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.0	50.0		mg/kg	06.29.2020 21:12	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.0	50.0		mg/kg	06.29.2020 21:12	U	1
Total TPH	PHC635	<50	50		mg/kg	06.29.2020 21:12	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date
1-Chlorooctane	111-85-3	99	%	70-130	06.29.2020 21:12
o-Terphenyl	84-15-1	102	%	70-130	06.29.2020 21:12



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-4 @ 0-1' Matrix: Soil Date Received:06.26.2020 11:03

Lab Sample Id: 665689-016 Date Collected: 06.23.2020 12:10 Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Tech: KTL % Moisture:

460-00-4

Analyst: KTL Date Prep: 07.01.2020 17:15 Basis: Wet Weight

Seq Number: 3130664

4-Bromofluorobenzene

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00199	0.00199		mg/kg	07.02.2020 06:36	U	1
Toluene	108-88-3	< 0.00199	0.00199		mg/kg	07.02.2020 06:36	U	1
Ethylbenzene	100-41-4	< 0.00199	0.00199		mg/kg	07.02.2020 06:36	U	1
m,p-Xylenes	179601-23-1	< 0.00398	0.00398		mg/kg	07.02.2020 06:36	U	1
o-Xylene	95-47-6	< 0.00199	0.00199		mg/kg	07.02.2020 06:36	U	1
Total Xylenes	1330-20-7	< 0.00199	0.00199		mg/kg	07.02.2020 06:36	U	1
Total BTEX		< 0.00199	0.00199		mg/kg	07.02.2020 06:36	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	87	%	70-130	07.02.2020 06:36		

111

%

70-130

07.02.2020 06:36



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-4 @ 2-3' Matrix:

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-017

Soil Date Collected: 06.23.2020 12:15

Sample Depth: 2 - 3 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech:

CHE

% Moisture:

CHE Analyst:

Seq Number: 3130434

Date Prep:

06.30.2020 11:35

Basis:

Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil	
Chloride	16887-00-6	1200	25.1	mg/kg	06.30.2020 16:59		5	



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-4 @ 4-5' Matrix: Soil Date Received:06.26.2020 11:03

Lab Sample Id: 665689-018 Date Collected: 06.23.2020 12:20 Sample Depth: 4 - 5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

CHE Analyst:

Date Prep: 06.30.2020 11:35 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2390	25.1	mg/kg	06.30.2020 17:09		



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-4 @ 6-7' Matrix:

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-019

Soil Date Collected: 06.23.2020 12:25

Sample Depth: 6 - 7 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

CHE Analyst: Seq Number: 3130434

Date Prep: 06.30.2020 11:35 Basis:

Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	229	4.99	mg/kg	06.30.2020 17:04		1



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: **SB-5** @ **0-1**'

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-021

Date Collected: 06.23.2020 12:40

06.30.2020 11:35

Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Date Prep:

29.7

Result

16887-00-6

% Moisture:

ure:

Basis:

Wet Weight

Analyst: CHE Seq Number: 3130434

Parameter Cas Number

RL

4.95

Units A

mg/kg

Analysis Date Flag

g Dil

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

06.30.2020 17:24

% Moisture:

Tech: Analyst:

Chloride

DVM ARM

Date Prep: 06.26.2020 16:30

Basis:

Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	06.27.2020 03:31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	06.27.2020 03:31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	06.27.2020 03:31	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	06.27.2020 03:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-130	06.27.2020 03:31	
o-Terphenyl	84-15-1	95	%	70-130	06.27.2020 03:31	



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-5 @ 0-1' Matrix: Soil Date Received:06.26.2020 11:03

Lab Sample Id: 665689-021 Date Collected: 06.23.2020 12:40 Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

KTL % Moisture:

Analyst: KTL Date Prep: 07.01.2020 17:15 Basis: Wet Weight

Seq Number: 3130664

Tech:

Parameter	Cas Number	r Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00201	0.00201		mg/kg	07.02.2020 06:56	U	1
Toluene	108-88-3	< 0.00201	0.00201		mg/kg	07.02.2020 06:56	U	1
Ethylbenzene	100-41-4	< 0.00201	0.00201		mg/kg	07.02.2020 06:56	U	1
m,p-Xylenes	179601-23-1	< 0.00402	0.00402		mg/kg	07.02.2020 06:56	U	1
o-Xylene	95-47-6	< 0.00201	0.00201		mg/kg	07.02.2020 06:56	U	1
Total Xylenes	1330-20-7	< 0.00201	0.00201		mg/kg	07.02.2020 06:56	U	1
Total BTEX		< 0.00201	0.00201		mg/kg	07.02.2020 06:56	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	93	%	70-130	07.02.2020 06:56		
4-Bromofluorobenzene		460-00-4	115	%	70-130	07.02.2020 06:56		



SB-5 @ 2-3'

Certificate of Analytical Results 665689

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Soil

Date Collected: 06.23.2020 12:45 Sample Depth: 2 - 3 ft

Analytical Method: Chloride by EPA 300

Matrix:

Prep Method: E300P

Date Received:06.26.2020 11:03

% Moisture:

CHE Analyst: Date Prep: 06.30.2020 11:35 Basis: Wet Weight

Seq Number: 3130434

Lab Sample Id: 665689-022

CHE

Sample Id:

Tech:

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	25.2	5.05	mg/kg	06.30.2020 17:29		1



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-023 Date Collected: 06.23.2020 12:50

Matrix:

Sample Depth: 4 - 5 ft

Analytical Method: Chloride by EPA 300

SB-5 @ 4-5'

Prep Method: E300P

Tech: CHE

Sample Id:

% Moisture:

CHE Analyst:

Date Prep: 06.30.2020 11:35 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	98.9	5.05	mg/kg 0	6.30.2020 17:34		1



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Soil

Sample Id: SB-5 @ 6-7' Matrix:

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-024 Date Collected: 06.23.2020 12:55

Sample Depth: 6 - 7 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 06.30.2020 11:35

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	8940	49.7	mg/kg	06.30.2020 17:39		10



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-5 @ 8-9' Matrix: Soil Date Received:06.26.2020 11:03

Lab Sample Id: 665689-025 Date Collected: 06.23.2020 13:00 Sample Depth: 8 - 9 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE % Moisture:

CHE Analyst:

Date Prep:

06.30.2020 11:35

Basis:

Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1620	25.0	mg/kg	06.30.2020 17:44		5



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-5 @ 14-15'

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-026

Date Collected: 06.23.2020 13:05

Sample Depth: 14 - 15 ft

Analytical Method: Chloride by EPA 300

CHE

Prep Method: E300P % Moisture:

Tech: CHE

Analyst:

Date Prep:

07.07.2020 15:20 Basis:

Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	866	4.98	mg/kg 07	7.07.2020 17:00		1



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-5 @ 19-20'

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-027 Date Collected: 06.23.2020 13:10

Sample Depth: 19 - 20 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

% MOISTUF

% Moisture:

Analyst: SPC

Date Prep:

07.14.2020 10:00

Basis:

Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	144	4.96	mg/kg	07.14.2020 10:29		1



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: **SB-6** @ **0-1**'

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-028

Date Collected: 06.23.2020 11:00

Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P % Moisture:

Tech: CHE

Analyst:

CHE

Date Prep: 06.30.2020 11:35

Basis:

Wet Weight

Seq Number: 3130434

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	49.5	5.00	mg/kg	06.30.2020.17:49		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

Tech: Analyst: DVM ARM

Date Prep: 06.26.2020 16:30

Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	< 50.0	50.0		mg/kg	06.27.2020 03:52	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.0	50.0		mg/kg	06.27.2020 03:52	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.0	50.0		mg/kg	06.27.2020 03:52	U	1
Total TPH	PHC635	< 50	50		mg/kg	06.27.2020 03:52	U	1
Surrogate	(Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date]
1-Chlorooctane	111-85-3	94	%	70-130	06.27.2020 03:52	
o-Terphenyl	84-15-1	98	%	70-130	06.27.2020 03:52	



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-028 Date Collected: 06.23.2020 11:00 Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B

SB-6 @ 0-1'

Prep Method: SW5035A

Tech: KTL % Moisture:

KTL Analyst:

Date Prep: 07.01.2020 17:15

Wet Weight Basis:

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	07.02.2020 07:17	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	07.02.2020 07:17	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	07.02.2020 07:17	U	1
m,p-Xylenes	179601-23-1	< 0.00400	0.00400		mg/kg	07.02.2020 07:17	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	07.02.2020 07:17	U	1
Total Xylenes	1330-20-7	< 0.002	0.002		mg/kg	07.02.2020 07:17	U	1
Total BTEX		< 0.002	0.002		mg/kg	07.02.2020 07:17	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1 4-Difluorobenzene		540-36-3	96	%	70-130	07 02 2020 07:17		

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Fla
1,4-Difluorobenzene	540-36-3	96	%	70-130	07.02.2020 07:17	
4-Bromofluorobenzene	460-00-4	118	%	70-130	07.02.2020 07:17	



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: **SB-6** @ **2-3**'

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-029

Date Collected: 06.23.2020 11:05

Sample Depth: 2 - 3 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech:

CHE

% Moisu

% Moisture:

Analyst: CHE

06.30.2020 11:35

Basis: Wet Weight

Seq Number: 3130434

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	51.4	5.04	mg/kg	06.30.2020 18:04		1

Date Prep:



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Soil

Sample Id: SB-6 @ 4-5'

Matrix:

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-030 Date Collected: 06.23.2020 11:10 Sample Depth: 4 - 5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

% Moisture:

Tech: CHE

CHE Analyst:

Date Prep: 06.30.2020 11:35

Wet Weight Basis:

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	5660	49.9	mg/kg	06.30.2020 18:10		10



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-6 @ 6-7' Matrix: Soil Date Received:06.26.2020 11:03

Lab Sample Id: 665689-031

Date Collected: 06.23.2020 11:15

Sample Depth: 6 - 7 ft

Analytical Method: Chloride by EPA 300

CHE

Prep Method: E300P

Tech: CHE

Analyst:

% Moisture:

Date Prep:

06.30.2020 11:35 Basis: Wet Weight

Seq Number:	3130434

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1920	25.0	mg/kg	06.30.2020 18:25		5



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-6 @ 8-9'

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-032

Date Collected: 06.23.2020 11:20

Sample Depth: 8 - 9 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P % Moisture:

Tech: CHE

Analyst:

CHE

Date Prep: 06.30.2020 11:35

Basis:

Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2260	25.1	mg/kg	06.30.2020 18:30		5



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: **SB-6** @ **14-15**'

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-033 Date Collected: 06.23.2020 11:25

Sample Depth: 14 - 15 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE
Analyst: CHE

/0 IVIOIS

% Moisture:

Analyst: CHE Seq Number: 3130436 Date Prep: 06.30.2020 11:50

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	187	4.95	mg/kg	06.30.2020 19:26		1



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: **SB-7** @ **0-1**'

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-035

Date Collected: 06.23.2020 14:20

Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst:

CHE

Date Prep: 06.30.2020 11:50

% Moisture:

Basis:

Wet Weight

Seq Number: 3130436

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	96.6	4 99	mo/ko	06 30 2020 19:46		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

Tech: Analyst: DVM ARM

Date Prep: 06.26.2020 16:30

Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9		mg/kg	06.27.2020 04:14	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9		mg/kg	06.27.2020 04:14	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9		mg/kg	06.27.2020 04:14	U	1
Total TPH	PHC635	<49.9	49.9		mg/kg	06.27.2020 04:14	U	1
Surrogate	(Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date
1-Chlorooctane	111-85-3	91	%	70-130	06.27.2020 04:14
o-Terphenyl	84-15-1	89	%	70-130	06.27.2020 04:14



SB-7 @ 0-1'

Certificate of Analytical Results 665689

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Soil

Lab Sample Id: 665689-035 Date Collected: 06.23.2020 14:20 Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Matrix:

% Moisture:

Date Received:06.26.2020 11:03

KTL Analyst: Wet Weight Date Prep: 07.01.2020 17:15 Basis:

Seq Number: 3130664

KTL

Sample Id:

Tech:

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00199	0.00199		mg/kg	07.02.2020 07:37	U	1
Toluene	108-88-3	< 0.00199	0.00199		mg/kg	07.02.2020 07:37	U	1
Ethylbenzene	100-41-4	< 0.00199	0.00199		mg/kg	07.02.2020 07:37	U	1
m,p-Xylenes	179601-23-1	< 0.00398	0.00398		mg/kg	07.02.2020 07:37	U	1
o-Xylene	95-47-6	< 0.00199	0.00199		mg/kg	07.02.2020 07:37	U	1
Total Xylenes	1330-20-7	< 0.00199	0.00199		mg/kg	07.02.2020 07:37	U	1
Total BTEX		< 0.00199	0.00199		mg/kg	07.02.2020 07:37	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4 D		160 00 1	110	0/	70 120	07.02.2020.07.27		

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	110	%	70-130	07.02.2020 07:37	
1,4-Difluorobenzene	540-36-3	92	%	70-130	07.02.2020 07:37	



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-7 @ 2-3'

Lab Sample Id: 665689-036

CHE

CHE

Soil Date Collected: 06.23.2020 14:25 Date Received:06.26.2020 11:03

Wet Weight

Sample Depth: 2 - 3 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Matrix:

Date Prep:

% Moisture: 06.30.2020 11:50

Basis:

Seq Number: 3130436

Tech:

Analyst:

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	8680	50.0	mg/kg	06.30.2020 19:51		10



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

06.30.2020 11:50

Sample Id: SB-7 @ 4-5' Matrix: Soil

Date Received:06.26.2020 11:03

Date Collected: 06.23.2020 14:30

Sample Depth: 4 - 5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

% Moisture:

Tech: CHE

Analyst:

Lab Sample Id: 665689-037

Date Prep:

Basis:

Wet Weight

Seq Number: 3130436

CHE

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	475	5.03	mg/kg	06.30.2020 19:56		1



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-7 @ 6-7'

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-038

Date Collected: 06.23.2020 14:35

Sample Depth: 6 - 7 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P % Moisture:

Tech: CHE

Analyst:

CHE

Date Prep: 06.30.2020 11:50

Basis:

Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil	
Chloride	16887-00-6	86.1	4.96	mg/kg	06.30.2020 20:11		1	



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-8 @ 0-1' Matrix: Soil Date Received:06.26.2020 11:03

Lab Sample Id: 665689-040

Date Collected: 06.23.2020 13:50

Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech:

CHE

% Moisture:

Analyst: Seq Number: 3130436

CHE

Date Prep:

06.30.2020 11:50

Basis:

Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	85.0	5.00	mg/kg	06.30.2020 20:16		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

Tech: Analyst: DVM ARM

Date Prep: 06.26.2020 16:30 Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8		mg/kg	06.27.2020 04:35	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8		mg/kg	06.27.2020 04:35	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8		mg/kg	06.27.2020 04:35	U	1
Total TPH	PHC635	<49.8	49.8		mg/kg	06.27.2020 04:35	U	1
Surrogate	(Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Soil

Sample Id: SB-8 @ 0-1'

Lab Sample Id: 665689-040 Date Collected: 06.23.2020 13:50 Date Received:06.26.2020 11:03

Sample Depth: 0 - 1 ft

Basis:

70-130

Analytical Method: BTEX by EPA 8021B

KTL

KTL

Prep Method: SW5035A

07.02.2020 07:57

% Moisture:

Date Prep: 07.01.2020 17:15

Wet Weight

Seq Number: 3130664

1,4-Difluorobenzene

Tech:

Analyst:

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00198	0.00198		mg/kg	07.02.2020 07:57	U	1
Toluene	108-88-3	< 0.00198	0.00198		mg/kg	07.02.2020 07:57	U	1
Ethylbenzene	100-41-4	< 0.00198	0.00198		mg/kg	07.02.2020 07:57	U	1
m,p-Xylenes	179601-23-1	< 0.00397	0.00397		mg/kg	07.02.2020 07:57	U	1
o-Xylene	95-47-6	< 0.00198	0.00198		mg/kg	07.02.2020 07:57	U	1
Total Xylenes	1330-20-7	< 0.00198	0.00198		mg/kg	07.02.2020 07:57	U	1
Total BTEX		< 0.00198	0.00198		mg/kg	07.02.2020 07:57	U	1
Surrogate	(Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	4	160-00-4	122	%	70-130	07.02.2020 07:57		

92

540-36-3

Matrix:



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Soil

Sample Id: SB-8 @ 2-3' Matrix:

Date Received:06.26.2020 11:03

Date Collected: 06.23.2020 13:55 Sample D

Sample Depth: 2 - 3 ft

Analytical Method: Chloride by EPA 300 Prep Me

Prep Method: E300P

% Moisture:

Tech: CHE

Analyst: CHE

Date Prep: 06.30.2020 11:50

Basis: Wet Weight

Seq Number: 3130436

Lab Sample Id: 665689-041

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	5740	49.5	mg/kg	06.30.2020 20:21		10



SB-8@ 4-5'

Analytical Method: Chloride by EPA 300

CHE

Certificate of Analytical Results 665689

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Matrix: Soil Date Received:06.26.2020 11:03

Lab Sample Id: 665689-042 Date Collected: 06.23.2020 14:00 Sample Depth: 4 - 5 ft

Prep Method: E300P

Tech: CHE % Moisture:

Date Prep: 06.30.2020 11:50 Basis: Wet Weight

Seq Number: 3130436

Sample Id:

Analyst:

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil	
Chloride	16887-00-6	173	5.01	mg/kg	06.30.2020 20:26		1	_



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Soil

Sample Id: SB-8 @ 6-7' Matrix:

Lab Sample Id: 665689-043 Date Collected: 06.23.2020 14:05

Date Received:06.26.2020 11:03

c Collected: 06.23.2020 14:05 Sample Depth: 6 - 7 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P

% Moisture:

Analyst: CHE Date Prep: 06.30.2020 11:50 Basis: Wet Weight

Seq Number: 3130436

CHE

Tech:

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil	
Chloride	16887-00-6	29.9	4.95	mg/kg	06.30.2020 20:31		1	_



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: **SB-9** @ **0-1**'

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-045

Date Collected: 06.23.2020 13:20

Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst:

CHE

Date Prep: 06.30.2020 11:50

% Moisture:

Basis:

Wet Weight

Seq Number: 3130436

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	41.6	4.99	mg/kg	06.30.2020 20:36		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

Tech: DVM

Analyst:

ARM

Date Prep: 06.26.2020 17:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	< 50.0	50.0		mg/kg	06.27.2020 01:26	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.0	50.0		mg/kg	06.27.2020 01:26	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.0	50.0		mg/kg	06.27.2020 01:26	U	1
Total TPH	PHC635	< 50	50		mg/kg	06.27.2020 01:26	U	1
Surrogate	(Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date
1-Chlorooctane	111-85-3	98	%	70-130	06.27.2020 01:26
o-Terphenyl	84-15-1	95	%	70-130	06.27.2020 01:26



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-045 Date Collected: 06.23.2020 13:20

540-36-3

Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B

SB-9 @ 0-1'

Prep Method: SW5035A

Tech: KTL % Moisture:

70-130

KTL Analyst:

Date Prep: 07.01.2020 17:15 Basis: Wet Weight

07.02.2020 08:17

Seq Number: 3130664

1,4-Difluorobenzene

Parameter	Cas Number	r Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00198	0.00198		mg/kg	07.02.2020 08:17	U	1
Toluene	108-88-3	< 0.00198	0.00198		mg/kg	07.02.2020 08:17	U	1
Ethylbenzene	100-41-4	< 0.00198	0.00198		mg/kg	07.02.2020 08:17	U	1
m,p-Xylenes	179601-23-1	< 0.00397	0.00397		mg/kg	07.02.2020 08:17	U	1
o-Xylene	95-47-6	< 0.00198	0.00198		mg/kg	07.02.2020 08:17	U	1
Total Xylenes	1330-20-7	< 0.00198	0.00198		mg/kg	07.02.2020 08:17	U	1
Total BTEX		< 0.00198	0.00198		mg/kg	07.02.2020 08:17	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	128	%	70-130	07.02.2020 08:17		

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TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Soil

Sample Id: SB-9 @ 2-3'

Lab Sample Id: 665689-046 Date Collected: 06.23.2020 13:25

Date Received:06.26.2020 11:03

Sample Depth: 2 - 3 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Matrix:

% Moisture:

Analyst: CHE Date Prep: 07.02.2020 13:45 Basis: Wet Weight

Seq Number: 3130769

CHE

Tech:

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	95.6	5.04	mg/kg	07.02.2020 17:29		1



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-9 @ 4-5'

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-047

Date Collected: 06.23.2020 13:30

Sample Depth: 4 - 5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P % Moisture:

Tech: CHE

Analyst:

CHE

Date Prep: 06.30.2020 11:50

Basis:

Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	8660	50.3	mg/kg	06.30.2020 20:51		10



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-9 @ 6-7'

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-048

Date Collected: 06.23.2020 13:35

Sample Depth: 6 - 7 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P % Moisture:

Tech:

Analyst:

CHE CHE

Date Prep: 06.30.2020 11:50

Basis:

Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	216	4.96	mg/kg	06.30.2020 20:57		1



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: **SB-10** @ **0-1'**

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-050

Date Collected: 06.24.2020 09:00

Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P % Moisture:

Tech: CHE

Analyst:

CHE

Date Prep: 06.30.2020 11:50

Basis:

Wet Weight

Seq Number: 3130436

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	89.9	4 99	mo/ko	06 30 2020 21:12		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

Tech:

Analyst:

DVM ARM

Date Prep: 06.26.2020 17:00

Basis: Wet Weight

Parameter	Cas Number	r Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9		mg/kg	06.27.2020 01:45	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9		mg/kg	06.27.2020 01:45	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9		mg/kg	06.27.2020 01:45	U	1
Total TPH	PHC635	<49.9	49.9		mg/kg	06.27.2020 01:45	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date
1-Chlorooctane	111-85-3	106	%	70-130	06.27.2020 01:45
o-Terphenyl	84-15-1	108	%	70-130	06.27.2020 01:45

Wet Weight

Basis:



Certificate of Analytical Results 665689

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

07.01.2020 17:15

Sample Id: SB-10 @ 0-1' Matrix: Soil Date Received:06.26.2020 11:03

Lab Sample Id: 665689-050 Date Collected: 06.24.2020 09:00 Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Date Prep:

Tech: KTL % Moisture:

Seq Number: 3130664

Analyst:

KTL

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	07.02.2020 08:38	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	07.02.2020 08:38	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	07.02.2020 08:38	U	1
m,p-Xylenes	179601-23-1	< 0.00399	0.00399		mg/kg	07.02.2020 08:38	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	07.02.2020 08:38	U	1
Total Xylenes	1330-20-7	< 0.002	0.002		mg/kg	07.02.2020 08:38	U	1
Total BTEX		< 0.002	0.002		mg/kg	07.02.2020 08:38	U	1
Surrogate	C	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1.4 D'Cl 1	ž.	10.06.0	0.0	0.7	70.100	07.02.2020.00.20		

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	92	%	70-130	07.02.2020 08:38	
4-Bromofluorobenzene	460-00-4	120	%	70-130	07.02.2020 08:38	



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-10 @ 2-3'

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-051

Date Collected: 06.24.2020 09:05

Sample Depth: 2 - 3 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep:

06.30.2020 11:50

Basis:

Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	48.2	5.05	mg/kg	06.30.2020 21:17		1



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-10 @ 4-5'

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-052

Date Collected: 06.24.2020 09:10

Sample Depth: 4 - 5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

%0 IVI

% Moisture:

Analyst: CHE

Date Prep: 06.30.2020 11:50

Basis:

Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	653	5.05	mg/kg	06.30.2020 21:22		1



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: **SB-10** @ **6-7**'

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-053

Date Collected: 06.24.2020 09:15

4.98

07.07.2020 15:20

Sample Depth: 6 - 7 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

07.07.2020 18:00

Tech:

Chloride

CHE

% Moistu

mg/kg

% Moisture:

Basis:

Wet Weight

Flag

Dil

1

Analyst: CHE Seq Number: 3130983

Parameter Cas Number Result RL Units Analysis Date

16887-00-6

Date Prep:

324



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-11 @ 0-1'

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-054

Date Collected: 06.24.2020 09:25

Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst:

CHE

Date Prep: 06.30.2020 11:35

% Moisture:

Basis:

Wet Weight

Seq Number: 3130434

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1530	24.8	mg/kg	06.30.2020 18:35		5

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

Tech:
Analyst:

DVM ARM

Date Prep: 06.26.2020 17:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8		mg/kg	06.27.2020 12:49	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8		mg/kg	06.27.2020 12:49	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8		mg/kg	06.27.2020 12:49	U	1
Total TPH	PHC635	<49.8	49.8		mg/kg	06.27.2020 12:49	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Fla
1-Chlorooctane	111-85-3	104	%	70-130	06.27.2020 12:49	
o-Terphenyl	84-15-1	108	%	70-130	06.27.2020 12:49	



SB-11 @ 0-1'

Analytical Method: BTEX by EPA 8021B

KTL

Certificate of Analytical Results 665689

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Matrix: Soil Date Received:06.26.2020 11:03

Lab Sample Id: 665689-054 Date Collected: 06.24.2020 09:25 Sample Depth: 0 - 1 ft

Prep Method: SW5035A

% Moisture:

KTL Analyst: Date Prep: 07.01.2020 17:15 Basis: Wet Weight

Seq Number: 3130664

Sample Id:

Tech:

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	07.02.2020 08:58	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	07.02.2020 08:58	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	07.02.2020 08:58	U	1
m,p-Xylenes	179601-23-1	< 0.00401	0.00401		mg/kg	07.02.2020 08:58	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	07.02.2020 08:58	U	1
Total Xylenes	1330-20-7	< 0.002	0.002		mg/kg	07.02.2020 08:58	U	1
Total BTEX		< 0.002	0.002		mg/kg	07.02.2020 08:58	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Bromofluorobenzene	,	160-00-4	126	0%	70-130	07 02 2020 08:58		



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: **SB-11** @ **2-3**'

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-055

Date Collected: 06.24.2020 09:30

Sample Depth: 2 - 3 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P % Moisture:

Tech: CHE

Analyst:

CHE

Date Prep: 06.30.2020 11:35

Basis:

Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2480	24.8	mg/kg	06.30.2020 18:40		5



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-11 @ 4-5'

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-056 Date Collected: 06.24.2020 09:35

Sample Depth: 4 - 5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Seq Number: 3130434

% Moisture:

Analyst: CHE

Date Prep: 06.30.2020 11:35

Basis:

Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	5030	50.3	mg/kg	06.30.2020 18:45		10



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-11 @ 6-7' Matrix:

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-057

Soil Date Collected: 06.24.2020 09:40

Sample Depth: 6 - 7 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech:

CHE

% Moisture:

CHE Analyst:

Date Prep:

06.30.2020 11:35

Basis:

Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	289	4.96	mg/kg	06.30.2020 18:50		1



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-12 @ 0-1' Matrix: Soil Date Received:06.26.2020 11:03

Lab Sample Id: 665689-059

Date Collected: 06.24.2020 10:00

Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

CHE Tech:

% Moisture:

Basis:

Wet Weight

CHE Analyst:

Seq Number: 3130434

Date Prep: 06.30.2020 11:35

Result **Parameter** Cas Number RLUnits **Analysis Date** Dil Flag Chloride 16887-00-6 37.9 4.99 mg/kg 06.30.2020 18:55 1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

Tech:

Analyst:

DVM ARM

Date Prep: 06.26.2020 17:00 Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	< 50.0	50.0		mg/kg	06.27.2020 02:22	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.0	50.0		mg/kg	06.27.2020 02:22	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.0	50.0		mg/kg	06.27.2020 02:22	U	1
Total TPH	PHC635	< 50	50		mg/kg	06.27.2020 02:22	U	1
Surrogate	(Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	F
1-Chlorooctane	111-85-3	100	%	70-130	06.27.2020 02:22	
o-Terphenyl	84-15-1	103	%	70-130	06.27.2020 02:22	

Wet Weight

Basis:



Certificate of Analytical Results 665689

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

07.01.2020 17:15

Sample Id: SB-12 @ 0-1' Matrix: Soil Date Received:06.26.2020 11:03

Lab Sample Id: 665689-059 Date Collected: 06.24.2020 10:00 Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

Date Prep:

Tech: KTL % Moisture:

Seq Number: 3130664

Analyst:

KTL

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00202	0.00202		mg/kg	07.02.2020 09:18	U	1
Toluene	108-88-3	< 0.00202	0.00202		mg/kg	07.02.2020 09:18	U	1
Ethylbenzene	100-41-4	< 0.00202	0.00202		mg/kg	07.02.2020 09:18	U	1
m,p-Xylenes	179601-23-1	< 0.00403	0.00403		mg/kg	07.02.2020 09:18	U	1
o-Xylene	95-47-6	< 0.00202	0.00202		mg/kg	07.02.2020 09:18	U	1
Total Xylenes	1330-20-7	< 0.00202	0.00202		mg/kg	07.02.2020 09:18	U	1
Total BTEX		< 0.00202	0.00202		mg/kg	07.02.2020 09:18	U	1
Surrogate	Ca	as Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	92	%	70-130	07.02.2020 09:18	
4-Bromofluorobenzene	460-00-4	124	%	70-130	07.02.2020 09:18	



SB-12@ 2-3'

Certificate of Analytical Results 665689

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id:

Matrix: Soil Date Received:06.26.2020 11:03

Lab Sample Id: 665689-060 Date Collected: 06.24.2020 10:05 Sample Depth: 2 - 3 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P

% Moisture:

CHE Analyst: Date Prep: 06.30.2020 11:50 Basis: Wet Weight

Seq Number: 3130436

CHE

Tech:

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	24.0	4.98	mg/kg	06.30.2020 21:27		1



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-12 @ 4-5' Matrix: Soil Date Received:06.26.2020 11:03

Lab Sample Id: 665689-061

Date Collected: 06.24.2020 10:10

Sample Depth: 4 - 5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

CHE Analyst:

Date Prep: 06.30.2020 11:50 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units A	nalysis Date Flag	g Dil
Chloride	16887-00-6	187	5.00	mg/kg 06.3	30.2020 21:32	1



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: **SB-13** @ **0-1'**

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-063

Date Collected: 06.24.2020 10:25

Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CH

Analyst:

CHE CHE

70 1710

% Moisture:

Seq Number: 3130436

Date Prep:

06.30.2020 11:50

Basis:

Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	16.8	5.00	mg/kg	06.30.2020 21:37		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

Tech: Analyst: DVM ARM

Date Prep: 06.26.2020 17:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9		mg/kg	06.27.2020 02:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9		mg/kg	06.27.2020 02:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9		mg/kg	06.27.2020 02:41	U	1
Total TPH	PHC635	<49.9	49.9		mg/kg	06.27.2020 02:41	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date
1-Chlorooctane	111-85-3	105	%	70-130	06.27.2020 02:41
o-Terphenyl	84-15-1	110	%	70-130	06.27.2020 02:41



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-13 @ 0-1' Matrix: Soil Date Received:06.26.2020 11:03

Lab Sample Id: 665689-063 Date Collected: 06.24.2020 10:25 Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

% Moisture:

Tech: KTL KTL

460-00-4

Date Prep: 07.01.2020 17:15 Basis: Wet Weight

70-130

07.02.2020 09:39

Seq Number: 3130664

4-Bromofluorobenzene

Analyst:

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	07.02.2020 09:39	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	07.02.2020 09:39	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	07.02.2020 09:39	U	1
m,p-Xylenes	179601-23-1	< 0.00401	0.00401		mg/kg	07.02.2020 09:39	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	07.02.2020 09:39	U	1
Total Xylenes	1330-20-7	< 0.002	0.002		mg/kg	07.02.2020 09:39	U	1
Total BTEX		< 0.002	0.002		mg/kg	07.02.2020 09:39	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	4	540-36-3	95	%	70-130	07.02.2020 09:39		

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TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-13 @ 2-3' Matrix: Soil Date Received:06.26.2020 11:03

Lab Sample Id: 665689-064

Date Collected: 06.24.2020 10:30

Sample Depth: 2 - 3 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P % Moisture:

Tech:

Analyst:

CHE CHE

Date Prep: 06.30.2020 11:50 Basis:

Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	22.1	5.00	mg/kg	06.30.2020 21:42		1



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-13 @ 4-5'

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-065 Date Collected: 06.24.2020 10:35

Sample Depth: 4 - 5 ft

Analytical Method: Chloride by EPA 300

CHE

Prep Method: E300P

Tech: CHE

Analyst:

% Moisture:

Seq Number: 3130441

Date Prep: 06.30.2020 15:20 Basis:

: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	153	5.02	mg/kg	06.30.2020 17:17		1



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-14 @ 0-1' Matrix: Soil Date Received:06.26.2020 11:03

Lab Sample Id: 665689-067

Date Collected: 06.24.2020 10:50

06.30.2020 15:20

Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Analyst:

% Moisture:

CHE Date Prep: Basis:

Wet Weight

Seq Number: 3130441

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	19.3	4.96	mg/kg	06.30.2020 17:37		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

06.27.2020 03:00

DVM

% Moisture:

70-130

Analyst: ARM

o-Terphenyl

Tech:

Date Prep: 06.26.2020 17:00 Basis: Wet Weight

Seq Number: 3130170

Parameter	Cas Number	r Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9		mg/kg	06.27.2020 03:00	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9		mg/kg	06.27.2020 03:00	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9		mg/kg	06.27.2020 03:00	U	1
Total TPH	PHC635	<49.9	49.9		mg/kg	06.27.2020 03:00	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	105	%	70-130	06.27.2020 03:00		

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84-15-1



SB-14 @ 0-1'

Analytical Method: BTEX by EPA 8021B

Certificate of Analytical Results 665689

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: Matrix: Soil

Lab Sample Id: 665689-067 Date Collected: 06.24.2020 10:50 Sample Depth: 0 - 1 ft

Prep Method: SW5035A

07.02.2020 17:49

Date Received:06.26.2020 11:03

KTL % Moisture:

460-00-4

70-130

KTL Analyst: Date Prep: 07.02.2020 08:45 Basis: Wet Weight

Seq Number: 3130648

4-Bromofluorobenzene

Tech:

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00202	0.00202		mg/kg	07.02.2020 17:49	U	1
Toluene	108-88-3	< 0.00202	0.00202		mg/kg	07.02.2020 17:49	U	1
Ethylbenzene	100-41-4	< 0.00202	0.00202		mg/kg	07.02.2020 17:49	U	1
m,p-Xylenes	179601-23-1	< 0.00404	0.00404		mg/kg	07.02.2020 17:49	U	1
o-Xylene	95-47-6	< 0.00202	0.00202		mg/kg	07.02.2020 17:49	U	1
Total Xylenes	1330-20-7	< 0.00202	0.00202		mg/kg	07.02.2020 17:49	U	1
Total BTEX		< 0.00202	0.00202		mg/kg	07.02.2020 17:49	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	101	%	70-130	07.02.2020 17:49		

99



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-14 @ 2-3' Matrix:

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-068

Soil Date Collected: 06.24.2020 10:55

Sample Depth: 2 - 3 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech:

Analyst:

CHE CHE

% Moisture:

Seq Number: 3130441

Date Prep: 06.30.2020 15:20 Basis:

Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	6.11	5.00	mg/kg	06.30.2020 17:44		1



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-14 @ 4-5'

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-069

Date Collected: 06.24.2020 11:00

Sample Depth: 4 - 5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Seq Number: 3130441

Analyst:

CHE Date

% Moisture:

Date Prep:

06.30.2020 15:20

Basis:

Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	47.2	4.95	mg/kg	06.30.2020 17:51		1



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: **SB-14** @ **6-7**'

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-070

Date Collected: 06.24.2020 11:05

Sample Depth: 6 - 7 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech:

CHE

% Moisture:

Analyst: CHE

Date Prep:

06.30.2020 15:20

Basis:

Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	651	4.95	mg/kg	06.30.2020 17:57		1



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-14 @ 8-9'

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-071

Date Collected: 06.24.2020 11:10

Sample Depth: 8 - 9 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech:

CHE

% Moisture:

Analyst: CHE

Date Prep:

07.07.2020 15:20

Basis:

Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1600	25.0	mg/kg	07.07.2020 18:06		5



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-14 @ 14-15'

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-072

Date Collected: 06.24.2020 11:15

Sample Depth: 14 - 15 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P % Moisture:

Tech:

Analyst:

CHE CHE

Date Prep: 07.13.2020 10:30

Basis:

Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	196	4.96	mg/kg	07.13.2020 14:40		1



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-Road @ 0-1'

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-074

Date Collected: 06.24.2020 11:30

Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech:

CHE

Date Prep: 06.30.2020 15:20

% Moisture:

Basis:

Wet Weight

Analyst: CHE Seq Number: 3130441

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	10000	101	mg/kg	06.30.2020 18:17		20

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

% Moisture:

Tech:
Analyst:

DVM ARM

Date Prep: 06.26.2020 17:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8		mg/kg	06.27.2020 03:19	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8		mg/kg	06.27.2020 03:19	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8		mg/kg	06.27.2020 03:19	U	1
Total TPH	PHC635	<49.8	49.8		mg/kg	06.27.2020 03:19	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	F
1-Chlorooctane	111-85-3	101	%	70-130	06.27.2020 03:19	
o-Terphenyl	84-15-1	106	%	70-130	06.27.2020 03:19	

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-Road @ 0-1'

KTL

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-074

Date Collected: 06.24.2020 11:30

Sample Depth: 0 - 1 ft

07.02.2020 18:10

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

Analyst:

Date Prep: 07.02.2020 08:45

% Moisture:

Basis:

70-130

Wet Weight

Seq Number: 3130648

4-Bromofluorobenzene

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00201	0.00201		mg/kg	07.02.2020 18:10	U	1
Toluene	108-88-3	< 0.00201	0.00201		mg/kg	07.02.2020 18:10	U	1
Ethylbenzene	100-41-4	< 0.00201	0.00201		mg/kg	07.02.2020 18:10	U	1
m,p-Xylenes	179601-23-1	< 0.00402	0.00402		mg/kg	07.02.2020 18:10	U	1
o-Xylene	95-47-6	< 0.00201	0.00201		mg/kg	07.02.2020 18:10	U	1
Total Xylenes	1330-20-7	< 0.00201	0.00201		mg/kg	07.02.2020 18:10	U	1
Total BTEX		< 0.00201	0.00201		mg/kg	07.02.2020 18:10	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	102	%	70-130	07.02.2020 18:10		

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460-00-4



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-Road @ 2-3' Matrix: Soil Date Received:06.26.2020 11:03

Lab Sample Id: 665689-075

Date Collected: 06.24.2020 11:35

06.30.2020 15:20

Sample Depth: 2 - 3 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

Seq Number: 3130441

% Moisture:

CHE Analyst:

Date Prep:

Basis:

Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	4190	49.9	mg/kg	06.30.2020 18:24		10



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-Road @ 4-5'

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-076

Date Collected: 06.24.2020 11:40

Sample Depth: 4 - 5 ft
Prep Method: E300P

Analytical Method: Chloride by EPA 300

% Moisture:

Tech: CHE

Analyst:

CHE

Date Prep: 06.30.2020 15:20

Basis:

Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1260	5.01	mg/kg	06.30.2020 18:30		1



TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: SB-Road @ 6-7'

Matrix: Soil

Date Received:06.26.2020 11:03

Lab Sample Id: 665689-077

Date Collected: 06.24.2020 11:45

Sample Depth: 6 - 7 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P % Moisture:

Tech: CHE

Analyst:

CHE

Date Prep: 06.30.2020 15:20 Ba

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Basis:

Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	162	4.96	mg/kg	06.30.2020 18:37		1



Xenco

Flagging Criteria

- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the quantitation limit and above the detection limit.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- **H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- **K** Sample analyzed outside of recommended hold time.
- **JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit SDL Sample Detection Limit LOD Limit of Detection

PQL Practical Quantitation Limit MQL Method Quantitation Limit LOQ Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample BLK Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample BKSD/LCSD Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate MS Matrix Spike MSD: Matrix Spike Duplicate

- + NELAC certification not offered for this compound.
- * (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

^{**} Surrogate recovered outside laboratory control limit.

