



Remediation Summary and Site Closure Request

October 8, 2021

A handwritten signature in brown ink, reading "Jennifer Stoffel", written over a horizontal blue line.

Prepared by
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Federal SWD #001

NMOCD Reference Number:
nRM1927331412

Prepared For:

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Reviewed and Approved by:
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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 one-thousand (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-9 @ 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-9, 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) five-point 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											
Sample ID	Date	Depth (ft bgs)	Proposed Soil Status	SW 846 8021B		SW 846 8015M Ext.					E 300
				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 Delineation Sample 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 Closure Criteria				10	50	-	-	1,000	-	2,500	600 (0-4' bgs) 10,000 (>4' bgs)

Proposed Soil Status - Impacted - Excavate and Transport to Disposal

Proposed Soil Status - Non-impacted Overburden - Excavate and Reuse

TABLE 1 Summary of Sampling Analytical Results (Delineation Samples) Concentrations of BTEX, TPH, and/or Chloride in Soil											
Sample ID	Date	Depth (ft bgs)	Proposed Soil Status	SW 846 8021B		SW 846 8015M Ext.					E 300
				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 Delineation Sample Locations (continued)											
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 Closure Criteria				10	50	-	-	1,000	-	2,500	600 (0-4' bgs) 10,000 (>4' bgs)

Proposed Soil Status - Impacted - Excavate and Transport to Disposal


Proposed Soil Status - Non-impacted Overburden - Excavate and Reuse


TABLE 1 Summary of Sampling Analytical Results (Delineation Samples) Concentrations of BTEX, TPH, and/or Chloride in Soil											
Sample ID	Date	Depth (ft bgs)	Proposed Soil Status	SW 846 8021B		SW 846 8015M Ext.					E 300
				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 Delineation Sample Locations (continued)											
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)

Proposed Soil Status - Impacted - Excavate and Transport to Disposal

Proposed Soil Status - Non-impacted Overburden - Excavate and Reuse

TABLE 1 Summary of Sampling Analytical Results (Delineation Samples) Concentrations of BTEX, TPH, and/or Chloride in Soil											
Sample ID	Date	Depth (ft bgs)	Proposed Soil Status	SW 846 8021B		SW 846 8015M Ext.					E 300
				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 Delineation 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)

 Proposed Soil Status - Impacted - Excavate and Transport to Disposal

 Proposed Soil Status - Non-impacted Overburden - Excavate and Reuse

**TABLE 2. SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
CONCHO OIL & GAS
GOLD COAST 26 FEDERAL SWD #001**

Sample ID	Date	Depth	Soil Status	E 300
				Chloride (mg/kg)
All results in milligrams per 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**

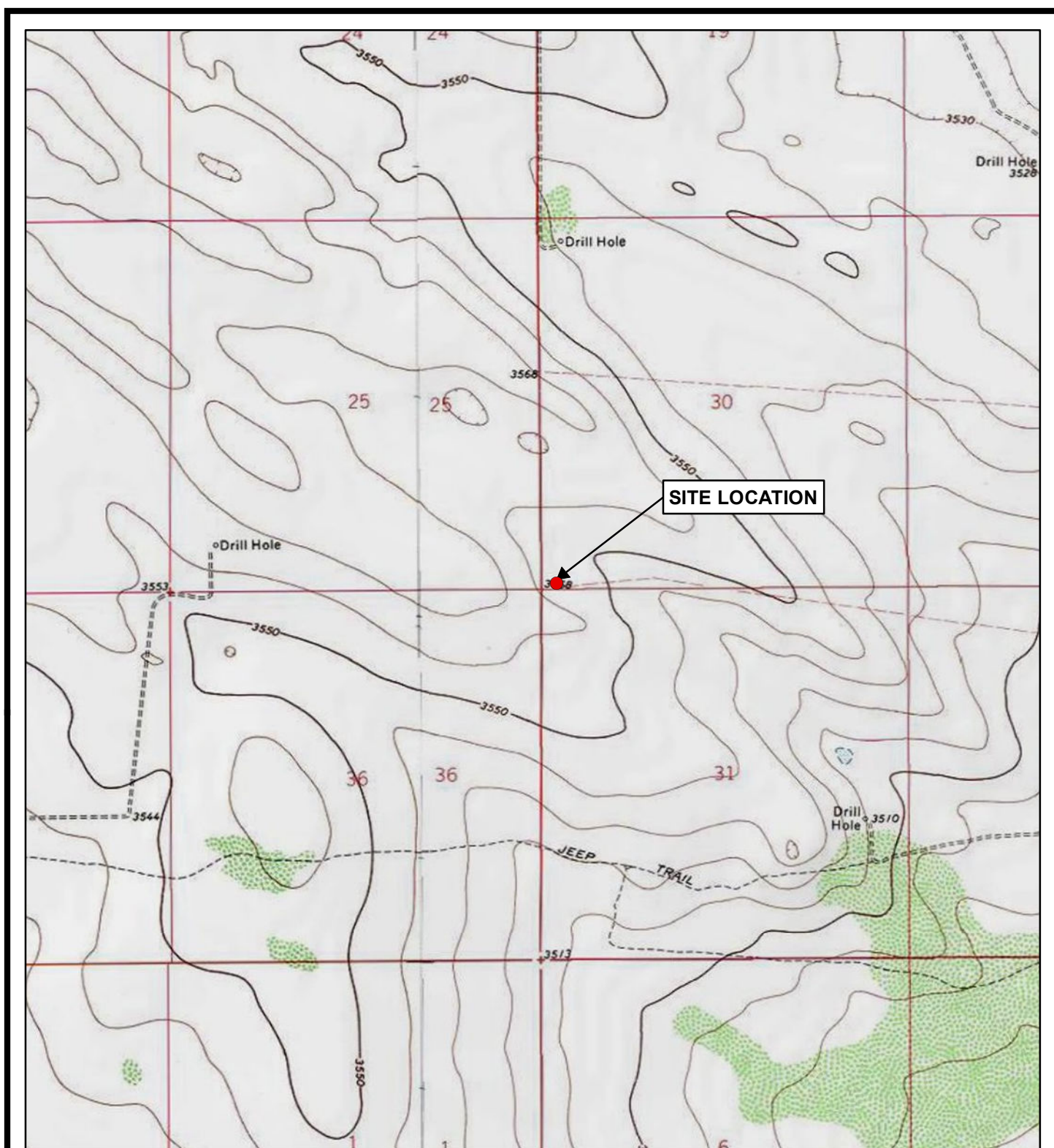
Sample ID	Date	Depth	Soil Status	E 300
				Chloride (mg/kg)
All results in milligrams per kilogram (mg/kg)				
SW-6	7/22/21	--	Excavated	677
SW-6A	7/27/21	--	In-Situ	5.86
SW-7	7/27/21	--	In-Situ	13.7
SW-8	7/26/21	--	In-Situ	26.8
SW-9	7/27/21	-	In-Situ	16.7
SW-10	7/26/21	-	In-Situ	18.7
SW-11	7/27/21	-	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