E300P

E300P

E300P

E300P

MS = Matrix Spike

D = MSD/LCSD % Rec

B = Spike Added

Prep Method:

RPD

Prep Method:

%RPD



QC Summary 665689

TRC Solutions, Inc

Gold Coast 26 Federal SWD #1

E300P Analytical Method: Chloride by EPA 300 Prep Method: 06.30.2020 Seg Number: 3130390 Matrix: Solid Date Prep: 7706453-1-BLK LCS Sample Id: 7706453-1-BKS LCSD Sample Id: 7706453-1-BSD MB Sample Id:

%RPD RPD MB Spike LCS LCS Limits Units Analysis LCSD LCSD Flag **Parameter** Result Amount Result %Rec Result %Rec Limit Date Chloride < 5.00 250 106 254 90-110 20 06.30.2020 13:41 265 102 4 mg/kg

Analytical Method: Chloride by EPA 300

Prep Method: Seq Number: 3130434 Matrix: Solid Date Prep: 06.30.2020 7706454-1-BKS MB Sample Id: 7706454-1-BLK LCS Sample Id: LCSD Sample Id: 7706454-1-BSD

MB Spike LCS LCS LCSD LCSD Limits %RPD RPD Units Analysis **Parameter** Flag Result Amount Result %Rec Result %Rec Limit Date 20 06.30.2020 16:28 Chloride < 5.00 250 260 104 251 100 90-110 4 mg/kg

Analytical Method: Chloride by EPA 300

Prep Method: Seq Number: 3130436 Matrix: Solid Date Prep: 06.30.2020

LCS Sample Id: 7706455-1-BKS LCSD Sample Id: 7706455-1-BSD MB Sample Id: 7706455-1-BLK

Spike **RPD** MR LCS LCS %RPD Units Analysis LCSD LCSD Limite Flag **Parameter** Result Result %Rec Limit Date Amount Result %Rec Chloride 250 240 20 06.30.2020 19:15 < 5.00 96 250 100 90-110 4 mg/kg

Analytical Method: Chloride by EPA 300

Seg Number: 3130441 Matrix: Solid 06.30.2020 Date Prep:

MB Sample Id: 7706497-1-BLK LCS Sample Id: 7706497-1-BKS LCSD Sample Id: 7706497-1-BSD

MB Spike LCS LCS LCSD LCSD Limits %RPD Units Analysis Flag **Parameter** Result Limit Date Result Amount %Rec %Rec Result 06.30.2020 17:04 Chloride 90-110 20 < 5.00 250 249 100 249 100 0 mg/kg

Analytical Method: Chloride by EPA 300

E300P Prep Method: Seq Number: 3130769 Matrix: Solid 07.02.2020 Date Prep:

7706694-1-BKS 7706694-1-BSD MB Sample Id: 7706694-1-BLK LCS Sample Id: LCSD Sample Id:

MB Spike LCS LCS Limits RPD Units Analysis LCSD LCSD Flag **Parameter** Result %Rec Limit Date Result Amount Result %Rec 07.02.2020 15:27 Chloride < 5.00 250 258 103 259 104 90-110 0 20 mg/kg

Analytical Method: Chloride by EPA 300

3130983 07.07.2020 Seq Number: Matrix: Solid Date Prep:

LCS Sample Id: 7706871-1-BKS LCSD Sample Id: 7706871-1-BSD MB Sample Id: 7706871-1-BLK

Spike %RPD RPD MB LCS LCS LCSD LCSD Limits Units Analysis Flag **Parameter** Result %Rec Limit Date Result Amount %Rec Result 07.07.2020 15:39 258 103 0 20 Chloride < 5.00 250 258 103 90-110 mg/kg

[D] = 100*(C-A) / B

Relative Percent Difference $RPD = 200* \mid (C-E) \mid (C+E) \mid$ = Parent Result LCS/LCSD Recovery [D] = 100 * (C) / [B]= MS/LCS Result Log Difference

Log Diff. = Log(Sample Duplicate) - Log(Original Sample) = MSD/LCSD Result

LCS = Laboratory Control Sample

MS/MSD Percent Recovery

QC Summary 665689

TRC Solutions, Inc

Gold Coast 26 Federal SWD #1

Analytical Method: Chloride by EPA 300

Seq Number: 3131500

MB Sample Id:

7707209-1-BLK

Result

Matrix: Solid LCS Sample Id: 7707209-1-BKS

E300P Prep Method:

Date Prep: 07.13.2020

LCSD Sample Id: 7707209-1-BSD

%RPD RPD MB Spike LCS LCS Limits Units Analysis LCSD LCSD Flag **Parameter** Result Amount Result %Rec Result %Rec Limit Date

Chloride < 5.00 250 252 101 255 90-110 20 07.13.2020 13:04 102 1 mg/kg

Analytical Method: Chloride by EPA 300

Seq Number: 3131639 Matrix: Solid

Prep Method: Date Prep:

Limit

E300P 07.14.2020

Date

7707269-1-BLK LCS Sample Id: 7707269-1-BKS LCSD Sample Id: 7707269-1-BSD MB Sample Id:

Result

MB Spike LCS LCS LCSD LCSD Limits %RPD RPD Units Analysis **Parameter**

Amount %Rec %Rec 20 07.14.2020 10:16 Chloride < 5.00 250 256 102 256 102 90-110 0 mg/kg

Result

Analytical Method: Chloride by EPA 300

3130390 Seq Number:

Prep Method:

E300P

Matrix: Soil Date Prep: 06.30.2020 Parent Sample Id: 665688-007

MS Sample Id: 665688-007 S MSD Sample Id: 665688-007 SD

Spike **RPD Parent** MS MS %RPD Units MSD **MSD** Limite Analysis Flag **Parameter** Result Result Limit Date Amount %Rec Result %Rec Chloride 250 0 20 06.30.2020 13:57 9.00 259 100 259 100 90-110 mg/kg

Analytical Method: Chloride by EPA 300

Seq Number: 3130390

Matrix: MS Sample Id:

E300P Prep Method:

06.30.2020 Date Prep:

Parent Sample Id: 665689-001 665689-001 S MSD Sample Id: 665689-001 SD

RPD Parent Spike MS MS MSD MSD Limits %RPD Units Analysis Flag **Parameter** Result Limit Date Result Amount %Rec %Rec Result 06.30.2020 15:07 Chloride 90-110 20 40.6 249 309 108 314 110 2 mg/kg

Analytical Method: Chloride by EPA 300

Seq Number: 3130434 Matrix: Soil

Prep Method: Date Prep:

E300P

06.30.2020 665689-013 S 665689-013 SD Parent Sample Id: 665689-013 MS Sample Id: MSD Sample Id:

Parent Spike MS MS Limits %RPD RPD Units Analysis MSD MSD Flag **Parameter** Result Limit Date Result Amount %Rec Result %Rec 06.30.2020 16:44 Chloride 800 248 979 72 1010 85 90-110 3 20 mg/kg X

Analytical Method: Chloride by EPA 300

Matrix: Soil

%Rec

E300P

3130434 Seq Number: 665689-028 S MS Sample Id: 665689-028 Parent Sample Id:

Amount

Prep Method: Date Prep: MSD Sample Id:

06.30.2020 665689-028 SD

Spike %RPD RPD Parent MS MS **MSD** MSD Limits Units Analysis Flag **Parameter**

Result Result Limit Date Result 06.30.2020 17:54 104 20 Chloride 49.5 250 310 312 105 90-110 1 mg/kg

%Rec

MS/MSD Percent Recovery Relative Percent Difference LCS/LCSD Recovery Log Difference

[D] = 100*(C-A) / BRPD = 200* | (C-E) / (C+E) |[D] = 100 * (C) / [B]

Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample = Parent Result = MS/LCS Result

= MSD/LCSD Result

MS = Matrix Spike B = Spike Added D = MSD/LCSD % Rec

QC Summary 665689

TRC Solutions, Inc

Gold Coast 26 Federal SWD #1

Analytical Method: Chloride by EPA 300

Seg Number: 3130436

665689-033

Matrix: Soil

E300P Prep Method:

Date Prep:

06.30.2020

MS Sample Id: 665689-033 S MSD Sample Id:

665689-033 SD

RPD **Parent** Spike MS MS Limits %RPD MSD **MSD Parameter** Result Amount Result %Rec Result %Rec Limit 422 90-110 20 429 2

Chloride

Parent Sample Id:

187 248

95

98

MSD

Units 06.30.2020 19:31 mg/kg

Analysis Flag Date

Analytical Method: Chloride by EPA 300

Seq Number:

3130436

Matrix: Soil

Prep Method: Date Prep:

E300P 06.30.2020

Parent Sample Id:

665689-045

665689-045 S MS Sample Id:

99

MSD Sample Id: 665689-045 SD

Analysis Flag

06.30.2020 20:41

Parameter

Parent Result Amount

41.6

MS MS Result %Rec 288

MS Sample Id:

MSD Result 310

%Rec 107 90-110

Limits

Limit 20 7

RPD

%RPD

Units Date

Chloride

Analytical Method: Chloride by EPA 300 3130441

665689-065

Matrix: Soil

665689-065 S

Prep Method:

E300P

Date Prep: 06.30.2020

Units

mg/kg

Spike

251

Amount

Spike

250

MS Result

MSD Result

MSD Limite %Rec

101

RPD %RPD

MSD Sample Id: 665689-065 SD

Analysis Flag

Parameter Chloride

Seq Number:

Parent Sample Id:

Parent Result 153

405

MS %Rec 100

406

90-110

Limit 0 20

mg/kg

Date 06.30.2020 17:24

Analytical Method: Chloride by EPA 300

3130441

Matrix:

Prep Method: Date Prep:

RPD

E300P 06.30.2020

Parent Sample Id:

665809-002 **Parent** MS Sample Id: MS

665809-002 S MS MSD

MSD

MSD Sample Id: Limits %RPD

665809-002 SD

Analysis

Parameter Chloride

Seg Number:

Result Amount 1760 1250

Spike

Result %Rec 3040 102

%Rec Result 2980 98

90-110

Limit 20 2

Units

Flag Date 06.30.2020 18:57

Analytical Method: Chloride by EPA 300

Parent

Result

Parent

Result

25.4

18.2

3130769

Spike

252

Amount

Matrix: Soil

MSD

%Rec

MSD

%Rec

110

Prep Method:

Units

mg/kg

E300P

07.02.2020

Parent Sample Id: **Parameter**

Chloride

Seq Number:

665975-005

MS Sample Id:

665975-005 S

Limits

MSD Sample Id:

Date Prep:

665975-005 SD

Analysis Flag

Flag

Analytical Method: Chloride by EPA 300

MS

295

Result

MS

105

%Rec

MS

110

%Rec

MSD

Result

262

296

MSD

Result

0

%RPD

Limit 20

RPD

Prep Method:

Limit

20

Date Prep:

mg/kg

Date 07.02.2020 15:43

MS

290

Result

Matrix: Soil

90-110

Seq Number: Parent Sample Id:

3130769 665975-012

MS Sample Id:

Spike

253

Amount

665975-012 S

Limits

90-110

MSD Sample Id: %RPD RPD

10

07.02.2020

Units

mg/kg

E300P

665975-012 SD Analysis

Date

07.02.2020 16:53

Parameter Chloride

MS/MSD Percent Recovery

Relative Percent Difference

LCS/LCSD Recovery

Log Difference

[D] = 100*(C-A) / B $RPD = 200* \mid (C-E) \mid (C+E) \mid$

[D] = 100 * (C) / [B]Log Diff. = Log(Sample Duplicate) - Log(Original Sample) LCS = Laboratory Control Sample = Parent Result = MS/LCS Result

= MSD/LCSD Result

MS = Matrix Spike B = Spike Added D = MSD/LCSD % Rec

Analysis

Date

Flag

Flag

QC Summary 665689

TRC Solutions, Inc

Gold Coast 26 Federal SWD #1

Analytical Method: Chloride by EPA 300

Seg Number: 3130983

665689-026

Matrix: Soil MS Sample Id: 665689-026 S

E300P Prep Method:

07.07.2020 Date Prep:

MSD Sample Id: 665689-026 SD

RPD **Parent** Spike MS MS Limits %RPD Units MSD **MSD Parameter** Result Amount Result %Rec Result %Rec Limit

Chloride 866 249 1100 94 1100 94 90-110 0 20 07.07.2020 17:05 mg/kg

Analytical Method: Chloride by EPA 300

Seq Number: 3130983

Parent Sample Id:

Matrix: Soil

Prep Method: E300P Date Prep: 07.07.2020

666397-001 S 666397-001 MS Sample Id: MSD Sample Id: 666397-001 SD Parent Sample Id:

Parent Spike MS MS MSD MSD Limits %RPD RPD Units Analysis **Parameter** Result Amount Result %Rec Result %Rec Limit Date

20 07.07.2020 15:54 Chloride 198 248 459 105 452 102 90-110 2 mg/kg

Analytical Method: Chloride by EPA 300

Seq Number: 3131500

Matrix: Soil

E300P Prep Method:

07.13.2020 Date Prep:

MS Sample Id: 666431-001 S MSD Sample Id: 666431-001 SD Parent Sample Id: 666431-001

Spike **RPD Parent** MS MS %RPD Units Analysis MSD **MSD** Limite Flag **Parameter** Result Result Limit Date Amount %Rec Result %Rec Chloride 494 20 07.13.2020 13:19 248 249 99 500 101 90-110 mg/kg

Analytical Method: Chloride by EPA 300

Seg Number: 3131500

Matrix: Soil

E300P

07.13.2020 Date Prep:

Parent Sample Id: 666718-004 MS Sample Id: 666718-004 S MSD Sample Id: 666718-004 SD

RPD Parent Spike MS MS MSD **MSD** Limits %RPD Units Analysis Flag **Parameter** Result Limit Date Result Amount %Rec %Rec Result 07.13.2020 14:30 Chloride 90-110 20 140 250 399 104 408 107 2 mg/kg

Analytical Method: Chloride by EPA 300

Seq Number: 3131639 Matrix: Soil

Prep Method:

Prep Method:

E300P

07.14.2020 Date Prep: 665689-027 S 665689-027 SD Parent Sample Id: 665689-027 MS Sample Id: MSD Sample Id:

Parent Spike MS MS Limits %RPD RPD Units Analysis MSD MSD Flag **Parameter** Result Limit Date Result Amount %Rec Result %Rec Chloride 144 248 392 100 393 100 90-110 0 20 mg/kg

Analytical Method: Chloride by EPA 300

Prep Method:

07.14.2020 10:35

Flag

E300P

3131639 07.14.2020 Seq Number: Matrix: Soil Date Prep: 666985-085 S 666985-085 SD MS Sample Id: MSD Sample Id: Parent Sample Id: 666985-085

Spike %RPD RPD MS MS Parent **MSD** MSD Limits Units Analysis **Parameter** Result Result Limit Date Amount %Rec Result %Rec 07.14.2020 12:04 259 104 20 Chloride <4.98 249 259 104 90-110 0 mg/kg

MS/MSD Percent Recovery Relative Percent Difference LCS/LCSD Recovery Log Difference

[D] = 100*(C-A) / B $RPD = 200* \mid (C-E) \mid (C+E) \mid$ [D] = 100 * (C) / [B]

Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample = Parent Result = MS/LCS Result

= MSD/LCSD Result

MS = Matrix Spike B = Spike Added D = MSD/LCSD % Rec

Flag



QC Summary 665689

TRC Solutions, Inc

Gold Coast 26 Federal SWD #1

Analytical Method: TPH by SW8015 Mod SW8015P Prep Method: Seg Number: 3130172 Matrix: Solid Date Prep: 06.26.2020 LCS Sample Id: 7706304-1-BKS LCSD Sample Id: 7706304-1-BSD MB Sample Id: 7706304-1-BLK

RPD MB Spike LCS LCS Limits %RPD Units Analysis LCSD LCSD **Parameter** Result Amount Result %Rec %Rec Limit Date Result Gasoline Range Hydrocarbons (GRO) 1000 934 93 0 20 06.26.2020 20:04 < 50.0 935 94 70-130 mg/kg 06.26.2020 20:04 Diesel Range Organics (DRO) 1000 1050 105 1060 70-130 20 mg/kg < 50.0 106 1 MB MB LCS LCS LCSD Limits Units Analysis LCSD

Surrogate Flag %Rec Flag Flag Date %Rec %Rec 06.26.2020 20:04 1-Chlorooctane 97 96 97 70-130 % 97 06.26.2020 20:04 o-Terphenyl 100 97 70-130 %

Analytical Method: TPH by SW8015 Mod SW8015P Prep Method: 3130170 Seq Number: Matrix: Solid Date Prep: 06.26.2020

LCS Sample Id: 7706306-1-BKS LCSD Sample Id: 7706306-1-BSD MB Sample Id: 7706306-1-BLK

MB Spike LCS LCS LCSD Limits %RPD **RPD** Units Analysis LCSD **Parameter** Result Amount Result %Rec Result %Rec Limit Date Gasoline Range Hydrocarbons (GRO) 102 20 06.26.2020 19:45 < 50.0 1000 1020 1180 15 118 70-130 mg/kg 06.26.2020 19:45 Diesel Range Organics (DRO) < 50.0 1000 993 99 1160 116 70-130 16 20 mg/kg

MB MB LCS LCS LCSD Limits Units LCSD Analysis Surrogate %Rec Flag %Rec Flag %Rec Flag Date 06.26.2020 19:45 1-Chlorooctane 114 123 128 70-130 % 06.26.2020 19:45 o-Terphenyl 119 114 126 70-130 %

SW8015P Analytical Method: TPH by SW8015 Mod Prep Method:

Seq Number: 3130347 Matrix: Solid Date Prep: 06.29.2020 LCS Sample Id: 7706403-1-BKS LCSD Sample Id: 7706403-1-BSD MB Sample Id: 7706403-1-BLK

LCS %RPD **RPD** Units MB Spike LCS Limits Analysis LCSD LCSD **Parameter** Flag Amount Result %Rec Limit Date Result Result %Rec Gasoline Range Hydrocarbons (GRO) 06.29.2020 18:59 20 < 50.0 1000 1080 108 1070 107 70-130 1 mg/kg 06.29.2020 18:59 Diesel Range Organics (DRO) < 50.0 1000 1100 110 1080 108 70-130 2 20 mg/kg

LCS LCSD MB MB LCS Limits Units **Analysis** LCSD Surrogate %Rec Flag %Rec Flag Flag Date %Rec 1-Chlorooctane 115 128 127 70-130 % 06.29.2020 18:59 06.29.2020 18:59 122 122 123 70-130 o-Terphenyl %

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P Seq Number: 3130172 Matrix: Solid Date Prep: 06.26.2020

< 50.0

MB Sample Id: 7706304-1-BLK

MB Units Analysis Flag **Parameter** Date Result 06.26.2020 19:43

MS/MSD Percent Recovery Relative Percent Difference LCS/LCSD Recovery Log Difference

Motor Oil Range Hydrocarbons (MRO)

[D] = 100*(C-A) / B $RPD = 200* \mid (C-E) \mid (C+E) \mid$ [D] = 100 * (C) / [B]Log Diff. = Log(Sample Duplicate) - Log(Original Sample) LCS = Laboratory Control Sample = Parent Result = MS/LCS Result = MSD/LCSD Result

MS = Matrix Spike B = Spike Added D = MSD/LCSD % Rec

mg/kg

Flag

Flag



QC Summary 665689

TRC Solutions, Inc

Gold Coast 26 Federal SWD #1

Analytical Method: TPH by SW8015 Mod

Seg Number: 3130170

Matrix: Solid

Prep Method: SW8015P

Date Prep: 06.26.2020

MB Sample Id: 7706306-1-BLK

Parameter Result

MB

Units Analysis
Date

06.26.2020 19:26

Analytical Method: TPH by SW8015 Mod

Seq Number: 3130347

Motor Oil Range Hydrocarbons (MRO)

Matrix: Solid

Prep Method: SW8015P

mg/kg

MB Sample Id: 7706403-1-BLK

Parameter

Motor Oil Range Hydrocarbons (MRO)

MB Result

< 50.0

Date Prep: 06.29.2020

Units

Analysis Date Flag

<50.0 mg/kg 06.29.2020 18:39

Analytical Method: TPH by SW8015 Mod

Seq Number: 3130172 Parent Sample Id: 665688-001 Prep Method: SW8015P

Date Prep: 06.26.2020 MSD Sample Id: 665688-001 SD

Spike **RPD** MS MS %RPD Units Parent MSD **MSD** Limits Analysis **Parameter** Result Result Limit Date Amount %Rec Result %Rec Gasoline Range Hydrocarbons (GRO) <49.9 997 830 20 06.26.2020 21:09 83 828 83 70-130 0 mg/kg Diesel Range Organics (DRO) <49.9 997 929 93 905 91 70-130 3 20 06.26.2020 21:09 mg/kg

665688-001 S

Matrix: Soil

MS Sample Id:

MS MS **MSD** Limits Units Analysis MSD **Surrogate** Flag Flag %Rec %Rec Date 06.26.2020 21:09 1-Chlorooctane 98 96 70-130 % o-Terphenyl 98 95 70-130 % 06.26.2020 21:09

Analytical Method: TPH by SW8015 Mod

Seq Number: 3130170 Parent Sample Id: 665480-014 Matrix: Soil MS Sample Id: 665480-014 S Prep Method: SW8015P Date Prep: 06.26.2020

Date Prep: 06.26.2020 MSD Sample Id: 665480-014 SD

%RPD RPD **Parent** Spike MS MS **MSD MSD** Limits Units Analysis **Parameter** Result Limit Date Result %Rec Amount Result %Rec Gasoline Range Hydrocarbons (GRO) 20 06.26.2020 20:42 < 50.0 1000 880 88 959 96 70-130 9 mg/kg 06.26.2020 20:42 853 931 70-130 9 Diesel Range Organics (DRO) < 50.0 1000 85 93 20 mg/kg

MS MS **MSD** Limits Units Analysis MSD **Surrogate** %Rec Flag %Rec Flag Date 06.26.2020 20:42 118 1-Chlorooctane 127 70-130 % 06.26.2020 20:42 o-Terphenyl 106 117 70-130 %

QC Summary 665689

TRC Solutions, Inc

Gold Coast 26 Federal SWD #1

Analytical Method: TPH by SW8015 Mod

3130347 Matrix: Soil

SW8015P Prep Method:

Date Prep: 06.29.2020

Parent Sample Id: 665689-001

MS Sample Id: 665689-001 S

MSD Sample Id: 665689-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	F
Gasoline Range Hydrocarbons (GRO)	<49.9	997	999	100	981	98	70-130	2	20	mg/kg	06.29.2020 19:56	
Diesel Range Organics (DRO)	<49.9	997	1020	102	992	99	70-130	3	20	mg/kg	06.29.2020 19:56	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	122		121		70-130	%	06.29.2020 19:56
o-Terphenyl	106		106		70-130	%	06.29.2020 19:56

Analytical Method: BTEX by EPA 8021B

3130459

Matrix: Solid

Prep Method:

SW5035A

Seq Number: MB Sample Id:

Seq Number:

7706528-1-BLK

LCS Sample Id:

7706528-1-BKS

Date Prep: LCSD Sample Id: 7706528-1-BSD

06.30.2020

RPD MB Spike LCS LCS Limits %RPD Units Analysis LCSD LCSD Flag **Parameter**

Result Amount Result %Rec Result %Rec Limit Date 06.30.2020 17:15 < 0.00200 0.100 0.120 120 0.105 70-130 13 35 Benzene 105 mg/kg 06.30.2020 17:15 Toluene < 0.00200 0.100 0.106 106 0.0932 93 70-130 13 35 mg/kg 06.30.2020 17:15 Ethylbenzene < 0.00200 0.100 0.0989 99 0.0871 87 70-130 13 35 mg/kg 06.30.2020 17:15 m,p-Xylenes < 0.00400 0.200 0.189 95 0.167 84 70-130 12 35 mg/kg 0.0843 70-130 06.30.2020 17:15 < 0.00200 0.100 0.0956 13 35 o-Xylene 96 84 mg/kg

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	106		100		98		70-130	%	06.30.2020 17:15
4-Bromofluorobenzene	96		94		87		70-130	%	06.30.2020 17:15

SW5035A Analytical Method: BTEX by EPA 8021B Prep Method: Seq Number: 3130664 Matrix: Solid Date Prep: 07.01.2020 LCSD Sample Id: 7706630-1-BSD MB Sample Id: 7706630-1-BLK LCS Sample Id: 7706630-1-BKS

RPD MB Spike LCS LCS LCSD LCSD Limits %RPD Units Analysis Flag **Parameter** Limit Result Date Result Amount %Rec %Rec Result 07.02.2020 04:15 < 0.00200 0.100 0.103 103 0.101 70-130 2 35 Benzene 101 mg/kg 07.02.2020 04:15 0.0995 70-130 2 35 Toluene < 0.00200 0.100 100 0.0973 97 mg/kg Ethylbenzene < 0.00200 0.100 0.103 103 0.100 100 70-130 3 35 07.02.2020 04:15 mg/kg 0.200 0.203 102 70-130 2 35 07.02.2020 04:15 m,p-Xylenes < 0.00400 0.198 mg/kg o-Xylene < 0.00200 0.100 0.105 105 0.102 102 70-130 3 35 07.02.2020 04:15 mg/kg

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	92		93		95		70-130	%	07.02.2020 04:15
4-Bromofluorobenzene	114		114		117		70-130	%	07.02.2020 04:15

E = MSD/LCSD Result

07.02.2020 09:35

4-Bromofluorobenzene

102

QC Summary 665689

TRC Solutions, Inc

Gold Coast 26 Federal SWD #1

99

70-130

Analytical Method:BTEX by EPA 8021BPrep Method:SW5035ASeq Number:3130648Matrix:SolidDate Prep:07.02.2020MB Sample Id:7706671-1-BLKLCS Sample Id:7706671-1-BKSLCSD Sample Id:7706671-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	< 0.00200	0.100	0.0933	93	0.0935	94	70-130	0	35	mg/kg	07.02.2020 09:35	
Toluene	< 0.00200	0.100	0.0896	90	0.0999	100	70-130	11	35	mg/kg	07.02.2020 09:35	
Ethylbenzene	< 0.00200	0.100	0.102	102	0.103	103	70-130	1	35	mg/kg	07.02.2020 09:35	
m,p-Xylenes	< 0.00400	0.200	0.204	102	0.207	104	70-130	1	35	mg/kg	07.02.2020 09:35	
o-Xylene	< 0.00200	0.100	0.102	102	0.104	104	70-130	2	35	mg/kg	07.02.2020 09:35	
Surrogate	MB %Rec	MB Flag			LCS Flag	LCSE			imits	Units	Analysis Date	
1,4-Difluorobenzene	102		9	7		99		70	-130	%	07.02.2020 09:35	

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

97

 Seq Number:
 3130459
 Matrix:
 Soil
 Date Prep:
 06.30.2020

 Parent Sample Id:
 665688-014
 MS Sample Id:
 665688-014 S
 MSD Sample Id:
 665688-014 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	< 0.00198	0.0992	0.130	131	0.158	160	70-130	19	35	mg/kg	06.30.2020 17:56	X
Toluene	< 0.00198	0.0992	0.114	115	0.134	135	70-130	16	35	mg/kg	06.30.2020 17:56	X
Ethylbenzene	< 0.00198	0.0992	0.105	106	0.123	124	70-130	16	35	mg/kg	06.30.2020 17:56	
m,p-Xylenes	< 0.00397	0.198	0.201	102	0.233	118	70-130	15	35	mg/kg	06.30.2020 17:56	
o-Xylene	< 0.00198	0.0992	0.101	102	0.117	118	70-130	15	35	mg/kg	06.30.2020 17:56	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	94		99		70-130	%	06.30.2020 17:56
4-Bromofluorobenzene	85		91		70-130	%	06.30.2020 17:56

Analytical Method:BTEX by EPA 8021BPrep Method:SW5035ASeq Number:3130664Matrix: SoilDate Prep:07.01.2020

Parent Sample Id: 665689-016 MS Sample Id: 665689-016 S MSD Sample Id: 665689-016 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date
_											
Benzene	< 0.00200	0.0998	0.0863	86	0.0894	90	70-130	4	35	mg/kg	07.02.2020 04:56
Toluene	< 0.00200	0.0998	0.0821	82	0.0858	86	70-130	4	35	mg/kg	07.02.2020 04:56
Ethylbenzene	< 0.00200	0.0998	0.0833	83	0.0872	87	70-130	5	35	mg/kg	07.02.2020 04:56
m,p-Xylenes	< 0.00399	0.200	0.163	82	0.171	86	70-130	5	35	mg/kg	07.02.2020 04:56
o-Xylene	< 0.00200	0.0998	0.0825	83	0.0863	86	70-130	5	35	mg/kg	07.02.2020 04:56

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		95		70-130	%	07.02.2020 04:56
4-Bromofluorobenzene	119		118		70-130	%	07.02.2020 04:56

MS/MSD Percent Recovery Relative Percent Difference LCS/LCSD Recovery Log Difference [D] = 100*(C-A) / BRPD = 200* | (C-E) / (C+E) |[D] = 100* (C) / [B]

Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample A = Parent Result

C = MS/LCS Result E = MSD/LCSD Result MS = Matrix Spike B = Spike Added D = MSD/LCSD % Rec Flag

07.02.2020 10:16

4-Bromofluorobenzene

QC Summary 665689

TRC Solutions, Inc

Gold Coast 26 Federal SWD #1

100

70-130

%

Analytical Method:BTEX by EPA 8021BPrep Method:SW5035ASeq Number:3130648Matrix:SoilDate Prep:07.02.2020

Parent Sample Id: 665976-001 MS Sample Id: 665976-001 S MSD Sample Id: 665976-001 SD

99

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	< 0.00200	0.100	0.0872	87	0.0872	87	70-130	0	35	mg/kg	07.02.2020 10:16	
Toluene	< 0.00200	0.100	0.0878	88	0.0791	79	70-130	10	35	mg/kg	07.02.2020 10:16	
Ethylbenzene	< 0.00200	0.100	0.0795	80	0.0764	76	70-130	4	35	mg/kg	07.02.2020 10:16	
m,p-Xylenes	< 0.00400	0.200	0.149	75	0.140	70	70-130	6	35	mg/kg	07.02.2020 10:16	
o-Xylene	< 0.00200	0.100	0.0875	88	0.0844	84	70-130	4	35	mg/kg	07.02.2020 10:16	
Surrogate			М %Б		MS Flag	MSD %Re		_	imits	Units	Analysis Date	
1,4-Difluorobenzene			9	7		98		70	-130	%	07.02.2020 10:16	



Chain of Custody

Work Order No: WOSLOGG

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334

Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296

ST Work Order Notes	Turn Around ANALYSIS REQUEST	Project Name: Gold Coast 26 Federal SWD #1	Project I
Deliverables: EDD ☐ ADaPT ☐ Other:	Email: Ike, Jared, Tania, Grubbs	ne: (432) 238-3003	Phone:
Reporting:Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	City, State ZIP:	City, State ZIP: Midland, TX 79705	City, Sta
State of Project:	Address:	ress: 10 Desta Dr. STE 150 E	Address:
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	Company Name: COG	Company Name: TRC	Compan
Work Order Comments	Bill to: (if different) Ike Tavarez	Project Manager: Jared Stoffel	Project I
-ozo-zooo) www.xeiico.coiii i ago i oi	(מוס־ישים (מוס־ישים אוויים) וויים וויים וויים וויים (מוס־ישים אווים) אווים וויים (מוס־ישים אווים) וויים וויים ויים וויים 1.0250.1		

Work Order Notes	Turn Around ANALYSIS REOLIEST	Gold Coast 26 Federal SWD #1	ame:
Deliverables: EDD ☐ ADaPT ☐ Other:	Email: Ike, Jared, Tania, Grubbs	(432) 238-3003	
Reporting:Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	City, State ZIP:	Midland, TX 79705	e ZIP:
State of Project:	Address:	10 Desta Dr. STE 150 E	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐ ☐	Company Name: COG	TRC	/ Name:
Work Order Comments	Bill to: (if different) lke Tavarez	Jared Stoffel	lanager:
(1-20-2000) www.xcrico.com (20 1-20)	remark miles one income in the trace and construction (110 trace) (allibration (110 trace))		

Sampler's Name: P.O. Number: Project Number:

Tania Babu

SAMPLE RECEIPT

Temp Blank

(res)

S

Wet Ice:

(es) No

Rush: Due Date:

Routine

囡

Thermometer ID

Sample Custody Seals:

Yes Yes

8 S

Correction Factor: Total Containers:

20

Number of Containers

8

Sample Identification

Matrix

Sampled

Sampled

Depth

TPH (8015)

BTEX (8021)

Chlorides (E300)

<u>-</u>

Date

Time

SB-1 @ 0-1'

SB-1 @ 2-3'

SB-1 @ 8-9'

SB-1 @ 6-7'

SB-2 @ 8-9' SB-2 @ 6-7' SB-2 @ 4-5' SB-2 @ 2-3' SB-2 @ 0-1'

ss

6/24/2020 6/24/2020

1220

8<u>-9</u>

<

SS

SS SS SS SS

6/24/2020 6/24/2020 6/24/2020 6/23/2020 6/23/2020 6/23/2020 6/23/2020 6/23/2020

1210 1205 1200 1050 1045 1040 1035 1030

> 8-9 6-7

2-3 45

×

×

€, ×

√- run deeper sample if

x- run analysis

previous is above

600 mg/kg

1215

6-7'

SB-1 @ 4-5'

SS SS SS

4-5' 2-3

SS

ooler Custody Seals:

Received Intact: emperature (°C):

Deliverables: EDD ADaPT Other:	Reporting:Level II Level III PST/UST TRRP Level IV	State of Project:	Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	Work Order Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U 1631 / 245.1 / 7470 / 7471: Hg office: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.
--

Relinquished by: (Signature) Received by: (Signature) ⊋ate/Time Relinquished by: (Signature) Received by: (Signature) Revised Date 051418 Rev. 2018.1 Date/Time

Sample Comments

TAT starts the day recevied by the lab, if received by 4:30pm

XIII

Chain of Custody

Work Order No: LASSOS

Houston, TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio, TX (210) 509-3334 Midland, TX (432-704-5440) EL Paso, TX (915)585-3443 Lubbock, TX (806)794-1296 (575-392-7550) Phoenix, AZ (480-355-0900) Atlanta GA (770-449-8800) Tampa FL (81:

Revised Date 051418 Rev. 2018.1				ŀ						
	6									
	2			+			7		D	No.
Received by: (Signature) Date/Time	Relinquished by: (Signature)	ïme	Date/Time		ature)	ed by: (Signature)	Reckiyed) (6	by: (Signature	Relinquished by: (Signature)
assigns standard terms and conditions due to circumstances beyond the control order unless previously negotiated.	ice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions ervice. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the contro service. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	nto Xenco, its enses incurred aco, but not an	nt company ses or expe litted to Xer	r from clie or any los mple subm	i purchase orde y responsibility i f \$5 for each sa	stitutes a valic ot assume any nd a charge o	f samples consiles and shall no each project a	elinquishment one cost of samp will be applied to	is document and rube liable only for the charge of \$75.00 w	ice: Signature of th ervice. Xenco will enco. A minimum
3 TI U 1631 / 245.1 / 7470 / 7471 : Hg	Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U	Sb As Ba Be C	Sb As	8RCRA	TCLP / SPLP 6010:	TCLP / S	nalyzed	II(s) to be ar	Circle Method(s) and Metal(s) to be analyzed	Circle Metho
K Se Ag SiC	Cd Ca Cr Co Cu Fe Pb Mg Mn I	Ва Ве В	Al Sb As		PM Texas 11	8RCRA 13PPM	8R	200.8 / 6020:	6010 200.	Total 200.7 / 6010
		\ \ \		10	8-9'	1230	6/23/2020	ss	SB-4 @ 8-9'	SB-4
		×		9	6-7'	1225	6/23/2020	SS	SB-4 @ 6-7'	SB-4
		×		<u>∞</u>	4-5'	1220	6/23/2020	ss	SB-4 @ 4-5'	SB-4
		×		7	2-3'	1215	6/23/2020	SS	SB-4 @ 2-3'	SB-4
600 mg/kg		×	×	6	0-1'	1210	6/23/2020	SS	SB-4 @ 0-1'	SB-4
previous is above		<		5	8-9	1200	6/23/2020	SS	SB-3 @ 8-9'	SB-3
d rip dopper cample if		<		4	6-7'	1155	6/23/2020	SS	SB-3 @ 6-7'	SB-3
x- run analysis		×		ω	4-5'	1150	6/23/2020	SS	SB-3 @ 4-5'	SB-3
		×		2	2-3'	1145	6/23/2020	SS	SB-3 @ 2-3'	SB-3
		×	×		0-1'	1140	6/23/2020	ss	SB-3 @ 0-1'	SB-3
Sample Comments		BTEX (TPH (80	Numbe	Depth	Time Sampled	Date Sampled	Matrix	Sample Identification	Sample Id
lab, if received by 4:30pm				er o	S.	Total Containers:	Tota	No NE	eals: Yes	nple Custody Seals:
TAT starts the day recevied by the				l f Co	ă	Correction Factor:	Com	No CNIA	als: Yes	pler Custody Seals:
		0)		onta					E	selved Intact:
				iner	er ID	Thermometer ID	(CF	₹ -	nperature (°C):
2					e: Yes No	Wet Ice:	Yes/No)	emp Blank:	EIPT	AMPLE RECEIPT
					Due Date:	Due			Tania Babu	npler's Name:
			- Secretary		sh:	Rush:). Number:
					Routine 🔀	Rou				ject Number:
Work Order Notes	ANALYSIS REQUEST				Turn Around		SWD #1	26 Federal	Gold Coast 26 Federal SWD #1	ject Name:
ss: EDD ADaPT Other:	Deliverables: EDD		Grubbs	, Tania,	il: Ike, Jared,	Email:		003	(432) 238-3003	ine:
Reporting:Level II	Reporting:		. 150-15-16-16-16-16-16-16-16-16-16-16-16-16-16-	ZIP:	City, State ZIP			79705	Midland, TX 79705	, State ZIP:
State of Project:	State of				Address:			STE 150 E	10 Desta Dr. STE 150 E	lress:
Program: UST/PST ☐ PRP ☐ Brownfields ☐RRC ☐ Superfund ☐	Program:		cog	Vame:	Company Name:				TRC	npany Name:
Work Order Comments		lrez	lke Tavarez	erent)	Bill to: (if different)				Jared Stoffel	ject Manager:
www.xenco.com Page 2 of 8	Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)) Atlanta,GA	-355-0900	x,AZ (480	-7550) Phoeni	VM (575-392	Hobbs,			



Chain of Custody

	コこうこ		Houston	TY (281) 240_420(TallacT	Y /314\ Q	Dallas TX (214) 902-0300 San Antonio	A-Annin TY /240) ENG-2224	Work Order No:	
ge 20	CABORATORIES		Midlan	Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)	0) EL Pas	o,TX (919	5)585-3443	Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296		·
Jord Manager	lared Stoffel	Ho	bbs,NM (575-392	-7550) Phoenix,AZ	(480-355	-0900) A	tlanta,GA (7	Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)	WW	je o or o
	TRC			Company Name:	•	cog		Proc	Program: UST/PST PRP Brownfields RRC Superfund	RRC Sunerfund
	10 Desta Dr. STE 150	150 E		Address:				8	State of Project:	[
City, State ZIP:	Midland, TX 79705			City, State ZIP:	••			Rep	Reporting:Level II Level III PST/UST	☐RRP ☐Level IV ☐
	(432) 238-3003		Email:	lke, Jared,	nia.	Grubbs		Deli	Deliverables: EDD ☐ ADaPT ☐	Other:
Project Name:	Gold Coast 26 Federal SWD #1	eral SWD#:		Turn Around				ANALYSIS REQUEST		Work Order Notes
er:			Ro	Routine 🔼		_				
P.O. Number:			Rush:							
me:	Tania Babu		Du	Due Date:						
SAMPLE RECEIPT	PTTemp Blank:	Yes	(No) Wet Ice:	e: (Yey) No) 					
Temperature (°C);	P/11 P	5	Ther		iners					
Cooler Custody Seals:	Yes No	/A	Correction Easter		ont		00)			
Sample Custody Seals:	; Yes No		Total Containers:	S.			s (E3		TAT sta	TAT starts the day recevied by the lab, if received by 4:30pm
Sample Identification		Matrix Date Sampled	e Time led Sampled	Depth	Numbe	BTEX (8	Chloride		s,	Sample Comments
SB-5 @ 0-1	0-1' ss	6/23/2020	020 1240	0-1'			×			
SB-5@	@ 2-3' ss	6/23/2020		2-3'			×			
SB-5 @ 4-5'	4-5' ss	6/23/2020	020 1250	4-5'			×			
SB-5 @ 6-7	6-7' ss	6/23/2020	020 1255	6-7'	_		×			x- run analysis
SB-5 @ 8-9'	8-9' ss	6/23/2020	020 1300	8-9'	_		×		1	run deener sample if
SB-5 @ 14-15	4-15' ss	6/23/2020	020 1305	14-15'			<		<	previous is above
SB-5 @ 19-20	9-20' ss	6/23/2020	020 1310	19-20'	_		<			600 mg/kg
SB-6 @ 0-1'	0-1' ss	6/23/2020	020 1100	0-1'	1	×	×			
SB-6 @ 2-3'	2-3' ss	6/23/2020	020 1105	2-3'	-		×			
SB-6 @ 4-5	4-5' ss	6/23/2020	020 1110	4-5'	1		×			
1:23: Total 200.7 / 6010 Circle Method(s) a	otal 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed	0: be analyzed	8RCRA 13F TCLP/S	RA 13PPM Texas 11 AITCLP / SPLP 6010: 8RCRA	1 (0.11	3b As Ba Sb As B	Be E a Be	3 Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U	K Se Ag SiC)2 Na Sr Ti Sn U V Zn 1631 / 245.1 / 7470 / 7471 : Hg
Notice: Signature of this d of service. Xenco will be l of Xenco. A minimum cha	locument and relinquish liable only for the cost of rrge of \$75.00 will be app	nent of samples samples and sh lied to each proj	constitutes a valid	l purchase order froi / responsibility for a f \$5 for each sample	m client cor ny losses o submitted	mpany to i	Xenco, its aff is incurred by but not anal	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$76.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	ss previously negotiated.	
	: (Signature)) Receipt	Received by: (Signature)	ature)	D,	Date/Time	0	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
CD: Year W		N N					2			

Revised Date 051418 Rev. 2018.1

Page 204 of 456



Chain of Custody

ıg:Level II ☐Level III ☐PST/UST ☐RRP ☐Level IV ☐	City, State ZIP: Reporting:Level		dland, TX 79705
State of Project:		Desta Dr. STE 150 E Address:	Desta Dr. S
Program: UST/PST ☐ PRP ☐ Brownfields ☐RRC ☐ Superfund [Company Name: COG Program	Comp	r
Work Order Comments	Bill to: (if different) lke Tavarez		red Stoffel
) www.xenco.com Page T of 0	Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)	Hobbs,NM (575-392-7550) PF	
-	Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296		T P C T I M
•	Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334		בכככ
Work Order No: USSUCA	Chain of Custody		;)
ー・・・う			

anager:	Jared Stoffel	Bill to: (if different) Ike Tavarez	lke Tavarez	Work Order Comments
Name:	TRC	Company Name: COG	coe	Program: UST/PST PRP Brownfields RRC Superfund
	10 Desta Dr. STE 150 E	Address:		State of Project:
a ZIP:	Midland, TX 79705	City, State ZIP:		Reporting:Level II Level III PST/UST TRRP Level IV
	(432) 238-3003	Email: Ike, Jared, Tania, Grubbs	ı, Grubbs	☐ Deliverables: EDD ☐ ADaPT ☐ Other:
more of experience and an experience				

Stoffel	Bill to: (if different) lke Tavarez	Work Order Comments
	Company Name: COG	Program: UST/PST PRP Brownfields RRC Superfund
sta Dr. STE 150 E	Address:	State of Project:
nd, TX 79705	City, State ZIP:	Reporting:Level II Level III PST/UST TRRP Level IV
238-3003	Email: Ike, Jared, Tania, Grubbs	Deliverables: EDD ☐ ADaPT ☐ Other:

Name: Good Coast 20 Federal SVVD #	rederal S	WU #1	_ Tu	Turn Around					ANALYSIS REQUEST	Work Order Notes
Number:			Routine	ne ⊠						
mber:			Rush:	•						
's Name: Tania Babu			Due Date)ate:						
PLE RECEIPT 7 m	emp Blank:	Yes No	Wet Ice:	(Yes) No						
ature (°C): つり	d, 5	\sim 1	⊺hermometer ID	D	ners					
ed Infact. Yes No	No.				ntai	200				
⊃ustody Seals: Yes No) N/A	Corre	Correction Factor:		Co			300)		
Custody Seals: Yes No	N/A	Total	Total Containers:		r of	15)	021)	s (E		lab, if received by 4:30pm
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Numbe	TPH (80	BTEX (8	Chloride		Sample Comments
SB-6 @ 6-7'	SS	6/23/2020	1115	6-7'	1			×		
SB-6 @ 8-9'	SS	6/23/2020	1120	8-9'	1			×		
SB-6 @ 14-15'	SS	6/23/2020	1125	14-15'	_			×		
SB-6 @ 19-20'	SS	6/23/2020	1130	19-20'	1			۷		x- run analysis
SB-7 @ 0-1'	SS	6/23/2020	1420	0-1'	1	×	×	×		
SB-7 @ 2-3'	SS	6/23/2020	1425	2-3'	_			×		v- run deeper sample if
SB-7 @ 4-5'	SS	6/23/2020	1430	4-5'	1			×		600 mg/kg
SB-7 @ 6-7'	SS	6/23/2020	1435	6-7'	_			×		
SB-7 @ 8-9'	SS	6/23/2020	1440	8-9'	1			Λ		
SB-8 @ 0-1'	ss	6/23/2020	1350	0-1'	1	×	×	×		
al 200.7 / 6010 200.8 / 6020:	3020 :	8R(8RCRA 13PPM	M Texas 11	≥ (0	Al Sb As Ba	Ba	Ве В	Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag	Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
rcle Method(s) and Metal(s) to be analyzed	to be ana	lyzed	TCLP / SPI	TCLP / SPLP 6010: 8RCRA		Sb As Ba Be	s Ba		Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U	1631 / 245.1 / 7470 / 7471 : Hg
gnature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assign	uishment of s	amples const	itutes a valid pr	ırchase order fro	m client	compa	ny to Xe	nco, its	s and subcontractors. It assigns standard terms and conditions	
A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco. but not analyzed. These forms will be approved.	st of samples	and shall not ach proiect an	t assume any re d a charge of \$1	sponsibility for a	ny losse	sorex	penses	incurre	a. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstance support the control. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These forms will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These forms will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These forms will be applied to each project and a charge of \$5 for each sample submitted to Xenco.	_

Released to Imaging: 3/30/2022 11:15:24 AM

Relinquished by: (Signature)

Rece/ved by: (Signature)

Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Revised Date 051418 Rev. 2018.1



Company Name:

공

Address:

10 Desta Dr. STE 150 E

Address: Company Name: Bill to: (if different)

> COG lke Tavarez

Program: UST/PST ☐ PRP ☐ Brownfields ☐RRC ☐ Superfund ☐

Work Order Comments

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Page

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State of Project:

Chain of Custody

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334 Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296

Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)

Work Order No: LOUSLOEG

Revised Date 051418 Rev. 2018.1										
		6								5
		4								3
		2							\\ \ \	1 Xann By
gnature) Date/Time	ure) Received by: (Signature)	Relinquished by: (Signature)	ime	Date/Time	е)	Received by: (Signature)	Received t	1	y: (Signature)	Relinquished by: (Signature)
	worder. Signature of this document and reiniquisiment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors, it assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	of service. Xenco will be liable only for the cost of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	to Xenco, its nses incurred ico, but not a	lient company losses or expe	chase order from consibility for any or each sample su	tutes a valid pure assume any respirations of \$5 f	les and shall not each project and	e cost of samp	s document and re be liable only for th charge of \$75.00 w	of service. Xenco will lof Xenco. A minimum
1631 / 245.1 / 7470 / 7471 : Hg	/in Mo Ni Se Ag II U	Cd Cr Co Cu Pb Mn Mo	SD AS BA BE	VA SD AS	ICLP / SPLP BOTO: SKCKA	ו כבד / אדבו	ialyzeo	(s) to be at	circie metrod(s) and metal(s) to be analyzed	Circle Metho
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			×	×	0-1'	0900	6/24/2020	ss	@ 0-1'	SB-10 @ 0-1
			<	_	8-9'	1340	6/23/2020	SS	@ 8-9'	SB-9 @ 8-9
			×		6-7'	1335	6/23/2020	SS	@ 6-7'	SB-9 @ 6-7'
600 mg/kg			×		4-51	1330	6/23/2020	SS	@ 4-5'	SB-9 @ 4-5
previous is above			×		2-3'	1325	6/23/2020	SS	@ 2-3'	SB-9 @ 2-3
			×	×	0-1'	1320	6/23/2020	SS	® 0-1'	SB-9 @ 0-1
x- run analysis			<	-	8-9'	1410	6/23/2020	SS	@ 8-9 [']	SB-8 @ 8-9
			×		6-7'	1405	6/23/2020	SS	@ 6-7'	SB-8 @ 6-7
			×	_	4-51	1400	6/23/2020	SS	@ 4-5'	SB-8 @ 4-5'
			×		2-3'	1355	6/23/2020	SS	@ 2-3'	SB-8 @ 2-3'
Sample Comments			BTEX (8	TPH (80	Depth Number	Time Sampled	Date Sampled	Matrix	entification	Sample Identification
lab, if received by 4:30pm				15)		Total Containers:	Total	No N/A	als: Yes	Sample Custody Seals
TAT starts the day received by the						Correction Factor:	Correc	No N/A	als: Yes	Cooler Custody Seals:
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				ırıer		Thermometer ID	T		P.	Temperature (°C):
				8	(Yès No	Wet Ice:	Yes (No)	emp Blank:	EIPT	SAMPLE RECEIPT
					ate:	Due Date:			Tania Babu	Sampler's Name:
						Rush:				P.O. Number:
					X	Routine				Project Number:
Work Order Notes	SI	ANALYSIS REQUEST			Turn Around	Turn	SWD #1	26 Federal	Gold Coast 26 Federal SWD #1	Project Name:
ADaPT Other:	Deliverables: EDD			ia, Grubbs	Email: Ike, Jared, Tania, Grubbs	Email:	H8000.2)03	(432) 238-3003	Phone:
Reporting:Level III Level III LPST/UST DRRP Level IV	Reporting:Level II Level III				City, State ZIP:	6		79705	Midland, TX 79705	City, State ZIP:

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Chain of Custody

Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334

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Work Order Comments

SB-12 @ 0-1' SS 6/24/2020 1000 0-1' 1 X X X X TOTAL 200.7 / 6010 200.8 / 6020: SRCRA 13PPM Texas 11 AI Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag Strictle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: SRCRA Sb Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag Strictle Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature) Received by: (Signature) Pagesived by: (Signature) Pagesived by: (Signature) Pagesived by: (Signature) Received by: (Signature) Receiv Phone: Project Manager: City, State ZIP: Company Name: Sample Custody Seals: Sampler's Name: P.O. Number: Project Name: Project Number emperature (°C): SAMPLE RECEIPT ooler Custody Seals: eceived intact Sample Identification SB-11 @ 6-7' SB-11 @ 8-9' SB-11 @ 4-5' SB-11 @ 0-1' SB-10 @ 2-3' SB-11 @ 2-3' SB-10 @ 6-7' SB-10 @ 4-5' Tania Babu TRC Jared Stoffel Gold Coast 26 Federal SWD #1 Midland, TX 79705 432) 238-3003 10 Desta Dr. STE 150 E Yes Yes 8 S emp Blank: SS SS SS SS SS SS SS Matrix ð N. N N U 6/24/2020 6/24/2020 6/24/2020 6/24/2020 6/24/2020 6/24/2020 6/24/2020 Yes 6/24/2020 Sampled Date Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000) Correction Factor: S S Total Containers: I hermometer ID Sampled 0910 0945 0940 0935 0915 *0*905 *t*930 0925 Time Wet Ice: Email: Ike, Jared, Tania, Grubbs Due Date: Rush Routine Turn Around Bill to: (if different) Company Name: City, State ZIP: Address: (Yes) No Depth 6-7 2-3<u>.</u> 8-9' 2-3 2 6<u>-</u>7 4-5 4-5 X **Number of Containers** ke Tavarez TPH (8015) × BTEX (8021) Chlorides (E300) < < × ANALYSIS REQUEST Deliverables: EDD Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐ Received by: (Signature)

	Work Order No:
1	<u>ب</u>
	9
	2
	6
	8

Date/Time

Revised Date 051418 Rev. 2018.