Sample ID	Date	Depth	Soil Status	E 300
				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
Overburden				
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
NMOCD Closure Criteria				600 mg/kg (<4 ft. bgs) 10,000 mg/kg (> 4 ft. bgs)



Figures



BASE MAP FROM USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE SERIES - BELL LAKE, NEW MEXICO (32103-B5).



1" = 2,000'
1:24,000

0

4 000

4 000



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

TRC - GIS

PROJECT:

**COG OPERATING, LLC
GOLD COAST 26 FEDERAL SWD #1
LEA COUNTY, NEW MEXICO**

TITLE:

TOPOGRAPHIC MAP

DRAWN BY: S. RAY

CHECKED BY: JES

APPROVED BY: JES

DATE: SEPTEMBER 2021

PROJ. NO.:	438371
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FILE: 438371_1.mxd

FIGURE 1

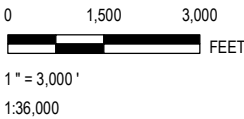
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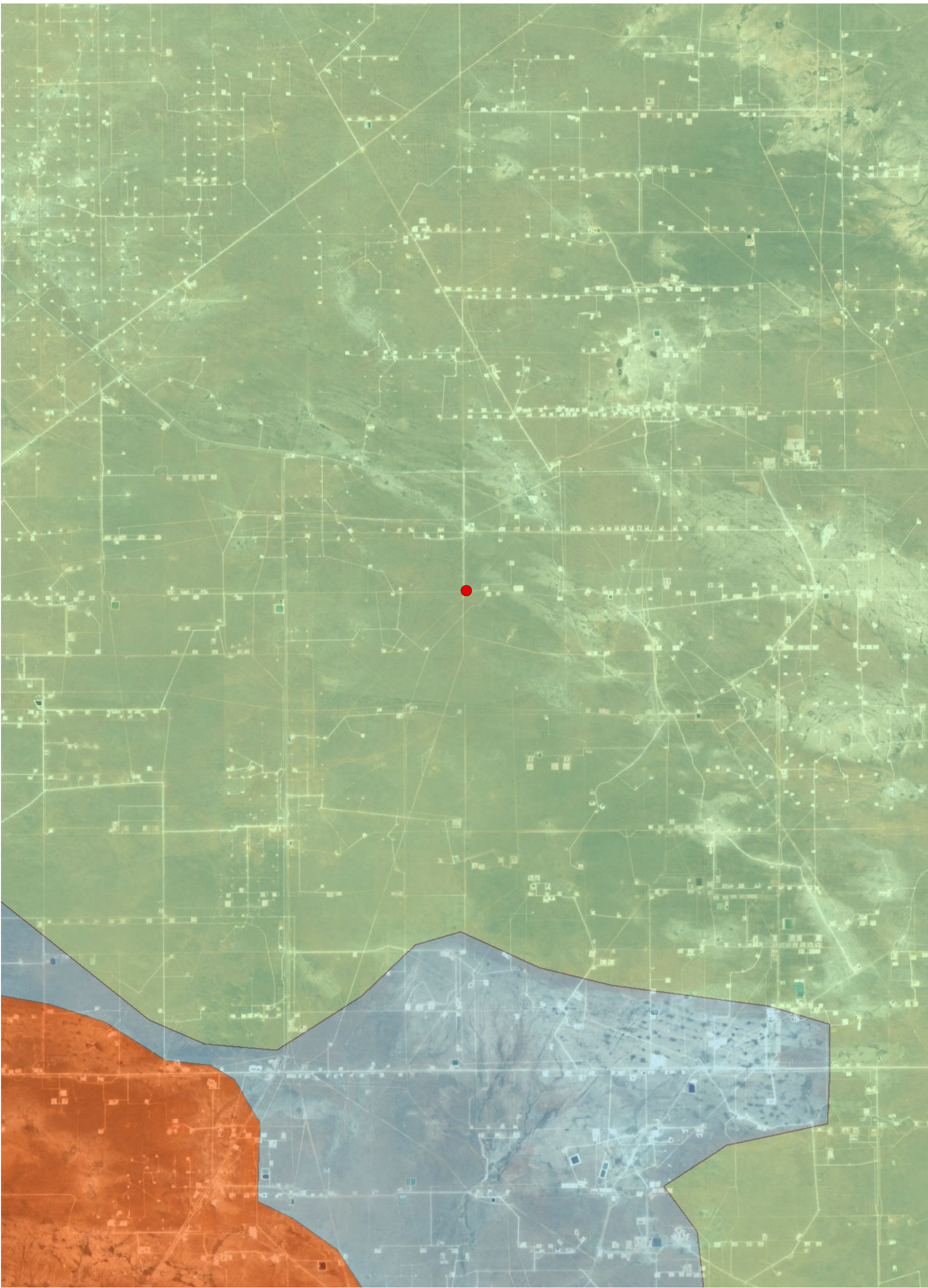
LEGEND

- Site Location
- Half Mile Buffer
- Water Well

SOURCE: WETLANDS - NATIONAL WETLANDS INVENTORY; AERIAL IMAGERY - GOOGLE AND GOOGLE EARTH PRO.



<div> 505 East Huntland Drive Suite #250 Austin, TX 78752 Phone: 512.329.6080</div>	PROJECT:	COG OPERATING, LLC GOLD COAST 26 FEDERAL SWD #001 LEA COUNTY, NEW MEXICO	DRAWN BY:	S. RAY