SiO2 Na Sr Tl Sn U V Zn

v- run deeper sample if

x- run analysis

previous is above

1631 / 245.1 / 7470 / 7471 : Hg

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

Work Order Notes

ADaPT

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Chain of Custody

Work Order No: 101051089

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296
IM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-6

			Hobbs,NM	Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000))) Phoenix,AZ	(480-35	55-0900	Atlanta	GA (770	-449-88	DO) Tan	pa.FL (8	13-620-2	000)		WWW.	www.xenco.com	mas	Page		4	으	OD.
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one: (4	(432) 238-3003			Email: Ik	Email: Ike, Jared, Tania, Grubbs	ania, G	rubbs						Deli	Deliverables: EDD	s: EDC		_	ADaPT 🗆		Other:	J 55		
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ne:	Tania Babu			Due Date:	ře:			<u> </u>															
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Revised Date 051418 Rev. 2018.1

Received by OCD: 10/28/2021 1:23:29 PM

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Chain of Custody

Work Order No: UUSUS

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334 Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296 (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-

STE 150 E Address: Revised Date 051418 Rev. 2018.1	6									
Company Name: COG		4 2								
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Company Name COG			×			1135	6/24/2020	SS	@ 2-3'	SB-Road @ 2-3
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Company Name: COG			<		_	1120	6/24/2020	SS	19-20'	SB-14 @ 19-20
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Company Name: COG COG		-			ate:	Due D			Tania Babu	pler's Name:
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esta Dr. STE 150 E Address: COG					City, State ZIP:			79705	Midland, TX 7	State ZIP:
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d Stoffel Bill to: (if different) Ike Tavarez Work Order Comments			avarez	lke Ta	3ill to: (if different)				Jared Stoffel	ct Manager:

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: TRC Solutions, Inc

Acceptable Temperature Range: 0 - 6 degC

Date/ Time Received: 06.26.2020 11.03.00 AM

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Work Order #: 665689 Temperature Measuring device used : IR-8

	Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?		2.3	
#2 *Shipping container in good condition?		Yes	
#3 *Samples received on ice?		Yes	
#4 *Custody Seals intact on shipping contain	ner/ cooler?	N/A	
#5 Custody Seals intact on sample bottles?		N/A	
#6*Custody Seals Signed and dated?		N/A	
#7 *Chain of Custody present?		Yes	
#8 Any missing/extra samples?		No	
#9 Chain of Custody signed when relinquish	ned/ received?	Yes	
#10 Chain of Custody agrees with sample la	abels/matrix?	Yes	
#11 Container label(s) legible and intact?		Yes	
#12 Samples in proper container/ bottle?		Yes	BTEX was in bulk container
#13 Samples properly preserved?		Yes	
#14 Sample container(s) intact?		Yes	
#15 Sufficient sample amount for indicated	test(s)?	Yes	
#16 All samples received within hold time?		Yes	
#17 Subcontract of sample(s)?		N/A	
#18 Water VOC samples have zero headsp	ace?	N/A	

^{*} Must be completed for after-hours delivery of samples prior to placing in the refrigerator

Analyst:		PH Device/Lot#:		
	Checklist completed by:	Bridge Tol	Date: <u>06.26.2020</u>	
	Checklist reviewed by:	Jessica Vramer Jessica Kramer	Date: <u>06.26.2020</u>	



Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Carlsbad 1089 N Canal St. Carlsbad, NM 88220 Tel: (575)988-3199

Laboratory Job ID: 890-1011-1

Laboratory Sample Delivery Group: Jal NM Client Project/Site: COG- GoldCoast

For:

TRC Solutions, Inc. 2057 Commerce Drive Midland, Texas 79703

Attn: Jared Stoffel

MAMER

Authorized for release by: 7/28/2021 9:01:51 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

····· Links ·····

Review your project results through

Have a Question?



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www.eurofinsus.com/Env

Released to Imaging: 3/30/2022 11:15:24 AM

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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TS

Client: TRC Solutions, Inc.

Laboratory Job ID: 890-1011-1

Project/Site: COG- GoldCoast

SDG: Jal NM

Table of Contents

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QC Sample Results	6
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Lab Chronicle	8
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Method Summary	10
Sample Summary	11
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Receipt Chacklists	13

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Definitions/Glossary

Client: TRC Solutions, Inc.

Job ID: 890-1011-1

Project/Site: COG- GoldCoast

SDG: Jal NM

Qualifiers

HPLC/IC

Qualifier Description

U Indicates the analyte was analyzed for but not detected.

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

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Eurofins Xenco, Carlsbad

Case Narrative

Client: TRC Solutions, Inc.

Job ID: 890-1011-1

Project/Site: COG- GoldCoast

SDG: Jal NM

Job ID: 890-1011-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-1011-1

Receipt

The samples were received on 7/27/2021 12:08 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 2.0°C

HPLC/IC

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

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Client Sample ID: OVERBURDEN-1

Job ID: 890-1011-1

SDG: Jal NM

Project/Site: COG- GoldCoast

Client: TRC Solutions, Inc.

Lab Sample ID: 890-1011-1

Matrix: Solid

Matrix: Solid

Matrix: Solid

Matrix: Solid

Date Collected: 07/27/21 11:05 Date Received: 07/27/21 12:08

Method: 300.0 - Anions, Ion Chromatography - SolubleAnalyteResult ChlorideQualifierRL MDL mit mg/KgD Prepared mg/KgAnalyzed Prepared Malyzed Mg/KgDil Fac Drive Mg/Kg

Client Sample ID: OVERBURDEN-2 Lab Sample ID: 890-1011-2

Date Collected: 07/27/21 11:15 Date Received: 07/27/21 12:08

Method: 300.0 - Anions, Ion Chromatography - SolubleAnalyteResultQualifierRLMDLUnitDPreparedAnalyzedDil FacChloride9.655.02mg/Kg07/28/21 16:491

Client Sample ID: OVERBURDEN-3 Lab Sample ID: 890-1011-3

Date Collected: 07/27/21 11:25 Date Received: 07/27/21 12:08

Method: 300.0 - Anions, Ion Chromatography - SolubleAnalyteResultQualifierRLMDLUnitDPreparedAnalyzedDil FacChloride28.34.96mg/Kg07/28/21 16:551

Client Sample ID: OVERBURDEN-4 Lab Sample ID: 890-1011-4

Date Collected: 07/27/21 11:35

Date Received: 07/27/21 12:08

Method: 300.0 - Anions, Ion Chromatography - SolubleAnalyteResultQualifierRLMDLUnitDPreparedAnalyzedDil FacChloride<5.00</td>U5.00mg/Kg07/28/21 17:001

Client: TRC Solutions, Inc. Project/Site: COG- GoldCoast

Job ID: 890-1011-1

SDG: Jal NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-5693/1-A

Matrix: Solid

Analysis Batch: 5763

Client Sample ID: Method Blank **Prep Type: Soluble**

мв мв MDL Unit Analyte Result Qualifier RL D Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 mg/Kg 07/28/21 15:27

Lab Sample ID: LCS 880-5693/2-A Client Sample ID: Lab Control Sample **Matrix: Solid**

Prep Type: Soluble

Analysis Batch: 5763

Spike LCS LCS %Rec. Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 257.4 mg/Kg 103 90 - 110

Lab Sample ID: LCSD 880-5693/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid Prep Type: Soluble

Analysis Batch: 5763

LCSD LCSD %Rec. RPD Spike Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Chloride 250 258.2 20 mg/Kg 103 90 - 110

Lab Sample ID: 890-1011-4 MS Client Sample ID: OVERBURDEN-4 **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 5763

MS MS Sample Sample Spike %Rec. Analyte Result Qualifier Added Result Qualifier %Rec Unit Limits 260.9 Chloride <5.00 250 103 90 - 110 mg/Kg

Lab Sample ID: 890-1011-4 MSD

Matrix: Solid

Analysis Batch: 5763

Sample Sample Spike MSD MSD %Rec. RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride <5.00 U 250 261.0 mg/Kg 103 90 - 110 0 20

Eurofins Xenco, Carlsbad

Client Sample ID: OVERBURDEN-4

Prep Type: Soluble

QC Association Summary

Client: TRC Solutions, Inc.

Project/Site: COG- GoldCoast

SDG: Jal NM

HPLC/IC

Leach Batch: 5693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1011-1	OVERBURDEN-1	Soluble	Solid	DI Leach	
890-1011-2	OVERBURDEN-2	Soluble	Solid	DI Leach	
890-1011-3	OVERBURDEN-3	Soluble	Solid	DI Leach	
890-1011-4	OVERBURDEN-4	Soluble	Solid	DI Leach	
MB 880-5693/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-5693/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-5693/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1011-4 MS	OVERBURDEN-4	Soluble	Solid	DI Leach	
890-1011-4 MSD	OVERBURDEN-4	Soluble	Solid	DI Leach	

Analysis Batch: 5763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1011-1	OVERBURDEN-1	Soluble	Solid	300.0	5693
890-1011-2	OVERBURDEN-2	Soluble	Solid	300.0	5693
890-1011-3	OVERBURDEN-3	Soluble	Solid	300.0	5693
890-1011-4	OVERBURDEN-4	Soluble	Solid	300.0	5693
MB 880-5693/1-A	Method Blank	Soluble	Solid	300.0	5693
LCS 880-5693/2-A	Lab Control Sample	Soluble	Solid	300.0	5693
LCSD 880-5693/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	5693
890-1011-4 MS	OVERBURDEN-4	Soluble	Solid	300.0	5693
890-1011-4 MSD	OVERBURDEN-4	Soluble	Solid	300.0	5693

Eurofins Xenco, Carlsbad

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Client: TRC Solutions, Inc. Project/Site: COG- GoldCoast Job ID: 890-1011-1

SDG: Jal NM

Client Sample ID: OVERBURDEN-1

Date Collected: 07/27/21 11:05 Date Received: 07/27/21 12:08

Lab Sample ID: 890-1011-1

Matrix: Solid

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	5693	07/28/21 10:03	SC	XEN MID
Soluble	Analysis	300.0		1			5763	07/28/21 16:44	SC	XEN MID

Client Sample ID: OVERBURDEN-2 Lab Sample ID: 890-1011-2 **Matrix: Solid**

Date Collected: 07/27/21 11:15 Date Received: 07/27/21 12:08

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	5693	07/28/21 10:03	SC	XEN MID
Soluble	Analysis	300.0		1			5763	07/28/21 16:49	SC	XEN MID

Client Sample ID: OVERBURDEN-3 Lab Sample ID: 890-1011-3

Date Collected: 07/27/21 11:25

Date Received: 07/27/21 12:08

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	5693	07/28/21 10:03	SC	XEN MID
Soluble	Analysis	300.0		1			5763	07/28/21 16:55	SC	XEN MID

Client Sample ID: OVERBURDEN-4 Lab Sample ID: 890-1011-4

Date Collected: 07/27/21 11:35

Date Received: 07/27/21 12:08

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	5693	07/28/21 10:03	SC	XEN MID
Soluble	Analysis	300.0		1			5763	07/28/21 17:00	SC	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Carlsbad

Accreditation/Certification Summary

Client: TRC Solutions, Inc.

Project/Site: COG- GoldCoast

SDG: Jal NM

Laboratory: Eurofins Xenco, Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-22

UJ 430

Eurofins Xenco, Carlsbad

Method Summary

Client: TRC Solutions, Inc. Project/Site: COG- GoldCoast

Job ID: 890-1011-1

SDG: Jal NM

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Sample Summary

Client: TRC Solutions, Inc. Project/Site: COG- GoldCoast Job ID: 890-1011-1

SDG: Jal NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-1011-1	OVERBURDEN-1	Solid	07/27/21 11:05	07/27/21 12:08
890-1011-2	OVERBURDEN-2	Solid	07/27/21 11:15	07/27/21 12:08
890-1011-3	OVERBURDEN-3	Solid	07/27/21 11:25	07/27/21 12:08
890-1011-4	OVERBURDEN-4	Solid	07/27/21 11:35	07/27/21 12:08

Stafford, Fexas (281-240-4200)	San Antonio,	San Antonio, Texas (210-509-3334)	34)		Arizona (460-355-0500)	eu)	
Dailas Texas (214-902-0300)	Midland, Tex	Midland, Texas (432-704-5251)					
		WW	www.rained.com		Xenco Quote #	Xenco	Xenco Job #
Client / Deporting Information		Project Information	mation		Oliver and the second		
Company Name / Branch:	Project Name/N	umber:				_	W=Water
TRC Environmental Corporation	COG-GoldCoast	ast			_	_	S = Soil/Sed/Soild GW = Ground Water
Company Address:	Project Location	7.					DW = Drinking Water
10 Desta Dr. Suite 130E Midland, TX 79705	Jai NM					_	P = Product
Email: (860)/(19@(1920)11)2(1)95 (20]] Phone No:	invoice To:	COC Its Taylors					SW = Surface water SL = Sludge OW =Ocean/Sea Water
Project Contact:							Wi = Wipe
Jared Stoffel	Invoice:						MW Water Water
Samplers's Name: Russell Sebring							A = Air
	Collection		Number of	sappod paviesami jo	es		A = A =
No. Field ID / Point of Collection Sa	Sample		# Q	103 2504 10H 11504	Chlorid		
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9		s		-			
10		v					
Turnaround Time (Business days)		D	Data Deliverable Information	Ď		Notes:	
Same Day TAI 24 HM SDay TAT		Level II Std QC	80	Level IV (Full Data Pkg /raw data)	Pkg /raw data)		
Next Day EMERGENCY 7 Day TAT		Level III Std QC+ Forms	QC+ Forms	TRRP Level IV			
2 Day EMERGENCY Contract TAT		Level 3 (CLP Forms)	P Forms)	UST / RG -411			
3 Day EMERGENCY		TRRP Checklist	Klist				
TAT Starts Day received by Lab, if received by 5:00 pm	ם					FED-EX / UPS: Tracking #	S: Tracking #
Relinguight by Sampler. Date	COMENTEL		Relinquished By: D	Relinquished By:	Date Time:		Received By:
Relinquished by: Date	Date Time:	Received By:		Relinquished By:	Date Time:		Received By:
8		S		4			
Relinquished by:	Date Time:	Received By:		Custody Seal #	Preserved where applicable	olicable	On lee Cooler Jemp. Thermo. Corr. Factor
Notice. Notice. Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms	a valid purchase order fro	om client company to Xer	nco, its affiliates and subco	intractors. It assigns stand	ard terms and conditions	of service. Xenco will be li	and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-1011-1

SDG Number: Jal NM

List Source: Eurofins Xenco, Carlsbad

Login Number: 1011 List Number: 1 Creator: Clifton, Cloe

Question	Answer	Comment
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.	True	
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?	True	
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	

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<6mm (1/4").

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-1011-1

SDG Number: Jal NM

List Source: Eurofins Xenco, Midland

List Creation: 07/28/21 10:56 AM

Login Number: 1011 List Number: 2 Creator: Lowe, Katie

Question	Answer	Comment
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.	True	
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?	True	
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	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	True	

<6mm (1/4").



Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Carlsbad 1089 N Canal St. Carlsbad, NM 88220 Tel: (575)988-3199

Laboratory Job ID: 890-1012-1 Client Project/Site: COG- GoldCoast

For:

TRC Solutions, Inc. 2057 Commerce Drive Midland, Texas 79703

Attn: Jared Stoffel

WRAMER

Authorized for release by: 7/28/2021 9:02:48 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

LINKS

Review your project results through

Have a Question?



Visit us at:

www.eurofinsus.com/Env

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Laboratory Job ID: 890-1012-1

Client: TRC Solutions, Inc. Project/Site: COG- GoldCoast

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Definitions/Glossary

Client: TRC Solutions, Inc. Job ID: 890-1012-1

Project/Site: COG- GoldCoast

Qualifiers

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Most Probable Number

Not Calculated

Negative / Absent

Positive / Present

Presumptive

Quality Control

Method Quantitation Limit

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Not Detected at the reporting limit (or MDL or EDL if shown)

Glossary

MPN

MQL

NC

ND NEG

POS

PQL

QC

RER

RL RPD

TEF

TEQ

TNTC

PRES

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)

Eurofins Xenco, Carlsbad

Case Narrative

Client: TRC Solutions, Inc.

Project/Site: COG- GoldCoast

Job ID: 890-1012-1

Job ID: 890-1012-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-1012-1

Receipt

The samples were received on 7/27/2021 12:08 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 2.0°C

HPLC/IC

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

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Job ID: 890-1012-1

Client: TRC Solutions, Inc. Project/Site: COG- GoldCoast

Client Sample ID: FL-1 @4.5

Lab Sample ID: 890-1012-1

Matrix: Solid

Date Collected: 07/27/21 10:00 Date Received: 07/27/21 12:08

Method: 300.0 - Anions, Ion Chron	natography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3380		24.8		mg/Kg			07/28/21 17:16	5

Client Sample ID: FL-2 @4.5 Lab Sample ID: 890-1012-2 Matrix: Solid

Date Collected: 07/27/21 10:15 Date Received: 07/27/21 12:08

Method: 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	731	4.96		mg/Kg			07/28/21 17:22	1		

Lab Sample ID: 890-1012-3 Client Sample ID: FL-3 @4.5 **Matrix: Solid**

Date Collected: 07/27/21 10:30 Date Received: 07/27/21 12:08

Method: 300.0 - Anions, Ion Chromato	graphy -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4200		24.9		mg/Kg			07/28/21 17:38	5

Lab Sample ID: 890-1012-4 Client Sample ID: FL-4 @4.5 **Matrix: Solid**

Date Collected: 07/27/21 10:45

Date Received: 07/27/21 12:08

Method: 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac			
Chloride	45.7	5.00	mg/Kg			07/28/21 17:44	1			

Lab Sample ID: 890-1012-5 Client Sample ID: FL-5 @4.5

Date Collected: 07/27/21 11:00

Date Received: 07/27/21 12:08

Method: 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	159		5.04		mg/Kg			07/28/21 17:49	1	

Eurofins Xenco, Carlsbad

Matrix: Solid

QC Sample Results

Client: TRC Solutions, Inc.

Job ID: 890-1012-1

Project/Site: COG- GoldCoast

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-5693/1-A Client Sample ID: Method Blank

Matrix: Solid Prep Type: Soluble

Analysis Batch: 5763

 Analyte
 Result
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 MDL
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 5.00
 mg/Kg
 07/28/21 15:27
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Lab Sample ID: LCS 880-5693/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 5763

Spike LCS LCS %Rec. Added Result Qualifier Analyte Unit D %Rec Limits Chloride 250 257.4 mg/Kg 103 90 - 110

Lab Sample ID: LCSD 880-5693/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 5763

LCSD LCSD %Rec. RPD Spike Analyte Added Result Qualifier Unit Limits **RPD** Limit Chloride 250 258.2 103 90 - 110 20 mg/Kg

QC Association Summary

Client: TRC Solutions, Inc.

Project/Site: COG- GoldCoast

Job ID: 890-1012-1

HPLC/IC

Leach Batch: 5693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1012-1	FL-1 @4.5	Soluble	Solid	DI Leach	
890-1012-2	FL-2 @4.5	Soluble	Solid	DI Leach	
890-1012-3	FL-3 @4.5	Soluble	Solid	DI Leach	
890-1012-4	FL-4 @4.5	Soluble	Solid	DI Leach	
890-1012-5	FL-5 @4.5	Soluble	Solid	DI Leach	
MB 880-5693/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-5693/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-5693/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 5763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1012-1	FL-1 @4.5	Soluble	Solid	300.0	5693
890-1012-2	FL-2 @4.5	Soluble	Solid	300.0	5693
890-1012-3	FL-3 @4.5	Soluble	Solid	300.0	5693
890-1012-4	FL-4 @4.5	Soluble	Solid	300.0	5693
890-1012-5	FL-5 @4.5	Soluble	Solid	300.0	5693
MB 880-5693/1-A	Method Blank	Soluble	Solid	300.0	5693
LCS 880-5693/2-A	Lab Control Sample	Soluble	Solid	300.0	5693
LCSD 880-5693/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	5693

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1:

Client: TRC Solutions, Inc.

Job ID: 890-1012-1

Project/Site: COG- GoldCoast

Client Sample ID: FL-1 @4.5 Lab Sample ID: 890-1012-1

Matrix: Solid

Date Collected: 07/27/21 10:00 Date Received: 07/27/21 12:08

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	5693	07/28/21 10:03	SC	XEN MID
Soluble	Analysis	300.0		5			5763	07/28/21 17:16	SC	XEN MID

Client Sample ID: FL-2 @4.5 Lab Sample ID: 890-1012-2

Date Collected: 07/27/21 10:15 Matrix: Solid

Date Received: 07/27/21 12:08

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	5693	07/28/21 10:03	SC	XEN MID
Soluble	Analysis	300.0		1			5763	07/28/21 17:22	SC	XEN MID

Lab Sample ID: 890-1012-3 Client Sample ID: FL-3 @4.5

Date Collected: 07/27/21 10:30 Matrix: Solid

Date Received: 07/27/21 12:08

Batch Batch Dil Initial Final Batch Prepared **Prep Type** Туре Method Factor Amount Amount Number or Analyzed Run Analyst Lab Soluble Leach DI Leach 5.03 g 50 mL 5693 07/28/21 10:03 SC XEN MID SC Soluble Analysis 300.0 5763 07/28/21 17:38 XEN MID 5

Client Sample ID: FL-4 @4.5 Lab Sample ID: 890-1012-4

Date Collected: 07/27/21 10:45 **Matrix: Solid**

Date Received: 07/27/21 12:08

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	5693	07/28/21 10:03	SC	XEN MID
Soluble	Analysis	300.0		1			5763	07/28/21 17:44	SC	XEN MID

Client Sample ID: FL-5 @4.5 Lab Sample ID: 890-1012-5

Date Collected: 07/27/21 11:00 **Matrix: Solid**

Date Received: 07/27/21 12:08

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	5693	07/28/21 10:03	SC	XEN MID
Soluble	Analysis	300.0		1			5763	07/28/21 17:49	SC	XEN MID

Laboratory References:

Released to Imaging: 3/30/2022 11:15:24 AM

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: TRC Solutions, Inc. Job ID: 890-1012-1

Project/Site: COG- GoldCoast

Laboratory: Eurofins Xenco, Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-22

Eurofins Xenco, Carlsbad

Method Summary

Client: TRC Solutions, Inc. Project/Site: COG- GoldCoast

Job ID: 890-1012-1

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

-4

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Sample Summary

Client: TRC Solutions, Inc.
Project/Site: COG- GoldCoast

Job ID: 890-1012-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-1012-1	FL-1 @4.5	Solid	07/27/21 10:00	07/27/21 12:08
890-1012-2	FL-2 @4.5	Solid	07/27/21 10:15	07/27/21 12:08
890-1012-3	FL-3 @4.5	Solid	07/27/21 10:30	07/27/21 12:08
890-1012-4	FL-4 @4.5	Solid	07/27/21 10:45	07/27/21 12:08
890-1012-5	FL-5 @4.5	Solid	07/27/21 11:00	07/27/21 12:08

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CHAIN OF CUSTO

Page 1 Of 1

etting the Standard since 1990 tafford,Texas (281-240-4200)	San	San Antonio, Texas (210-509-3334)	-3334)		Arizona (480-355-0900)	-0900)		
alias Texas (214-902-0300)	Mid	Midland, Texas (432-704-5251)	•					
			www xenco com		Xenco Quote #	*	Xenco Job #	
					Analyticat	Analytical Information	on	Matrix Codes
Client / Reporting Information		Project in	Project Information			_		
any Name / Branch: Environmental Corporation	Proj	Project Name/Number: COG-GoldCoast				_		W = Water S = Soil/Sed/Solid
any Address:	Proje	Project Location:						GW =Ground Water
sta Dr. Suite 130E nd, TX 79705	Jai NM	3				_		P = Product
i: (189bring@trecompanies.com Phone No: 181offel@treCompanies.com 432-215-5730	lnvol	Invoice To:						SW = Surface water SL = Sludge
		COG-lke Tavarez	Tavarez			_		OW =Ocean/Sea Water
ct Contact: Jared Stoffel	Invoice:							WI = Wipe
lers's Name: Russell Sebring								ww= Waste Water
	C	Collection	Zero	er of preserved holder	es —			A = Air
Field ID / Point of Collection	Sample		# D D D D D D D D D D D D D D D D D D D	INO3 I2SO4 IaOH IaHSO4	Ohlorid			Field Comments
FL-1045	N	21 /000					+	
FL-204,5'			1	10	1			
FL-3 @45	45,	1030 s	1		7			
12-4045	4.5)	1045 s	-3		``			
R-5045	4.5.1	//00 s	-3		1		890-1012 Chain of Custody	Sustody
		s	-1					
		s	-1					:
		s	1					
		S	1					
		s	1					
Turnaround Time (Business days)			Data Deliverable Information	tion		Notes:		
Sassacritin 24 HR SDAYTAT		Level II Std QC	Std QC	Level IV (Full Data Pkg /raw data)	ta Pkg /raw data)			
Next Day EMERGENCY 7 Day TAT		Level III S	Level III Std QC+ Forms	TRRP Level IV				
2 Day EMERGENCY Contract TAT		Level 3 (Level 3 (CLP Forms)	UST / RG -411		,		
3 Day EMERGENCY		TRRP Checklist	necklist					
TAT Starts Day received by Lab, if received by 5:00 pm	:00 pm					FED-EX/U	FED-EX / UPS: Tracking #	
SAMPLE CUST	Date Time;	SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME Date Time; Received By:	Same Escu	Relinquished By:	Date	Date Time: Re	Received By:	
Inquished by:	7/27/2(Received By:		Relinquished By:	Date	Date Time: Rec	2 Received By:	
(3		4				1
linquished by:	Date Time:	Received By:		Custody Seal #	Preserved where applicable	pplicable	On Ice Co	2.7 / 7.0 - 0.7
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subconfractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subconfractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples or cost of samples and shall be invoced at \$5 per sample. These term	stitutes a valid purcha	se order from client company to of Xenco. A minimum charge of	Xenco, its affiliates and sul	contractors. It assigns star project. Xenco's liability wil	ndard terms and condition to be limited to the cost of	s of service. Xenco will be samples. Any samples re	e liable only for the cost of samp sceived by Xenco but not analyze	les and shall not &ssume any responsibility for d will be invoiced at \$5 per sample. These tern

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-1012-1

Login Number: 1012 List Source: Eurofins Xenco, Carlsbad

List Number: 1 Creator: Clifton, Cloe

Question	Answer	Comment
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.	True	
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?	True	
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	

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<6mm (1/4").

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-1012-1

List Source: Eurofins Xenco, Midland
List Number: 2
List Creation: 07/28/21 10:57 AM

Creator: Lowe, Katie

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	Johnnent
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.	True	
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?	True	
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	
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").	True	

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Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Carlsbad 1089 N Canal St. Carlsbad, NM 88220 Tel: (575)988-3199

Laboratory Job ID: 890-1013-1

Laboratory Sample Delivery Group: Jal NM Client Project/Site: COG- GoldCoast

For:

TRC Solutions, Inc. 2057 Commerce Drive Midland, Texas 79703

Attn: Jared Stoffel

KRAMER

Authorized for release by: 7/28/2021 9:03:35 PM

Jessica Kramer, Project Manager (432)704-5440 jessica.kramer@eurofinset.com

LINKS

Review your project results through

Have a Question?



Visit us at:

www.eurofinsus.com/Env

Released to Imaging: 3/30/2022 11:15:24 AM

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Laboratory Job ID: 890-1013-1 Client: TRC Solutions, Inc. Project/Site: COG- GoldCoast SDG: Jal NM

Table of Contents

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Definitions/Glossary

Job ID: 890-1013-1 Client: TRC Solutions, Inc. Project/Site: COG- GoldCoast SDG: Jal NM

Qualifiers

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

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

Percent Recovery %R CFL Contains Free Liquid CFU Colony Forming Unit **CNF** Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

Detection Limit (DoD/DOE) DL

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)

Estimated Detection Limit (Dioxin) EDL LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

EPA recommended "Maximum Contaminant Level" MCL 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)

Relative Percent Difference, a measure of the relative difference between two points

Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Eurofins Xenco, Carlsbad

RPD TEF **TEQ**

Case Narrative

Client: TRC Solutions, Inc.

Job ID: 890-1013-1

Project/Site: COG- GoldCoast

SDG: Jal NM

Job ID: 890-1013-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-1013-1

Receipt

The samples were received on 7/27/2021 12:08 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 2.0°C

HPLC/IC

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

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Method: 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

Result Qualifier

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Result

18.7

Result Qualifier

11.2

26.8

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5.86

18.4

Client: TRC Solutions, Inc. Project/Site: COG- GoldCoast

Client Sample ID: SW-2A

Date Collected: 07/27/21 09:15

Date Received: 07/27/21 12:08

Client Sample ID: SW-6A Date Collected: 07/27/21 09:30

Date Received: 07/27/21 12:08

Client Sample ID: SW-7

Date Collected: 07/26/21 10:00

Date Received: 07/27/21 12:08

Client Sample ID: SW-8B

Date Collected: 07/26/21 10:20

Date Received: 07/27/21 12:08

Client Sample ID: SW-5A

Date Collected: 07/26/21 10:40

Date Received: 07/27/21 12:08

Client Sample ID: SW-10

Date Collected: 07/26/21 13:30

Date Received: 07/27/21 12:08

Client Sample ID: SW-4

Date Collected: 07/26/21 11:40

Date Received: 07/27/21 12:08

Analyte

Chloride

Analyte

Chloride

Analyte

Analyte

Chloride

Analyte

Analyte

Chloride

Analyte

Chloride

Chloride

Chloride

RL

5.04

RL

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5.05

RL

5.04

RL

RL

4.96

RL

5.01

4.97

5.04

MDL Unit

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Matrix: Solid

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Lab Sample ID: 890-1013-1

Analyzed

07/28/21 17:55

Lab Sample ID: 890-1013-2

Analyzed

07/28/21 18:00

Lab Sample ID: 890-1013-3

Analyzed

07/28/21 18:06

Lab Sample ID: 890-1013-4

Analyzed

07/28/21 16:21

Lab Sample ID: 890-1013-5

Analyzed

07/28/21 16:26

Lab Sample ID: 890-1013-7

Analyzed

07/28/21 16:32

Lab Sample ID: 890-1013-8

Analyzed

07/28/21 16:37

Dil Fac

Eurofins Xenco, Carlsbad
7/28/2021

Job ID: 890-1013-1

Client: TRC Solutions, Inc. Project/Site: COG- GoldCoast

Prep Type: Soluble

Client Sample ID: SW-4

Client Sample ID: SW-4

Prep Type: Soluble

Prep Type: Soluble

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

SDG: Jal NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-5693/1-A

Matrix: Solid

Analysis Batch: 5763

MB MB

Analyte Result Qualifier RLMDL Unit D Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 mg/Kg 07/28/21 15:27

Lab Sample ID: LCS 880-5693/2-A

Matrix: Solid

Analysis Batch: 5763

Spike LCS LCS %Rec. Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 257.4 mg/Kg 103 90 - 110

Lab Sample ID: LCSD 880-5693/3-A

Matrix: Solid

Analysis Batch: 5763

LCSD LCSD %Rec. RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 258.2 250 mg/Kg 103 90 - 110

Lab Sample ID: MB 880-5753/1-A

Matrix: Solid

Analysis Batch: 5764

мв мв

Result Qualifier MDL Unit Analyte RL Prepared Analyzed Dil Fac 5.00 Chloride <5.00 07/28/21 15:06 mg/Kg

Lab Sample ID: LCS 880-5753/2-A

Matrix: Solid

Analysis Batch: 5764

LCS LCS Spike %Rec. Analyte Added Result Qualifier Unit %Rec Limits Chloride 250 246.4 mg/Kg 99 90 - 110

Lab Sample ID: LCSD 880-5753/3-A

Matrix: Solid

Analysis Batch: 5764

Spike LCSD LCSD %Rec. RPD Added %Rec RPD Analyte Result Qualifier Unit D Limits Limit Chloride 250 246.6 mg/Kg 99 90 - 110

Lab Sample ID: 890-1013-8 MS

Matrix: Solid

Analysis Batch: 5764

MS MS %Rec. Sample Sample Spike Added Result Qualifier Result Qualifier Limits Analyte Unit D %Rec Chloride 11.2 251 248.5 mg/Kg 95 90 - 110

Lab Sample ID: 890-1013-8 MSD

Matrix: Solid

Analysis Batch: 5764

Spike MSD MSD %Rec. RPD Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits **RPD** Limit Chloride 11.2 251 248.9 mg/Kg 95 90 - 110 20

Eurofins Xenco, Carlsbad

QC Association Summary

Client: TRC Solutions, Inc.

Project/Site: COG- GoldCoast

SDG: Jal NM

HPLC/IC

Leach Batch: 5693

Lab Sample ID Client Sample ID		Prep Type	Matrix	Method	Prep Batch
890-1013-1	SW-2A	Soluble	Solid	DI Leach	
890-1013-2	SW-6A	Soluble	Solid	DI Leach	
890-1013-3	SW-7	Soluble	Solid	DI Leach	
MB 880-5693/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-5693/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-5693/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 5753

Lab Sample ID	Client Sample ID	Prep Type	rep Type Matrix	Method	Prep Batch
890-1013-4	SW-8B	Soluble	Solid	DI Leach	
890-1013-5	SW-5A	Soluble	Solid	DI Leach	
890-1013-7	SW-10	Soluble	Solid	DI Leach	
890-1013-8	SW-4	Soluble	Solid	DI Leach	
MB 880-5753/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-5753/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-5753/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1013-8 MS	SW-4	Soluble	Solid	DI Leach	
890-1013-8 MSD	SW-4	Soluble	Solid	DI Leach	

Analysis Batch: 5763

Lab Sample ID		Client Sample ID	Prep Type	Matrix	Method	Prep Batch
	890-1013-1	SW-2A	Soluble	Solid	300.0	5693
	890-1013-2	SW-6A	Soluble	Solid	300.0	5693
	890-1013-3	SW-7	Soluble	Solid	300.0	5693
	MB 880-5693/1-A	Method Blank	Soluble	Solid	300.0	5693
	LCS 880-5693/2-A	Lab Control Sample	Soluble	Solid	300.0	5693
	LCSD 880-5693/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	5693

Analysis Batch: 5764

Released to Imaging: 3/30/2022 11:15:24 AM

Lab Sample ID	Client Sample ID	Prep Type	Prep Type Matrix		Prep Batch
890-1013-4	SW-8B	Soluble	Solid	300.0	5753
890-1013-5	SW-5A	Soluble	Solid	300.0	5753
890-1013-7	SW-10	Soluble	Solid	300.0	5753
890-1013-8	SW-4	Soluble	Solid	300.0	5753
MB 880-5753/1-A	Method Blank	Soluble	Solid	300.0	5753
LCS 880-5753/2-A	Lab Control Sample	Soluble	Solid	300.0	5753
LCSD 880-5753/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	5753
890-1013-8 MS	SW-4	Soluble	Solid	300.0	5753
890-1013-8 MSD	SW-4	Soluble	Solid	300.0	5753

Eurofins Xenco, Carlsbad

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Ana

Client Sample ID: SW-2A

Lab Sample ID: 890-1013-1

Matrix: Solid

Matrix: Solid

Matrix: Solid

Matrix: Solid

Date Collected: 07/27/21 09:15 Date Received: 07/27/21 12:08

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	5693	07/28/21 10:03	SC	XEN MID
Soluble	Analysis	300.0		1			5763	07/28/21 17:55	SC	XEN MID

Client Sample ID: SW-6A Lab Sample ID: 890-1013-2

Date Collected: 07/27/21 09:30 Matrix: Solid

Date Received: 07/27/21 12:08

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	5693	07/28/21 10:03	SC	XEN MID
Soluble	Analysis	300.0		1			5763	07/28/21 18:00	SC	XEN MID

Client Sample ID: SW-7 Lab Sample ID: 890-1013-3

Date Collected: 07/26/21 10:00

Date Received: 07/27/21 12:08

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	5693	07/28/21 10:03	SC	XEN MID
Soluble	Analysis	300.0		1			5763	07/28/21 18:06	SC	XEN MID

Client Sample ID: SW-8B

Date Collected: 07/26/21 10:20

Lab Sample ID: 890-1013-4

Matrix: Solid

Date Received: 07/27/21 12:08

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	5753	07/28/21 13:03	SC	XEN MID
Soluble	Analysis	300.0		1			5764	07/28/21 16:21	SC	XEN MID

Client Sample ID: SW-5A Lab Sample ID: 890-1013-5

Date Collected: 07/26/21 10:40 Date Received: 07/27/21 12:08

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	5753	07/28/21 13:03	SC	XEN MID
Soluble	Analysis	300.0		1			5764	07/28/21 16:26	SC	XEN MID

Client Sample ID: SW-10 Lab Sample ID: 890-1013-7

Date Collected: 07/26/21 13:30 Date Received: 07/27/21 12:08

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	5753	07/28/21 13:03	SC	XEN MID
Soluble	Analysis	300.0		1			5764	07/28/21 16:32	SC	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: TRC Solutions, Inc.

Project/Site: COG- GoldCoast

SDG: Jal NM

Client Sample ID: SW-4 Lab Sample ID: 890-1013-8

Date Collected: 07/26/21 11:40

Date Received: 07/27/21 12:08

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	5753	07/28/21 13:03	SC	XEN MID
Soluble	Analysis	300.0		1			5764	07/28/21 16:37	SC	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Carlsbad

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Accreditation/Certification Summary

Client: TRC Solutions, Inc.

Project/Site: COG- GoldCoast

SDG: Jal NM

Laboratory: Eurofins Xenco, Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-22

JJ 430

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Method Summary

Client: TRC Solutions, Inc. Project/Site: COG- GoldCoast

Job ID: 890-1013-1

SDG: Jal NM

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Sample Summary

Client: TRC Solutions, Inc.

Project/Site: COG- GoldCoast

SDG: Jal NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-1013-1	SW-2A	Solid	07/27/21 09:15	07/27/21 12:08
890-1013-2	SW-6A	Solid	07/27/21 09:30	07/27/21 12:08
890-1013-3	SW-7	Solid	07/26/21 10:00	07/27/21 12:08
890-1013-4	SW-8B	Solid	07/26/21 10:20	07/27/21 12:08
890-1013-5	SW-5A	Solid	07/26/21 10:40	07/27/21 12:08
890-1013-7	SW-10	Solid	07/26/21 13:30	07/27/21 12:08
890-1013-8	SW-4	Solid	07/26/21 11:40	07/27/21 12:08

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Setting the Standard since 1990		1	A 11000 1400 0440 00		
Stafford, rexas (261-240-4200)	Midland	Midland Toyae (432-704-5254)	TIROIR (TOU-GOOD)	3	
Callas IDARS (617-00E-000V)		www xenco com	Xenco Quote #	Xenco Job **	
			Analytical li A	Analytical Information	Matrix Codes
Client / Reporting Information		Project Information			141.4
Company Name / Branch: TRC Environmental Corporation	Project N COG-Go	mber:			W = Water S = Soil/Sed/Solid
Company Address:	Project Location:	ocation:			GW =Ground Water DW = Drinking Water
Midland, TX 79705	Jai NM				P = Product
Email: #86bring@trccompanies.com Phone No: https://doi.org/10.100/10.000 Phone No: 432-215-8730	Invoice To:				SW = Surface Water SL = Sludge
onocophillips		COG-Ike Tavarez			OW =Ocean/Sea Water Wine
Project Contact: Jared Stoffel	Invoice:				O
Samplers's Name: Russell Sebring					WW= Waste Water
	Collection		virither of preserved boddes		AHAIT
No. Field ID / Point of Collection	Sample Date	Time Matin # of HC NaOH/Zn	Acetate HNO3 H2SO4 NaOH NaHSO4 MEOH NONE Chloric		
1 SW-2A	4				
2 SW- GA	- 7.772		7		
3 SW-7	7.26.21	/ /‱ s		890-1013 Chan 250	
4 SW - 8B	7.2621	7020 s 1	(Custody	ody
5 SW-5A	7.26.21	1 /040 s 1	7		
-	かった。大	4 /050 s 1	*	* 1/0	400-Rin 1- 54-54
- MS	7.76.21	1 /330 s 1	ς .	V	600
8 SM-4	1222	1 1/40 s 1	1		
Φ		σ. -			
10		w			
Turnaround Time (Business days)		Data Deliverable Information	rmation	Notes:	
Samo BayTAT ZJ HK 6 Day TAT		Level II Std QC	Level IV (Full Data Pkg /raw data)		
Next Day EMERGENCY		Level III Std QC+ Forms	TRRP Level IV		
2 Day EMERGENCY Contract TAT		Level 3 (CLP Forms)	UST/RG-411		
3 Day EMERGENCY		TRRP Checklist			
TAT Starts Day received by Lab, if received by 5:00 pm	pm			FED-EX / UPS: Tracking #	
	MUST BE DOCUME	SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COUNTRY US Date Time: Received By:	Relinguished By: Relinguished By: Date Time:	ne: Received By:	
Samplet Control	7/21/21 12:	12:081 / Tece			
Relinquished by:		Received By:	Relinquished By: Date Time:	ne: Received by:	
Relinquished by:	Date Time:	Received By:	Custody Seal # Preserved where applicable	loable On Ice Cooler T	Temp. Thermo. Corr. Factor
Notice: Notice: Signature of this document and relinfoguishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and succonfractors. It assigns statistical terms are unusually as a process of the control of Xenco and the control of Xenco. A minimum charge of \$75 will be applied to each project. Xenco's liability will be limited to the cost of samples. Any samples received by Xenco but not analyzed will be invoiced at \$5 per sample. These terms will be applied to each project. Xenco's liability will be limited to the cost of samples. Any samples received by Xenco but not analyzed will be invoiced at \$5 per sample. These terms will be applied to each project. Xenco's liability will be limited to the cost of samples. Any samples received by Xenco but not analyzed will be invoiced at \$5 per sample. These terms will be applied to each project. Xenco's liability will be limited to the cost of samples. Any samples received by Xenco but not analyzed will be invoiced at \$5 per sample. These terms will be applied to each project. Xenco's liability will be limited to the cost of samples. Any samples received by Xenco but not analyzed will be invoiced at \$5 per sample. These terms will be applied to each project. Xenco's liability will be limited to the cost of samples. Any samples received by Xenco but not analyzed will be invoiced at \$5 per sample. The cost of samples are the cost of samples are the cost of samples.	es a valid purchase o eyond the control of X	rder from client company to Xenco, its arrillates and enco. A minimum charge of \$75 will be applied to e	subcontractors, it assigns standard terms and condutions of ach project. Xenco's liability will be limited to the cost of san	nples. Any samples received by Xenco but not analyzed will be	be invoiced at \$5 per sample. These terms

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-1013-1

SDG Number: Jal NM

List Source: Eurofins Xenco, Carlsbad

Login Number: 1013 List Number: 1 Creator: Clifton, Cloe

Question	Answer	Comment
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.	True	
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?	True	
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	

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<6mm (1/4").

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-1013-1

SDG Number: Jal NM

List Source: Eurofins Xenco, Midland

List Creation: 07/28/21 10:57 AM

Login Number: 1013 List Number: 2 Creator: Lowe, Katie

Question	Answer	Comment
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.	True	
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?	True	
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	
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").	True	

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Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Carlsbad 1089 N Canal St. Carlsbad, NM 88220 Tel: (575)988-3199

Laboratory Job ID: 890-1026-1

Laboratory Sample Delivery Group: Jal NM Client Project/Site: COG - GoldCoast

For:

TRC Solutions, Inc. 2057 Commerce Drive Midland, Texas 79703

Attn: Jared Stoffel

KRAMER

Authorized for release by: 8/2/2021 10:27:25 AM

Jessica Kramer, Project Manager (432)704-5440

iessica.kramer@eurofinset.com

.....LINKS

Review your project results through

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Client: TRC Solutions, Inc.

Project/Site: COG - GoldCoast

Laboratory Job ID: 890-1026-1

SDG: Jal NM

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Definitions/Glossary

Job ID: 890-1026-1 Client: TRC Solutions, Inc. Project/Site: COG - GoldCoast SDG: Jal NM

Qualifiers

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

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

Percent Recovery %R CFL Contains Free Liquid CFU Colony Forming Unit **CNF** Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

Detection Limit (DoD/DOE) DL

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)

Estimated Detection Limit (Dioxin) EDL LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

EPA recommended "Maximum Contaminant Level" MCL 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

Not Detected at the reporting limit (or MDL or EDL if shown) ND

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

TEF Toxicity Equivalent Factor (Dioxin) **TEQ** Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Eurofins Xenco, Carlsbad

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Case Narrative

Client: TRC Solutions, Inc.

Job ID: 890-1026-1

Project/Site: COG - GoldCoast

SDG: Jal NM

Job ID: 890-1026-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-1026-1

Receipt

The samples were received on 7/29/2021 1:28 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 4.6° C

HPLC/IC

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

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Client: TRC Solutions, Inc. Project/Site: COG - GoldCoast

Client Sample ID: SW-13

Date Collected: 07/28/21 11:00

Date Received: 07/29/21 13:28

Job ID: 890-1026-1

SDG: Jal NM

Lab Sample ID: 890-1026-1

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL **MDL** Unit D Prepared Analyzed Dil Fac Chloride 4.95 mg/Kg 07/30/21 20:28 60.3 Lab Sample ID: 890-1026-2 Client Sample ID: SW-14 Date Collected: 07/28/21 11:10 **Matrix: Solid** Date Received: 07/29/21 13:28 Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL D Analyzed Dil Fac Unit Prepared 5.03 07/30/21 20:33 Chloride 66.4 mg/Kg **Client Sample ID: SW-15** Lab Sample ID: 890-1026-3 Date Collected: 07/28/21 11:15 **Matrix: Solid**

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chloride 5.04 07/30/21 20:39 23.2 mg/Kg

Lab Sample ID: 890-1026-4 Client Sample ID: SW-16 Date Collected: 07/28/21 14:30 **Matrix: Solid**

Date Received: 07/29/21 13:28

Date Received: 07/29/21 13:28

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 5.05 07/30/21 20:55 Chloride 7.58 mg/Kg

Lab Sample ID: 890-1026-5 Client Sample ID: SW-17 Date Collected: 07/28/21 14:45 **Matrix: Solid**

Date Received: 07/29/21 13:28

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier MDL Unit Analyte RL D Prepared Analyzed Dil Fac Chloride 5.62 5.01 mg/Kg 07/30/21 21:01

Client Sample ID: SW-23 Lab Sample ID: 890-1026-6 Date Collected: 07/29/21 10:50 **Matrix: Solid**

Date Received: 07/29/21 13:28

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 5.02 07/30/21 21:06 Chloride 57.1 mg/Kg

Client Sample ID: SW-9 Lab Sample ID: 890-1026-7 **Matrix: Solid**

Date Collected: 07/27/21 14:45 Date Received: 07/29/21 13:28

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chloride 16.7 5.01 07/30/21 21:12 mg/Kg

Eurofins Xenco, Carlsbad

Client Sample Results

Client: TRC Solutions, Inc. Job ID: 890-1026-1 Project/Site: COG - GoldCoast SDG: Jal NM

Client Sample ID: SW-11 Lab Sample ID: 890-1026-8 Date Collected: 07/27/21 14:30

Matrix: Solid

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RLMDL Unit D Prepared Analyzed Dil Fac 4.99 mg/Kg 07/30/21 21:17 Chloride 36.6

Client Sample ID: SW-12 Lab Sample ID: 890-1026-9

Date Collected: 07/27/21 15:00 Date Received: 07/29/21 13:28

Date Received: 07/29/21 13:28

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chloride <4.97 U 4.97 07/30/21 21:23 mg/Kg

Job ID: 890-1026-1

SDG: Jal NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-5893/1-A

Matrix: Solid

Analysis Batch: 5906

Analyte

Chloride

Client: TRC Solutions, Inc.

Project/Site: COG - GoldCoast

Client Sample ID: Method Blank
Prep Type: Soluble

 MB
 MB

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Lab Sample ID: LCS 880-5893/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 5906

Alialysis Batch. 5900

Spike LCS LCS %Rec. Added Qualifier Analyte Result Unit D %Rec Limits Chloride 250 261.9 mg/Kg 105 90 - 110

Lab Sample ID: LCSD 880-5893/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 5906

LCSD LCSD %Rec. RPD Spike Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Chloride 250 261.3 105 20 mg/Kg 90 - 110

Lab Sample ID: 890-1026-9 MS

Matrix: Solid

Analysis Batch: 5906

Spike MS MS %Rec. Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits 270.6 Chloride <4.97 249 108 90 - 110 mg/Kg

Lab Sample ID: 890-1026-9 MSD

Matrix: Solid

Analysis Batch: 5906

Sample Sample Spike MSD MSD %Rec. RPD Added Analyte Result Qualifier Result Qualifier Unit %Rec Limits RPD Limit Chloride <4.97 U 249 108 270.8 mg/Kg 90 - 110 0 20

Eurofins Xenco, Carlsbad

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Client Sample ID: SW-12

Client Sample ID: SW-12

Prep Type: Soluble

Prep Type: Soluble

QC Association Summary

Client: TRC Solutions, Inc.

Project/Site: COG - GoldCoast

SDG: Jal NM

HPLC/IC

Leach Batch: 5893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1026-1	SW-13	Soluble	Solid	DI Leach	
890-1026-2	SW-14	Soluble	Solid	DI Leach	
890-1026-3	SW-15	Soluble	Solid	DI Leach	
890-1026-4	SW-16	Soluble	Solid	DI Leach	
890-1026-5	SW-17	Soluble	Solid	DI Leach	
890-1026-6	SW-23	Soluble	Solid	DI Leach	
890-1026-7	SW-9	Soluble	Solid	DI Leach	
890-1026-8	SW-11	Soluble	Solid	DI Leach	
890-1026-9	SW-12	Soluble	Solid	DI Leach	
MB 880-5893/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-5893/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-5893/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1026-9 MS	SW-12	Soluble	Solid	DI Leach	
890-1026-9 MSD	SW-12	Soluble	Solid	DI Leach	

Analysis Batch: 5906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1026-1	SW-13	Soluble	Solid	300.0	5893
890-1026-2	SW-14	Soluble	Solid	300.0	5893
890-1026-3	SW-15	Soluble	Solid	300.0	5893
890-1026-4	SW-16	Soluble	Solid	300.0	5893
890-1026-5	SW-17	Soluble	Solid	300.0	5893
890-1026-6	SW-23	Soluble	Solid	300.0	5893
890-1026-7	SW-9	Soluble	Solid	300.0	5893
890-1026-8	SW-11	Soluble	Solid	300.0	5893
890-1026-9	SW-12	Soluble	Solid	300.0	5893
MB 880-5893/1-A	Method Blank	Soluble	Solid	300.0	5893
LCS 880-5893/2-A	Lab Control Sample	Soluble	Solid	300.0	5893
LCSD 880-5893/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	5893
890-1026-9 MS	SW-12	Soluble	Solid	300.0	5893
890-1026-9 MSD	SW-12	Soluble	Solid	300.0	5893

Eurofins Xenco, Carlsbad

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Client: TRC Solutions, Inc. Project/Site: COG - GoldCoast

Job ID: 890-1026-1

SDG: Jal NM

Client Sample ID: SW-13

Lab Sample ID: 890-1026-1

Matrix: Solid

Date Collected: 07/28/21 11:00 Date Received: 07/29/21 13:28

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	5893	07/30/21 14:08	CH	XEN MID
Soluble	Analysis	300.0		1			5906	07/30/21 20:28	CH	XEN MID

Client Sample ID: SW-14 Lab Sample ID: 890-1026-2

Date Collected: 07/28/21 11:10 Matrix: Solid

Date Received: 07/29/21 13:28

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	5893	07/30/21 14:08	CH	XEN MID
Soluble	Analysis	300.0		1			5906	07/30/21 20:33	CH	XEN MID

Client Sample ID: SW-15 Lab Sample ID: 890-1026-3

Date Collected: 07/28/21 11:15 Matrix: Solid

Date Received: 07/29/21 13:28

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	5893	07/30/21 14:08	СН	XEN MID
Soluble	Analysis	300.0		1			5906	07/30/21 20:39	CH	XEN MID

Client Sample ID: SW-16 Lab Sample ID: 890-1026-4

Date Collected: 07/28/21 14:30 Date Received: 07/29/21 13:28

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	5893	07/30/21 14:08	СН	XEN MID
Soluble	Analysis	300.0		1			5906	07/30/21 20:55	CH	XEN MID

Client Sample ID: SW-17 Lab Sample ID: 890-1026-5 Date Collected: 07/28/21 14:45 **Matrix: Solid**

Date Received: 07/29/21 13:28

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	5893	07/30/21 14:08	CH	XEN MID
Soluble	Analysis	300.0		1			5906	07/30/21 21:01	CH	XEN MID

Client Sample ID: SW-23 Lab Sample ID: 890-1026-6

Date Collected: 07/29/21 10:50 **Matrix: Solid** Date Received: 07/29/21 13:28

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Soluble DI Leach 5893 СН XEN MID Leach 4.98 g 50 mL 07/30/21 14:08 Analysis 300.0 5906 07/30/21 21:06 XEN MID Soluble

Eurofins Xenco, Carlsbad

Matrix: Solid

Client: TRC Solutions, Inc. Project/Site: COG - GoldCoast Job ID: 890-1026-1

SDG: Jal NM

Client Sample ID: SW-9

V-9 Lab Sample ID: 890-1026-7

Matrix: Solid

Date Collected: 07/27/21 14:45 Date Received: 07/29/21 13:28

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	5893	07/30/21 14:08	CH	XEN MID
Soluble	Analysis	300.0		1			5906	07/30/21 21:12	CH	XEN MID

Client Sample ID: SW-11 Lab Sample ID: 890-1026-8

Date Collected: 07/27/21 14:30 Matrix: Solid

Date Collected: 07/27/21 14:30
Date Received: 07/29/21 13:28

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	5893	07/30/21 14:08	СН	XEN MID
Soluble	Analysis	300.0		1			5906	07/30/21 21:17	CH	XEN MID

Client Sample ID: SW-12 Lab Sample ID: 890-1026-9

Date Collected: 07/27/21 15:00 Matrix: Solid

Date Received: 07/29/21 13:28

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	5893	07/30/21 14:08	CH	XEN MID
Soluble	Analysis	300.0		1			5906	07/30/21 21:23	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: TRC Solutions, Inc. Job ID: 890-1026-1 Project/Site: COG - GoldCoast SDG: Jal NM

Laboratory: Eurofins Xenco, Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-22

Eurofins Xenco, Carlsbad

Method Summary

Client: TRC Solutions, Inc. Project/Site: COG - GoldCoast Job ID: 890-1026-1

SDG: Jal NM

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: TRC Solutions, Inc.

Project/Site: COG - GoldCoast

SDG: Jal NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-1026-1	SW-13	Solid	07/28/21 11:00	07/29/21 13:28
890-1026-2	SW-14	Solid	07/28/21 11:10	07/29/21 13:28
890-1026-3	SW-15	Solid	07/28/21 11:15	07/29/21 13:28
890-1026-4	SW-16	Solid	07/28/21 14:30	07/29/21 13:28
890-1026-5	SW-17	Solid	07/28/21 14:45	07/29/21 13:28
890-1026-6	SW-23	Solid	07/29/21 10:50	07/29/21 13:28
890-1026-7	SW-9	Solid	07/27/21 14:45	07/29/21 13:28
890-1026-8	SW-11	Solid	07/27/21 14:30	07/29/21 13:28
890-1026-9	SW-12	Solid	07/27/21 15:00	07/29/21 13:28

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Setting the Standard since 1990

Stafford, Texas (281-240-4200)	San Antonio, Texas (210-509-3334)	Arizona (480-355-0900)	
Dallas Texas (214-902-0300)	Midland, Texas (432-704-5251)	Xenco Quote #	Xenco Job #
		Analytical h Analytical Information	Matrix Codes
Client / Reporting Information	Project Information		
Company Name / Branch: TRC Environmental Corporation	Project Name/Number: COG-GoldCoast		W = Water S = Soil/Sed/Solid
Company Address:	Project Location:		GW =Ground Water
10 Desta Dr. Suite 130E Midland, TX 79705	Jai NM		DW = Drinking Water P = Product
Email: (186bring@irccompanies.com Phone No: 1810ffel@ircCompanies.com 432-215-6730 1810	Invoice To:		SW = Surface water SL = Sludge OW = Ocean/Sea Water
Project Contact: Jared Stoffel	invoice:		WI = Wipe
Samplers's Name: Russell Sebring			WW= Waste Water
	Collection	Number of preserved bottles	A = Air
No. Field ID / Point of Collection	Sample Finne Matrix bottles 🗓	NaOH/Zn Acetate HNO3 H2SO4 NaOH NaHSO4 MEOH NONE Chloride	Field Comments
1 5W-13	- 7.7821 1/00 s 1		
2 SW-14	. 1	\	
3 SW-15			
4 SW-16	728-21 1430 s 1	5	
5 SW-17		5	1 Cos Chain of Custody
6 SW-23	7.29.71 /050 s 1		89U-1020 Chair
	7.27.2 1445 s 1		
8 SW-11 7.29.21	_		
9 SW-12	7.27.2 15 80 \$ 1		
10	<i>σ</i>		
Turnaround Time (Business days)	Data Deliverable Information	Information	
Same Day TAT	Level II Std QC	Level IV (Full Data Pkg Iraw data)	
Next Day EMERGENCY	Level III Std QC+ Forms	TRRP Level IV	
2 Day EMERGENCY Contract TAT	Level 3 (CLP Forms)	UST/RG-411	
3 Day EMERGENCY	TRRP Checklist		
TAT Starts Day received by Lab, if received by 5:00 pm	pm		: Tracking #
Relinquished by Sampler:	SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER D [Date Time: / Receiped By: Relinquished By:	Date Time:	Received By:
Sa	Date Time: Received By:	7.6.21 12:0	0 2 Received By:
Relinquished by:	Date Time: Received By:	Custody Seal # Preserved where applicable	On ice Cooler Jemp. Thermo, Corr. Factor
rounce, rounce, organization into accuming it and reimidate are due to cliciums account losses or expenses incurred by the Client's fauch losses are due to circumstances the contract of the contract will be enforced unless previously negotiated under a fully executed client contract.	uses a vario purchase proefficial company to xerico, its animates beyond the control of Xenco. A minimum charge of \$75 will be applied the control of Xenco. A minimum charge of \$75 will be applied the control of Xenco.	rounce. Notice, obtained this document and inhibitation the control of Xenco, A minimum charge of \$75 will be applied to each project. Xenco's liability will be limited to the cost of samples received by Xenco but not analyzed will be invoiced at \$5 per sample. These ferm losses or expenses incurred by the Client if such to best are the client if such to be client if such to be a cost of samples. Any samples received by Xenco but not analyzed will be invoiced at \$5 per sample. These ferm will be enforced unless previously negotiated under a fully executed client contract.	red by Xenco but not analyzed will be invoiced at \$5 per sample. These tem

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Chain of Custody Record

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Environment Testing America

	Sampler		Lab PM	4		Carrier Tracking No(s)	No(s).	COC No.	
Client Information (Sub Contract Lab)			Kram	Kramer Jessica				890-326 1	
Client Contact: Shipping/Receiving	Phone:		E-Mail. Jessic	E-Mail. essica kramer@eurofinset	finset.com	State of Origin New Mexico		Page: Page 1 of 1	
Company Eurofins Xenco				Accreditations Required (See note) NELAP - Texas	ired (See note)			Job # 890-1026-1	
Address 1211 W Florida Ave, ,	Due Date Requested 7/30/2021				Analysis R	Requested		Preservation Codes:	
City Midland	TAT Requested (days)	3						B NaOH C Zn Acetate	N None O AsNaO2
State Zip: TX, 79701									,
Phone: 432-704-5440(Tel)	PO#:							G - Amchlor H Ascorbic Acid	
Email:	WO#:			No)				<u></u> :	< ┌ ·
Project Name: COG- Goldcoast	Project #: 89000036			es or				K EDTA	W pH 4-5 Z other (specify)
Site	SSOW#			D (Y			of cor	Other:	
		Sample	Matrix (W=water	i MS/MS			umber o	amoerc	
Sample Identification - Client ID (Lab ID)	Sample Date	Sample (C=comp, Time G=grab)	O=waste/oil, BT=Tissue, A=Air)	Perfor					Special Instructions/Note:
			ration Code:	X					
SW-13 (890-1026-1)	7/28/21	11 00 Nountain	Solid	×					
SW-14 (890-1026-2)	7/28/21	11 10 Mountain	Solid	×				4	
SW-15 (890-1026-3)	7/28/21	11 15 Mountain	Solid	×					
SW-16 (890-1026-4)	7/28/21	14 30 Mountain	Solid	×				4	
SW-17 (890-1026-5)	7/28/21	14 45 Mountain	Solid	×					
SW-23 (890-1026-6)	7/29/21	10 50 Mountain	Solid	×					
SW-9 (890-1026-7)	7/27/21	14 45 Mountain	Solid	×					
SW-11 (890-1026-8)	7/27/21	14 30 Mountain	Solid	×				44	
SW-12 (890-1026-9)	7/27/21	15 00 Mountain	Solid	×			. 7 %		
Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories maintain accreditation in the State of Origin listed above for analysis/flests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instruct. LC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC.	places the ownership obeing analyzed the sar urn the signed Chain of	f method analyte & au nples must be shipped Custody attesting to s	ccreditation compliar I back to the Eurofina I aid complicance to E	ice upon out subcon s Xenco LLC laborat Eurofins Xenco LLC	tract laboratories This sony or other instructions	sample shipment is fo will be provided Any	rwarded under chair changes to accredit	n-of-custody If the la tation status should b	orratories This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently ther instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco
Possible Hazard Identification Unconfirmed				Sample Disposal Return To C	(A fee lient	may be assessed if samples Disposal By Lab	amples are reta ab	are retained longer than Archive For	n 1 month) Months
Deliverable Requested II III IV Other (specify)	Primary Deliverable Rank. 2	ile Rank. 2		Special Instr	Special Instructions/QC Requirements	ments			
Empty Kit Relinquished by		Date		Time		Method of	Method of Shipment.		
Relinquished by Cive aut 729;	Date/Time		Company	Received	WONNA	Son	Date/Time*	(RE)	Company
Relinquished by:	Date/Time:		Company	Received	by.	•	Date/Time 7	3051	/ Company
Relinquished by	Date/Time		Company	Received by	y		Date/Time: /	,	Company
Custody Seals Infact: Custody Seal No A Yes A No				Cooler Temperatu	re(s) °C	and Other Remarks			

Eurofins Xenco, Carlsbad 1089 N Canal St. Carlsbad, NM 88220 Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record

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Environment Testing America

	Sampler		1,							8/
Client Information (Sub Contract Lab)	Garage		Krame	Kramer, Jessica		Camer Tra	Carrier Tracking No(s):	COC No 890-325 1	51	
Client Contact: Shipping/Receiving	Phone:		E-Maii:	E-Mail: lessica kramer@eurofinse:	finset com	State of Origin.	rigin.	Page Dage 1 of 1	2. 1	
Company: Eurofins Xenco				Accreditations Required NELAP - Texas	ired (See note).			Job #:	26 <u>-</u> 1	
Address 1211 W Florida Ave	Due Date Requested. 7/30/2021	•			Analysis	Requested		Preserv	Preservation Codes:	
City: Midland	TAT Requested (days)	8) Z Z) ine
State, Zip. TX, 79701	•							D Nitric Acid	— a	14S
Phone: 432-704-5440(Tel)	PO#:								1070	203 24
Email	WO#:			No)				с — л 	Acid < U =	ISP Dodecahydrate Acetone MCAA
Project Name COG- Goldcoast	Project #: 89000036			s or				L-EDA	N N	pH 4-5 other (specify)
Site	SSOW#:			D (Y				0		:
		Sample	Matrix (W=water	Itered S MS/MS D_NM/80				imber o		
Sample Identification - Client ID (Lab ID)	Sample Date	Sample (C=comp,	O=waste/oii, BT=Tissue, A=Air)	Perfor					pocial Inctruction	
	X	4	ation Code:	X		£7.				<i>y</i>
SW-13 (890-1026-1)	7/28/21 h	Mountain	Solid	×						16 (
SW-14 (890-1026-2)	7/28/21	11 10 Nountain	Solid	×				- 22		
SW-15 (890-1026-3)	7/28/21 _N	11 15 Mountain	Solid	×						
SW-16 (890-1026-4)	7/28/21 _N	14 30 Mountain	Solid	×				28]		
SW-17 (890-1026-5)	7/28/21	14 45 Mountain	Solid	×				24K. J		-
SW-23 (890-1026-6)	7/29/21 N	10 50 Mountain	Solid	×						
Note: Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC aboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC.	places the ownership o being analyzed the san ırn the signed Chain of	f method, analyte & ac iples must be shipped Custody attesting to sa	creditation complian back to the Eurofins aid complicance to E	ce upon out subconto Xenco LLC laborato urofins Xenco LLC	ract laboratories Th	nis sample shipmen	t is forwarded unde Any changes to a	r chain-of-custody ccreditation status	If the laboratory does should be brought to Eu	not currently urofins Xenco
Possible Hazard Identification Unconfirmed				Sample Disposal	le Disposal (A fee ma Return To Client	may be assessed if samples are retained longer than	if samples are	retained long	er than 1 month)	the
Deliverable Requested I, II, III, IV Other (specify)	Primary Deliverable Rank	le Rank 2		Special Instru	Special Instructions/QC Requirements	rements.				
Empty Kit Relinquished by		Date		Time //		Metr	Method of Shipment:			
Relinquished by (ice Cut 7.29%	Date/Time [.]		Company	Received by	MARIN	da	Colleged Parcel	16/0	Company	
Relinquished by	Date/Time [.]		Company	Received by	`		Daje/Time:		Company	
J	Date/Time ⁻		Company	Received by	7		Date/Time		Company	
Custody Seals Intact. Custody Seal No. ∆ Yes ∆ No		***************************************		Cooler Temperatu		re(s) °C and Other Remarks				

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-1026-1

SDG Number: Jal NM

Login Number: 1026 List Source: Eurofins Xenco, Carlsbad

List Number: 1 Creator: Clifton, Cloe

Question	Answer	Comment
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.	True	
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?	True	
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.	N/A	
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	

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Eurofins Xenco, Carlsbad

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Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-1026-1

SDG Number: Jal NM

List Source: Eurofins Xenco, Midland

List Creation: 07/30/21 10:49 AM

List Number: 2 Creator: Kramer, Jessica

Login Number: 1026

Question	Answer	Comment
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.	True	
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?	True	
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	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	True	

Eurofins Xenco, Carlsbad

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<6mm (1/4").



Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Carlsbad 1089 N Canal St. Carlsbad, NM 88220 Tel: (575)988-3199

Laboratory Job ID: 890-1027-1 Client Project/Site: COG-GoldCoast

For:

TRC Solutions, Inc. 2057 Commerce Drive Midland, Texas 79703

Attn: Jared Stoffel

JURAMER

Authorized for release by: 7/31/2021 10:14:03 AM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

.....LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Laboratory Job ID: 890-1027-1

Client: TRC Solutions, Inc. Project/Site: COG-GoldCoast

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Method Summary	13
Sample Summary	14
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Definitions/Glossary

Client: TRC Solutions, Inc. Job ID: 890-1027-1 Project/Site: COG-GoldCoast

Qualifiers

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Method Quantitation Limit

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Not Detected at the reporting limit (or MDL or EDL if shown)

Not Calculated

Negative / Absent

Positive / Present

Presumptive

Quality Control

Glossary

MQL

NC

ND NEG

POS

PQL

QC

RER

RL RPD

TEF

TEQ

TNTC

PRES

Ciocoary	
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

Eurofins Xenco, Carlsbad

Case Narrative

Client: TRC Solutions, Inc.

Job ID: 890-1027-1

Project/Site: COG-GoldCoast

Job ID: 890-1027-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-1027-1

Receipt

The samples were received on 7/29/2021 1:36 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 4.6° C

HPLC/IC

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

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Job ID: 890-1027-1

Matrix: Solid

Matrix: Solid

Matrix: Solid

Client: TRC Solutions, Inc. Project/Site: COG-GoldCoast

Client Sample ID: FL-6@ 4.5

Lab Sample ID: 890-1027-1 Date Collected: 07/28/21 11:30

Matrix: Solid

Date Received: 07/29/21 13:36

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL **MDL** Unit D Prepared Analyzed Dil Fac Chloride 5.81 5.04 mg/Kg 07/30/21 16:40

Lab Sample ID: 890-1027-2 Client Sample ID: FL-7@ 4.5

Date Collected: 07/28/21 11:45

Date Received: 07/29/21 13:36

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL D Analyzed Dil Fac Unit Prepared 4.95 07/30/21 16:57 Chloride 710 mg/Kg

Client Sample ID: OVERBURDEN-5 Lab Sample ID: 890-1027-3

Date Collected: 07/29/21 08:00 **Matrix: Solid**

Date Received: 07/29/21 13:36

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RL MDL Unit D Prepared Analyzed Dil Fac Chloride 4.96 07/30/21 17:02 28.6 mg/Kg

Client Sample ID: OVERBURDEN-6 Lab Sample ID: 890-1027-4

Date Collected: 07/29/21 08:05

Date Received: 07/29/21 13:36

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 5.04 07/30/21 17:08 Chloride 38.8 mg/Kg

Client Sample ID: OVERBURDEN-7 Lab Sample ID: 890-1027-5

Date Collected: 07/29/21 08:10

Date Received: 07/29/21 13:36

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier MDL Unit Analyte RL D Prepared Analyzed Dil Fac Chloride 57.4 4.98 mg/Kg 07/30/21 17:13

Client Sample ID: OVERBURDEN-8 Lab Sample ID: 890-1027-6

Date Collected: 07/29/21 08:15 **Matrix: Solid**

Date Received: 07/29/21 13:36

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 5.00 07/30/21 17:30 Chloride 77.9 mg/Kg

Client Sample ID: OVERBURDEN-9 Lab Sample ID: 890-1027-7

Date Collected: 07/29/21 08:20 Date Received: 07/29/21 13:36

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chloride <4.96 U 4.96 07/30/21 17:35 mg/Kg

Eurofins Xenco, Carlsbad

Matrix: Solid

Job ID: 890-1027-1

Client: TRC Solutions, Inc. Project/Site: COG-GoldCoast

Client Sample ID: OVERBURDEN-10

Lab Sample ID: 890-1027-8

Lab Sample ID: 890-1027-12

Matrix: Solid

Date Collected: 07/29/21 08:30 Date Received: 07/29/21 13:36

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte Result Qualifier RL **MDL** Unit D Prepared Analyzed Dil Fac Chloride 4.95 mg/Kg 07/30/21 17:41 34.9

Client Sample ID: OVERBURDEN-11

Lab Sample ID: 890-1027-9 Date Collected: 07/29/21 08:35 **Matrix: Solid**

Date Received: 07/29/21 13:36

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL D Dil Fac Unit Prepared Analyzed 5.02 07/30/21 17:47 Chloride 28.0 mg/Kg

Client Sample ID: OVERBURDEN-12

Lab Sample ID: 890-1027-10 Date Collected: 07/29/21 08:40 **Matrix: Solid**

Date Received: 07/29/21 13:36

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RL MDL Unit D Prepared Analyzed Dil Fac Chloride 144 5.05 07/30/21 17:52 mg/Kg

Client Sample ID: OVERBURDEN-13

Lab Sample ID: 890-1027-11 Date Collected: 07/29/21 08:50 **Matrix: Solid**

Date Received: 07/29/21 13:36

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RL MDL Unit D Prepared Analyzed Dil Fac 4.95 07/30/21 17:58 Chloride 85.6 mg/Kg

Client Sample ID: OVERBURDEN-14

Date Collected: 07/29/21 08:55 **Matrix: Solid**

Date Received: 07/29/21 13:36

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier MDL Unit Analyte RL D Prepared Analyzed Dil Fac Chloride 261 5.01 mg/Kg 07/30/21 18:14

Client Sample ID: OVERBURDEN-15 Lab Sample ID: 890-1027-13

Date Collected: 07/29/21 09:00 Date Received: 07/29/21 13:36

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Chloride 5.00 07/30/21 18:20 96.0 mg/Kg

Eurofins Xenco, Carlsbad

Matrix: Solid

Prep Type: Soluble

0/ Doo

Client Sample ID: FL-6@ 4.5

Client Sample ID: FL-6@ 4.5

Client Sample ID: OVERBURDEN-13

Client Sample ID: OVERBURDEN-13

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Client: TRC Solutions, Inc. Job ID: 890-1027-1

Project/Site: COG-GoldCoast

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-5876/1-A Client Sample ID: Method Blank

MR MR

Matrix: Solid

Analysis Batch: 5887

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		ma/Ka			07/30/21 15:28	1

Lab Sample ID: LCS 880-5876/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 5887

	Spike	LUG	LUS				MRec.	
Analyte	Added	Result (Qualifier	Unit	D	%Rec	Limits	
Chloride	 250	261.4		mg/Kg		105	90 - 110	

Lab Sample ID: LCSD 880-5876/3-A Client Sample ID: Lab Control Sample Dup Matrix: Solid **Prep Type: Soluble**

Analysis Batch: 5887

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	261.1		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 890-1027-1 MS

Matrix: Solid

Analysis Batch: 5887

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	5.81		252	265.2		mg/Kg	_	103	90 - 110	

Lab Sample ID: 890-1027-1 MSD

Matrix: Solid

Analysis Batch: 5887

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	5.81		252	264.9		ma/Ka		103	90 - 110		20	

Lab Sample ID: 890-1027-11 MS

Matrix: Solid

Analysis Batch: 5887

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	85.6		248	335.7		mg/Kg	_	101	90 - 110	

Lab Sample ID: 890-1027-11 MSD

Matrix: Solid

Analysis Batch: 5887											
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	85.6		248	335.3	-	mg/Kg		101	90 - 110	0	20

Eurofins Xenco, Carlsbad

QC Association Summary

Client: TRC Solutions, Inc. Job ID: 890-1027-1 Project/Site: COG-GoldCoast

HPLC/IC

Leach Batch: 5876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1027-1	FL-6@ 4.5	Soluble	Solid	DI Leach	
890-1027-2	FL-7@ 4.5	Soluble	Solid	DI Leach	
890-1027-3	OVERBURDEN-5	Soluble	Solid	DI Leach	
890-1027-4	OVERBURDEN-6	Soluble	Solid	DI Leach	
890-1027-5	OVERBURDEN-7	Soluble	Solid	DI Leach	
890-1027-6	OVERBURDEN-8	Soluble	Solid	DI Leach	
890-1027-7	OVERBURDEN-9	Soluble	Solid	DI Leach	
890-1027-8	OVERBURDEN-10	Soluble	Solid	DI Leach	
890-1027-9	OVERBURDEN-11	Soluble	Solid	DI Leach	
890-1027-10	OVERBURDEN-12	Soluble	Solid	DI Leach	
890-1027-11	OVERBURDEN-13	Soluble	Solid	DI Leach	
890-1027-12	OVERBURDEN-14	Soluble	Solid	DI Leach	
890-1027-13	OVERBURDEN-15	Soluble	Solid	DI Leach	
MB 880-5876/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-5876/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-5876/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1027-1 MS	FL-6@ 4.5	Soluble	Solid	DI Leach	
890-1027-1 MSD	FL-6@ 4.5	Soluble	Solid	DI Leach	
890-1027-11 MS	OVERBURDEN-13	Soluble	Solid	DI Leach	
890-1027-11 MSD	OVERBURDEN-13	Soluble	Solid	DI Leach	

Analysis Batch: 5887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
390-1027-1	FL-6@ 4.5	Soluble	Solid	300.0	5876
390-1027-2	FL-7@ 4.5	Soluble	Solid	300.0	5876
390-1027-3	OVERBURDEN-5	Soluble	Solid	300.0	5876
890-1027-4	OVERBURDEN-6	Soluble	Solid	300.0	5876
390-1027-5	OVERBURDEN-7	Soluble	Solid	300.0	5876
390-1027-6	OVERBURDEN-8	Soluble	Solid	300.0	5876
390-1027-7	OVERBURDEN-9	Soluble	Solid	300.0	5876
390-1027-8	OVERBURDEN-10	Soluble	Solid	300.0	5876
390-1027-9	OVERBURDEN-11	Soluble	Solid	300.0	5876
390-1027-10	OVERBURDEN-12	Soluble	Solid	300.0	5876
390-1027-11	OVERBURDEN-13	Soluble	Solid	300.0	5876
390-1027-12	OVERBURDEN-14	Soluble	Solid	300.0	5876
390-1027-13	OVERBURDEN-15	Soluble	Solid	300.0	5876
MB 880-5876/1-A	Method Blank	Soluble	Solid	300.0	5876
_CS 880-5876/2-A	Lab Control Sample	Soluble	Solid	300.0	5876
CSD 880-5876/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	5876
390-1027-1 MS	FL-6@ 4.5	Soluble	Solid	300.0	5876
390-1027-1 MSD	FL-6@ 4.5	Soluble	Solid	300.0	5876
390-1027-11 MS	OVERBURDEN-13	Soluble	Solid	300.0	5876
390-1027-11 MSD	OVERBURDEN-13	Soluble	Solid	300.0	5876

Eurofins Xenco, Carlsbad

Job ID: 890-1027-1

Client: TRC Solutions, Inc. Project/Site: COG-GoldCoast

Client Sample ID: FL-6@ 4.5 Lab Sample ID: 890-1027-1 Date Collected: 07/28/21 11:30

Matrix: Solid

Date Received: 07/29/21 13:36

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	5876	07/30/21 13:00	CH	XEN MID
Soluble	Analysis	300.0		1			5887	07/30/21 16:40	SC	XEN MID

Client Sample ID: FL-7@ 4.5 Lab Sample ID: 890-1027-2

Matrix: Solid

Date Collected: 07/28/21 11:45 Date Received: 07/29/21 13:36

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	5876	07/30/21 13:00	CH	XEN MID
Soluble	Analysis	300.0		1			5887	07/30/21 16:57	SC	XEN MID

Client Sample ID: OVERBURDEN-5 Lab Sample ID: 890-1027-3

Date Collected: 07/29/21 08:00 **Matrix: Solid**

Date Received: 07/29/21 13:36

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	5876	07/30/21 13:00	СН	XEN MID
Soluble	Analysis	300.0		1			5887	07/30/21 17:02	SC	XEN MID

Client Sample ID: OVERBURDEN-6 Lab Sample ID: 890-1027-4

Date Collected: 07/29/21 08:05

Date Received: 07/29/21 13:36

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	5876	07/30/21 13:00	CH	XEN MID
Soluble	Analysis	300.0		1			5887	07/30/21 17:08	SC	XEN MID

Client Sample ID: OVERBURDEN-7 Lab Sample ID: 890-1027-5

Date Collected: 07/29/21 08:10

Date Received: 07/29/21 13:36

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	5876	07/30/21 13:00	CH	XEN MID
Soluble	Analysis	300.0		1			5887	07/30/21 17:13	SC	XEN MID

Client Sample ID: OVERBURDEN-8 Lab Sample ID: 890-1027-6 Date Collected: 07/29/21 08:15 **Matrix: Solid**

Date Received: 07/29/21 13:36

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	5876	07/30/21 13:00	CH	XEN MID
Soluble	Analysis	300.0		1			5887	07/30/21 17:30	SC	XEN MID

Eurofins Xenco, Carlsbad

Matrix: Solid

Matrix: Solid

Job ID: 890-1027-1

Client: TRC Solutions, Inc. Project/Site: COG-GoldCoast

Client Sample ID: OVERBURDEN-9

Date Collected: 07/29/21 08:20 Date Received: 07/29/21 13:36 Lab Sample ID: 890-1027-7

Matrix: Solid

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	5876	07/30/21 13:00	CH	XEN MID
Soluble	Analysis	300.0		1			5887	07/30/21 17:35	SC	XEN MID

Client Sample ID: OVERBURDEN-10

Date Collected: 07/29/21 08:30 Date Received: 07/29/21 13:36 Lab Sample ID: 890-1027-8 **Matrix: Solid**

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	5876	07/30/21 13:00	СН	XEN MID
Soluble	Analysis	300.0		1			5887	07/30/21 17:41	SC	XEN MID

Client Sample ID: OVERBURDEN-11

Date Collected: 07/29/21 08:35

Date Received: 07/29/21 13:36

Lab Sample ID: 890-1027-9

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	5876	07/30/21 13:00	СН	XEN MID
Soluble	Analysis	300.0		1			5887	07/30/21 17:47	SC	XEN MID

Client Sample ID: OVERBURDEN-12

Date Collected: 07/29/21 08:40

Date Received: 07/29/21 13:36

Lab Sample	ID: 890-1027-10
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Lab Sample ID: 890-1027-11

Matrix: Solid

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	5876	07/30/21 13:00	CH	XEN MID
Soluble	Analysis	300.0		1			5887	07/30/21 17:52	SC	XEN MID

Client Sample ID: OVERBURDEN-13

Date Collected: 07/29/21 08:50

Date Received: 07/29/21 13:36

_										
	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	5876	07/30/21 13:00	CH	XEN MID
Soluble	Analysis	300.0		1			5887	07/30/21 17:58	SC	XEN MID

Date Collected: 07/29/21 08:55

Date Received: 07/29/21 13:36

	Batch	Batch		DII	Initial	Finai	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	5876	07/30/21 13:00	CH	XEN MID
Soluble	Analysis	300.0		1			5887	07/30/21 17:58	SC	XEN MID
Client Samp	ole ID: OVER	BURDEN-14						Lab Samp	ole ID: 8	90-1027-12

_										
	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	5876	07/30/21 13:00	CH	XEN MID
Soluble	Analysis	300.0		1			5887	07/30/21 18:14	SC	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: TRC Solutions, Inc.

Job ID: 890-1027-1

Project/Site: COG-GoldCoast

Client Sample ID: OVERBURDEN-15 Lab Sample ID: 890-1027-13

Date Collected: 07/29/21 09:00 Matrix: Solid

Date Received: 07/29/21 13:36

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	5876	07/30/21 13:00	CH	XEN MID
Soluble	Analysis	300.0		1			5887	07/30/21 18:20	SC	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Accreditation/Certification Summary

Client: TRC Solutions, Inc.

Job ID: 890-1027-1

Project/Site: COG-GoldCoast

Laboratory: Eurofins Xenco, Midland

The accreditations/certifications listed below are applicable to this report.

	Authority	Program	Identification Number	Expiration Date
١	Texas	NELAP	T104704400-20-21	06-30-22

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Method Summary

Client: TRC Solutions, Inc. Project/Site: COG-GoldCoast

Job ID: 890-1027-1

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

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Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Sample Summary

Client: TRC Solutions, Inc.

Project/Site: COG-GoldCoast

Job ID: 890-1027-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-1027-1	FL-6@ 4.5	Solid	07/28/21 11:30	07/29/21 13:36
890-1027-2	FL-7@ 4.5	Solid	07/28/21 11:45	07/29/21 13:36
890-1027-3	OVERBURDEN-5	Solid	07/29/21 08:00	07/29/21 13:36
890-1027-4	OVERBURDEN-6	Solid	07/29/21 08:05	07/29/21 13:36
890-1027-5	OVERBURDEN-7	Solid	07/29/21 08:10	07/29/21 13:36
890-1027-6	OVERBURDEN-8	Solid	07/29/21 08:15	07/29/21 13:36
890-1027-7	OVERBURDEN-9	Solid	07/29/21 08:20	07/29/21 13:36
390-1027-8	OVERBURDEN-10	Solid	07/29/21 08:30	07/29/21 13:36
890-1027-9	OVERBURDEN-11	Solid	07/29/21 08:35	07/29/21 13:36
390-1027-10	OVERBURDEN-12	Solid	07/29/21 08:40	07/29/21 13:36
890-1027-11	OVERBURDEN-13	Solid	07/29/21 08:50	07/29/21 13:36
890-1027-12	OVERBURDEN-14	Solid	07/29/21 08:55	07/29/21 13:36
890-1027-13	OVERBURDEN-15	Solid	07/29/21 09:00	07/29/21 13:36

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ed where applicable On Ice Cooley Temp. Thermo. Corr. Factor	Ē	Preserved where applicable	Custody Seal # PI			Received By:	os 20	Date Time:		ned by:	Relinquished by:
	4		Kelinquistied by:			Received by:	ω 7	Date Time:		hed by:	Kelinquished by:
	12:00/2	7/29/21	2	,	V	1200	1700	7.28.21		(6) (2)	1 1
1 By:		Date Time:	DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURSER DELIVERY Received By: Received By: Date	ANGE POSSE	AE SAMPLES CH	BELOW EACH TH	CUMENTED	MUST BE	SAMPLE CUSTODY		
racking #	FED-EX / UPS: Tracking #								f received by 5:00	TAT Starts Day received by Lab, if received by 5:00 pm	TAT
					hecklist	TRRP Checklist				3 Day EMERGENCY	3 Da
			UST / RG -411		Level 3 (CLP Forms)	Level 3		_	Contract TAT	2 Day EMERGENCY	2 Da
			TRRP Level IV		Level III Std QC+ Forms	Level II			7 Day TAT	Next Day EMERGENCY	Next
		kg /raw data)	Level IV (Full Data Pkg /raw data)		Std QC	Level II Std QC			6 Day TAT	Day TAT	Same Day TAT
	Notes:			le Information	Data Deliverable Information					Turnaround Time (Business days)	┌
		,			1	s 078	779.72 8	17		OVERBURDEN -12	10 C
		2				s 558	3,24.21	2,		Drangunger-11	0
		,			-3	830 s	7252 E	H		Overbunan -10	8
		,				820 s	1.29.71	7		OverBurgen - 9	7 0
oac-102/ Chain of Custody		,				815 8	7.29.20	7		OVERBUNDEN - B	0
		\				8/0 s	7.79.71	7		CHRBUMDEN -7	5
		7				Sos s	7.25.26	H.		OVERWIZOEN-6	4
		(-3	s 008	7.79.21 9	1		CHERRALDEN -5	3
		7				1145 8	77821	7. 5.4		2-7045	2
		1				1/30 8	7.7321	4.5. 4		2-684.5	1
Field Comments		Chlorides	NaOH NaHSO4 MEOH	NaOH/Zn Acetate	hotiles	Time Matrix	Date	Sample Depth		Field ID / Point of Collection	N _o
A = Air		5								Samplers's Name: Russell Sebring	samplers's N
O = Oil WW = Waste Water							Invoice:	inv		Jared Stoffel	Jared S
SL = Sludge OW = Ocean/Sea Water WI = Wipe					COG-Ike Tavarez	COG-Ik			432-215-6730	Letting we companies com Istoffel@trcCompanies.com Ike tavarez@conocophillips	ke tavarez
P = Product SW = Surface water			7				Jai NM	Ja	!!	uite 130E 9705	10 Desta Dr. Suite 130E Midland, TX 79705
GW = Ground Water	_				i		Project Location:	Pro		iress:	Company Address:
S = Soll/Sed/Solid		-				Imber:	Project Name/Number: COG-GoldCoast	0 7		Company Name / Branch: TRC Environmental Corporation	Company Name / Branch: TRC Environmental (
W - Water					Project Information					Client / Reporting Information	Clie
Matrix Codes	Analytical Information	Analytical in Analy									
)b#	Xenco Job#	Xenco Quote #		13	mico com www						
					51)	Midland, Texas (432-704-5251)	dland, Tex	<u>×</u>		Dallas Texas (214-902-0300)	Dallas T
		Arizona (480-355-0900)	Þ		9-3334)	San Antonio, Texas (210-509-3334)	n Antonio,	Sa		Stafford, Texas (281-240-4200)	Stafford

Setting the Standard since 1990 Stafford, Texas (281-240-4200)

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Stafford, Texas (281-240-4200)	San Antonio, Texas (210-509-3334)	509-3334)	Arizona (480-355-0900)		
Dallas Texas (214-902-0300)	Midland, Texas (432-704-5251)	WUNN XETICO COTT	Xenco Quote #	Xenco Job #	
			Analytical in Analytical	Analytical Information	Matrix Codes
Client / Reporting Information	Projec	Project Information			:
Company Name / Branch: TRC Environmental Corporation	Project Name/Number: COG-GoldCoast				W = Water S = Soil/Sed/Solid
Company Address: 10 Desta Dr. Suite 130E	Project Location:				GW =Ground water DW = Drinking Water P = Product
Modella 1879703 Phone No: Email: (Sobt/Ing@Ncccompanies.com 180ffel@nccCompanies.com 432-215-6730 Re tavarez@conocophilips	Invoice To:	COG-lke Tavarez			SW = Surface water SL = Sludge OW =Ocean/Sea Water
Project Contact: Jared Stoffel	Invoice:				O = Oil
Samplers's Name: Russell Sebring		- 100 C			ww= Waste Water
	Collection	Nonce of programs	Document Programmes and the second programmes are second programmes are second programmes are second programmes and the second programmes are second programmes and the second programmes are		A = Air
No. Field ID / Point of Collection	Time	Malifix Dot ## 02 HCI NaOH/Zn Acetate HNO3 H2SO4 NaOH	NaHSO4 MEOH NONE Chloride		Field Comments
1 OYERBURDIN -13	平元71 850	· σ	2		
2 OVERBURDEN - 14	1	σ			
3 OVERBURDEN - 15	72,7 900	S	5		
4		<i>s</i>			
O		σ			
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7		σ			
8		σ -			
9		σ			
10		ري م			
Fornaround Time (Business days)		Data Deliverable Information		Notes:	
Same Day TAT		Level II Std QC	Level IV (Full Data Pkg /raw data)		
Next Day EMERGENCY 7 Day TAT		Level III Std QC+ Forms TRRP Level IV	vel IV		
2 Day EMERGENCY Contract TAT		Level 3 (CLP Forms) UST / RG -411	-411		
3 Day EMERGENCY	TRRF	TRRP Checklist			
TAT Starts Day received by Lab, if received by 5:00 pm	by 5:00 pm			FED-EX / UPS: Tracking #	
Relinquished by Sample:) IMENIE	Relinquished By:	ned By: Date Time:	Rece	
Relinquished by:	Date Time! Received By:	Relinquished By:	Date Time:	- 1	
		4		.	Temp Thermo Corr Factor
Relinquished by:	Date Time: Received By:	Custody Seal #	seal # Preserved where applicable	4. %	4.8/4.6 -0.7
torities. Notice. Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontactors, it assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility of any to any order from client company to Xenco its affiliates and subcontactors, it assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples are due to circumstances beyond the control of Xenco. A minimum charge of \$75 will be applied to each project. Xenco's liability will be limited to the cost of samples. Any samples received by Xenco but not analyzed will be involved at \$5 per sample. These terms	ss constitutes a valid purchase order from client compar sstances beyond the control of Xenco. A minimum charg	ny to Xenco, its affiliates and subcontractors. It ass ge of \$75 will be applied to each project. Xenco's II	signs standard terms and conditions of service. lability will be limited to the cost of samples. Any	Xenco will be liable only for the cost of samples samples received by Xenco but not analyzed w	and shall not assume any responsibility for any fill be invoiced at \$5 per sample. These terms

Page 16 of 20

Eurofins Xento, Carlsbad

Chain of Custody Record

Environment Testing America

Carlsbad, NM 88220 Phone 575-988-3199 Fa

Fildig 0/0-800-0188 Lax 0/0-800-0188									
Client Information (Sub Contract Lab)	Sampler		7 [Lab PM Kramer Jessica	8	Carrier Tracking No(s)	No(s)	COC No: 890-325 1	
Client Contact: Shipping/Receiving	Phone		<u>⊛. ú</u>	E-Mail jessica kramer	E-Mail jessica kramer@eurofinset.com	State of Origin. New Mexico		Page Page 1 of 2	
Company Eurofins Xenco				Accreditatio NELAP -				Job #: 890-1027-1	
Address 1211 W Florida Ave,	Due Date Requested: 7/30/2021	ų.			/sis	Requested		Preservation Codes	1
City Midland	TAT Requested (days)	/s)·						A - HCL B NaOH	
State, Zip: TX, 79701								C Zn Acetate D Nitric Acid E - NaHSO4	O AsNaO2 P Na2O4S Q - Na2SO3
Phone 432-704-5440(Tel)	PO#							F - MeOH G - Amchlor	R - Na2S2O3 S H2SO4
Email	#O#			No)			rs	J DI Water	U Acetone V MCAA
Project Name: COG-GoldCoast	Project #: 88000402			es or			itaine	K EDTA L EDA	W - pH 4-5 Z - other (specify)
Site	SSOW#:			SD (Y			of co	Other:	
		Sample (Ca	Sample (w=water Type S=solid, O=waste/olit,	d Filtered form MS/N ORGFM_28			ii Number		
Sample Identification - Client ID (Lab ID)	Sample Date	Time G=	G=grab)	X Fi				Special I	Special Instructions/Note:
FL-6@ 4 5 (890-1027-1)	7/28/21		Solid	×			>		
FL-7@ 4 5 (890-1027-2)	7/28/21	11 45 Mountain	Solid	×			-		
OVERBURDEN-5 (890-1027-3)	7/29/21	08 00 Mountain	Solid	×					
OVERBURDEN-6 (890-1027-4)	7/29/21	08 05 Mountain	Solid	×			. الحد		
OVERBURDEN-7 (890-1027-5)	7/29/21	08 10 Mountain	Solid	×			-4		
OVERBURDEN-8 (890-1027-6)	7/29/21	08 15 Mountain	Solid	×					
OVERBURDEN-9 (890-1027-7)	7/29/21	08 20 Mountain	Solid	×			-		
OVERBURDEN-10 (890-1027-8)	7/29/21	08 30 Mountain	Solid	×					
OVERBURDEN-11 (890-1027-9)	7/29/21	Mountain	Solid	×			-		
Note: Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instruLLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC	places the ownership opening analyzed the sa m the signed Chain of	of method analyte mples must be shi f Custody attesting	& accreditation com pped back to the Eur to said complicance	pliance upon out ofins Xenco LLC to Eurofins Xen	O	oratories This sample shipment is to re instructions will be provided. Any	This sample shipment is forwarded under chain-of-custody If the labitions will be provided. Any changes to accreditation status should be	If the lab should be	If the laboratory does not currently should be brought to Eurofins Xenco
Possible Hazard Identification				Samp	8	may be assessed if samples	amples are retair	are retained longer than	1 month)
Deliverable Requested I, II, III, IV, Other (specify)	Primary Deliverable Rank. 2	ble Rank. 2		Specia	Special Instructions/QC Requirements	ements		KICHIYE FOI	MOnths
Empty Kit Relinquished by	-	Date		Time) 1	Method of	Method of Shipment:		
Relinquished by UV (W \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Date/Time.		Company	Re		OR		2) jos	Company
Namidra na	Date/ I me		Company	Report	served by:		Date/Time: /		Company
j	Date/Time		Company	₹ Æ	Received by		Date/Time:		Company
Custody Seals Intact: Custody Seal No				င၀	Cooler Temperature(s) °C and Ott	and Other Remarks			

Eurofins Xenco, Carlsbad 1089 N Canal St. Carlsbad N8220 Carlsbad N8220	Chain of Custody Record	y Record		eurofins Environment Testing
	Sampler	Lab PM	Carrier Tracking No(s).	COC No:
Client Information (Sub Contract Lab)		Kramer Jessica		890-325 2
Client Contact:	Phone	E-Mail	State of Origin.	Page:
Shipping/Receiving		jessica kramer@eurofinset.com	New Mexico	Page 2 of 2
Company:		Accreditations Required (See note)		Job#
Eurofins Xenco		NELAP - Texas		890-1027-1
Address	Due Date Requested		•	Preservation Codes
1211 W Florida Ave	7/30/2021	Analysis Requested	quested	A HCL M Hexane
		Section Sectio		

FIIONE 0/0-900-3199 FdX. 0/0-900-3199																1
Client Information (Sub Contract Lab)	Sampler			Lab PM Kramer	M ner Jessica	à			Carrier Tracking No(s).	king No(s).		8 0	COC No: 890-325 2			
1	Phone			E-Mail Jessic	ı ca kramer	E-Mail Jessıca kramer@eurofinset.com	et.com		State of Origin. New Mexico	8 🖹		چ وړ	Page [.] Page 2 of 2			
Company Eurofins Xenco					Accreditatio	Accreditations Required (See NELAP - Texas	(See note)					98 or	Job #: 890-1027-1			
Address 1211 W Florida Ave	Due Date Requested 7/30/2021						Analysis		Requested				Preservation Codes A HCL M	- 1	Hexane	
City Midland	TAT Requested (days)	ys)			906							C B :		N None O AsNac	None AsNaO2	
State Zip TX 79701												סוחי			Na2O4S Na2SO3	
Phone 432-704-5440(Tel)	PO#				. 4						5 4 4	ΙO-	Amchlor Ascorbic Acid	o z	H2SO4 TSP Dodecahydrate	
the state of the s	WO #:				No)							open distribute		< C	Acetone MCAA	
Project Name COG-GoldCoast	Project # [.] 88000402				es or							ntain	EDA	Z othe	other (specify)	
Site	SSOW#				ISD (Y							on formation and the second	Other [.]			
))	rp		W=water S=solid, O=waste/oil, BT=Tissue,	ield Filtered erform MS/I 00_ORGFM_2							otal Numbe				
	X	1.	Preservation Code.	on Code.	VILLEY.		1999					X				Sees to AS
OVERBURDEN-12 (890-1027-10)	7/29/21	Mountain		Solid	,							H				1
OVERBURDEN-13 (890-1027-11)	7/29/21	08 50 Mountain		Solid	×	, ,					and the second				STATE OF THE PROPERTY OF THE P	
OVERBURDEN-14 (890-1027-12)	7/29/21	08 55 Mountain		Solid	×							4				·
OVERBURDEN-15 (890-1027-13)	7/29/21	09 00 Mountain		Solid	×											
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Note. Since laboratory accreditations are subject to change. Eurofins Xenco LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC.	laces the ownership sing analyzed the sa n the signed Chain o	of method, and amples must be of Custody attes	alyte & accredit shipped back sting to said co	ation compliar to the Eurofine mplicance to E	nce upon out s Xenco LLC Eurofins Xen	subcontract laboratory c co LLC	laboratories r other instru	This sampl ctions will be	e shipment i provided.	s forwardec ^A ny change	under chai s to accredi	n-of-cu tation s	stody If the lat	oratory doe brought to	es not currently Eurofins Xenco	
Possible Hazard Identification					Samp □	Sample Disposal (A fee	al (A fee I	may be assessed if samples are retained longer	assessed if san Disposal By Lah	fsample. / Lab	s are reta	tained long Archive For	longer than	than 1 month) Mon	nth) Months	
Deliverable Requested I, II, III, IV Other (specify)	Primary Deliverable Rank 2	ble Rank 2			Specia	Special Instructions/()C Requirements	টে							
Empty Kit Relinquished by		Date			Time		>		Metho	Method of Shipment:	nt:					
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Custody Seals Intact. Custody Seal No					Coc	oler Tempera	Cooler Temperature(s) °C and Other Remarks	d Other Ren	narks							نــــــ
es					_											•

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-1027-1

Login Number: 1027 List Source: Eurofins Xenco, Carlsbad

List Number: 1 Creator: Clifton, Cloe

Question	Answer	Comment
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.	True	
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?	True	
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.	N/A	
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	

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Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-1027-1

List Source: Eurofins Xenco, Midland
List Number: 2
List Creation: 07/30/21 11:24 AM

Creator: Kramer, Jessica

Question	Answer	Comment
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.	True	
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?	True	
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	
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").	True	

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Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Carlsbad 1089 N Canal St. Carlsbad, NM 88220 Tel: (575)988-3199

Laboratory Job ID: 890-1062-1

Client Project/Site: COG - GoldCoast

For:

TRC Solutions, Inc. 2057 Commerce Drive Midland, Texas 79703

Attn: Jared Stoffel

MAMER

Authorized for release by: 8/6/2021 8:39:58 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

LINKS

Review your project results through

Have a Question?



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www.eurofinsus.com/Env

Released to Imaging: 3/30/2022 11:15:24 AM

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Laboratory Job ID: 890-1062-1

Client: TRC Solutions, Inc. Project/Site: COG - GoldCoast

Table of Contents

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Definitions/Glossary

Client: TRC Solutions, Inc.

Job ID: 890-1062-1

Project/Site: COG - GoldCoast

Qualifiers

HPLC/IC

Qualifier Qualifier Description

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Eisted 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

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

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Case Narrative

Client: TRC Solutions, Inc.

Job ID: 890-1062-1

Project/Site: COG - GoldCoast

Job ID: 890-1062-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-1062-1

Receipt

The samples were received on 8/5/2021 1:54 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 5.6° C

HPLC/IC

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

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Job ID: 890-1062-1

Client: TRC Solutions, Inc. Project/Site: COG - GoldCoast

Client Sample ID: SW-18

Lab Sample ID: 890-1062-1

Matrix: Solid

Date Collected: 08/04/21 14:00 Date Received: 08/05/21 13:54

Method: 300.0 - Anions, lo	n Chromatography - Soluble
Analyte	Result Qualifier

RL Unit D Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 08/06/21 15:19 mg/Kg

Client Sample ID: SW-19 Lab Sample ID: 890-1062-2 Date Collected: 08/04/21 14:15 **Matrix: Solid**

Date Received: 08/05/21 13:54

Method: 300.0 - Anions, Ion Chron	natography - So	luble					
Analyte	Result Qu	ualifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	227	4.98	mg/Kg			08/06/21 15:24	1

Client Sample ID: SW-21 Lab Sample ID: 890-1062-4 **Matrix: Solid**

Date Collected: 08/04/21 14:45 Date Received: 08/05/21 13:54

Method: 300.0 - Anions, Ion Chrom	atography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	524		5.00	mg/Kg			08/06/21 15:30	1

Client Sample ID: SW-20 Lab Sample ID: 890-1062-5 **Matrix: Solid**

Date Collected: 08/04/21 15:00

Date Received: 08/05/21 13:54

Method: 300.0 - Anions, Ion Chrom	atography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	153		5.04	mg/Kg			08/06/21 15:35	1

Lab Sample ID: 890-1062-7 Client Sample ID: SW-29

Date Collected: 08/04/21 15:30

Date Received: 08/05/21 13:54

Method: 300.0 - Anions, Ion Chron	natography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.05	U	5.05	mg/Kg			08/06/21 15:41	1

Eurofins Xenco, Carlsbad

Matrix: Solid

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Client Sample ID: SW-29

Client Sample ID: SW-29

Prep Type: Soluble

Prep Type: Soluble

Client: TRC Solutions, Inc. Job ID: 890-1062-1

Project/Site: COG - GoldCoast

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-6177/1-A

Matrix: Solid

Analysis Batch: 6181

MB MB Dil Fac Analyte Result Qualifier RL Unit D Prepared Analyzed Chloride <5.00 U 5.00 mg/Kg 08/06/21 14:08

Lab Sample ID: LCS 880-6177/2-A

Matrix: Solid

Analysis Batch: 6181

Spike LCS LCS %Rec. Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 260.3 mg/Kg 104 90 - 110

Lab Sample ID: LCSD 880-6177/3-A

Matrix: Solid

Analysis Batch: 6181

LCSD LCSD %Rec. RPD Spike Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Chloride 250 260.2 20 mg/Kg 104 90 - 110

Lab Sample ID: 890-1062-7 MS

Matrix: Solid

Analysis Batch: 6181

Spike MS MS %Rec. Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits <5.05 Chloride 253 261.9 103 90 - 110 mg/Kg

Lab Sample ID: 890-1062-7 MSD

Matrix: Solid

Analysis Batch: 6181

Sample Sample Spike MSD MSD %Rec. RPD Added Analyte Result Qualifier Result Qualifier Unit %Rec Limits RPD Limit Chloride <5.05 U 253 262.0 mg/Kg 103 90 - 110 0 20

QC Association Summary

Client: TRC Solutions, Inc.

Job ID: 890-1062-1

Project/Site: COG - GoldCoast

HPLC/IC

Leach Batch: 6177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1062-1	SW-18	Soluble	Solid	DI Leach	
890-1062-2	SW-19	Soluble	Solid	DI Leach	
890-1062-4	SW-21	Soluble	Solid	DI Leach	
890-1062-5	SW-20	Soluble	Solid	DI Leach	
890-1062-7	SW-29	Soluble	Solid	DI Leach	
MB 880-6177/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-6177/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-6177/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1062-7 MS	SW-29	Soluble	Solid	DI Leach	
890-1062-7 MSD	SW-29	Soluble	Solid	DI Leach	

Analysis Batch: 6181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1062-1	SW-18	Soluble	Solid	300.0	6177
890-1062-2	SW-19	Soluble	Solid	300.0	6177
890-1062-4	SW-21	Soluble	Solid	300.0	6177
890-1062-5	SW-20	Soluble	Solid	300.0	6177
890-1062-7	SW-29	Soluble	Solid	300.0	6177
MB 880-6177/1-A	Method Blank	Soluble	Solid	300.0	6177
LCS 880-6177/2-A	Lab Control Sample	Soluble	Solid	300.0	6177
LCSD 880-6177/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	6177
890-1062-7 MS	SW-29	Soluble	Solid	300.0	6177
890-1062-7 MSD	SW-29	Soluble	Solid	300.0	6177

Eurofins Xenco, Carlsbad

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Job ID: 890-1062-1

Client: TRC Solutions, Inc. Project/Site: COG - GoldCoast

Client Sample ID: SW-18

Lab Sample ID: 890-1062-1

Matrix: Solid

Date Collected: 08/04/21 14:00 Date Received: 08/05/21 13:54

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	6177	08/06/21 11:31	SC	XEN MID
Soluble	Analysis	300.0		1			6181	08/06/21 15:19	SC	XEN MID

Client Sample ID: SW-19 Lab Sample ID: 890-1062-2

Date Collected: 08/04/21 14:15 Date Received: 08/05/21 13:54

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared **Prep Type** Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Soluble DI Leach 6177 SC XEN MID Leach 5.02 g 50 mL 08/06/21 11:31 300.0 SC Soluble Analysis 6181 08/06/21 15:24 XEN MID 1

Client Sample ID: SW-21 Lab Sample ID: 890-1062-4

Date Collected: 08/04/21 14:45

Date Received: 08/05/21 13:54

Matrix: Solid

Batch Dil Initial Batch Batch Final Prepared Method Factor Amount or Analyzed **Prep Type** Type Run Amount Number Analyst Lab Soluble Leach DI Leach 5 g 50 mL 6177 08/06/21 11:31 XEN MID Soluble 300.0 6181 08/06/21 15:30 SC XEN MID Analysis 1

Client Sample ID: SW-20 Lab Sample ID: 890-1062-5

Matrix: Solid

Date Collected: 08/04/21 15:00 Date Received: 08/05/21 13:54

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	6177	08/06/21 11:31	SC	XEN MID
Soluble	Analysis	300.0		1			6181	08/06/21 15:35	SC	XEN MID

Client Sample ID: SW-29 Lab Sample ID: 890-1062-7

Date Collected: 08/04/21 15:30

Matrix: Solid

Date Received: 08/05/21 13:54

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	6177	08/06/21 11:31	SC	XEN MID
Soluble	Analysis	300.0		1			6181	08/06/21 15:41	SC	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: TRC Solutions, Inc. Job ID: 890-1062-1

Project/Site: COG - GoldCoast

Laboratory: Eurofins Xenco, Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-22

0J 430

Method Summary

Client: TRC Solutions, Inc. Project/Site: COG - GoldCoast Job ID: 890-1062-1

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Sample Summary

Client: TRC Solutions, Inc.

Project/Site: COG - GoldCoast

Job ID: 890-1062-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-1062-1	SW-18	Solid	08/04/21 14:00	08/05/21 13:54
890-1062-2	SW-19	Solid	08/04/21 14:15	08/05/21 13:54
890-1062-4	SW-21	Solid	08/04/21 14:45	08/05/21 13:54
890-1062-5	SW-20	Solid	08/04/21 15:00	08/05/21 13:54
890-1062-7	SW-29	Solid	08/04/21 15:30	08/05/21 13:54

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elinguished by: (Signature)

Received by: (Signature)

12/5/12/5/ Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Revised Date: 08/25/2020 Rev. 2020.

eurofins

Phone:

City, State ZIP:

\ddress: ompany Name:

roject Manager:

720 10 air

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Company Name: Bill to: (if different)

Program: UST/PST 🗌 PRP 🗎 Brownfields 🗎 RRC 🗎 Superfund 🗎

Work Order Comments

www.xenco.com

Page

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State of Project:

42:0

STOP FEL

SAMPLE RECEIPT

Sampler's Name: Project Location: Project Number: Project Name:

> Xenco Environment Testing

Chain of Custody

Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

Work Order No:

		Addi Coo.		TODO I LOVE IVI
ity, State ZIP:	12 78705	City, State ZIP:	Reporting: Level II L	
hone:	Email:	Juaio, 1kg,	Deliverables: EDD	ADaPT L. Other:
roject Name: Cou-Goip Coxist		Turn Around	ANALYSIS REQUEST	Preservative Codes
ST.	Rout	Rush Code		None: NO DI Water: H ₂ O
roject Location:	Due Date:	24 mc		Cool: Cool MeOH: Me
Kusser	TAT starts th	TAT starts the day received by	-	HCL: HC HNO3: HN
		_		H ₂ SO ₄ : H ₂ NaOH: Na
AMPLE RECEIPT Temp Blank:	ank: Yes No Wet Ice:	No		H₃PO₄: HP
amples Received Intact: (Yes.) No	No Thermometer ID:	53		NaHSO ₄ : NABIS
<u>ن</u>	*	Pa	890-1062 Chain of C	Na ₂ S ₂ O ₃ : NaSO ₃
ample Custody Seals: Yes No	N/A Temperature Reading:	5,8/50		Zn Acetate+NaOH: Zn
	Corrected Temperature:			NaOH+Ascorbic Acid: SAPC
Sample Identification	Matrix Date Time Sampled	Depth Grab/ # of Cont		Sample Comments
Su-18	S 4,2m21 1400	- C-P 1		
50 - 19		,		
5w-19A	1430	Dieth, 1	6	HOLD - Pus IF
5w. 21	1445			19 15 > 600
5w - 201 Sw - 20	1500			
Sux-2013	1515	4,1	140	1242/F 20 > 600
Sw-29	0851			
SW-294	1545	Chet 1	5	Run F 29 > 600
				200 N C H C H V Z
Total 200.7 / 6010 200.8 / 6020:	8RC	PM Texas 11 Al Sb	As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K S	Pb Mg Mn Mo Ni K Se Ag SiO, Na Sr II Sn U V Zn
ircle Method(s) and Metal(s) to be analyzed		PLP 6010: 8RCRA St	TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U	Hg: 1631 / 245.1 / /4/0 / /4/1
tice: Signature of this document and relinquis service. Eurofins Xenco will be liable only for	hment of samples constitutes a valid	purchase order from client com ume any responsibility for any l	tice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control	and conditions ond the control
Eurofins Xenco. A minimum charge of \$85.00	will be applied to each project and a	charge of \$5 for each sample su	A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Aenco, but not analyzed, I ness terms will be amoreted unless bireviously inspenses.	
Relinioushed by: (Signature)	Received by: (Signature)		Date/Time Relinquished by: (Signature) Received	Received by: (Signature) Date/Time

Eurofins Xenco, Carlsbad

Carlsbad, NM 88220 Phone 575-988-3199 Fax: 575-988-3199 1089 N Canal St.

Chain of Custody Record

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eurofins :

Environment Testing

SW-29 (890-1062-7) SW-20 (890-1062-5) SW-19 (890-1062-2) SW-18 (890-1062-1) State, Zip TX, 79701 Deliverable Requested 1 II III, IV, Other (specify) Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC. SW-21 (890-1062-4) Sample Identification - Client ID (Lab ID) Project Name[.] COG - GoldCoast Eurofins Xenco Empty Kit Relinquished by ossible Hazard Identification Midland Shipping/Receiving Client Information elinquished by elinquished by: elinquished by 432-704-5440(Tel) 1211 W Florida Ave Custody Seals Intact △ Yes △ No 8 (Sub Contract Lab) Custody Seal No X 5 2 Project #: 88000805 Sampler Date/Time Date/Time Primary Deliverable Rank 2 Phone: Date/Time Due Date Requested 8/6/2021 SSOW#: VO # PO# TAT Requested (days): Sample Date 8/4/21 8/4/21 8/4/21 8/4/21 8/4/21 Mountain 15 30 Mountain 14 45 Mountain 15 00 Date Mountain 14 15 Mountain Sample 14 00 (C=comp. G=grab) Sample Preservation Code: Type Company Company Company (W=water S=solid, O=waste/oil, BT=Tissue, A=Air) Solid Matri Solid Solid Solid Solid E-Mail Kramer, Jessica jessica kramer@eurofinset.com Lab PM: Ime NELAP - Texas ccreditations Required (See note) Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Mon Perform MS/MSD (Yes or No) Special Instructions/QC Requirements Received by Cooler Temperature(s) °C and Other Remarks × × × × × 300_ORGFM_28D/DI_LEACH Chloride Analysis Requested State of Origin
New Mexico Carrier Tracking No(s). Method of Shipmen Date/Time **Total Number of containers** 4 1 A HCL
B NAOH
C Zn Acetate
D Nitric Acid
E NAHSO4
F MeOH
G Amchlor
H Ascorbic Acid COC No 890-337 1 Page 1 of 1 J DI Water K EDTA L EDA Preservation Codes 890-1062-1 Special Instructions/Note: M Hexane
N None
O - AsNaO2
P - Na2O4S
Q Na2SO3
R - Na2SO3
S H2SO4
T TSP Dodecahydrate
U Acetone
V MCAA Company Company Jompany pH 4-5 other (specify)

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-1062-1

Login Number: 1062 List Source: Eurofins Xenco, Carlsbad

List Number: 1 Creator: Clifton, Cloe

Question	Answer	Comment
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.	True	
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?	True	
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.	N/A	
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	

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8/6/2021

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-1062-1

List Source: Eurofins Xenco, Midland
List Number: 2
List Creation: 08/06/21 10:55 AM

Creator: Copeland, Tatiana

Question	Answer	Comment
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.	True	
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?	True	
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	
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").	True	

750

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Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Carlsbad 1089 N Canal St. Carlsbad, NM 88220 Tel: (575)988-3199

Laboratory Job ID: 890-1063-1

Client Project/Site: COG - GoldCoast

For:

TRC Solutions, Inc. 2057 Commerce Drive Midland, Texas 79703

Attn: Jared Stoffel

WRAMER

Authorized for release by: 8/6/2021 6:58:14 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

·····LINKS ·······

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Visit us at:

www.eurofinsus.com/Env

Released to Imaging: 3/30/2022 11:15:24 AM

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Laboratory Job ID: 890-1063-1

Client: TRC Solutions, Inc. Project/Site: COG - GoldCoast

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Definitions/Glossary

Client: TRC Solutions, Inc. Job ID: 890-1063-1

Project/Site: COG - GoldCoast

Qualifiers

HPLC/IC

Qualifier Description

U Indicates the analyte was analyzed for but not detected.

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

MPN MQL NC

ML

C 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)

Minimum Level (Dioxin)

Most Probable Number

Method Quantitation Limit

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: TRC Solutions, Inc.

Project/Site: COG - GoldCoast

Job ID: 890-1063-1

Job ID: 890-1063-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-1063-1

Receipt

The samples were received on 8/5/2021 12:57 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 5.6°C

HPLC/IC

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

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4.6

Client Sample ID: SW-30

Date Collected: 08/05/21 09:00

Date Received: 08/05/21 12:57

Lab Sample ID: 890-1063-1

Matrix: S

olid	

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL Unit D

<4.95 U

114

Prepared Analyzed Dil Fac Chloride 36.5 4.98 mg/Kg 08/06/21 15:57 Lab Sample ID: 890-1063-2 Client Sample ID: SW-31

RL

4.95

Unit

Unit

Unit

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

D

D

D

D

Date Collected: 08/05/21 09:15 Date Received: 08/05/21 12:57

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier

Dil Fac

Analyzed Prepared 08/06/21 16:03

Client Sample ID: SW-32 Date Collected: 08/05/21 09:30

Date Received: 08/05/21 12:57

Chloride

Lab Sample ID: 890-1063-3

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte

RL Unit D Prepared Analyzed Dil Fac Chloride 62.2 5.04 08/06/21 16:19 mg/Kg Client Sample ID: SW-33 Lab Sample ID: 890-1063-4

RL

RL

4.98

RL

24.8

RL

24.8

5.01

Date Collected: 08/05/21 10:15 Date Received: 08/05/21 12:57

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte Chloride 126

Prepared Analyzed Dil Fac 08/06/21 16:25

Client Sample ID: SW-35 Date Collected: 08/05/21 10:30

Date Received: 08/05/21 12:57

Lab Sample ID: 890-1063-5

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte

Client Sample ID: FL-23 @4.5

Chloride

Prepared Analyzed Dil Fac 08/06/21 16:30

Lab Sample ID: 890-1063-6

Date Collected: 08/05/21 09:45 Date Received: 08/05/21 12:57

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte Result Qualifier Chloride 1700

Prepared Analyzed Dil Fac 08/06/21 16:36

Client Sample ID: FL-24 @4.5 Date Collected: 08/04/21 10:45

Date Received: 08/05/21 12:57

Lab Sample ID: 890-1063-7

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte Result Qualifier Chloride 5170

Unit D mg/Kg

Prepared

Analyzed Dil Fac 08/06/21 16:41 5

Client Sample Results

Client: TRC Solutions, Inc. Job ID: 890-1063-1

Project/Site: COG - GoldCoast

Client Sample ID: FL-22 @4.5 Lab Sample ID: 890-1063-8

Date Collected: 08/04/21 16:15 Matrix: Solid

Date Received: 08/05/21 12:57

 Method: 300.0 - Anions, Ion Chromatography - Soluble

 Analyte
 Result
 Qualifier
 RL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Chloride
 1660
 25.0
 mg/Kg
 08/06/21 16:47
 5

Client Sample ID: SW-28

Date Collected: 08/04/21 16:30

Lab Sample ID: 890-1063-9

Matrix: Solid

Date Received: 08/05/21 12:57

Method: 300.0 - Anions, Ion Chromatography - SolubleAnalyteResultQualifierRLUnitDPreparedAnalyzedDil FacChloride13.25.04mg/Kg08/06/21 16:521

Eurofins Xenco, Carlsbad

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Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Client Sample ID: Matrix Spike

Client Sample ID: Matrix Spike Duplicate

Client: TRC Solutions, Inc.

Job ID: 890-1063-1

Project/Site: COG - GoldCoast

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-6177/1-A

Matrix: Solid

Analysis Batch: 6181

 Analyte
 Result Chloride
 Qualifier S.00
 RL U
 Unit mg/Kg
 D Prepared Dil Fac Devocation
 Analyzed Dil Fac Dil

Lab Sample ID: LCS 880-6177/2-A

Matrix: Solid

Analysis Batch: 6181

Spike LCS LCS %Rec. Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 260.3 mg/Kg 104 90 - 110

Lab Sample ID: LCSD 880-6177/3-A

Matrix: Solid

Analysis Batch: 6181

LCSD LCSD %Rec. RPD Spike Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Chloride 250 260.2 20 mg/Kg 104 90 - 110

Lab Sample ID: 890-1062-A-7-B MS

Matrix: Solid

Analysis Batch: 6181

Spike MS MS Sample Sample %Rec. Analyte Result Qualifier Added Result Qualifier %Rec Unit Limits Chloride <5.05 253 261.9 103 90 - 110 mg/Kg

Lab Sample ID: 890-1062-A-7-C MSD

Matrix: Solid

Analysis Batch: 6181

Sample Sample Spike MSD MSD %Rec. RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride <5.05 U 253 262.0 mg/Kg 103 90 - 110 0 20

QC Association Summary

Client: TRC Solutions, Inc.

Project/Site: COG - GoldCoast

Job ID: 890-1063-1

HPLC/IC

Leach Batch: 6177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1063-1	SW-30	Soluble	Solid	DI Leach	
890-1063-2	SW-31	Soluble	Solid	DI Leach	
890-1063-3	SW-32	Soluble	Solid	DI Leach	
890-1063-4	SW-33	Soluble	Solid	DI Leach	
890-1063-5	SW-35	Soluble	Solid	DI Leach	
890-1063-6	FL-23 @4.5	Soluble	Solid	DI Leach	
890-1063-7	FL-24 @4.5	Soluble	Solid	DI Leach	
890-1063-8	FL-22 @4.5	Soluble	Solid	DI Leach	
890-1063-9	SW-28	Soluble	Solid	DI Leach	
MB 880-6177/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-6177/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-6177/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1062-A-7-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-1062-A-7-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 6181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1063-1	SW-30	Soluble	Solid	300.0	6177
890-1063-2	SW-31	Soluble	Solid	300.0	6177
890-1063-3	SW-32	Soluble	Solid	300.0	6177
890-1063-4	SW-33	Soluble	Solid	300.0	6177
890-1063-5	SW-35	Soluble	Solid	300.0	6177
890-1063-6	FL-23 @4.5	Soluble	Solid	300.0	6177
890-1063-7	FL-24 @4.5	Soluble	Solid	300.0	6177
890-1063-8	FL-22 @4.5	Soluble	Solid	300.0	6177
890-1063-9	SW-28	Soluble	Solid	300.0	6177
MB 880-6177/1-A	Method Blank	Soluble	Solid	300.0	6177
LCS 880-6177/2-A	Lab Control Sample	Soluble	Solid	300.0	6177
LCSD 880-6177/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	6177
890-1062-A-7-B MS	Matrix Spike	Soluble	Solid	300.0	6177
890-1062-A-7-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	6177

Eurofins Xenco, Carlsbad

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Job ID: 890-1063-1

Client: TRC Solutions, Inc. Project/Site: COG - GoldCoast

Client Sample ID: SW-30 Lab Sample ID: 890-1063-1 Date Collected: 08/05/21 09:00

Matrix: Solid

Date Received: 08/05/21 12:57

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	6177	08/06/21 11:31	SC	XEN MID
Soluble	Analysis	300.0		1			6181	08/06/21 15:57	SC	XEN MID

Client Sample ID: SW-31 Lab Sample ID: 890-1063-2

Matrix: Solid

Date Collected: 08/05/21 09:15 Date Received: 08/05/21 12:57

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	6177	08/06/21 11:31	SC	XEN MID
Soluble	Analysis	300.0		1			6181	08/06/21 16:03	SC	XEN MID

Lab Sample ID: 890-1063-3 Client Sample ID: SW-32

Date Collected: 08/05/21 09:30 Matrix: Solid

Date Received: 08/05/21 12:57

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Factor Amount Amount Number or Analyzed Run Analyst Lab Soluble Leach DI Leach 4.96 g 50 mL 6177 08/06/21 11:31 SC XEN MID SC Soluble 300.0 6181 08/06/21 16:19 XEN MID Analysis 1

Client Sample ID: SW-33 Lab Sample ID: 890-1063-4

Date Collected: 08/05/21 10:15 **Matrix: Solid** Date Received: 08/05/21 12:57

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	6177	08/06/21 11:31	SC	XEN MID
Soluble	Analysis	300.0		1			6181	08/06/21 16:25	SC	XEN MID

Client Sample ID: SW-35 Lab Sample ID: 890-1063-5 Date Collected: 08/05/21 10:30 **Matrix: Solid**

Date Received: 08/05/21 12:57

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	6177	08/06/21 11:31	SC	XEN MID
Soluble	Analysis	300.0		1			6181	08/06/21 16:30	SC	XEN MID

Client Sample ID: FL-23 @4.5 Lab Sample ID: 890-1063-6

Date Collected: 08/05/21 09:45 **Matrix: Solid** Date Received: 08/05/21 12:57

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	6177	08/06/21 11:31	SC	XEN MID
Soluble	Analysis	300.0		5			6181	08/06/21 16:36	SC	XEN MID

Matrix: Solid

Matrix: Solid

Client: TRC Solutions, Inc.

Job ID: 890-1063-1

Project/Site: COG - GoldCoast

Client Sample ID: FL-24 @4.5 Lab Sample ID: 890-1063-7

Date Collected: 08/04/21 10:45

Matrix: Solid

Date Received: 08/05/21 12:57

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	6177	08/06/21 11:31	SC	XEN MID
Soluble	Analysis	300.0		5			6181	08/06/21 16:41	SC	XEN MID

Client Sample ID: FL-22 @4.5 Lab Sample ID: 890-1063-8

Date Collected: 08/04/21 16:15 Date Received: 08/05/21 12:57

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	6177	08/06/21 11:31	SC	XEN MID
Soluble	Analysis	300.0		5			6181	08/06/21 16:47	SC	XEN MID

Client Sample ID: SW-28 Lab Sample ID: 890-1063-9

Date Collected: 08/04/21 16:30

Date Received: 08/05/21 12:57

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	6177	08/06/21 11:31	SC	XEN MID
Soluble	Analysis	300.0		1			6181	08/06/21 16:52	SC	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: TRC Solutions, Inc. Job ID: 890-1063-1

Project/Site: COG - GoldCoast

Laboratory: Eurofins Xenco, Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-22

Method Summary

Client: TRC Solutions, Inc. Project/Site: COG - GoldCoast Job ID: 890-1063-1

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Δ

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Sample Summary

Client: TRC Solutions, Inc. Job ID: 890-1063-1 Project/Site: COG - GoldCoast

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-1063-1	SW-30	Solid	08/05/21 09:00	08/05/21 12:57
890-1063-2	SW-31	Solid	08/05/21 09:15	08/05/21 12:57
890-1063-3	SW-32	Solid	08/05/21 09:30	08/05/21 12:57
890-1063-4	SW-33	Solid	08/05/21 10:15	08/05/21 12:57
890-1063-5	SW-35	Solid	08/05/21 10:30	08/05/21 12:57
890-1063-6	FL-23 @4.5	Solid	08/05/21 09:45	08/05/21 12:57
890-1063-7	FL-24 @4.5	Solid	08/04/21 10:45	08/05/21 12:57
890-1063-8	FL-22 @4.5	Solid	08/04/21 16:15	08/05/21 12:57
890-1063-9	SW-28	Solid	08/04/21 16:30	08/05/21 12:57

otice: Signature of this document and relinquishment of samples constitutes a valid purchase order fro

rele Method(s) and Metal(s) to be analyzed

Total 200.7 / 6010

200.8 / 6020:

8RCRA 13PPM Texas 1

service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsit Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for ea

Reliequished by: (Signature)

Received by: (Signature)

8/5/21 12:57/2

Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Revised Date: 08/25/2020 Rev. 2020.

SW-28 &

FL-22 (24,5

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C-24 845 4-23 045

SW-35 SW - 33 SW-32

18-MS 08-20 eurofins

Xenco

Environment Testing

Chain of Custody

Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 Hobb EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

Program: UST/PST ☐ PRP☐ Bro	wnfields 🗌 RRC 🗌 Superfund 🔲
State of Project:	
Reporting: Level II 🔲 Level III 🔲 P	ST/UST TRRP Level IV
Deliverables: EDD ADa	ADaPT Other:
NALYSIS REQUEST	Preservative Codes
	Cool: Cool MeOH: Me
	H ₂ SO ₄ : H ₂ NaOH: Na
	H ₃ PO ₄ : HP
	NaHSO4: NABIS
30-1063 Chain of Custody	Zn Acetate+NaOH: Zn
	NaOH+Ascorbic Acid: SAPC
	Sample Comments
Cu Fe Pb Mg Mn Mo Ni K Se	Na Sr Tl Sn U V Zn
Ag TI U	Hg: 1631/245.1/7470/7471
	Program: UST/PST PR State of Project: Reporting: Level II Lev Deliverables: EDD Sis REQUEST Chain of Custody Chain of Custody Chain of Mg Mn Mo Ni K Se Ag TI U

SAMPLE RECEIPT

Cooler Custody Seals: Samples Received Intact:

ample Custody Seals:

Yes No Yes No MA Yes Temp Blank:

Z o

Thermometer ID: Yes No

Correction Factor: Temperature Reading:

Corrected Temperature:

Sample Identification

Matrix Sampled

Date

S. Aus Zer

Sampler's Name:

Russie

AN12875 してなん

Crow

Project Location:

Project Number:

Project Name:

104- GOO (:457

Phone:

City, State ZIP:

MIRAMO TX

好地

10 ASTA 力

Company Name: Project Manager:

レスロング

HOLKEL

ddress:

Work Order No:

Eurofins Xenco, Carlsbad 1089 N Canal St. Carlsbad NM 88220 Phone 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

Environment Test ng America

Client Information (Sub Contract Lab)	•			Kran	Kramer Jessica	ש				9		89 8	890-337 1		
Client Contact: Shipping/Receiving	Phone:			E-Mail Jessic	E-Mail Jessica kramer@eurofinset.ca	@eurofins	et.com		State of Origin New Mexico	ē ji		Page Page	Page Page 1 of 1		
Company Eurofins Xenco					Accreditations Required (See NELAP - Texas	s Required	See note)					90 dot	Job #: 890-1063-1		
Address. 1211 W Florida Ave, ,	Due Date Requested 8/6/2021	ed.					Analysis		Requested			. <u>P</u>	Preservation Codes:	des:	
City Midland	TAT Requested (days)	ays)										O @ >	NaOH Zn Acetate	M - Hexane N - None O AsNaO2	
State Zip: TX, 79701					Hermonia Proposition Proposition							ımo	D - Nitric Acid E - NaHSO4		
Phone: 432-704-5440(Tel)	# PO#:				Al Bara							r o T	F - MeOH G - Amchlor	R Na2S2O3 S H2SO4	
Email:	#:				No)							<u> </u>	Ice DI Water		Acetone MCAA
Project Name: COG - GoldCoast	20800088 Project #				es or							ᄃᅎ	EDTA EDA	W pH 4-5 Z other (specify)	icify)
Site	SSOW#				SD (Y							1.23 m 100 %.	Other [.]		
Cample Hantification Client ID (1 of ID)		Sample		, ¥	ield Filtered erform MS/N 00_ORGFM_28							otal Number			
		X	Preservation Code:		X							X			
SW-30 (890-1063-1)	8/5/21	09 00 Mountain		Solid	×							44.			
SW-31 (890-1063-2)	8/5/21	09 15 Mountain		Solid	×										
SW-132 (890-1063-3)	8/5/21	09 30 Mountain		Solid	×							(444) (1000)			
SW-33 (890-1063-4)	8/5/21	10 15 Mountain		Solid	×										
SW-35 (890-1063-5)	8/5/21	10 30 Mountain		Solid	×							### 2000-000	7		
FL-23 @4 5 (890-1063-6)	8/5/21	09 45 Mountain		Solid	×							-			
FL-24 @4 5 (890-1063-7)	8/4/21	10 45 Mountain		Solid	×							gar.			
FL-22 @4 5 (890-1063-8)	8/4/21	16 15 Mountain		Solid	×				_			ر کاریس احالات			
SW-28 (890-1063-9)	8/4/21	16 30 Mountain		Solid	×							**		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Note: Since laboratory accreditations are subject to change. Eurofins Xenco LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/flests/matrix being analyzed, the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC.	olaces the ownership eing analyzed the s rn the signed Chain	o of method ar amples must b of Custody atte	nalyte & accredita e shipped back to esting to said com	tion complian the Eurofins plicance to E	ce upon out \$ Xenco LLC !urofins Xenc	subcontract laboratory o	laboratories.	This samplections will be	e shipment provided	is forwarde Any chango	d under cha	in-of-cu litation s	status should be b	ratory does not prought to Eurof	currently fins Xenco
Possible Hazard Identification Unconfirmed					Sampl	Sample Disposal (A fee may be assessed if samples are retained longer Return To Client Disposal By Lab Archive For	il (A fee i Client	may be a:	assessed if san Disposal By Lab	if sample y Lab	is are ret	tained long Archive For	longer than :	than 1 month) Months	
Empty Kit Relinguished by	Primary Deliverable Rank	able Rank 2	2		Specia	Special Instructions/QC Requirements	ins/QC Re	quiremer	1	Taken of Chicago					
Relinquished by (100 Cur) 8.5.2	Date/Time [,]		C _O	Company		Regeived by				Date	Date/Ime:)	TO SOLUTION STATE OF THE SOLUTION STATE OF T	3	Company	
Relinquished by:	Date/Time:		Co	Company	Rec	Received by				Date/Time	Time			Company	
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Custody Seals Intact Custody Seal No	And the second s				Coc	Cooler Temperature(s) °C and Other Remarks	ture(s) °C ar	nd Other Rei	narks						

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-1063-1

Login Number: 1063 List Source: Eurofins Xenco, Carlsbad

List Number: 1 Creator: Clifton, Cloe

Question	Answer	Comment
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.	True	
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?	True	
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	

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<6mm (1/4").

Login Sample Receipt Checklist

Client: TRC Solutions, Inc. Job Number: 890-1063-1

List Source: Eurofins Xenco, Midland
List Number: 2
List Creation: 08/06/21 10:57 AM

Creator: Copeland, Tatiana

Question	Answer	Comment
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.	True	
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?	True	
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	
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").	True	

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Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Carlsbad 1089 N Canal St. Carlsbad, NM 88220 Tel: (575)988-3199

Laboratory Job ID: 890-1067-1

Client Project/Site: TRC - COG Project

For:

TRC Solutions, Inc. 2057 Commerce Drive Midland, Texas 79703

Attn: Jared Stoffel

MAMER

Authorized for release by: 8/9/2021 5:53:15 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

·····LINKS ·······

Review your project results through

Have a Question?



Visit us at:

www.eurofinsus.com/Env

Released to Imaging: 3/30/2022 11:15:24 AM

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Laboratory Job ID: 890-1067-1

Client: TRC Solutions, Inc. Project/Site: TRC - COG Project

Table of Contents

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Definitions/Glossary

Client: TRC Solutions, Inc. Job ID: 890-1067-1

Project/Site: TRC - COG Project

Qualifiers

HPLC/IC

Qualifier Qualifier Description

U Indicates the analyte was analyzed for but not detected.

Glossary

Appreviation	These commonly used appreviations 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

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Eurofins Xenco, Carlsbad

Case Narrative

Client: TRC Solutions, Inc.

Job ID: 890-1067-1

Project/Site: TRC - COG Project

Job ID: 890-1067-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-1067-1

Receipt

The samples were received on 8/6/2021 1:56 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 4.8°C

HPLC/IC

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

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Project/Site: TRC - COG Project

Client: TRC Solutions, Inc.

Client Sample ID: SW-36 Date Collected: 08/05/21 15:00 Lab Sample ID: 890-1067-1

Matrix: Solid

Matrix: Solid

Matrix: Solid

Matrix: Solid

Date Received: 08/06/21 13:56

Method: 300.0 - Anions, Ion Chromatography - Soluble											
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	153		5.04		mg/Kg			08/09/21 15:26	1		

Lab Sample ID: 890-1067-2 Client Sample ID: SW-37

Date Collected: 08/05/21 15:15

Date Received: 08/06/21 13:56

Method: 300.0 - Anions, Ion Chromatography - Soluble											
	Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac		
	Chloride	104		4.98	mg/Kg			08/09/21 15:42	1		

Client Sample ID: FL-25 @ 4.5 Lab Sample ID: 890-1067-3

Date Collected: 08/05/21 15:30 Date Received: 08/06/21 13:56

Sample Depth: - 4.5

Method: 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	3030		25.0		mg/Kg			08/09/21 15:47	5	

Client Sample ID: SW-38 Lab Sample ID: 890-1067-4 Matrix: Solid

Date Collected: 08/05/21 16:00 Date Received: 08/06/21 13:56

Method: 300.0 - Anions, Ion Chromatography - Soluble											
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac				
Chloride	61.5	4.99	mg/Kg			08/09/21 15:53	1				

Client Sample ID: SW-39 Lab Sample ID: 890-1067-5

Date Collected: 08/05/21 16:15 Date Received: 08/06/21 13:56

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 5.01 Chloride 104 mg/Kg 08/09/21 15:58

Client Sample ID: SW-34 Lab Sample ID: 890-1067-6 **Matrix: Solid**

Date Collected: 08/05/21 16:45 Date Received: 08/06/21 13:56

Method: 300.0 - Anions, Ion Chrom	natography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	163		5.02		mg/Kg			08/09/21 16:04	1

QC Sample Results

Client: TRC Solutions, Inc.

Job ID: 890-1067-1

Project/Site: TRC - COG Project

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-6251/1-A Client Sample ID: Method Blank

Matrix: Solid Prep Type: Soluble

Analysis Batch: 6253

 Analyte
 Result
 Qualifier
 RL
 MDL
 Unit
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 Chloride
 <5.00</td>
 U
 5.00
 mg/Kg
 08/09/21 14:36
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Lab Sample ID: LCS 880-6251/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 6253

Spike LCS LCS %Rec. Added Result Qualifier Analyte Unit D %Rec Limits Chloride 250 255.0 mg/Kg 102 90 - 110

Lab Sample ID: LCSD 880-6251/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 6253

LCSD LCSD %Rec. RPD Spike Analyte Added Result Qualifier Unit Limits **RPD** Limit Chloride 250 254.8 102 90 - 110 20 mg/Kg

Eurofins Xenco, Carlsbad

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QC Association Summary

Client: TRC Solutions, Inc.

Project/Site: TRC - COG Project

Job ID: 890-1067-1

HPLC/IC

Leach Batch: 6251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1067-1	SW-36	Soluble	Solid	DI Leach	
890-1067-2	SW-37	Soluble	Solid	DI Leach	
890-1067-3	FL-25 @ 4.5	Soluble	Solid	DI Leach	
890-1067-4	SW-38	Soluble	Solid	DI Leach	
890-1067-5	SW-39	Soluble	Solid	DI Leach	
890-1067-6	SW-34	Soluble	Solid	DI Leach	
MB 880-6251/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-6251/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-6251/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 6253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1067-1	SW-36	Soluble	Solid	300.0	6251
890-1067-2	SW-37	Soluble	Solid	300.0	6251
890-1067-3	FL-25 @ 4.5	Soluble	Solid	300.0	6251
890-1067-4	SW-38	Soluble	Solid	300.0	6251
890-1067-5	SW-39	Soluble	Solid	300.0	6251
890-1067-6	SW-34	Soluble	Solid	300.0	6251
MB 880-6251/1-A	Method Blank	Soluble	Solid	300.0	6251
LCS 880-6251/2-A	Lab Control Sample	Soluble	Solid	300.0	6251
LCSD 880-6251/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	6251

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Matrix: Solid

Matrix: Solid

Client: TRC Solutions, Inc. Job ID: 890-1067-1

Project/Site: TRC - COG Project

Client Sample ID: SW-36 Lab Sample ID: 890-1067-1

Date Collected: 08/05/21 15:00 **Matrix: Solid** Date Received: 08/06/21 13:56

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab DI Leach Soluble Leach 4.96 g 50 mL 6251 08/09/21 14:06 SC XEN MID Soluble Analysis 300.0 1 6253 08/09/21 15:26 CH XEN MID

Client Sample ID: SW-37 Lab Sample ID: 890-1067-2

Date Collected: 08/05/21 15:15 Date Received: 08/06/21 13:56

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	6251	08/09/21 14:06	SC	XEN MID
Soluble	Analysis	300.0		1			6253	08/09/21 15:42	CH	XEN MID

Client Sample ID: FL-25 @ 4.5 Lab Sample ID: 890-1067-3

Date Collected: 08/05/21 15:30

Date Received: 08/06/21 13:56

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	6251	08/09/21 14:06	SC	XEN MID
Soluble	Analysis	300.0		5			6253	08/09/21 15:47	CH	XEN MID

Client Sample ID: SW-38 Lab Sample ID: 890-1067-4 **Matrix: Solid**

Date Collected: 08/05/21 16:00 Date Received: 08/06/21 13:56

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	6251	08/09/21 14:06	SC	XEN MID
Soluble	Analysis	300.0		1			6253	08/09/21 15:53	CH	XEN MID

Client Sample ID: SW-39 Lab Sample ID: 890-1067-5 Date Collected: 08/05/21 16:15 **Matrix: Solid**

Date Received: 08/06/21 13:56

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	6251	08/09/21 14:07	SC	XEN MID
Soluble	Analysis	300.0		1			6253	08/09/21 15:58	CH	XEN MID

Client Sample ID: SW-34 Lab Sample ID: 890-1067-6 Date Collected: 08/05/21 16:45 **Matrix: Solid**

Date Received: 08/06/21 13:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	6251	08/09/21 14:07	SC	XEN MID
Soluble	Analysis	300.0		1			6253	08/09/21 16:04	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Carlsbad

Accreditation/Certification Summary

Client: TRC Solutions, Inc.

Job ID: 890-1067-1

Project/Site: TRC - COG Project

Laboratory: Eurofins Xenco, Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-22

Eurofins Xenco, Carlsbad

Method Summary

Client: TRC Solutions, Inc. Project/Site: TRC - COG Project Job ID: 890-1067-1

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

4

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Sample Summary

Client: TRC Solutions, Inc. Project/Site: TRC - COG Project Job ID: 890-1067-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1067-1	SW-36	Solid	08/05/21 15:00	08/06/21 13:56	
890-1067-2	SW-37	Solid	08/05/21 15:15	08/06/21 13:56	
890-1067-3	FL-25 @ 4.5	Solid	08/05/21 15:30	08/06/21 13:56	- 4.5
890-1067-4	SW-38	Solid	08/05/21 16:00	08/06/21 13:56	
890-1067-5	SW-39	Solid	08/05/21 16:15	08/06/21 13:56	
890-1067-6	SW-34	Solid	08/05/21 16:45	08/06/21 13:56	

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Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Revised Date: 08/25/2020 Rev 2020 2

Chain of Custody

on, TX (281) 240-4200, Dallas, TX (214) 902-0300 TX (432) 704-5440, San Antonio, TX (210) 509-3334
TX (432) 704-5440, San Antonio, TX (210) 509-3334
o, TX (915) 585-3443, Lubbock, TX (806) 794-1296
NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Environment Testing Midla	idland, TX (432) 704-5440, San Antonio, TX (210) 509-3334	Work Order No:
Xenco ELF	so, TX (915) 585-3443, Lubbock, TX (806) 794-1296	
nor	s, NM (3/3) 32-/330, Calisbad, NM (3/3) 300-3133	www.xenco.com Page / of /
	t)	Work Order Comments
	99	Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund
Do #130E		State of Project:
75.05		Reporting: Level II Level III PST/UST TRRP Level IV
Email:	Ira Russin	Deliverables: EDD
		QUEST Preservative Codes
Routine Rush 7		None: NO DI Water: H ₂ O
Due Date:		Cool: Cool MeOH: Me
_	rs	H ₂ SO ₄ : H ₂ NaOH: Na
Temp Blank: Yes No Wet Ice: Yes No	nete	H₃PO₄: HP
(yes) No Thermometer ID:		NaHSO4: NABIS
N/A Correction Factor:	890-1067	To Acetate NaOH: Zo
Corrected Temperature:		-
Depth	# of Cont	Sample Comments
1560 -		
1515		
1530 45		
188		
1615		
A 1645 - A	<	
200.8 / 6020: 8RCRA 13PPM Texas 1	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb	Mg Mn Mo Ni K Se Ag SiO, Na Sr Tl Sn l
		Ni Se Ag TI U Hg: 1631 / 245.1 / 7470 / 7471
inquishment of samples constitutes a valid purchase order from the cost of samples and shall not assume any responsi	client company to Eurofins Xenco, its affiliates and subcontractors ity for any losses or expenses incurred by the client if such losses a	s. It assigns standard terms and conditions are due to circumstances beyond the control
#3 = NOOL . N	Project Manager:	Middend TX (327) 704-5440, San Antonio, TX (270) 593-334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 982-3199 Bill to: (if different) Company Name: #/30 E Address: City, Slate ZIP: Company Name: #/30 E Address: ANALYSIS RE #/30 ANAL

Eurofins Xenco, Carlsbad

Carlsbad, NM 88220 Phone 575-988-3199 Fax: 575-988-3199 1089 N Canal St.

12 13

Chain of Custody Record

eurofins :

America **Environment Testing**

State, Zip TX, 79701 SW-39 (890-1067-5) SW-38 (890-1067-4) SW-37 (890-1067-2) SW-34 (890-1067-6) FL-25 @ 4 5 (890-1067-3) SW-36 (890-1067-1) Project Name:
TRC - COG Project Deliverable Requested | | | | | | | | | | | Other (specify) Possible Hazard Identification LC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC Vote: Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/lests/matrix being analyzed, the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brough to Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brough to Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation to the Eurofins Xenco LLC laboratory or other instructions will be provided. 132-704-5440(Tel) Midland 1211 W Florida Ave Eurofins Xenco elinquished by: <u> Pample Identification - Client ID (Lab ID)</u> elinquished by elinquished by impty Kit Relinquished by lient Information ipping/Receiving (Sub Contract Lab) Custody Seal No CDQ A 75.9.2 # OW Phone: Sampler PO#: TAT Requested (days) Due Date Requested Date/Time Date/Time Primary Deliverable Rank 2 SSOW# 89000036 Date/Time Sample Date oject # 8/5/21 8/5/21 8/5/21 8/5/21 8/5/21 8/5/21 Date Mountain 15 15 Mountain 16 15 Mountain 16 45 Mountain 16 00 Mountain 15 30 Mountain Sample 15 00 (C=comp, G=grab Sample Preservation Code: Type Company Company Company BT=Tissue, Solid Solid Solid Solid Solid Solid E-Mail: jessica kramer@eurofinset.com Kramer, Jessica (Yes or No) Time Field Filtered Sample NELAP - Texas Accreditations Required (See note) Perform MS/MSD (Yes or No) 🥜 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Mon Special Instructions/QC/Requirements Return To Client × × × × × × 300_ORGFM_28D/DI_LEACH Chloride Received by: Cooler Temperature(s) °C and Other Remarks Analysis Requested State of Origin
New Mexico Carrier Tracking No(s) Method of Shipment: Date/Time → Total Number of containers J Di Water K EDTA L EDA 100 2**44**1. neidy. A HCL
B NaOH
C Nitric Acid
E NaHSO4
F MeOH
G Amchlor
H - Ascorbic Acid COC No: 890-339 1 890-1067-1 Page 1 of 1 Preservation Codes job # age Special Instructions/Note: M Hexane
N None
O AsNaO2
P-Na2O4S
Q-Na2SO3
R-Na2SO3
S H2SO4
T TSP Dodecahydrate
U Acetone
V MCAA Company Company ompany pH 4-5 other (specify)

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-1067-1

Login Number: 1067 List Source: Eurofins Xenco, Carlsbad

List Number: 1 Creator: Clifton, Cloe

Question	Answer	Comment
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.	True	
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?	True	
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	

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<6mm (1/4").

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-1067-1

List Source: Eurofins Xenco, Midland
List Number: 2
List Creation: 08/09/21 08:59 AM

Creator: Copeland, Tatiana

Question	Answer	Comment
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.	True	
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?	True	
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	
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").	True	

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Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Carlsbad 1089 N Canal St. Carlsbad, NM 88220 Tel: (575)988-3199

Laboratory Job ID: 890-1118-1

Laboratory Sample Delivery Group: Jal NM Client Project/Site: COG- Gold Coast

For:

TRC Solutions, Inc. 2057 Commerce Drive Midland, Texas 79703

Attn: Jared Stoffel

JURAMER

Authorized for release by: 8/19/2021 4:42:55 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

LINKS

Review your project results through

Have a Question?



Visit us at:

www.eurofinsus.com/Env

Released to Imaging: 3/30/2022 11:15:24 AM

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Client: TRC Solutions, Inc.

Laboratory Job ID: 890-1118-1

Project/Site: COG- Gold Coast

SDG: Jal NM

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Definitions/Glossary

Client: TRC Solutions, Inc.

Project/Site: COG- Gold Coast

SDG: Jal NM

Qualifiers

HPLC/IC

Qualifier Description

U Indicates the analyte was analyzed for but not detected.

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

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Eurofins Xenco, Carlsbad

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IC

Case Narrative

Client: TRC Solutions, Inc.

Project/Site: COG- Gold Coast

SDG: Jal NM

Job ID: 890-1118-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-1118-1

Receipt

The samples were received on 8/17/2021 1:14 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 3.6° C

HPLC/IC

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

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Matrix: Solid

Matrix: Solid

Matrix: Solid

Lab Sample ID: 890-1118-2

Lab Sample ID: 890-1118-3

Lab Sample ID: 890-1118-4

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Project/Site: COG- Gold Coast	
Client Sample ID: SW-40	Lab Samp
Date Collected: 08/17/21 10:00	

Date Received: 08/17/21 13:14

Client: TRC Solutions, Inc.

	Method: 300.0 - Anions, Ion Chron	natography - S	Soluble							
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	165		4.95		mg/Kg			08/18/21 13:55	1
Ì										

Client Sample ID: FL-26 @ 4.5'

Date Collected: 08/17/21 10:30 Date Received: 08/17/21 13:14

Method: 300.0 - Anions, Ion Chroma	atography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4220		24.8		mg/Kg			08/18/21 14:11	5

Client Sample ID: SW-22 Date Collected: 08/17/21 10:45

Date Received: 08/17/21 13:14

Method: 300.0 - Anions, Ion Chrom	atography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1830		24.9		mg/Kg			08/18/21 14:16	5

Client Sample ID: SW-22A Date Collected: 08/17/21 11:00

Date Received: 08/17/21 13:14

Method: 300.0 - Anions, Ion Chrom	atography - S	oluble							
Analyte	Result C	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	199		4.95		mg/Kg			08/19/21 13:06	1

Job ID: 890-1118-1

Prep Type: Soluble

Client Sample ID: Method Blank

Client: TRC Solutions, Inc. Project/Site: COG- Gold Coast SDG: Jal NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-6727/1-A

Matrix: Solid

Analysis Batch: 6734

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D)	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg				08/18/21 13:39	1

Lab Sample ID: LCS 880-6727/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 6734

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	253.8		mg/Kg	_	102	90 - 110	

Lab Sample ID: LCSD 880-6727/3-A Client Sample ID: Lab Control Sample Dup Matrix: Solid **Prep Type: Soluble**

Analysis Batch: 6734

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	255.1		mg/Kg		102	90 - 110	1	20

Lab Sample ID: 890-1118-1 MS

Matrix: Solid

Analysis Batch: 6734

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	165		248	417.2		mg/Kg		102	90 - 110	

Lab Sample ID: 890-1118-1 MSD

Matrix: Solid

Analysis Batch: 6734

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	165		248	416.9		mg/Kg		102	90 - 110	0	20	

Lab Sample ID: MB 880-6766/1-A

Matrix: Solid

Analysis Batch: 6767

MB MB

Analyte	Result (Qualifier	RL	MDL (Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<5.00 l	U	5.00	r	ma/Ka			08/19/21 11:31	1	

Lab Sample ID: LCS 880-6766/2-A

Matrix: Solid

Analysis Batch: 6767

		Spike	LCS	LCS				%Rec.	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride		250	254.9	_	mg/Kg		102	90 - 110	

Lab Sample ID: LCSD 880-6766/3-A

Released to Imaging: 3/30/2022 11:15:24 AM

Matrix: Solid

Analysis Batch: 6767							•	•	
	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	255.9		mg/Kg		102	90 - 110	0	20

Eurofins Xenco, Carlsbad

Page 6 of 16

Prep Type: Soluble

Client Sample ID: Method Blank **Prep Type: Soluble**

Client Sample ID: SW-40

Client Sample ID: SW-40

Prep Type: Soluble

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

QC Sample Results

Client: TRC Solutions, Inc.

Job ID: 890-1118-1

Project/Site: COG- Gold Coast

SDG: Jal NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-1118-4 MS

Matrix: Solid

Client Sample ID: SW-22A

Prep Type: Soluble

Analysis Batch: 6767

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	199		248	457.9		mg/Kg		105	90 - 110	

Lab Sample ID: 890-1118-4 MSD

Matrix: Solid

Client Sample ID: SW-22A

Prep Type: Soluble

Analysis Batch: 6767

Sample Sample Spike MSD MSD %Rec. RPD RPD Limit Analyte Result Qualifier Added Result Qualifier Limits Unit D %Rec Chloride 199 248 458.0 mg/Kg 105 90 - 110 0

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QC Association Summary

Client: TRC Solutions, Inc.

Job ID: 890-1118-1

Project/Site: COG- Gold Coast

SDG: Jal NM

HPLC/IC

Leach Batch: 6727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1118-1	SW-40	Soluble	Solid	DI Leach	
890-1118-2	FL-26 @ 4.5'	Soluble	Solid	DI Leach	
890-1118-3	SW-22	Soluble	Solid	DI Leach	
MB 880-6727/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-6727/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-6727/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1118-1 MS	SW-40	Soluble	Solid	DI Leach	
890-1118-1 MSD	SW-40	Soluble	Solid	DI Leach	

Analysis Batch: 6734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1118-1	SW-40	Soluble	Solid	300.0	6727
890-1118-2	FL-26 @ 4.5'	Soluble	Solid	300.0	6727
890-1118-3	SW-22	Soluble	Solid	300.0	6727
MB 880-6727/1-A	Method Blank	Soluble	Solid	300.0	6727
LCS 880-6727/2-A	Lab Control Sample	Soluble	Solid	300.0	6727
LCSD 880-6727/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	6727
890-1118-1 MS	SW-40	Soluble	Solid	300.0	6727
890-1118-1 MSD	SW-40	Soluble	Solid	300.0	6727

Leach Batch: 6766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1118-4	SW-22A	Soluble	Solid	DI Leach	
MB 880-6766/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-6766/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-6766/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1118-4 MS	SW-22A	Soluble	Solid	DI Leach	
890-1118-4 MSD	SW-22A	Soluble	Solid	DI Leach	

Analysis Batch: 6767

Released to Imaging: 3/30/2022 11:15:24 AM

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1118-4	SW-22A	Soluble	Solid	300.0	6766
MB 880-6766/1-A	Method Blank	Soluble	Solid	300.0	6766
LCS 880-6766/2-A	Lab Control Sample	Soluble	Solid	300.0	6766
LCSD 880-6766/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	6766
890-1118-4 MS	SW-22A	Soluble	Solid	300.0	6766
890-1118-4 MSD	SW-22A	Soluble	Solid	300.0	6766

Eurofins Xenco, Carlsbad

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4.0

Client: TRC Solutions, Inc. Project/Site: COG- Gold Coast

Job ID: 890-1118-1

SDG: Jal NM

Client Sample ID: SW-40

Date Collected: 08/17/21 10:00 Date Received: 08/17/21 13:14 Lab Sample ID: 890-1118-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	6727	08/18/21 11:26	SC	XEN MID
Soluble	Analysis	300.0		1			6734	08/18/21 13:55	SC	XEN MID

Client Sample ID: FL-26 @ 4.5' Lab Sample ID: 890-1118-2

Date Collected: 08/17/21 10:30 Date Received: 08/17/21 13:14

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	6727	08/18/21 11:26	SC	XEN MID
Soluble	Analysis	300.0		5			6734	08/18/21 14:11	SC	XEN MID

Client Sample ID: SW-22 Lab Sample ID: 890-1118-3

Date Collected: 08/17/21 10:45

Date Received: 08/17/21 13:14

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	6727	08/18/21 11:26	SC	XEN MID
Soluble	Analysis	300.0		5			6734	08/18/21 14:16	SC	XEN MID

Client Sample ID: SW-22A Lab Sample ID: 890-1118-4

Date Collected: 08/17/21 11:00 Date Received: 08/17/21 13:14 **Matrix: Solid**

Batch Batch Dil Initial Final Batch Prepared Method Prep Type Туре Amount Amount Number or Analyzed Analyst Run Factor Lab Soluble Leach DI Leach 5.05 g 50 mL 6766 08/18/21 17:12 SC XEN MID Soluble Analysis 300.0 1 6767 08/19/21 13:06 СН XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: TRC Solutions, Inc.

Project/Site: COG- Gold Coast

SDG: Jal NM

Laboratory: Eurofins Xenco, Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-22

Eurofins Xenco, Carlsbad

Method Summary

Client: TRC Solutions, Inc. Project/Site: COG- Gold Coast

Job ID: 890-1118-1

SDG: Jal NM

Jai	NM	

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Sample Summary

Client: TRC Solutions, Inc. Project/Site: COG- Gold Coast Job ID: 890-1118-1

SDG: Jal NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-1118-1	SW-40	Solid	08/17/21 10:00	08/17/21 13:14
890-1118-2	FL-26 @ 4.5'	Solid	08/17/21 10:30	08/17/21 13:14
890-1118-3	SW-22	Solid	08/17/21 10:45	08/17/21 13:14
890-1118-4	SW-22A	Solid	08/17/21 11:00	08/17/21 13:14

www.xenc			
	Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199		
	EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296	Xenco	
Work Ord	Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334	Environment results	
	Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300		eurotins
	Chain of Custody		

Company Names									
Preservativ None: NO Cool: Cool H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH NaOH+Ascorbic A Sample Co Na Sr TI Sn U 1/245.1/7470 / 7		S.	2 Close	12/12/		Ø	1. Ott	Λ	180
Preservativ None: NO Cool: Cool H ₂ SO ₄ : H ₂ Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH NaOH+Ascorbic A Sample Co Sample Co Na Sr Tl Sn U 1/245.1/7470 / 77	e)	: (Signature) Received by: (Signature)	ne Relinquished by	Date/Tin	іге)	ed by: (Signatu	Receive	nature)	nquished by: (Sig
Preservativ None: NO Cool: Cool H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaMSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH NaOH+Ascoribic A Sample Co Na Sr TI Sn U N 1/245.1/7470 / 77		contractors. It assigns standard terms and conditions uch losses are due to circumstances beyond the control. These terms will be enforced unless previously negotiated.	errofins Xenco, its affiliates and sub expenses incurred by the client if su to Eurofins Xenco, but not analyzed.	lient company to E for any losses or ample submitted t	chase order from c e any responsibility rge of \$5 for each s	nstitutes a valid pur ind shall not assum h project and a cha	nt of samples con cost of samples a be applied to eac	nt and relinquishme e liable only for the harge of \$85.00 will	gnature of this docume . Eurofins Xenco will b s Xenco. A minimum c
Manager:	245.1 / 7470 / 7471	Mn Mo Ni Se Ag Ti U Hg: 1631 /	3a Be Cd Cr Co Cu Pb	KA Sb As B	P 6010: BRCI	TCLP / SPL	dyzed	tal(s) to be and	Acthod(s) and Mo
Manager:	Sr TI Sn U V	Fe Pb Mg Mn Mo Ni K Se Ag SiO2	Be B Cd Ca Cr Co	Sb As	Texas 11	H	8	200.8 / 6020:	1 200.7 / 6010
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Manager:			\ - - -	2	Carp	1045			-
Manager:				2	1000	1030			-26090
Manager:				7	- Co.p	+	17A4637	1	1-40
Xenco Xen					Comp	-	T		Sample Identifica
Manager:	Sample Comments		10	C	Grab/				Sample Identified
Manager:	NaOH+Ascorbic Acid: SAPC				3.6		Corrected		ontainers:
Manager: JACKO Stack TX (915) 392-7550, Carlsbad, NM (575) 988-3199	Zn Acetate+NaOH: Zn	-		0	20	ding:	~	No	Custody Seals:
Manager:	Na ₂ S ₂ O ₃ : NaSO ₃		000-1110		07			8	Custody Seals:
Name:	NaHSO ₄ : NABIS		890-1118		COMOG		Thermome	(Yes) No	s Received Intact:
Xenco EL Paso, TX (915) 585-3443, Lubbock, TX (906) 794-1296	H ₃ PO ₄ : HP			_	No No	Wet Ice:	(Yes) No	Temp Blank:	LE RECEIPT
Xenco EL Paso, TX (915) 585-3443, Lubbook, TX (806) 794-1296				rs	/ed by 4:30pm	the lab, if recei			
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Xenco El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296				ode					
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Xenco EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 www.xenco.com Page Mork Order Comments				1	1		4	20.446	43
Xenco EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 www.xenco.com Page Mork Order Comments		Reporting: Level II Level III PST			ity, State ZIP:	C	79705	TY ONLY	
Xenco EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 www.xenco.com Page JACKO State of the company Name: Company Name: Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐		State of Project:			ddress:	W	K.		
Xenco EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 www.xenco.com Page Mork Order Comments		Program: UST/PST PRP Brown			ompany Name:	C			-
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			1/3 hback TY (806) 704-1796	TY /016) 595 3	n p			Your	

Eurofins Xenco, Carlsbad 1089 N Canal St

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Chain of Custody Record

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Environment Testing

State Zip: TX, 79701 Midland Note Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/fests/matrix being analyzed. The samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC. SW-22 (890-1118-3) FL-260 4 5 (890-1118-2) SW-40 (890-1118-1) Project Name COG- Gold Comst Email Shipping/Receiving Client Information Carlsbad NM 88220 Phone 575-988-3199 Fax: 575-988-3199 Empty Kit Relinquished by Possible Hazard Identification Sample Identification - Client ID (Lab ID) 432-704-5440(Tel) 1211 W Florida Ave. Deliverable Requested I, II, III IV Other (specify) elinquished by elinquished by: lient Contact: Custody Seals Intact urofins Xenco ∆ Yes ∆ No (Sub Contract Lab) Custody Seal No Project #: 89000036 Phone WO# PO#: Due Date Requested 8/18/2021 Sampler Primary Deliverable Rank. SSOW#: TAT Requested (days) Date/Time Date/Time Sample Date 8/17/21 8/17/21 8/17/21 Mountain 10 45 Mountain Mountain 10 30 Sample 10 00 (C=comp, G=grab) Sample Preservation Code Type Company Company Company (W=water S=solid, O=waste/oil, BT=Tissue, Solid Solid Solid jessica kramer@eurofinset.com Kramer, Jessica Lab PM Accreditations Required (See note)
NELAP - Texas ıme Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Month Perform MS/MSD (Yes or No) Special Instructions/QC Requirements 300_ORGFM_28D/DI_LEACH Chloride Cooler Temperature(s) °C and Other Remarks Received by × \times × Analysis Requested State of Origin New Mexico Carrier Tracking No(s) Method of Shipment S Date/Time · **Total Number of containers** F MeOH
G Amchlor
H Ascorbic Acid
I Ice
J DI Water
K EDTA
L EDA Page 1 of 1 COC No 890-356 1 A - HCL B NaOH Preservation Co 890-1118-1 q. Zn Acetate Nitric Acid NaHSO4 Special Instructions/Note 5 N ≶ < ⊂ 0 Z Z Company TSP Dodecahydrate
Acetone
MCAA Company Company None AsNaO2 Na2O4S Na2SO3 Na2S2O3 H2SO4 pH 4-5 other (specify) Months

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-1118-1

SDG Number: Jal NM

List Source: Eurofins Xenco, Carlsbad

Login Number: 1118 List Number: 1 Creator: Clifton, Cloe

Question	Answer	Comment
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.	True	
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?	True	
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	

Released to Imaging: 3/30/2022 11:15:24 AM

<6mm (1/4").

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-1118-1

SDG Number: Jal NM

List Source: Eurofins Xenco, Midland

List Creation: 08/18/21 11:53 AM

Login Number: 1118 List Number: 2

Creator: Copeland, Tatiana

Question	Answer	Comment
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.	True	
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?	True	
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	
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").	True	

Released to Imaging: 3/30/2022 11:15:24 AM

Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Carlsbad 1089 N Canal St. Carlsbad, NM 88220 Tel: (575)988-3199

Laboratory Job ID: 890-1127-1 Client Project/Site: Gold Coast

For:

TRC Solutions, Inc. 2057 Commerce Drive Midland, Texas 79703

Attn: Jared Stoffel

MAMER

Authorized for release by: 8/23/2021 4:15:44 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

LINKS

Review your project results through

Have a Question?



Visit us at:

www.eurofinsus.com/Env

Released to Imaging: 3/30/2022 11:15:24 AM

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Client: TRC Solutions, Inc. Laboratory Job ID: 890-1127-1 Project/Site: Gold Coast

Table of Contents

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QC Sample Results	6
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Definitions/Glossary

Client: TRC Solutions, Inc. Job ID: 890-1127-1

Project/Site: Gold Coast

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossany

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

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 **Quality Control** QC

Relative Error Ratio (Radiochemistry) RER

RL Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points RPD

TEF Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin) TEQ

TNTC Too Numerous To Count

Eurofins Xenco, Carlsbad

Case Narrative

Client: TRC Solutions, Inc.

Job ID: 890-1127-1

Project/Site: Gold Coast

Job ID: 890-1127-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-1127-1

Receipt

The samples were received on 8/19/2021 1:13 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 4.6° C

HPLC/IC

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

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Matrix: Solid

Matrix: Solid

Client Sample Results

Client: TRC Solutions, Inc. Job ID: 890-1127-1

Project/Site: Gold Coast

Client Sample ID: FL-27 @4.5 Lab Sample ID: 890-1127-1

Date Collected: 08/18/21 11:00

Date Received: 08/19/21 13:13

Sample Depth: - 4.5

Method: 300.0 - Anions, Ion Chromatog	raphy -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3830	F1	25.0		mg/Kg			08/20/21 13:11	5

Client Sample ID: SW-41 Lab Sample ID: 890-1127-2

Date Collected: 08/18/21 10:00

Date Received: 08/19/21 13:13

Method: 300.0 - Anions, Ion Chrom	natography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	363	5.05	mg/Kg		_	08/20/21 13:27	1

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Client Sample ID: FL-27 @4.5

Client Sample ID: FL-27 @4.5

Client: TRC Solutions, Inc. Job ID: 890-1127-1

Project/Site: Gold Coast

Lab Sample ID: MB 880-6852/1-A **Matrix: Solid**

Analysis Batch: 6864

MB MB

Method: 300.0 - Anions, Ion Chromatography

MDL Unit Dil Fac Analyte Result Qualifier RL D Prepared Analyzed Chloride <5.00 U 5.00 mg/Kg 08/20/21 12:55

Lab Sample ID: LCS 880-6852/2-A

Matrix: Solid

Analysis Batch: 6864

Spike LCS LCS %Rec. Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 245.8 mg/Kg 98 90 - 110

Lab Sample ID: LCSD 880-6852/3-A

Matrix: Solid

Analysis Batch: 6864

LCSD LCSD %Rec. RPD Spike Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Chloride 250 246.3 90 - 110 mg/Kg

Lab Sample ID: 890-1127-1 MS

Matrix: Solid

Analysis Batch: 6864

Spike MS MS %Rec. Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits 1250 5222 F1 Chloride 3830 F1 112 90 - 110 mg/Kg

Lab Sample ID: 890-1127-1 MSD

Matrix: Solid

Analysis Batch: 6864

-	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	3830	F1	1250	5128		mg/Kg		104	90 - 110	2	20

Eurofins Xenco, Carlsbad

QC Association Summary

Client: TRC Solutions, Inc.

Job ID: 890-1127-1

Project/Site: Gold Coast

HPLC/IC

Leach Batch: 6852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1127-1	FL-27 @4.5	Soluble	Solid	DI Leach	
890-1127-2	SW-41	Soluble	Solid	DI Leach	
MB 880-6852/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-6852/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-6852/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1127-1 MS	FL-27 @4.5	Soluble	Solid	DI Leach	
890-1127-1 MSD	FL-27 @4.5	Soluble	Solid	DI Leach	

Analysis Batch: 6864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1127-1	FL-27 @4.5	Soluble	Solid	300.0	6852
890-1127-2	SW-41	Soluble	Solid	300.0	6852
MB 880-6852/1-A	Method Blank	Soluble	Solid	300.0	6852
LCS 880-6852/2-A	Lab Control Sample	Soluble	Solid	300.0	6852
LCSD 880-6852/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	6852
890-1127-1 MS	FL-27 @4.5	Soluble	Solid	300.0	6852
890-1127-1 MSD	FL-27 @4.5	Soluble	Solid	300.0	6852

Matrix: Solid

XEN MID

Lab Chronicle

Client: TRC Solutions, Inc.

Job ID: 890-1127-1

Project/Site: Gold Coast

Client Sample ID: FL-27 @4.5 Lab Sample ID: 890-1127-1

Date Collected: 08/18/21 11:00 Matrix: Solid

Date Received: 08/19/21 13:13

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	6852	08/20/21 10:40	SC	XEN MID
Soluble	Analysis	300.0		5			6864	08/20/21 13:11	CH	XEN MID

Client Sample ID: SW-41 Lab Sample ID: 890-1127-2

Date Collected: 08/18/21 10:00 Date Received: 08/19/21 13:13

Analysis

Batch Batch Dil Initial Final Batch Prepared Method **Prep Type** Type Run Factor Amount Amount Number or Analyzed Analyst Lab Soluble DI Leach 4.95 g 50 mL 6852 08/20/21 10:40 SC XEN MID Leach

6864

08/20/21 13:27

CH

Laboratory References:

Soluble

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

300.0

Eurofins Xenco, Carlsbad

8/23/2021

Accreditation/Certification Summary

Client: TRC Solutions, Inc. Job ID: 890-1127-1

Project/Site: Gold Coast

Laboratory: Eurofins Xenco, Midland

The accreditations/certifications listed below are applicable to this report.

	Authority	Program	Identification Number	Expiration Date
١	Texas	NELAP	T104704400-20-21	06-30-22

Eurofins Xenco, Carlsbad

Method Summary

Client: TRC Solutions, Inc. Project/Site: Gold Coast

Job ID: 890-1127-1

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Sample Summary

Client: TRC Solutions, Inc. Project/Site: Gold Coast

Job ID: 890-1127-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depti
890-1127-1	FL-27 @4.5	Solid	08/18/21 11:00	08/19/21 13:13	- 4.5
890-1127-2	SW-41	Solid	08/18/21 10:00	08/19/21 13:13	

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eurofins

Environment Testing Xenco

Project Manager:

ARIG

Bill to: (if different) Company Name:

Company Name:

\ddress:

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 7 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 9

509-3334	Work Order No:	
94-1296		
88-3199	250	
	> C www.xenco.com Page C of C	
	Work Order Comments	
	Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐	
	State of Project:	
	Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV☐	
	Deliverables: EDD ADaPT Other:	

	gnature) Date/Time - 8 · 9 · 2 312	Relinquished by: (Signature) Received by: (Signature)	Date/Time 1		Received by: (Signature)	\/. .	Relinquished by: (Signature)
	ions nitrol gotiated.	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expanses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	company to Eurofins Xenco, ny losses or expenses incu e submitted to Eurofins Xen	archase order from client one any responsibility for a large of \$5 for each sample	mples constitutes a valid p samples and shall not assu ied to each project and a c	and relinquishment of sa liable only for the cost of a rge of \$85.00 will be appl	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses of expenses incurred by the client if such losses to expense incurred by the client if such losses to expense incurred by the client if such losses to expense incurred by the client if such losses to expense incurred by the client if such losses to expense incurred by the client is affiliated and such as a
	Hg: 1631 / 245.1 / 7470 / 7471	TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1	Sb As Ba Be Cd	LP 6010: 8RCRA		al(s) to be analyzed	1
	SiO ₂ Na Sr Tl Sn U V Zn	Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se	Sb As Ba Be B Cd	Texas 11 Al	8RCRA 13PPM	200.8 / 6020:	Total 200.7 / 6010
						-	
	> 660						
	Kno 12 20-41		7	- lang 1	3/4,21 (020	5 /8/	SVJ-HA
			<	· Gent	8 May 1000	8 5	SW-41
			1	42 Cap 1	Shuper 1100	5 8	F1-27 e4,5
Pag	Sample Comments		0	Depth Grab/ # of Comp Cont	Date Time Sampled Sampled	Matrix	Sample Identification
1 م	NaOH+Ascorbic Acid: SAPC		46	7.6	Corrected Temperature:	(c _o	Total Containers:
2 0	Zn Acetate+NaOH: Zn		on.	2	Temperature Reading:	Yes No NIA Ter	Sample Custody Seals:
√f 1	Na ₂ S ₂ O ₃ ; NaSO ₃	890-1127 Chain of Custody	0	١	Correction Factor:	Yes No MAN Co	
5	NaHSO ₄ : NABIS		-	5-NM-007	Thermometer ID:		Samples Received Intact:
	H₃PO₄: HP			No No nete	Yes) No Wet Ice:	Temp Blank:	SAMPLE RECEIPT
	H ₂ SO ₄ : H ₂ NaCH: Na			the lab, if received by 4:30pm			PO #:
				TAT starts the day received by		Russic Signinus	
	으				Due Date:	don	Project Location: JAC
	None: NO Di Water: H ₂ O			Rush 24 Code	Routine		Project Number:
	Preservative Codes	ANALYSIS REQUEST		Turn Around	Turn	O COUST	Project Name: (your)
	ADaPI LI Omer	Deliverables: EDD	16ussel-	Email: JAN-D / KE	Email:	432.738.5003	Phone: 432.
	Leave in Face of the Feed in F] [eve)	City, State ZIP:	经本	Migrap TX 7	City, State ZIP: M.C

Revised Date: 08/25/2020 Rev. 2020.

Eurofins Xenco, Carlsbad

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eurofins | Environment Testing |

Project Name Gold Coast Midland State Zip: TX 79701 Possible Hazard Identification Note Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/lests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco.

Eurofins Xenco LLC

**Tench Indiana State of Origin listed above for analysis/lests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC. SW-41 (890-1127-2) FL-27 @4 5 (890-1127-1) elinquished by Deliverable Requested | II III IV Other (specify) Sample Identification - Client ID (Lab ID) 432-704-5440(Tel) 1211 W Florida Ave Carlsbad NM 88220 Phone. 575-988-3199 Fax 575-988-3199 elinquished by: mpty Kıt Relinquish linquished by urofins Xenco npping/Receiving lient Information (Sub Contract Lab) Custody Seal No Date/Time Date/Time Project # 89000036 Primary Deliverable Rank Date/Time PO# Phone TAT Requested (days): Due Date Requested 8/20/2021 Sample Date 8/18/21 8/18/21 Mountain 10 00 Mountain Sample 11 00 (C=comp Sample Type Preservation Code: Company Company Company Matrix Solid Solid Lab PM Kramer Jessica E-Mail jessica kramer@eurofinset.com Ime Field Filtered Sample (Yes or No) NELAP - Texas Accreditations Required (See note) Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Mon Perform MS/MSD (Yes or No) Special Instructions/QC Requirements Cooler Temperature(s) °C and Other Remarks. Received by × × 300_ORGFM_28D/DI_LEACH Chloride Analysis Requested State of Origin New Mexico Carrier Tracking No(s) Method of Shipment: J Date/Time Total Number of containers A HCL
B ZACH
C Zn Acetate
D Nitric Acid
E NaHSO4
F MeOH
G Amchlor
H Ascorbic Acid COC No: 890-359 1 890-1127-1 Preservation Codes Page 1 of 1 l Ice J DI Water C EDTA EDA Special Instructions/Note Company Company M Hexane
N None
N None
O AsNaO2
S Na2SO3
Na2SO3
R Na2SEO3
S H2SO4
T TSP Dodecahydrate
U MCAA / pH 4-5 other (specify) Months

Ver 06/08/2021

Login Sample Receipt Checklist

Client: TRC Solutions, Inc. Job Number: 890-1127-1

SDG Number:

Login Number: 1127 List Source: Eurofins Xenco, Carlsbad

List Number: 1 Creator: Clifton, Cloe

Question	Answer	Comment
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	True	
tampered with.	T	
Samples were received on ice.	True	
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?	True	
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.	N/A	
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	

Eurofins Xenco, Carlsbad

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-1127-1

SDG Number:

List Source: Eurofins Xenco, Midland
List Number: 2
List Creation: 08/20/21 10:57 AM

Creator: Copeland, Tatiana

Question	Answer	Comment
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.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.5/3.0
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?	True	
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	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	True	

1

Eurofins Xenco, Carlsbad

<6mm (1/4").

Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Carlsbad 1089 N Canal St. Carlsbad, NM 88220 Tel: (575)988-3199

Laboratory Job ID: 890-1128-1 Client Project/Site: Gold Coast

For:

TRC Solutions, Inc. 2057 Commerce Drive Midland, Texas 79703

Attn: Jared Stoffel

MRAMER

Authorized for release by: 8/23/2021 4:15:22 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

LINKS

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Released to Imaging: 3/30/2022 11:15:24 AM

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Client: TRC Solutions, Inc.

Laboratory Job ID: 890-1128-1

Project/Site: Gold Coast

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Definitions/Glossary

Client: TRC Solutions, Inc. Job ID: 890-1128-1

Project/Site: Gold Coast

Qualifiers

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

MDC

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)

MDL Method Detection Limit ML Minimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

Not Detected at the reporting limit (or MDL or EDL if shown) ND

Minimum Detectable Concentration (Radiochemistry)

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

TEF Toxicity Equivalent Factor (Dioxin) TEQ Toxicity Equivalent Quotient (Dioxin)

Too Numerous To Count **TNTC**

Eurofins Xenco, Carlsbad

Case Narrative

Client: TRC Solutions, Inc.

Job ID: 890-1128-1

Project/Site: Gold Coast

Job ID: 890-1128-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-1128-1

Receipt

The samples were received on 8/19/2021 1:13 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 4.6° C

HPLC/IC

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

430

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4.0

Client Sample ID: TT-1 @ 0-1

Date Collected: 08/19/21 10:00 Date Received: 08/19/21 13:13

Sample Depth: 1 - 0

Lab Sample ID: 890-1128-1

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL D Dil Fac Unit Prepared Analyzed 4.95 08/20/21 13:38 Chloride 426 mg/Kg

Client Sample ID: TT-1 @2 Lab Sample ID: 890-1128-2 **Matrix: Solid**

Date Collected: 08/19/21 10:05 Date Received: 08/19/21 13:13

Sample Depth: 2

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac 5.04 08/20/21 13:43 17.4 mg/Kg Chloride

Client Sample ID: TT-1 @3 Lab Sample ID: 890-1128-3 Matrix: Solid

Date Collected: 08/19/21 10:10 Date Received: 08/19/21 13:13

Sample Depth: 3

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 4.98 08/20/21 16:13 Chloride 165 mg/Kg

Client Sample ID: TT-1 @4.5 Lab Sample ID: 890-1128-4 Date Collected: 08/19/21 10:15 **Matrix: Solid**

Date Received: 08/19/21 13:13

Sample Depth: 4.5

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chloride 164 4.95 mg/Kg 08/20/21 16:19

Client Sample ID: TT-2 0-1 Lab Sample ID: 890-1128-5 **Matrix: Solid**

Date Collected: 08/19/21 10:30 Date Received: 08/19/21 13:13

Sample Depth: 1 - 0

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier MDL Dil Fac RL Unit D Prepared Analyzed 5.00 Chloride 228 mg/Kg 08/20/21 16:24

Client Sample ID: TT-2 @2 Lab Sample ID: 890-1128-6

Date Collected: 08/19/21 10:35 Date Received: 08/19/21 13:13

Sample Depth: 2

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 4.97 08/20/21 16:29 Chloride 7.19 mg/Kg

Eurofins Xenco, Carlsbad

Matrix: Solid

Job ID: 890-1128-1

Client: TRC Solutions, Inc. Project/Site: Gold Coast

Client Sample ID: TT-2 @3

Date Received: 08/19/21 13:13

Lab Sample ID: 890-1128-7 Date Collected: 08/19/21 10:40

Matrix: Solid

Matrix: Solid

Sample Depth: 3

Method: 300.0 - Anions, Ion Chrom	atography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31.2		5.00		mg/Kg			08/20/21 16:34	1

Client Sample ID: TT-2@ 4.5 Lab Sample ID: 890-1128-8

Date Collected: 08/19/21 10:45 Matrix: Solid

Date Received: 08/19/21 13:13

Sample Depth: 4.5

Method: 300.0 - Anions, Ion Chromatography - Soluble											
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	177		4.96		mg/Kg			08/20/21 16:40	1		

Lab Sample ID: 890-1128-9 Client Sample ID: TT-3 @0-1

Date Collected: 08/19/21 11:00

Date Received: 08/19/21 13:13

Sample Depth: 1 - 0

Method: 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	4790		50.0		mg/Kg			08/20/21 16:55	10	

Client Sample ID: TT-3 @2 Lab Sample ID: 890-1128-10 Date Collected: 08/19/21 11:05 **Matrix: Solid**

Date Received: 08/19/21 13:13

Sample Depth: 2

Method: 300.0 - Anions, Ion Chromatography - Soluble											
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	32.3		5.05		mg/Kg			08/20/21 17:01	1		

Client Sample ID: TT-3@3 Lab Sample ID: 890-1128-11 Date Collected: 08/19/21 11:10 **Matrix: Solid**

Date Received: 08/19/21 13:13

Sample Depth: 3

Method: 300.0 - Anions, Ion Chror	natography -	Soluble						
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.01	U	5.01	mg/Kg			08/20/21 17:16	1

Lab Sample ID: 890-1128-12 Client Sample ID: TT-3 @4.5

Date Collected: 08/19/21 11:15

Date Received: 08/19/21 13:13

Sample Depth: 4.5

Method: 300.0 - Anions, Ion Chromatography - Soluble											
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac				
Chloride	26.6	4.98	mg/Kg		_	08/20/21 17:22	1				

Eurofins Xenco, Carlsbad

Matrix: Solid

QC Sample Results

Client: TRC Solutions, Inc. Job ID: 890-1128-1

Project/Site: Gold Coast

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-6852/1-A Client Sample ID: Method Blank

Matrix: Solid Prep Type: Soluble

Analysis Batch: 6864

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/20/21 12:55	1

Lab Sample ID: LCS 880-6852/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 6864

Spike LCS LCS %Rec. Added Result Qualifier Analyte Unit D %Rec Limits Chloride 250 245.8 mg/Kg 98 90 - 110

MR MR

Lab Sample ID: LCSD 880-6852/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 6864

LCSD LCSD %Rec. RPD Spike Analyte Added Result Qualifier Unit Limits **RPD** Limit Chloride 250 246.3 90 - 110 mg/Kg

Lab Sample ID: 890-1128-8 MS

Matrix: Solid

Analysis Batch: 6864

Spike MS MS %Rec. Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits 446.5 Chloride 177 248 109 90 - 110 mg/Kg

Lab Sample ID: 890-1128-8 MSD

Matrix: Solid

Analysis Batch: 6864

-	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	177		248	438.0		mg/Kg		105	90 - 110	2	20

Eurofins Xenco, Carlsbad

Client Sample ID: TT-2@ 4.5

Client Sample ID: TT-2@ 4.5

Prep Type: Soluble

Prep Type: Soluble

QC Association Summary

Client: TRC Solutions, Inc.

Project/Site: Gold Coast

Job ID: 890-1128-1

HPLC/IC

Leach Batch: 6852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-1128-1	TT-1 @ 0-1	Soluble	Solid	DI Leach	
890-1128-2	TT-1 @2	Soluble	Solid	DI Leach	
890-1128-3	TT-1 @3	Soluble	Solid	DI Leach	
890-1128-4	TT-1 @4.5	Soluble	Solid	DI Leach	
890-1128-5	TT-2 0-1	Soluble	Solid	DI Leach	
890-1128-6	TT-2 @2	Soluble	Solid	DI Leach	
890-1128-7	TT-2 @3	Soluble	Solid	DI Leach	
890-1128-8	TT-2@ 4.5	Soluble	Solid	DI Leach	
890-1128-9	TT-3 @0-1	Soluble	Solid	DI Leach	
890-1128-10	TT-3 @2	Soluble	Solid	DI Leach	
890-1128-11	TT-3@3	Soluble	Solid	DI Leach	
890-1128-12	TT-3 @4.5	Soluble	Solid	DI Leach	
MB 880-6852/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-6852/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-6852/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1128-8 MS	TT-2@ 4.5	Soluble	Solid	DI Leach	
890-1128-8 MSD	TT-2@ 4.5	Soluble	Solid	DI Leach	

Analysis Batch: 6864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1128-1	TT-1 @ 0-1	Soluble	Solid	300.0	6852
890-1128-2	TT-1 @2	Soluble	Solid	300.0	6852
890-1128-3	TT-1 @3	Soluble	Solid	300.0	6852
890-1128-4	TT-1 @4.5	Soluble	Solid	300.0	6852
890-1128-5	TT-2 0-1	Soluble	Solid	300.0	6852
890-1128-6	TT-2 @2	Soluble	Solid	300.0	6852
890-1128-7	TT-2 @3	Soluble	Solid	300.0	6852
890-1128-8	TT-2@ 4.5	Soluble	Solid	300.0	6852
890-1128-9	TT-3 @0-1	Soluble	Solid	300.0	6852
890-1128-10	TT-3 @2	Soluble	Solid	300.0	6852
890-1128-11	TT-3@3	Soluble	Solid	300.0	6852
890-1128-12	TT-3 @4.5	Soluble	Solid	300.0	6852
MB 880-6852/1-A	Method Blank	Soluble	Solid	300.0	6852
LCS 880-6852/2-A	Lab Control Sample	Soluble	Solid	300.0	6852
LCSD 880-6852/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	6852
890-1128-8 MS	TT-2@ 4.5	Soluble	Solid	300.0	6852
890-1128-8 MSD	TT-2@ 4.5	Soluble	Solid	300.0	6852

Eurofins Xenco, Carlsbad

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4.0

11

Client: TRC Solutions, Inc. Project/Site: Gold Coast

Client Sample ID: TT-1 @ 0-1

Date Collected: 08/19/21 10:00 Date Received: 08/19/21 13:13 Lab Sample ID: 890-1128-1

Matrix: Solid

Matrix: Solid

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	6852	08/20/21 10:40	SC	XEN MID
Soluble	Analysis	300.0		1			6864	08/20/21 13:38	CH	XEN MID

Client Sample ID: TT-1 @2 Lab Sample ID: 890-1128-2 **Matrix: Solid**

Date Collected: 08/19/21 10:05 Date Received: 08/19/21 13:13

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	6852	08/20/21 10:40	SC	XEN MID
Soluble	Analysis	300.0		1			6864	08/20/21 13:43	CH	XEN MID

Lab Sample ID: 890-1128-3 Client Sample ID: TT-1 @3

Date Collected: 08/19/21 10:10

Date Received: 08/19/21 13:13

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	6852	08/20/21 10:40	SC	XEN MID
Soluble	Analysis	300.0		1			6864	08/20/21 16:13	CH	XEN MID

Client Sample ID: TT-1 @4.5 Lab Sample ID: 890-1128-4 Date Collected: 08/19/21 10:15 **Matrix: Solid**

Date Received: 08/19/21 13:13

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	6852	08/20/21 10:40	SC	XEN MID
Soluble	Analysis	300.0		1			6864	08/20/21 16:19	CH	XEN MID

Client Sample ID: TT-2 0-1 Lab Sample ID: 890-1128-5 Date Collected: 08/19/21 10:30 **Matrix: Solid**

Date Received: 08/19/21 13:13

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	6852	08/20/21 10:40	SC	XEN MID
Soluble	Analysis	300.0		1			6864	08/20/21 16:24	CH	XEN MID

Client Sample ID: TT-2 @2 Lab Sample ID: 890-1128-6 Date Collected: 08/19/21 10:35 **Matrix: Solid**

Date Received: 08/19/21 13:13

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	6852	08/20/21 10:40	SC	XEN MID
Soluble	Analysis	300.0		1			6864	08/20/21 16:29	CH	XEN MID

Eurofins Xenco, Carlsbad

Job ID: 890-1128-1

Client: TRC Solutions, Inc. Project/Site: Gold Coast

Client Sample ID: TT-2 @3

Date Collected: 08/19/21 10:40 Date Received: 08/19/21 13:13 Lab Sample ID: 890-1128-7

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.00 g	50 mL	6852	08/20/21 10:40	SC	XEN MID
Soluble	Analysis	300.0		1			6864	08/20/21 16:34	CH	XEN MID

Client Sample ID: TT-2@ 4.5 Lab Sample ID: 890-1128-8 **Matrix: Solid**

Date Collected: 08/19/21 10:45 Date Received: 08/19/21 13:13

	_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
	Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
	Soluble	Leach	DI Leach			5.04 g	50 mL	6852	08/20/21 10:40	SC	XEN MID
l	Soluble	Analysis	300.0		1			6864	08/20/21 16:40	CH	XEN MID

Lab Sample ID: 890-1128-9 Client Sample ID: TT-3 @0-1

Date Collected: 08/19/21 11:00

Date Received: 08/19/21 13:13

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	6852	08/20/21 10:40	SC	XEN MID
Soluble	Analysis	300.0		10			6864	08/20/21 16:55	CH	XEN MID

Client Sample ID: TT-3 @2 Lab Sample ID: 890-1128-10 Date Collected: 08/19/21 11:05 **Matrix: Solid**

Date Received: 08/19/21 13:13

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	6852	08/20/21 10:40	SC	XEN MID
Soluble	Analysis	300.0		1			6864	08/20/21 17:01	CH	XEN MID

Client Sample ID: TT-3@3 Lab Sample ID: 890-1128-11 Date Collected: 08/19/21 11:10 **Matrix: Solid**

Date Received: 08/19/21 13:13

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	6852	08/20/21 10:40	SC	XEN MID
Soluble	Analysis	300.0		1			6864	08/20/21 17:16	CH	XEN MID

Client Sample ID: TT-3 @4.5 Lab Sample ID: 890-1128-12 **Matrix: Solid**

Date Collected: 08/19/21 11:15 Date Received: 08/19/21 13:13

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	6852	08/20/21 10:40	SC	XEN MID
Soluble	Analysis	300.0		1			6864	08/20/21 17:22	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Carlsbad

Released to Imaging: 3/30/2022 11:15:24 AM

Accreditation/Certification Summary

Client: TRC Solutions, Inc. Job ID: 890-1128-1

Project/Site: Gold Coast

Laboratory: Eurofins Xenco, Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-22

Eurofins Xenco, Carlsbad

Method Summary

Client: TRC Solutions, Inc.
Project/Site: Gold Coast

Job ID: 890-1128-1

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Sample Summary

Client: TRC Solutions, Inc. Project/Site: Gold Coast

Job ID: 890-1128-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1128-1	TT-1 @ 0-1	Solid	08/19/21 10:00	08/19/21 13:13	1 - 0
890-1128-2	TT-1 @2	Solid	08/19/21 10:05	08/19/21 13:13	2
890-1128-3	TT-1 @3	Solid	08/19/21 10:10	08/19/21 13:13	3
890-1128-4	TT-1 @4.5	Solid	08/19/21 10:15	08/19/21 13:13	4.5
890-1128-5	TT-2 0-1	Solid	08/19/21 10:30	08/19/21 13:13	1 - 0
890-1128-6	TT-2 @2	Solid	08/19/21 10:35	08/19/21 13:13	2
890-1128-7	TT-2 @3	Solid	08/19/21 10:40	08/19/21 13:13	3
890-1128-8	TT-2@ 4.5	Solid	08/19/21 10:45	08/19/21 13:13	4.5
890-1128-9	TT-3 @0-1	Solid	08/19/21 11:00	08/19/21 13:13	1 - 0
890-1128-10	TT-3 @2	Solid	08/19/21 11:05	08/19/21 13:13	2
890-1128-11	TT-3@3	Solid	08/19/21 11:10	08/19/21 13:13	3
890-1128-12	TT-3 @4.5	Solid	08/19/21 11:15	08/19/21 13:13	4.5

		euronins	•
Xenco	Chyronment lesting		
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296	Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334	Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300	Chain of Custody

Revised Date: 08/25/2020 Rev. 2020 2		6					Ji
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: (Signature) Date/Time	gnature) Received by: (Signature)	Relinguished by: (Signature)	Date/Tim	nature)	Received by: (Signature)	: (Signature)	Relinguished by: (Signature)
he control ly negotiated.	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	Xenco, its affiliates and subcontrols incurred by the client if such long Xenco, but not analyzed. Thes	client company to Eurofins) ity for any losses or expense n sample submitted to Eurofin	sume any responsibil charge of \$5 for each	of samples constitutes a valing tof samples and shall not as applied to each project and a	locument and relinquishment on will be liable only for the cosmum charge of \$85.00 will be	Notice: Signature of this dof service. Eurofins Xenco of Eurofins Xenco. A mini
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Sample Comments			# of Cont		Date Time Sampled Sampled	tification Matrix	Sample Identification
NaOH+Ascorbic Acid: SAPC			HL	4.6	Corrected Temperature:		Total Containers:
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www.xenco.com Page / of Z	3.5c www.xe	Isbad, NM (575) 988-3199	Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	Hobb			
		bbock, TX (806) 794-1296	EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296	EL Pa		Xenco	
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Revised Date: 08/25/2020 Rev. 2020.2

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Chain of Custody

Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

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		the lab, if received by 4:30pm	rs	H ₂ SI	H ₂ SO ₄ : H ₂ NaOH: Na
AMPLE RECEIPT Temp Blank	Yes No	Wet Ice: Yes No)E	H ₃ P ₁	H₃PO₄: HP
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Yes No	\$	でかった。		Nazz	Na ₂ S ₂ O ₃ : NaSO ₃
s: Y98-		eading: \GT		Zn A	Zn Acetate+NaOH: Zn
Н	Corrected Temperature:	perature: Pasc	14	NaC	NaOH+Ascorbic Acid: SAPC
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7-302	5 1 1	195 21			
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rcle Method(s) and Metal(s) to be analyzed		TCLP / SPLP 6010: 8RCRA	RA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni	Se Ag TI U	Hg: 1631 / 245.1 / 7470 / 7471
Signature of this document and relinquistice. Eurofins Xenco will be liable only for to fine Xenco. A minimum charge of \$85.00	hment of samples constituted the cost of samples and should be applied to each project.	es a valid purchase order from c all not assume any responsibility ect and a charge of \$5 for each s	ice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions lervice. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control surface. A minimum charge of \$85,00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	s. It assigns standard terms and conditions are due to circumstances beyond the control is will be enforced unless previously negotiated.	
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SAMPLE RE

Cooler Custody Samples Receiv

otal Containers ample Custody Sampler's Name

Project Location

Project Number roject Name: City, State ZIP: Address: Company Name:

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Address:

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Bill to: (if different) Company Name:

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Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐

Work Order Comments

Page

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State of Project:

Eurofins Xenco, Carlsbad

Chain of Custody Record

1089 N Canal St. Carlsbad NM 88220 Phone 575-988-3199 Fax 575-988-3199 eurofins Environment Testing America

	Campler											1			
Client Information (Sub Contract Lab)	Campio			Kramer	ner Jessica	Δi			Callier Tracking No(s)	King No(s)		890-35	890-359 1		
Client Contact Shipping/Receiving	Phone:			E-Mail Jessic	। ca kramer	E-Mail Jessica kramer@eurofinset.com	et.com		State of Origin	ico di		Page Page	Page [.] Page 1 of 2		
Company: Eurofins Xenco					Accreditations Required NELAP - Texas	Accreditations Required (Se NELAP - Texas	(See note)					-068 # doL	Job# 890-1128-1		
Address 1211 W Florida Ave	Due Date Requested 8/20/2021	•					Analysis	sis Rea	Requested			Pres	Preservation Codes	odes	
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State Zip: TX 79701					addigods.							m o (D Nitric Acid E NaHSO4	ρ P C Na Na S	ASNAOZ Na2O4S Na2SO3
Phone: 432-704-5440(Tel)	PO#				salitar								MeOH Amchlor Ascorbic Acid	⊣ ທ ⊅	Na2S2O3 H2SO4 TSD Dodecahydrata
Email	WO#				(o)							_ — :	ice Di Water	< ⊂ -	Acetone MCAA
Project Name Gold Coast	Project # 89000036				s or							×	EDA	Z oth	pH 4-5 other (specify)
Sile	SSOW#:				SD (Y							of con Other	ד		
Sample Identification - Client ID (Lab ID)	Sample Date	Sample	Sample Type (C=comp,	Matrix (w=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Perform MS/N 300_ORGFM_2							Total Number	Special	netruct	ions/Note
	$\left\{ \right\}$	\mathbb{X}	0	ion Code:	X				4.00		en eg	X	$\ \ $		
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TT-1 @4 5 (890-1128-4)	8/19/21	10 15 Mountain		Solid	×							4	***************************************		***************************************
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TT-2 @3 (890-1128-7)	8/19/21	10 40 Mountain		Solid	×							*			
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Note Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC alaboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC alaboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC alaboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC alaboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC alaboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC alaboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC alaboratory or other instructions will be provided. Any changes to accreditation and the status of the Eurofins Xenco LLC alaboratory or other instructions will be provided. Any changes to accreditation are current to date return the signed Chain of Custody attesting to accreditation and the status and the status and the status are considered as a status and the status and the status are considered as a status and the status are considered as a status and the status are considered as a status and the status are considered as a status and the status are considered as a status and the status are considered as a status and the status are considered as a status and the status are considered as a status and the	laces the ownership of eing analyzed the satisfied Chain of Cus	of method, ana mples must be tody attesting	lyte & accredit shipped back to said complic	ation complian to the Eurofins ance to Eurofi	ce upon out s Xenco LLC ns Xenco LL(subcontract laboratory or	laboratories other instru	This sample ctions will be	shipment is provided /	forwarded	under chair s to accredi	Դof-c⊔stod tation statu	ly If the labous should be t	ratory does	s not currently Eurofins Xenco LLC
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1	Date/Time			Company	Re	Received by:				Date	Date/Time			Company	vany
△ Yes △ No					00	oler Temper	Cooler Temperature(s) °C and Other Remarks.	ind Other Re	marks.	5/3	30				

Ver 06/08/2021

Eurofins Xenco, Carlsbad 1089 N Canal St Carlsbad NM 88220 Phone 575-988-3199 Fax: 575-988-3199

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ormation (Sub Contract Lab)	Sampler			Lab PM Krame	_{Lab PM} Kramer Jessica	മ		ູດ	Carrier Tracking No(s)	No(s)		COC No: 890-359 2	o [.] 59 2		
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State Zip TX 79701					t Leas.							O D C	Nitric Acid	P - Na2O4S Q Na2SO3	
Phone: 432-704-5440(Tel)	PO#:												MeOH Amchlor	R Na2S2O3 S H2SO4	
Email	WO #:				Vo)						S		lce DI Water	U Acetone V MCAA	
Project Name Gold Coast	Project #: 89000036				s or						tainer	K EDTA	A	W pH 4-5 Z other (specify)	
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			Sample	Matrix (w=water S=solid,	Filtered : orm MS/M DRGFM_28						Number				
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Custody Seals Intact Custody Seal No					Co	Cooler Temperature(s) °C and Other Remarks.	ure(s) °C and	Other Rema	ırks.						

Environment Testing America

Login Sample Receipt Checklist

Client: TRC Solutions, Inc. Job Number: 890-1128-1

SDG Number:

Login Number: 1128 List Source: Eurofins Xenco, Carlsbad

List Number: 1 Creator: Clifton, Cloe

Question	Answer	Comment
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	True	
tampered with.	T	
Samples were received on ice.	True	
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?	True	
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.	N/A	
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	

Eurofins Xenco, Carlsbad

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number

Job Number: 890-1128-1 SDG Number:

List Source: Eurofins Xenco, Midland

List Creation: 08/20/21 10:56 AM

Login Number: 1128 List Number: 2

Creator: Copeland, Tatiana

Question	Answer	Comment
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.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.5/3.0
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?	True	
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	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	True	

Eurofins Xenco, Carlsbad

Released to Imaging: 3/30/2022 11:15:24 AM

<6mm (1/4").

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Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Midland 1211 W. Florida Ave Midland, TX 79701 Tel: (432)704-5440

Laboratory Job ID: 880-4304-1

Laboratory Sample Delivery Group: Jal, NM Client Project/Site: COG - Gold Coast

For:

TRC Solutions, Inc. 2057 Commerce Drive Midland, Texas 79703

Attn: Jared Stoffel

JURAMER

Authorized for release by: 7/26/2021 5:46:04 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

.....LINKS

Review your project results through

Have a Question?



Visit us at:

www.eurofinsus.com/Env

Released to Imaging: 3/30/2022 11:15:24 AM

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Client: TRC Solutions, Inc.

Laboratory Job ID: 880-4304-1

Project/Site: COG - Gold Coast

SDG: Jal, NM

Table of Contents

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QC Sample Results	6
QC Association Summary	7
Lab Chronicle	8
Certification Summary	9
Method Summary	10
Sample Summary	11
Chain of Custody	12
Receipt Checklists	13

Definitions/Glossary

Job ID: 880-4304-1 Client: TRC Solutions, Inc. Project/Site: COG - Gold Coast SDG: Jal, NM

Qualifiers

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

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

Percent Recovery %R CFL Contains Free Liquid CFU Colony Forming Unit **CNF** Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

Detection Limit (DoD/DOE) DL

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)

Estimated Detection Limit (Dioxin) EDL LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

EPA recommended "Maximum Contaminant Level" MCL 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

Not Detected at the reporting limit (or MDL or EDL if shown) ND

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

TEF Toxicity Equivalent Factor (Dioxin) **TEQ** Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Eurofins Xenco, Midland

Case Narrative

Client: TRC Solutions, Inc.

Project/Site: COG - Gold Coast

SDG: Jal, NM

Job ID: 880-4304-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative 880-4304-1

Receipt

The samples were received on 7/23/2021 4:20 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 5.3°C

HPLC/IC

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

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Client: TRC Solutions, Inc. Project/Site: COG - Gold Coast

Lab Sample ID: 880-4304-1

Matrix: Solid

Client Sample ID: SW-1 Date Collected: 07/22/21 15:15

Date Received: 07/23/21 16:20

Method: 300.0 - Anions, Ion Chromatography - Soluble

Method. 300.0 - Amons, fon Chron	iatography - Soluble						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	258	5.04	mg/Kg			07/24/21 21:58	1

Lab Sample ID: 880-4304-2 Client Sample ID: SW-2 **Matrix: Solid**

Date Collected: 07/22/21 13:10 Date Received: 07/23/21 16:20

Method: 300.0 - Anions, Ion Chron	natography - S	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	812		5.03	mg/Kg			07/24/21 22:03	1

Client Sample ID: SW-3 Lab Sample ID: 880-4304-3 Date Collected: 07/22/21 16:15 **Matrix: Solid**

Date Received: 07/23/21 16:20

Method: 300.0 - Anions, Ion Chroma	atography - S	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	336		4.99	mg/Kg			07/24/21 22:09	1

Client Sample ID: SW-4 Lab Sample ID: 880-4304-4 **Matrix: Solid**

Date Collected: 07/22/21 13:30

Date Received: 07/23/21 16:20

Method: 300.0 - Anions, Ion Chrom	atography - Sol	luble					
Analyte	Result Qu	alifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	677	5.04	mg/Kg			07/24/21 22:14	1

Client Sample ID: SW-5 Lab Sample ID: 880-4304-5

Date Collected: 07/23/21 10:00

Date Received: 07/23/21 16:20

Method: 300.0 - Anions, Ion Chron	natography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3050		25.3	mg/Kg			07/25/21 20:52	5

Matrix: Solid

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

QC Sample Results

Client: TRC Solutions, Inc. Job ID: 880-4304-1 Project/Site: COG - Gold Coast SDG: Jal, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-5608/1-A

Matrix: Solid

Analysis Batch: 5616

MB MB

Dil Fac Analyte Result Qualifier RL Unit D Prepared Analyzed Chloride <5.00 U 5.00 mg/Kg 07/24/21 20:52

Lab Sample ID: LCS 880-5608/2-A

Matrix: Solid

Analysis Batch: 5616

Spike LCS LCS %Rec. Added Result Qualifier Analyte Unit D %Rec Limits Chloride 250 256.1 mg/Kg 102 90 - 110

Lab Sample ID: LCSD 880-5608/3-A

Matrix: Solid

Analysis Batch: 5616

LCSD LCSD %Rec. RPD Spike Analyte Added Result Qualifier Unit Limits **RPD** Limit Chloride 250 253.9 102 90 - 110 20 mg/Kg

QC Association Summary

Client: TRC Solutions, Inc.

Project/Site: COG - Gold Coast

SDG: Jal, NM

HPLC/IC

Leach Batch: 5608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4304-1	SW-1	Soluble	Solid	DI Leach	
880-4304-2	SW-2	Soluble	Solid	DI Leach	
880-4304-3	SW-3	Soluble	Solid	DI Leach	
880-4304-4	SW-4	Soluble	Solid	DI Leach	
880-4304-5	SW-5	Soluble	Solid	DI Leach	
MB 880-5608/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-5608/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-5608/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 5616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4304-1	SW-1	Soluble	Solid	300.0	5608
880-4304-2	SW-2	Soluble	Solid	300.0	5608
880-4304-3	SW-3	Soluble	Solid	300.0	5608
880-4304-4	SW-4	Soluble	Solid	300.0	5608
880-4304-5	SW-5	Soluble	Solid	300.0	5608
MB 880-5608/1-A	Method Blank	Soluble	Solid	300.0	5608
LCS 880-5608/2-A	Lab Control Sample	Soluble	Solid	300.0	5608
LCSD 880-5608/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	5608

Eurofins Xenco, Midland

Client: TRC Solutions, Inc. Project/Site: COG - Gold Coast Job ID: 880-4304-1

SDG: Jal, NM

Client Sample ID: SW-1

Lab Sample ID: 880-4304-1

Date Collected: 07/22/21 15:15 Date Received: 07/23/21 16:20

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	5608	07/23/21 16:33	SC	XEN MID
Soluble	Analysis	300.0		1			5616	07/24/21 21:58	SC	XEN MID

Client Sample ID: SW-2 Lab Sample ID: 880-4304-2

Date Collected: 07/22/21 13:10 Date Received: 07/23/21 16:20 **Matrix: Solid**

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	5608	07/23/21 16:33	SC	XEN MID
Soluble	Analysis	300.0		1			5616	07/24/21 22:03	SC	XEN MID

Client Sample ID: SW-3 Lab Sample ID: 880-4304-3

Date Collected: 07/22/21 16:15 Date Received: 07/23/21 16:20

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	5608	07/23/21 16:33	SC	XEN MID
Soluble	Analysis	300.0		1			5616	07/24/21 22:09	SC	XEN MID

Client Sample ID: SW-4 Lab Sample ID: 880-4304-4

Matrix: Solid

Date Collected: 07/22/21 13:30 Date Received: 07/23/21 16:20

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	5608	07/23/21 16:33	SC	XEN MID
Soluble	Analysis	300.0		1			5616	07/24/21 22:14	SC	XEN MID

Client Sample ID: SW-5 Lab Sample ID: 880-4304-5 Date Collected: 07/23/21 10:00

Matrix: Solid

Date Received: 07/23/21 16:20

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	5608	07/23/21 16:33	SC	XEN MID
Soluble	Analysis	300.0		5			5616	07/25/21 20:52	SC	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: TRC Solutions, Inc.

Project/Site: COG - Gold Coast

SDG: Jal, NM

Laboratory: Eurofins Xenco, Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-22

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Method Summary

Client: TRC Solutions, Inc. Project/Site: COG - Gold Coast Job ID: 880-4304-1

SDG: Jal, NM

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: COG - Gold Coast

Job ID: 880-4304-1 SDG: Jal, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-4304-1	SW-1	Solid	07/22/21 15:15	07/23/21 16:20
880-4304-2	SW-2	Solid	07/22/21 13:10	07/23/21 16:20
880-4304-3	SW-3	Solid	07/22/21 16:15	07/23/21 16:20
880-4304-4	SW-4	Solid	07/22/21 13:30	07/23/21 16:20
880-4304-5	SW-5	Solid	07/23/21 10:00	07/23/21 16:20

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Setting the Standard Since 1990					
Stafford, TX (281) 240-4200 El Paso, T Dallas, TX (214) 902-0300 Lubbock,	El Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296	Midland, TX (432) 704-! San Antonio, TX (210) !		i) 712-8143	Service Center- Amarillo, TX (806)678-4514 Service Center- Hobbs, NM (575) 392-7550
		www xenco	880-4304 Chain of Custody	Xenco Job#	288
				Analytical Information	Matrix Codes
Client / Reporting Information		Project Information			Constitution of Constitution of the Add
Company Name / Branch		Project Name/Number CO4 - (40LD (0AST			W = Water S = Soil/Sed/Solid
Company Address					GW = Ground Water DW = Drinking Water P = Product
- 23		Invoice To			SW = Surface Water SL - Sludge
1 Staffer @ The complaints	. 600	1/66 (2.64)			OW ≈ Ocean/Sea Wat Wi = Wipe
Main Scaffel	7	PO Number			WW = Waste Water
Samplers's Name Casara Security	EBRING		1196		:
		Collection	Number of preserved bottles		
	Sample	Date Time Matrix bottles GCI JaOH/Zn	INO3 I2SO4 IAOH IAHSO4 IEOH ONE		
563	Buckeyle		1		Tiera comments
2 50-2	1	7.22.21 /310	, C	And the state of t	
3 JE-3)	777.4 MS			
4 500-6	1	7,22,7 1300 1		The Common hand the shareshed adversariant transformation (equipment described to the same and	
s SM-S		7.32) (060) 1			
6				Commission (Commission Commission	Control of the second s
		A CONTRACTOR OF THE CONTRACTOR			
8	Section of the control of the contro				
			Managara Arangara Ara		
Turnaround Time (Business days)				Contract and the Contra	
Same Day TAT	TAT	Local Ecological agreement	-	Notes:	
Next Day EMERGENCY 7 Day TAT	TAT	Level III Std QC+ Forms	TRRP Level IV		
2 Day EMERGENCY Contract TAT	nct TAT	Level 3 (CLP Forms)	UST / RG -411		
3 Day EMERGENCY		Level II Report with TRRP checklist	checklist		
TAT Starts Day received by Lab, if received by 5.00 pm	d by 5.00 pm	The state of the s		FED-EX / UPS Tracking #	10 Th
	CUSTODY MUST BE DO	TIME SAMPLES	CHANGE POSSESSION, INCLUDING COURIER DELIVERY		
Sampler	Date Time. 7, 73.7/	1620 Received By	Relinquished By 2	Date Time Received By-	Зу:
reinquisned by	Date Time		Relinquished By	Date Time Received By	Эу.
Refinquished by	Date Time	Received By	Custody Seal # Press	served where applicable	On ice Cooler Temp. Thermo Corr Factor

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-4304-1

SDG Number: Jal, NM

Login Number: 4304 List Source: Eurofins Xenco, Midland

List Number: 1

Creator: Phillips, Kerianna

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
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?	True	
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	
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	

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Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Midland 1211 W. Florida Ave Midland, TX 79701 Tel: (432)704-5440

Laboratory Job ID: 880-4553-1

Laboratory Sample Delivery Group: Jal, NM Client Project/Site: COG - GoldCoast

For:

TRC Solutions, Inc. 2057 Commerce Drive Midland, Texas 79703

Attn: Jared Stoffel

CRAMER

Authorized for release by: 8/3/2021 1:13:48 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

·····LINKS ·······

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Released to Imaging: 3/30/2022 11:15:24 AM

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: TRC Solutions, Inc.

Laboratory Job ID: 880-4553-1

Project/Site: COG - GoldCoast

SDG: Jal, NM

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Definitions/Glossary

Client: TRC Solutions, Inc. Job ID: 880-4553-1 Project/Site: COG - GoldCoast

SDG: Jal, NM

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossany

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
Percent Recovery
Contains Free Liquid
Colony Forming Unit
Contains No Free Liquid
Duplicate Error Ratio (normalized absolute difference)
Dilution Factor
Detection Limit (DoD/DOE)
Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
Decision Level Concentration (Radiochemistry)
Estimated Detection Limit (Dioxin)
Limit of Detection (DoD/DOE)
Limit of Quantitation (DoD/DOE)
EPA recommended "Maximum Contaminant Level"
Minimum Detectable Activity (Radiochemistry)
Minimum Detectable Concentration (Radiochemistry)
Method Detection Limit
Minimum Level (Dioxin)
Most Probable Number

NC Not Calculated

MQL

ND Not Detected at the reporting limit (or MDL or EDL if shown)

Method Quantitation Limit

Negative / Absent NEG POS Positive / Present PQL

Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

Relative Error Ratio (Radiochemistry) RER

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin) TEQ

TNTC Too Numerous To Count

Case Narrative

Client: TRC Solutions, Inc.

Project/Site: COG - GoldCoast

SDG: Jal, NM

Job ID: 880-4553-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative 880-4553-1

Receipt

The samples were received on 8/2/2021~8:32~AM. 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 $4.5^{\circ}C$

HPLC/IC

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

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Method: 300.0 - Anions, Ion Chromatography - Soluble

Method: 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

Result Qualifier

18.1

483 F1

Client: TRC Solutions, Inc.

Project/Site: COG - GoldCoast

Client Sample ID: SW-24

Date Collected: 07/30/21 12:30

Date Received: 08/02/21 08:32

Client Sample ID: SW-25

Date Collected: 07/30/21 12:45

Date Received: 08/02/21 08:32

Client Sample ID: SW-26

Date Collected: 07/30/21 12:00

Date Received: 08/02/21 08:32

Analyte

Chloride

Analyte

Chloride

RL

RL

4.99

5.05

Unit

Unit

mg/Kg

mg/Kg

D

D

Matrix: Solid

SDG: Jal, NM Lab Sample ID: 880-4553-1 **Matrix: Solid** Prepared Analyzed Dil Fac 08/02/21 17:45 Lab Sample ID: 880-4553-2 **Matrix: Solid** Analyzed Dil Fac Prepared 08/02/21 18:01 Lab Sample ID: 880-4553-3 Matrix: Solid Analyzed Dil Fac

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RL Unit D Prepared Chloride 98.8 4.95 08/02/21 18:06 mg/Kg Client Sample ID: SW-27 Lab Sample ID: 880-4553-4

Date Collected: 07/30/21 14:30 Date Received: 08/02/21 08:32

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RL Unit D Prepared Analyzed Dil Fac 4.98 08/02/21 18:12 Chloride 21.9 mg/Kg

Client: TRC Solutions, Inc. Job ID: 880-4553-1 Project/Site: COG - GoldCoast

SDG: Jal, NM

Prep Type: Soluble

Client Sample ID: SW-24

Client Sample ID: SW-24

Prep Type: Soluble

Prep Type: Soluble

Client Sample ID: Method Blank

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-5966/1-A **Matrix: Solid**

Analysis Batch: 5991

MD MD

	INID	IVID						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			08/02/21 17:29	1

Lab Sample ID: LCS 880-5966/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 5991

Spike LCS LCS %Rec. Added Result Qualifier Analyte Unit D %Rec Limits Chloride 250 229.9 mg/Kg 92 90 - 110

Lab Sample ID: LCSD 880-5966/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 5991

LCSD LCSD %Rec. RPD Spike Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Chloride 250 229.4 90 - 110 mg/Kg

Lab Sample ID: 880-4553-1 MS

Matrix: Solid

Analysis Batch: 5991

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	483	F1	253	706.2	F1	ma/Ka		88	90 - 110	

Lab Sample ID: 880-4553-1 MSD

Matrix: Solid

Analysis Batch: 5991

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	483	F1	253	706.8	F1	mg/Kg		89	90 - 110	0	20

QC Association Summary

Client: TRC Solutions, Inc.

Project/Site: COG - GoldCoast

SDG: Jal, NM

HPLC/IC

Leach Batch: 5966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4553-1	SW-24	Soluble	Solid	DI Leach	
880-4553-2	SW-25	Soluble	Solid	DI Leach	
880-4553-3	SW-26	Soluble	Solid	DI Leach	
880-4553-4	SW-27	Soluble	Solid	DI Leach	
MB 880-5966/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-5966/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-5966/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-4553-1 MS	SW-24	Soluble	Solid	DI Leach	
880-4553-1 MSD	SW-24	Soluble	Solid	DI Leach	

Analysis Batch: 5991

Released to Imaging: 3/30/2022 11:15:24 AM

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4553-1	SW-24	Soluble	Solid	300.0	5966
880-4553-2	SW-25	Soluble	Solid	300.0	5966
880-4553-3	SW-26	Soluble	Solid	300.0	5966
880-4553-4	SW-27	Soluble	Solid	300.0	5966
MB 880-5966/1-A	Method Blank	Soluble	Solid	300.0	5966
LCS 880-5966/2-A	Lab Control Sample	Soluble	Solid	300.0	5966
LCSD 880-5966/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	5966
880-4553-1 MS	SW-24	Soluble	Solid	300.0	5966
880-4553-1 MSD	SW-24	Soluble	Solid	300.0	5966

Eurofins Xenco, Midland

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4.0

Client: TRC Solutions, Inc. Project/Site: COG - GoldCoast

Job ID: 880-4553-1

SDG: Jal, NM

Client Sample ID: SW-24

Lab Sample ID: 880-4553-1

Matrix: Solid

Matrix: Solid

Date Collected: 07/30/21 12:30 Date Received: 08/02/21 08:32

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	5966	08/02/21 11:42	CH	XEN MID
Soluble	Analysis	300.0		1			5991	08/02/21 17:45	CH	XEN MID

Client Sample ID: SW-25 Lab Sample ID: 880-4553-2

Date Collected: 07/30/21 12:45 **Matrix: Solid**

Date Received: 08/02/21 08:32

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	5966	08/02/21 11:42	CH	XEN MID
Soluble	Analysis	300.0		1			5991	08/02/21 18:01	CH	XEN MID

Client Sample ID: SW-26 Lab Sample ID: 880-4553-3

Date Collected: 07/30/21 12:00 **Matrix: Solid**

Date Received: 08/02/21 08:32

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	5966	08/02/21 11:42	СН	XEN MID
Soluble	Analysis	300.0		1			5991	08/02/21 18:06	CH	XEN MID

Client Sample ID: SW-27 Lab Sample ID: 880-4553-4

Date Collected: 07/30/21 14:30

Date Received: 08/02/21 08:32

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	5966	08/02/21 11:42	СН	XEN MID
Soluble	Analysis	300.0		1			5991	08/02/21 18:12	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: TRC Solutions, Inc. Job ID: 880-4553-1 Project/Site: COG - GoldCoast SDG: Jal, NM

Laboratory: Eurofins Xenco, Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-22

Method Summary

Client: TRC Solutions, Inc. Project/Site: COG - GoldCoast Job ID: 880-4553-1

SDG: Jal, NM

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: TRC Solutions, Inc. Project/Site: COG - GoldCoast Job ID: 880-4553-1

SDG: Jal, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-4553-1	SW-24	Solid	07/30/21 12:30	08/02/21 08:32
880-4553-2	SW-25	Solid	07/30/21 12:45	08/02/21 08:32
880-4553-3	SW-26	Solid	07/30/21 12:00	08/02/21 08:32
880-4553-4	SW-27	Solid	07/30/21 14:30	08/02/21 08:32

Furnaround Time (Business days)

5 Day TAT

Level II Std QC

Level IV (Full Data Pkg /raw data)

TRRP Level IV

UST / RG -411

Data Deliverable Information

s

Contract TAT ___7 Day TAT

Next Day EMERGENCY Same Day TAT

3 Day EMERGENCY 2 Day EMERGENCY

TAT Starts Day received by Lab, if received by 5:00 pm

SAMPLE CUSTODY MUST BE Under Time:

Date Time:

Date Time:

DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

Recirculary

Recirculary

Date Time Date Time

Received By: Received By FED-EX / UPS Tracking #

Relinquished By

☐ TRRP Checklist Level 3 (CLP Forms) Level III Std QC+ Forms 9

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7,2021 7,30,21 7,302) 15051

1430 128 1245 1230

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SW-25 Sw1-26 SW-27

DM-24

Time

Matrix

of bottles HCI NaOH/Zn Acetate

HNO3

NaHSO4 MEOH NONE Chlorides

Field Comments

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Field ID / Point of Collection

CHAIN OF CUSTODY

	A = Air	***************************************	s	Collection Number of preserved bottles	Ca	
	WANTE Waste Wister					Samplers's Name: Russell Sebring
	WI = Wipe		_		invoice.	Jared Stoffel
	Ovv =Ocean/Sea water					Project Contact:
	St = Sludge			COG-IKE TAVATEZ		lke tavarez@conocophillips
	SW = Surface water			7/20	30	jstoffel@trcCompanies.com
	T = Froduct				Phone No: Invoice To	Email reebring@trccompanies.com
	Dw = Urinking Water				Jai NM	Midland, TX 79705
	GW =Ground Water					10 Desta Dr Suite 130E
	o = aomachacha		_	Project Location:	Projec	Company Address.
	S = Coil/Ord/Colid			COG-GoldCoast	COG	IRC Environmental Corporation
	W II Water			Project Name/Number	Projec	Company Name / Branch
				Project Information		Client / Reporting Information
	Matrix Codes	Analytical Information	Analytical II			
	000 1000					
	77.700	Xenco Job#	Xenco Quote #	www.xenco.com Xenc		
				Midland, Texas (432-704-5251)	Midla	Dallas Texas (214-902-0300)
i R	880-4553 Chain of Custody	-0900)	ona (480-355-0900	San Antonio, Texas (210-509-3334) Arizona	San /	Stafford, Texas (281-240-4200)
/3/						Setting the Standard since 1990
つ(Page 1 Of 1		

): .	Relinquished by	Date Time	Received By	Custody Seal #	Preserved where applicable	ło	On ice Cooler Te	mp. Thermo. Corr Factor
CI	S		6				<u>ئ</u> ج	カサル
U	The state of the s	heyand the control of Xenco	om client company to Xenco Its affiliates and subcontro	actors. It assigns stan	terms and conditions of service	enco will be liable only for	ost of samples and	hall not assume any responsibility for any
y	will be enforced unless previously negotiated under a fully executed client contract	tr.	surface and so or the second project	A. Actions liability will	illilled to the cost of samples.	any samples received by Xenco but	but not analyzed will be	invoiced at \$5 per sample. These terms

Page 12 of 13

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-4553-1

SDG Number: Jal, NM

List Source: Eurofins Xenco, Midland

Login Number: 4553 List Number: 1 Creator: Teel, Brianna

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
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?	True	
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.	N/A	
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	



Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Midland 1211 W. Florida Ave Midland, TX 79701 Tel: (432)704-5440

Laboratory Job ID: 880-4554-1

Laboratory Sample Delivery Group: Jal, NM Client Project/Site: COG - GoldCoast

For:

TRC Solutions, Inc. 2057 Commerce Drive Midland, Texas 79703

Attn: Jared Stoffel

MRAMER

Authorized for release by: 8/3/2021 11:03:26 AM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

LINKS

Review your project results through

Have a Question?



Visit us at:

www.eurofinsus.com/Env

Released to Imaging: 3/30/2022 11:15:24 AM

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Client: TRC Solutions, Inc.

Laboratory Job ID: 880-4554-1

Project/Site: COG - GoldCoast

SDG: Jal, NM

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Definitions/Glossary

Job ID: 880-4554-1 Client: TRC Solutions, Inc. Project/Site: COG - GoldCoast SDG: Jal, NM

Qualifiers

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

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

Percent Recovery %R CFL Contains Free Liquid CFU Colony Forming Unit **CNF** Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

Detection Limit (DoD/DOE) DL

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)

Estimated Detection Limit (Dioxin) EDL LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

EPA recommended "Maximum Contaminant Level" MCL 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

TEF Toxicity Equivalent Factor (Dioxin) **TEQ** Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: TRC Solutions, Inc.

Job ID: 880-4554-1

Project/Site: COG - GoldCoast

SDG: Jal, NM

Job ID: 880-4554-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative 880-4554-1

Receipt

The samples were received on 8/2/2021 8:34 AM. 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 4.5° C

HPLC/IC

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

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Job ID: 880-4554-1 Client: TRC Solutions, Inc. Project/Site: COG - GoldCoast SDG: Jal, NM

Lab Sample ID: 880-4554-1 Client Sample ID: FL-16 @ 4.5' Date Collected: 07/30/21 11:00

Matrix: Solid

Date Received: 08/02/21 08:34 Sample Depth: 4.5'

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL D Dil Fac Unit Prepared Analyzed 4.95 08/02/21 18:17 Chloride 501 mg/Kg

Client Sample ID: FL-17 @ 4.5' Lab Sample ID: 880-4554-2

Date Collected: 07/30/21 11:15

Matrix: Solid Date Received: 08/02/21 08:34

Sample Depth: 4.5'

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac 5.04 08/02/21 18:33 1410 mg/Kg Chloride

Client Sample ID: FL-18 @ 4.5' Lab Sample ID: 880-4554-3 Matrix: Solid

Date Collected: 07/30/21 11:30 Date Received: 08/02/21 08:34

Sample Depth: 4.5'

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 25.1 08/02/21 18:39 Chloride 3790 mg/Kg

Client Sample ID: FL-19 @ 4.5 Lab Sample ID: 880-4554-4 Date Collected: 07/30/21 11:45 **Matrix: Solid**

Date Received: 08/02/21 08:34

Sample Depth: 4.5'

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chloride 1540 24.9 mg/Kg 08/02/21 18:44

Client Sample ID: FL-20 @ 4.5 Lab Sample ID: 880-4554-5 **Matrix: Solid**

Date Collected: 07/30/21 12:15 Date Received: 08/02/21 08:34

Sample Depth: 4.5'

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier MDL RL Unit D Prepared Analyzed Dil Fac Chloride 3510 25.1 mg/Kg 08/02/21 18:49

Client Sample ID: FL-21 @ 4.5 Lab Sample ID: 880-4554-6

Date Collected: 07/30/21 13:00 Date Received: 08/02/21 08:34

Sample Depth: 4.5'

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 4.95 08/02/21 18:55 Chloride 956 mg/Kg

Eurofins Xenco, Midland

Matrix: Solid

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

QC Sample Results

Client: TRC Solutions, Inc.

Job ID: 880-4554-1

Project/Site: COG - GoldCoast

SDG: Jal, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-5966/1-A

Matrix: Solid

Analysis Batch: 5991

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepare	ed Analyzed	Dil Fa
Chloride	<5.00	U	5.00		mg/Kg			08/02/21 17:29	

Lab Sample ID: LCS 880-5966/2-A

Matrix: Solid

Analysis Batch: 5991

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	229.9		mg/Kg		92	90 - 110	

Lab Sample ID: LCSD 880-5966/3-A

Matrix: Solid

Analysis Batch: 5991

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	229.4		mg/Kg		92	90 _ 110	0	20

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QC Association Summary

Client: TRC Solutions, Inc.

Project/Site: COG - GoldCoast

SDG: Jal, NM

HPLC/IC

Leach Batch: 5966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4554-1	FL-16 @ 4.5'	Soluble	Solid	DI Leach	
880-4554-2	FL-17 @ 4.5'	Soluble	Solid	DI Leach	
880-4554-3	FL-18 @ 4.5'	Soluble	Solid	DI Leach	
880-4554-4	FL-19 @ 4.5'	Soluble	Solid	DI Leach	
880-4554-5	FL-20 @ 4.5'	Soluble	Solid	DI Leach	
880-4554-6	FL-21 @ 4.5'	Soluble	Solid	DI Leach	
MB 880-5966/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-5966/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-5966/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 5991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4554-1	FL-16 @ 4.5'	Soluble	Solid	300.0	5966
880-4554-2	FL-17 @ 4.5'	Soluble	Solid	300.0	5966
880-4554-3	FL-18 @ 4.5'	Soluble	Solid	300.0	5966
880-4554-4	FL-19 @ 4.5'	Soluble	Solid	300.0	5966
880-4554-5	FL-20 @ 4.5'	Soluble	Solid	300.0	5966
880-4554-6	FL-21 @ 4.5'	Soluble	Solid	300.0	5966
MB 880-5966/1-A	Method Blank	Soluble	Solid	300.0	5966
LCS 880-5966/2-A	Lab Control Sample	Soluble	Solid	300.0	5966
LCSD 880-5966/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	5966

Eurofins Xenco, Midland

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4.0

Client: TRC Solutions, Inc. Project/Site: COG - GoldCoast Job ID: 880-4554-1

SDG: Jal, NM

Client Sample ID: FL-16 @ 4.5'

Date Collected: 07/30/21 11:00 Date Received: 08/02/21 08:34

Lab Sample ID: 880-4554-1

Matrix: Solid

Matrix: Solid

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	5966	08/02/21 11:42	CH	XEN MID
Soluble	Analysis	300.0		1			5991	08/02/21 18:17	CH	XEN MID

Client Sample ID: FL-17 @ 4.5' Lab Sample ID: 880-4554-2 **Matrix: Solid**

Date Collected: 07/30/21 11:15 Date Received: 08/02/21 08:34

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	5966	08/02/21 11:42	СН	XEN MID
Soluble	Analysis	300.0		1			5991	08/02/21 18:33	CH	XEN MID

Lab Sample ID: 880-4554-3 Client Sample ID: FL-18 @ 4.5'

Date Collected: 07/30/21 11:30

Date Received: 08/02/21 08:34

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Typ	е Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	5966	08/02/21 11:42	СН	XEN MID
Soluble	Analysi	s 300.0		5			5991	08/02/21 18:39	CH	XEN MID

Client Sample ID: FL-19 @ 4.5' Lab Sample ID: 880-4554-4

Date Collected: 07/30/21 11:45 Date Received: 08/02/21 08:34

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	5966	08/02/21 11:42	CH	XEN MID
Soluble	Analysis	300.0		5			5991	08/02/21 18:44	CH	XEN MID

Client Sample ID: FL-20 @ 4.5' Lab Sample ID: 880-4554-5

Date Collected: 07/30/21 12:15

Date Received: 08/02/21 08:34

	Batch	Batch	_	Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	5966	08/02/21 11:42	СН	XEN MID
Soluble	Analysis	300.0		5			5991	08/02/21 18:49	CH	XEN MID

Client Sample ID: FL-21 @ 4.5' Lab Sample ID: 880-4554-6 Date Collected: 07/30/21 13:00 **Matrix: Solid**

Date Received: 08/02/21 08:34

Released to Imaging: 3/30/2022 11:15:24 AM

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	5966	08/02/21 11:42	CH	XEN MID
Soluble	Analysis	300.0		1			5991	08/02/21 18:55	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: TRC Solutions, Inc.

Project/Site: COG - GoldCoast

SDG: Jal, NM

Laboratory: Eurofins Xenco, Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-22

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Method Summary

Client: TRC Solutions, Inc. Project/Site: COG - GoldCoast Job ID: 880-4554-1

SDG: Jal, NM

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: TRC Solutions, Inc. Project/Site: COG - GoldCoast Job ID: 880-4554-1

SDG: Jal, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-4554-1	FL-16 @ 4.5'	Solid	07/30/21 11:00	08/02/21 08:34	4.5'
880-4554-2	FL-17 @ 4.5'	Solid	07/30/21 11:15	08/02/21 08:34	4.5'
880-4554-3	FL-18 @ 4.5'	Solid	07/30/21 11:30	08/02/21 08:34	4.5'
880-4554-4	FL-19 @ 4.5'	Solid	07/30/21 11:45	08/02/21 08:34	4.5'
880-4554-5	FL-20 @ 4.5'	Solid	07/30/21 12:15	08/02/21 08:34	4.5'
880-4554-6	FL-21 @ 4.5'	Solid	07/30/21 13:00	08/02/21 08:34	4.5'

Dallas Texas (214-902-0300) Stafford, Texas (281-240-4200) Setting the Standard since 1990

CHAIN OF CUSTODY

San Antonio, Texas (210-509-3334)

Arizona (480-355-0900)

880-4554 Chain of Custody	

Notice Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility or any losses or expenses incurred by the Client if such loses are due to circumstances beyond the control of Xenco. A minimum charge of \$75 will be applied to each project. Xenco's liability will be limited to the cost of samples. Any samples received by Xenco but not analyzed will be invoiced at \$5 per sample. These terms Email rsebring@trccompanies.com jstoffel@trcCompanies.com Company Name / Branch:
TRC Environmental Corporation 8 Jared Stoffel Samplers's Name: Russell Sebring 10 Desta Dr Suite 130E ke tavarez@conocophilips Company Address: 10 Midland, TX 79705 Relinquished by: Next Day EMERGENCY 3 Day EMERGENCY 2 Day EMERGENCY Same Day TAT Relinquished by TAT Starts Day received by Lab, if received by 5·00 pm Client / Reporting Information guished by Sa H-1804.5 7 76-FL-1904,5 0 Turnaround Time (Business days) 2004,51 7 17045 8 らから Field ID / Point of Collection 2.4 7 Day TAT Contract TAT ☐ 5 Day TAT SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

[Pate] いかい (Received 別) 432-215-6730 Phone No: Bate-Type 1 0878 5, Date Time Date Time Project Name/Number COG-GoldCoast Project Location 7,30,71 7.3221 7,3021 7.30% 75.35 75.35.21 Jal NM Midland, Texas (432-704-5251) nvoice To: Date Received 1300 Received By 1215 1145 130 1115 1100 Time ☐ TRRP Checklist TRC LOC-lko Tavarez Level III Std QC+ Forms Project Information Level 3 (CLP Forms) Level II Std QC s s s s s s s s s Data Deliverable Information # of HCI laOH/Zr Acetate NO3 Level IV (Full Data Pkg /raw data) Relinquished By TRRP Level IV Custody Seal # 12SO4 UST / RG -411 NaOH NaHSO4 MEOH Preserved where applicable NONE Xenco Quote : Chlorides 2 Date Time Date Time Analytical Information FED-EX / UPS Tracking # Received By Received By Xenco Job # 1221-066 Field Comments W = Water S = Soil/Sed/Solid OW =Ocean/Sea Water SW = Surface water P = Product DW = Drinking Water GW =Ground Water O = Oil WW= Waste Water WI = Wipe SL = Sludge A = Air Matrix Codes

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-4554-1

SDG Number: Jal, NM

List Source: Eurofins Xenco, Midland

Login Number: 4554 List Number: 1 Creator: Teel, Brianna

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
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?	True	
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	

Eurofins Xenco, Midland

<6mm (1/4").



Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Midland 1211 W. Florida Ave Midland, TX 79701 Tel: (432)704-5440

Laboratory Job ID: 880-4560-1

Laboratory Sample Delivery Group: Jal, NM Client Project/Site: COG - GoldCoast

For:

TRC Solutions, Inc. 2057 Commerce Drive Midland, Texas 79703

Attn: Jared Stoffel

MAMER

Authorized for release by: 8/3/2021 11:03:42 AM

Jessica Kramer, Project Manager (432)704-5440

iessica.kramer@eurofinset.com

LINKS

Review your project results through

Have a Question?



Visit us at:

www.eurofinsus.com/Env
Released to Imaging: 3/30/2022 11:15:24 AM

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Client: TRC Solutions, Inc.

Laboratory Job ID: 880-4560-1

Project/Site: COG - GoldCoast

SDG: Jal, NM

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Definitions/Glossary

Client: TRC Solutions, Inc.

Job ID: 880-4560-1

Project/Site: COG - GoldCoast

SDG: Jal, NM

Qualifiers

HPLC/IC

Qualifier Description

U Indicates the analyte was analyzed for but not detected.

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

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: TRC Solutions, Inc.

Job ID: 880-4560-1

Project/Site: COG - GoldCoast

SDG: Jal, NM

Job ID: 880-4560-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative 880-4560-1

Receipt

The samples were received on 8/2/2021~8:28~AM. 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 $4.5^{\circ}C$

HPLC/IC

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

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Client: TRC Solutions, Inc. Project/Site: COG - GoldCoast Job ID: 880-4560-1 SDG: Jal, NM

I, NM

Client Sample ID: FL-8 @ 4.5'
Date Collected: 07/29/21 14:00

Lab Sample ID: 880-4560-1

Matrix: Solid

Matrix: Solid

Matrix: Solid

Matrix: Solid

Matrix: Solid

Date Received: 08/02/21 08:28

Method: 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	3990		24.9		mg/Kg			08/02/21 19:00	5

Client Sample ID: FL-9 @ 4.5'

Lab Sample ID: 880-4560-2

Date Collected: 07/29/21 14:15 Date Received: 08/02/21 08:28

Method: 300.0 - Anions, Ion Chro	matography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	310	4.95	mg/Kg			08/02/21 19:16	1

Client Sample ID: FL-10 @ 4.5'

Date Collected: 07/29/21 14:30

Lab Sample ID: 880-4560-3

Matrix: Solid

Date Collected: 07/29/21 14:30 Date Received: 08/02/21 08:28

Method: 300.0 - Anions, Ion Chromatography - SolubleAnalyteResult
ChlorideQualifierRL
4.97MDL
mg/KgUnit
mg/KgD
D
D
D
Prepared
Prepared
Nanalyzed
Analyzed
Analyzed
Dil Fac
Dil
Client Sample ID: FL-11 @ 4.5'

Date Collected: 07/29/21 14:45

Lab Sample ID: 880-4560-4

Matrix: Solid

Date Collected: 07/29/21 14:45 Date Received: 08/02/21 08:28

Method: 300.0 - Anions, Ion Chromatography - SolubleAnalyteResultQualifierRLMDLUnitDPreparedAnalyzedDil FacChloride7244.95mg/Kg08/02/21 19:381

Client Sample ID: FL-12 @ 4.5'

Lab Sample ID: 880-4560-5

Date Collected: 07/29/21 15:00 Date Received: 08/02/21 08:28

Method: 300.0 - Anions, Ion Chromatography - SolubleAnalyteResultQualifierRLMDLUnitDPreparedAnalyzedDil FacChloride205024.9mg/Kg08/02/21 19:435

Client Sample ID: FL-13 @ 4.5'

Lab Sample ID: 880-4560-6

Date Collected: 07/29/21 15:15

Date Received: 08/02/21 08:28

Method: 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	179		5.00		mg/Kg			08/02/21 19:49	1

Client Sample ID: FL-14 @ 4.5'

Lab Sample ID: 880-4560-7

Date Collected: 07/29/21 15:30 Date Received: 08/02/21 08:28

Method: 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3460		25.0		mg/Kg			08/02/21 19:54	5

Client Sample Results

Client: TRC Solutions, Inc.

Project/Site: COG - GoldCoast

SDG: Jal, NM

Client Sample ID: FL-15 @ 4.5'

Lab Sample ID: 880-4560-8

Date Collected: 07/29/21 15:45
Date Received: 08/02/21 08:28

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble								
	Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	2070	24.8	mg/Kg			08/02/21 19:59	5

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Client: TRC Solutions, Inc.

Job ID: 880-4560-1

Client Sample ID: FL-8 @ 4.5'

Client Sample ID: FL-8 @ 4.5'

Prep Type: Soluble

Prep Type: Soluble

SDG: Jal, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-5966/1-A

Matrix: Solid

Project/Site: COG - GoldCoast

Analysis Batch: 5991

Analyte

Chloride

Client Sample ID: Method Blank
Prep Type: Soluble

 MB
 Result
 Qualifier
 RL
 MDL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 <5.00</td>
 U
 5.00
 mg/Kg
 08/02/21 17:29
 1

Lab Sample ID: LCS 880-5966/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 5991

Alialysis Batch. 5991

Spike LCS LCS %Rec. Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 229.9 mg/Kg 92 90 - 110

Lab Sample ID: LCSD 880-5966/3-A

Client Sample ID: Lab Control Sample Dup
Matrix: Solid

Prep Type: Soluble

Analysis Batch: 5991

LCSD LCSD %Rec. RPD Spike Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Chloride 250 229.4 20 mg/Kg 90 - 110

Lab Sample ID: 880-4560-1 MS

Matrix: Solid

Analysis Batch: 5991

MS MS Sample Sample Spike %Rec. Analyte Result Qualifier Added Qualifier Unit %Rec Result Limits Chloride 3990 1240 5100 90 90 - 110 mg/Kg

Lab Sample ID: 880-4560-1 MSD

Matrix: Solid

Analysis Batch: 5991

Sample Sample Spike MSD MSD %Rec. RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 1240 3990 5151 mg/Kg 94 90 - 110 20

QC Association Summary

Client: TRC Solutions, Inc.

Project/Site: COG - GoldCoast

SDG: Jal, NM

HPLC/IC

Leach Batch: 5966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4560-1	FL-8 @ 4.5'	Soluble	Solid	DI Leach	
880-4560-2	FL-9 @ 4.5'	Soluble	Solid	DI Leach	
880-4560-3	FL-10 @ 4.5'	Soluble	Solid	DI Leach	
880-4560-4	FL-11 @ 4.5'	Soluble	Solid	DI Leach	
880-4560-5	FL-12 @ 4.5'	Soluble	Solid	DI Leach	
880-4560-6	FL-13 @ 4.5'	Soluble	Solid	DI Leach	
880-4560-7	FL-14 @ 4.5'	Soluble	Solid	DI Leach	
880-4560-8	FL-15 @ 4.5'	Soluble	Solid	DI Leach	
MB 880-5966/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-5966/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-5966/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-4560-1 MS	FL-8 @ 4.5'	Soluble	Solid	DI Leach	
880-4560-1 MSD	FL-8 @ 4.5'	Soluble	Solid	DI Leach	

Analysis Batch: 5991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-4560-1	FL-8 @ 4.5'	Soluble	Solid	300.0	5966
880-4560-2	FL-9 @ 4.5'	Soluble	Solid	300.0	5966
880-4560-3	FL-10 @ 4.5'	Soluble	Solid	300.0	5966
880-4560-4	FL-11 @ 4.5'	Soluble	Solid	300.0	5966
880-4560-5	FL-12 @ 4.5'	Soluble	Solid	300.0	5966
880-4560-6	FL-13 @ 4.5'	Soluble	Solid	300.0	5966
880-4560-7	FL-14 @ 4.5'	Soluble	Solid	300.0	5966
880-4560-8	FL-15 @ 4.5'	Soluble	Solid	300.0	5966
MB 880-5966/1-A	Method Blank	Soluble	Solid	300.0	5966
LCS 880-5966/2-A	Lab Control Sample	Soluble	Solid	300.0	5966
LCSD 880-5966/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	5966
880-4560-1 MS	FL-8 @ 4.5'	Soluble	Solid	300.0	5966
880-4560-1 MSD	FL-8 @ 4.5'	Soluble	Solid	300.0	5966

Eurofins Xenco, Midland

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Job ID: 880-4560-1 SDG: Jal, NM

Project/Site: COG - GoldCoast

Date Received: 08/02/21 08:28

Client: TRC Solutions, Inc.

Client Sample ID: FL-8 @ 4.5' Lab Sample ID: 880-4560-1 Date Collected: 07/29/21 14:00

Matrix: Solid

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	5966	08/02/21 11:42	CH	XEN MID
Soluble	Analysis	300.0		5			5991	08/02/21 19:00	CH	XEN MID

Client Sample ID: FL-9 @ 4.5' Lab Sample ID: 880-4560-2

Matrix: Solid

Date Collected: 07/29/21 14:15 Date Received: 08/02/21 08:28

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	5966	08/02/21 11:42	CH	XEN MID
Soluble	Analysis	300.0		1			5991	08/02/21 19:16	CH	XEN MID

Client Sample ID: FL-10 @ 4.5' Lab Sample ID: 880-4560-3

Date Collected: 07/29/21 14:30 Matrix: Solid

Date Received: 08/02/21 08:28

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	5966	08/02/21 11:42	СН	XEN MID
Soluble	Analysis	300.0		1			5991	08/02/21 19:22	CH	XEN MID

Client Sample ID: FL-11 @ 4.5' Lab Sample ID: 880-4560-4

Date Collected: 07/29/21 14:45 **Matrix: Solid**

Date Received: 08/02/21 08:28

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	5966	08/02/21 11:42	СН	XEN MID
Soluble	Analysis	300.0		1			5991	08/02/21 19:38	CH	XEN MID

Client Sample ID: FL-12 @ 4.5' Lab Sample ID: 880-4560-5

Date Collected: 07/29/21 15:00 **Matrix: Solid**

Date Received: 08/02/21 08:28

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	5966	08/02/21 11:42	CH	XEN MID
Soluble	Analysis	300.0		5			5991	08/02/21 19:43	CH	XEN MID

Client Sample ID: FL-13 @ 4.5' Lab Sample ID: 880-4560-6

Date Collected: 07/29/21 15:15 **Matrix: Solid** Date Received: 08/02/21 08:28

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab DI Leach СН XEN MID Soluble Leach 5 g 50 mL 5966 08/02/21 11:42 Analysis 300.0 5991 XEN MID Soluble 08/02/21 19:49

Lab Chronicle

Client: TRC Solutions, Inc. Job ID: 880-4560-1 Project/Site: COG - GoldCoast SDG: Jal, NM

Client Sample ID: FL-14 @ 4.5'

Date Received: 08/02/21 08:28

Lab Sample ID: 880-4560-7 Date Collected: 07/29/21 15:30

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab DI Leach Soluble Leach 5.01 g 50 mL 5966 08/02/21 11:42 СН XEN MID 300.0 08/02/21 19:54 Soluble Analysis 5 5991 CH XEN MID

Client Sample ID: FL-15 @ 4.5' Lab Sample ID: 880-4560-8

Matrix: Solid

Date Collected: 07/29/21 15:45 Date Received: 08/02/21 08:28

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	5966	08/02/21 11:42	СН	XEN MID
Soluble	Analysis	300.0		5			5991	08/02/21 19:59	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: TRC Solutions, Inc. Job ID: 880-4560-1 Project/Site: COG - GoldCoast SDG: Jal, NM

Laboratory: Eurofins Xenco, Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-22

Method Summary

Client: TRC Solutions, Inc. Project/Site: COG - GoldCoast Job ID: 880-4560-1

SDG: Jal, NM

		_
col	Laboratory	

Method **Method Description** Protoc 300.0 Anions, Ion Chromatography MCAWW XEN MID DI Leach **Deionized Water Leaching Procedure** ASTM XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Midland

Released to Imaging: 3/30/2022 11:15:24 AM

Sample Summary

Client: TRC Solutions, Inc. Job ID: 880-4560-1 Project/Site: COG - GoldCoast SDG: Jal, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-4560-1	FL-8 @ 4.5'	Solid	07/29/21 14:00	08/02/21 08:28
880-4560-2	FL-9 @ 4.5'	Solid	07/29/21 14:15	08/02/21 08:28
880-4560-3	FL-10 @ 4.5'	Solid	07/29/21 14:30	08/02/21 08:28
880-4560-4	FL-11 @ 4.5'	Solid	07/29/21 14:45	08/02/21 08:28
880-4560-5	FL-12 @ 4.5'	Solid	07/29/21 15:00	08/02/21 08:28
880-4560-6	FL-13 @ 4.5'	Solid	07/29/21 15:15	08/02/21 08:28
880-4560-7	FL-14 @ 4.5'	Solid	07/29/21 15:30	08/02/21 08:28
880-4560-8	FL-15 @ 4.5'	Solid	07/29/21 15:45	08/02/21 08:28

Stafford, Texas (281-240-4200) Setting the Standard since 1990

San Antonio, Texas (210-509-3334)

Arizona (480-355-0900)

880-4560 Chain of Custody

Dallas Texas (214-902-0300)		27	lidland, Tex	Midland, Texas (432-704-5251)	5251)									•			
					www.xenco.com	ico.com			Xenco Guote #	mote #		Хел	Xenco Job #	790	185h - (0	
									Anal	lytical li	Analytical	Analytical Information	1		2	Matrix	Matrix Codes
Company Name / Branch		0	Mama/N		Project Information]										:	
TRC Environmental Corporation			COG-GoldCoast	ast											Partebolish	W = Water	6. 6.
Company Address.		70	roject Location	3												GW =Gr	GW =Ground Water
Midland, TX 79705		د	Jai NM													DW = Dr	DW = Drinking Water
Email (sebring@)(rscompanies.com	Phone No:		Invoice To.		757				_				_			SW = Surfac	SW = Surface water
lke tavarez@conocophilios	432-215-6730			Sec	アンショ	•										SL = Sludge	dge
Project Contact:				-	+ American	Ţ										OW = 0c	OW =Ocean/Sea Water
Jared Stoffel		L	Invoice:													0=0:1	à
Samplers's Name: Russell Sebring																WW=W	WW= Waste Water
			Collection			Nur	nber of pres	Number of preserved bottles								A = Air	
No Field ID / Point of Collection	ž					Zn		04	ride								
		Sample Depth	Date	Time	# of Matrix bottles	HCI NaOH/	1NO3	laHSC	MEOH NONE Chlo							Tiold Comm	
1 FL-8045'		45	7.29.21	2400	~- &												
2 FL-9 045		4.51	728.21	1415	s 1				7					+			
3 R-10645		4.5% 7	17,07,7	1430	s ·				7								
4 FL-11@4,5"		45.7		1445	s 					+				+			
5 FL-1204,5		,	7,78,21	1500	s -				7	1	_			\dashv			
6 FL-13045'		4 (51,4	7.29,21	1515	s					-							
1 K-1404,5		4,50		1530	s 1				7								
8 FL-15@4.5°		457		1545	s 1				٢	1							
9					s s												
10					s									-			
Turnaround Time (Business days)					Data De	Data Deliverable Information	mation					Notes		-			
Same Day TAT	5 Day TAT			Leve	Level II Std QC		<u>آ</u>	Level IV (Full Data Pkg /raw	ata Pkg /raw	data)							
Next Day EMERGENCY]7 Day TAT			Level	Level III Std QC+ Forms	Forms	☐ IR	TRRP Level IV									
2 Day EMERGENCY	Contract TAT			Level	Level 3 (CLP Forms)	ns)	□ us	UST / RG -411									
3 Day EMERGENCY	WANT THE PARTY OF]	TRRF	TRRP Checklist												
TAT Starts Day received by Lab, if received by 5:00 pm	received by 5:00) pm										FED-EX / UPS	S Tracking#	#			
Relinquished by Samples	Date Time: Rectived By	Date Time:	0%70	Regelved By	>	ES CHANGE P	Relii	Relinquished By	ט אורא טר	in a	Date Time	Rece	Received By	j			
Relinquished by:		Date Time		Received By			A Relii	Relinquished By		Date Time	Time	Rece	Received By:		74444		
Relinquished by		Date Time		Received By			Cusi	Custody Seal#	Preserve	Preserved where applicable	oplicable	-			cooler Temp.	Thermo.	Thermo. Corr Factor
will be enforced unless previously negotiated under a fully executed client contract.	executed client contra	beyond the co	trol of Xenco.	om client compar A minimum charg	y to Xenco, its ge of \$75 will b	e applied to ea	subcontractors ch project. Xe	s It assigns stanco's liability w	andard terms a vill be limited to	and condition the cost of	s of service samples. An	Xenco will be samples rec	liable only for eived by Xer	If the cost of	samples ånd shali nalyzed will be invo	il not assume any oiced at \$5 per s	responsibility for any ample These terms
	The state of the s	•															

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-4560-1

SDG Number: Jal, NM

Login Number: 4560 List Source: Eurofins Xenco, Midland

List Number: 1

Creator: Phillips, Kerianna

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
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	
s the Field Sampler's name present on COC?	True	
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	
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	

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8/3/2021



Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Midland 1211 W. Florida Ave Midland, TX 79701 Tel: (432)704-5440

Laboratory Job ID: 880-5500-1

Laboratory Sample Delivery Group: 438371 Client Project/Site: COG & Gold Coast

For:

TRC Solutions, Inc. 2057 Commerce Drive Midland, Texas 79703

Attn: Jared Stoffel

MRAMER

Authorized for release by: 8/27/2021 2:42:47 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

.....LINKS

Review your project results through

Have a Question?



Visit us at:

www.eurofinsus.com/Env

Released to Imaging: 3/30/2022 11:15:24 AM

intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

This report has been electronically signed and authorized by the signatory. Electronic signature is

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Client: TRC Solutions, Inc.

Project/Site: COG & Gold Coast

Laboratory Job ID: 880-5500-1

SDG: 438371

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QC Sample Results	6
QC Association Summary	7
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Sample Summary	11
Chain of Custody	12
Receipt Checklists	13

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Definitions/Glossary

Job ID: 880-5500-1 Client: TRC Solutions, Inc. Project/Site: COG & Gold Coast SDG: 438371

Qualifiers

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

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

Percent Recovery %R CFL Contains Free Liquid CFU Colony Forming Unit **CNF** Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

Detection Limit (DoD/DOE) DL

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)

Estimated Detection Limit (Dioxin) EDL LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

EPA recommended "Maximum Contaminant Level" MCL 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

Not Detected at the reporting limit (or MDL or EDL if shown) ND

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

TEF Toxicity Equivalent Factor (Dioxin) **TEQ** Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: TRC Solutions, Inc.

Project/Site: COG & Gold Coast

SDG: 438371

Job ID: 880-5500-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative 880-5500-1

Receipt

The samples were received on 8/26/2021 1:49 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 3.9°C

HPLC/IC

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

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Job ID: 880-5500-1 SDG: 438371

Project/Site: COG & Gold Coast Client Sample ID: FL- 28 @ 4.5'

Lab Sample ID: 880-5500-1

Matrix: Solid

Date Collected: 08/23/21 12:30 Date Received: 08/26/21 13:49

Client: TRC Solutions, Inc.

Sample Depth: 4.5'

Method: 300.0 - Anions, Ion Chrom	atography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4390		25.3		mg/Kg			08/27/21 10:31	5

Client Sample ID: SW-42 Lab Sample ID: 880-5500-2 Matrix: Solid

Date Collected: 08/24/21 10:30 Date Received: 08/26/21 13:49

Sample Depth: 4.5'

Method: 300.0 - Anions, Ion Chrom	atography - Soluble							
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	63.4	4.98		mg/Kg			08/27/21 10:47	1

Lab Sample ID: 880-5500-3 Client Sample ID: SW-43 Matrix: Solid

Date Collected: 08/24/21 10:45 Date Received: 08/26/21 13:49

Sample Depth: 4.5'

Method: 300.0 - Anions, Ion Chrom	atography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.1		4.97		mg/Kg			08/27/21 11:44	1

Client Sample ID: SW-44 Lab Sample ID: 880-5500-4 Date Collected: 08/24/21 11:00 **Matrix: Solid**

Date Received: 08/26/21 13:49

Sample Depth: 4.5'

Method: 300.0 - Anions, Ion Chrom	natography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90.4	4.95	mg/Kg			08/27/21 11:49	1

Client Sample ID: SW-45 Lab Sample ID: 880-5500-5

Date Collected: 08/24/21 11:15 Date Received: 08/26/21 13:49

Sample Depth: 4.5'

Method: 300.0 - Anions, Ion Chron	natography - S	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71.8		5.00		mg/Kg			08/27/21 11:54	1

Lab Sample ID: 880-5500-6 Client Sample ID: FL-29 @ 1.5'

Date Collected: 08/24/21 11:30 Date Received: 08/26/21 13:49

Sample Depth: 4.5'

Method: 300.0 - Anions, Ion Chroma	atography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	129		4.96		mg/Kg			08/27/21 12:10	1

Eurofins Xenco, Midland

Matrix: Solid

Matrix: Solid

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Job ID: 880-5500-1 Project/Site: COG & Gold Coast

SDG: 438371

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-7142/1-A

Matrix: Solid Analysis Batch: 7152

Client: TRC Solutions, Inc.

Client Sample ID: Method Blank **Prep Type: Soluble**

MB MB MDL Unit Analyte Result Qualifier RL D Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 mg/Kg 08/27/21 10:15

Lab Sample ID: LCS 880-7142/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 7152

Spike LCS LCS %Rec. Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 261.4 mg/Kg 105 90 - 110

Lab Sample ID: LCSD 880-7142/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 7152

LCSD LCSD %Rec. RPD Spike Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Chloride 250 261.8 105 90 - 110 20 mg/Kg

Lab Sample ID: 880-5500-1 MS Client Sample ID: FL- 28 @ 4.5' **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 7152

MS MS %Rec. Sample Sample Spike Analyte Result Qualifier Added Qualifier Unit %Rec Result Limits Chloride 4390 1260 5719 105 90 - 110 mg/Kg

Lab Sample ID: 880-5500-1 MSD

Matrix: Solid

Analysis Batch: 7152

Sample Sample Spike MSD MSD %Rec. RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 1260 4390 5719 mg/Kg 105 90 - 110 0 20

Eurofins Xenco, Midland

Client Sample ID: FL- 28 @ 4.5'

Prep Type: Soluble

QC Association Summary

Client: TRC Solutions, Inc.

Project/Site: COG & Gold Coast

SDG: 438371

HPLC/IC

Leach Batch: 7142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5500-1	FL- 28 @ 4.5'	Soluble	Solid	DI Leach	
880-5500-2	SW-42	Soluble	Solid	DI Leach	
880-5500-3	SW-43	Soluble	Solid	DI Leach	
880-5500-4	SW-44	Soluble	Solid	DI Leach	
880-5500-5	SW-45	Soluble	Solid	DI Leach	
880-5500-6	FL-29 @ 1.5'	Soluble	Solid	DI Leach	
MB 880-7142/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-7142/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-7142/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-5500-1 MS	FL- 28 @ 4.5'	Soluble	Solid	DI Leach	
880-5500-1 MSD	FL- 28 @ 4.5'	Soluble	Solid	DI Leach	

Analysis Batch: 7152

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5500-1	FL- 28 @ 4.5'	Soluble	Solid	300.0	7142
880-5500-2	SW-42	Soluble	Solid	300.0	7142
880-5500-3	SW-43	Soluble	Solid	300.0	7142
880-5500-4	SW-44	Soluble	Solid	300.0	7142
880-5500-5	SW-45	Soluble	Solid	300.0	7142
880-5500-6	FL-29 @ 1.5'	Soluble	Solid	300.0	7142
MB 880-7142/1-A	Method Blank	Soluble	Solid	300.0	7142
LCS 880-7142/2-A	Lab Control Sample	Soluble	Solid	300.0	7142
LCSD 880-7142/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	7142
880-5500-1 MS	FL- 28 @ 4.5'	Soluble	Solid	300.0	7142
880-5500-1 MSD	FL- 28 @ 4.5'	Soluble	Solid	300.0	7142

Eurofins Xenco, Midland

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Client: TRC Solutions, Inc. Project/Site: COG & Gold Coast Job ID: 880-5500-1 SDG: 438371

Client Sample ID: FL- 28 @ 4.5'

Date Collected: 08/23/21 12:30 Date Received: 08/26/21 13:49

Lab Sample ID: 880-5500-1

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	7142	08/26/21 15:21	SC	XEN MID
Soluble	Analysis	300.0		5			7152	08/27/21 10:31	CH	XEN MID

Client Sample ID: SW-42 Lab Sample ID: 880-5500-2 Matrix: Solid

Date Collected: 08/24/21 10:30 Date Received: 08/26/21 13:49

Prepared		

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	7142	08/26/21 15:21	SC	XEN MID
Soluble	Analysis	300.0		1			7152	08/27/21 10:47	CH	XEN MID

Client Sample ID: SW-43 Lab Sample ID: 880-5500-3

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Date Collected: 08/24/21 10:45

Date Received: 08/26/21 13:49

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Prepared			
or Analyzed	Analyst	Lab	

	Batch	Batch		III	initiai	Finai	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	7142	08/26/21 15:21	SC	XEN MID
Soluble	Analysis	300.0		1			7152	08/27/21 11:44	CH	XEN MID

Lab Sample ID: 880-5500-4 Client Sample ID: SW-44 Date Collected: 08/24/21 11:00

Date Received: 08/26/21 13:49

 	 			-
	Matr	ix:	Soli	d

Batch Batch Dil Initial Final Batch Prepared Method Prep Type Amount Number Type Run Factor Amount or Analyzed Analyst Lab 7142 Soluble Leach DI Leach 5.05 g 50 mL 08/26/21 15:21 SC XEN MID 7152 Soluble Analysis 300.0 1 08/27/21 11:49 СН XEN MID

Client Sample ID: SW-45 Lab Sample ID: 880-5500-5 Date Collected: 08/24/21 11:15

Date Received: 08/26/21 13:49

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	7142	08/26/21 15:21	SC	XEN MID
Soluble	Analysis	300.0		1			7152	08/27/21 11:54	CH	XEN MID

Client Sample ID: FL-29 @ 1.5' Lab Sample ID: 880-5500-6

Date Collected: 08/24/21 11:30 Date Received: 08/26/21 13:49

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	7142	08/26/21 15:21	SC	XEN MID
Soluble	Analysis	300.0		1			7152	08/27/21 12:10	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: TRC Solutions, Inc. Job ID: 880-5500-1 Project/Site: COG & Gold Coast SDG: 438371

Laboratory: Eurofins Xenco, Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-22

Method Summary

Client: TRC Solutions, Inc. Project/Site: COG & Gold Coast Job ID: 880-5500-1

SDG: 438371

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Midland

Released to Imaging: 3/30/2022 11:15:24 AM

Sample Summary

Client: TRC Solutions, Inc. Project/Site: COG & Gold Coast Job ID: 880-5500-1

SDG: 438371

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-5500-1	FL- 28 @ 4.5'	Solid	08/23/21 12:30	08/26/21 13:49	4.5'
880-5500-2	SW-42	Solid	08/24/21 10:30	08/26/21 13:49	4.5'
880-5500-3	SW-43	Solid	08/24/21 10:45	08/26/21 13:49	4.5'
880-5500-4	SW-44	Solid	08/24/21 11:00	08/26/21 13:49	4.5'
880-5500-5	SW-45	Solid	08/24/21 11:15	08/26/21 13:49	4.5'
880-5500-6	FL-29 @ 1.5'	Solid	08/24/21 11:30	08/26/21 13:49	4.5'

Project Manager: BORATORIES SAM.

Company Name:

720

Company Name: Bill to: (if different)

Chain of Custody

Phoenix,AZ (480) 355-0900 Atlanta GA (770) 449-8800 Tampa FL (813) 620-2000 West Paln Midland TX (432) 704-5440 EL Paso,TX (915) 585-3443 Lubbock,TX (806) 794-1296 Cras Houston TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio TX (210)

880-5500 Chain of Custody

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Program. UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐ **Work Order Comments**

		Relinquished by: (Signature)	Notice Signature of this document and relinquist of service. Xenco will be liable only for the cost of Xenco. A minimum charge of \$75.00 will be ap	Circle Method(s) and Metal(s) to be analyzed			FL- 67 8 1.3	311-42	144-MS	SM-48	SW-42	Fi-28045'	Sample Identification	Sample Custody Seals: Yes No	Cooler Custody Seals: Yes No	Received Intact: Yes	Temperature (°C): 3,4	SAMPLE RECEIPT Ten	PO#:	Sampler's Name:	Project Location	Project Number: 43537(Project Name: Coq, Cq	Phone: 452 250,4465	City, State ZIP: MIOASP	Address: 10 ASTA DRIVE
	MBY	Received by: (Signature)	hment of samples constitutes a valid purchase order f of samples and shall not assume any responsibility to pplied to each project and a charge of \$5 for each sam	to be analyzed TCLP / SPLP 6010	-		2 4 1/30		1/00	5 1045	1030	5 23Ang 264 /230 4.	Matrix Date Time De	o (N/A) Total Containers: ↓	o (VA) Correction Factor: †C.	No	3. લ Ther	Yes (No	Quote #:	Due Date	Rush Z:	Routine	COT. GOLD CAST Turn Around	Email:	9725	Daw= #135E
o 4	8/26/21/349/2	Date/Time Relinquished by:	voltice Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	M Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu III O 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo				, ,	- (45' 1 1	Numbe		co (V	ntair		No			742	Code		DARID, IKE, RUSKELL	City, State ZIP:	Address:
		by: (Signature) Received by: (Signature)	ssigns standard terms and conditions ue to circumstances beyond the control cod unless previously negotiated	Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Ni Se Ag Tl U												Zn	2 -		H2	T			ANALYSIS REQUEST	Deliverables EDD ADaPT	Reporting Level II Level III PST/UST TRRP Level IV	State of Project.
		Date/Time		1 Sr Tl Sn U V Zn 1631/245.1/7470/7471 Hg									Sample Comments	IAT starts the day recevied by the lab if received by 4 00pm		Zn Acetate+ NaOH Zn			H2S04 H2	HNO3 HN		MeOH Me	Preservative Codes	Other)T □TRRP □ Level IV □	- abeliand

Revised Date 022619 Rev 2019.1

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-5500-1

SDG Number: 438371

Login Number: 5500 List Source: Eurofins Xenco, Midland

List Number: 1

Creator: Phillips, Kerianna

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
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?	True	
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	
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	

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	2 1180 100 0) 11
Incident ID	NRM1927331412
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the following	g items must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29	P.11 NMAC
Photographs of the remediated site prior to backfill or photomust be notified 2 days prior to liner inspection)	os of the liner integrity if applicable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note: appropriate OI	DC District office must be notified 2 days prior to final sampling)
☐ Description of remediation activities	
and regulations all operators are required to report and/or file cert may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rehuman health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regulations.	olete to the best of my knowledge and understand that pursuant to OCD rules ain release notifications and perform corrective actions for releases which of a C-141 report by the OCD does not relieve the operator of liability remediate contamination that pose a threat to groundwater, surface water, of a C-141 report does not relieve the operator of responsibility for alations. The responsible party acknowledges they must substantially conditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete.
	Title:
Signature:	Date:10/28/2021
email:Ike.Tavarez@conocophillips.com	Telephone:
OCD Only	
Received by:	Date:
	ty of liability should their operations have failed to adequately investigate and we water, human health, or the environment nor does not relieve the responsible d/or regulations.
Closure Approved by: Robert Hamlet	Date:
Printed Name:	Title:

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

CONDITIONS

Action 58417

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	58417
Γ.	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	The closure report is approved. For future reference, stockpiled soils need to be sampled every 200 cubic ft before material is used as backfill material. The State of New Mexico requires that all samples be tested for all components in Table 1 in the spill rule, not just surface samples. If this is not completed in the future, the report will be denied.	3/30/2022