	TITLE:	AERIAL MAP	CHECKED BY:	JES
			APPROVED BY:	JES
			DATE:	SEPTEMBER 2021
			PROJ. NO.:	438371
			FILE:	438371_2.mxd
			FIGURE 2	



LEGEND

Low Karst Potential

Medium Karst Potential

High Karst Potential

Site Location

SOURCE: KARST DATA FROM NEW MEXICO BUREAU OF LAND MANAGEMENT; AERIAL IMAGERY - GOOGLE AND GOOGLE EARTH PRO.


012

MILES

1" = 2 MILES

1:100,000

N

<div></div> <div>505 East Huntland Drive Suite #250 Austin, TX 78752 Phone: 512.329.6080</div>	PROJECT: COG OPERATING, LLC GOLD COAST 26 FEDERAL SWD #001 LEA COUNTY, NEW MEXICO		DRAWN BY: S. RAY
	TITLE: KARST POTENTIAL MAP		CHECKED BY: JES
			APPROVED BY: JES
			DATE: SEPTEMBER 2021
			PROJ. NO.: 438371
			FILE: 438371_3.mxd
			FIGURE 3

TRC - GIS

Coordinate System: NAD 1983 2011 StatePlane New Mexico East FIPS 3001 Ft US (Foot US)
Map Rotation: 0

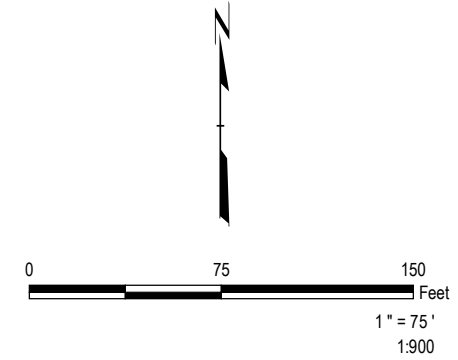
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Path: S:\1-PROJECTS\ConchoResources\438371_GoldCoast\438371_4.mxd



LEGEND

- Soil Sampling Location
- Groundwater Determination Boring
- Release Area
- Proposed Excavation
- Temporary Lay-Flat Line

SOURCE: AERIAL IMAGERY - GOOGLE AND GOOGLE EARTH PRO.

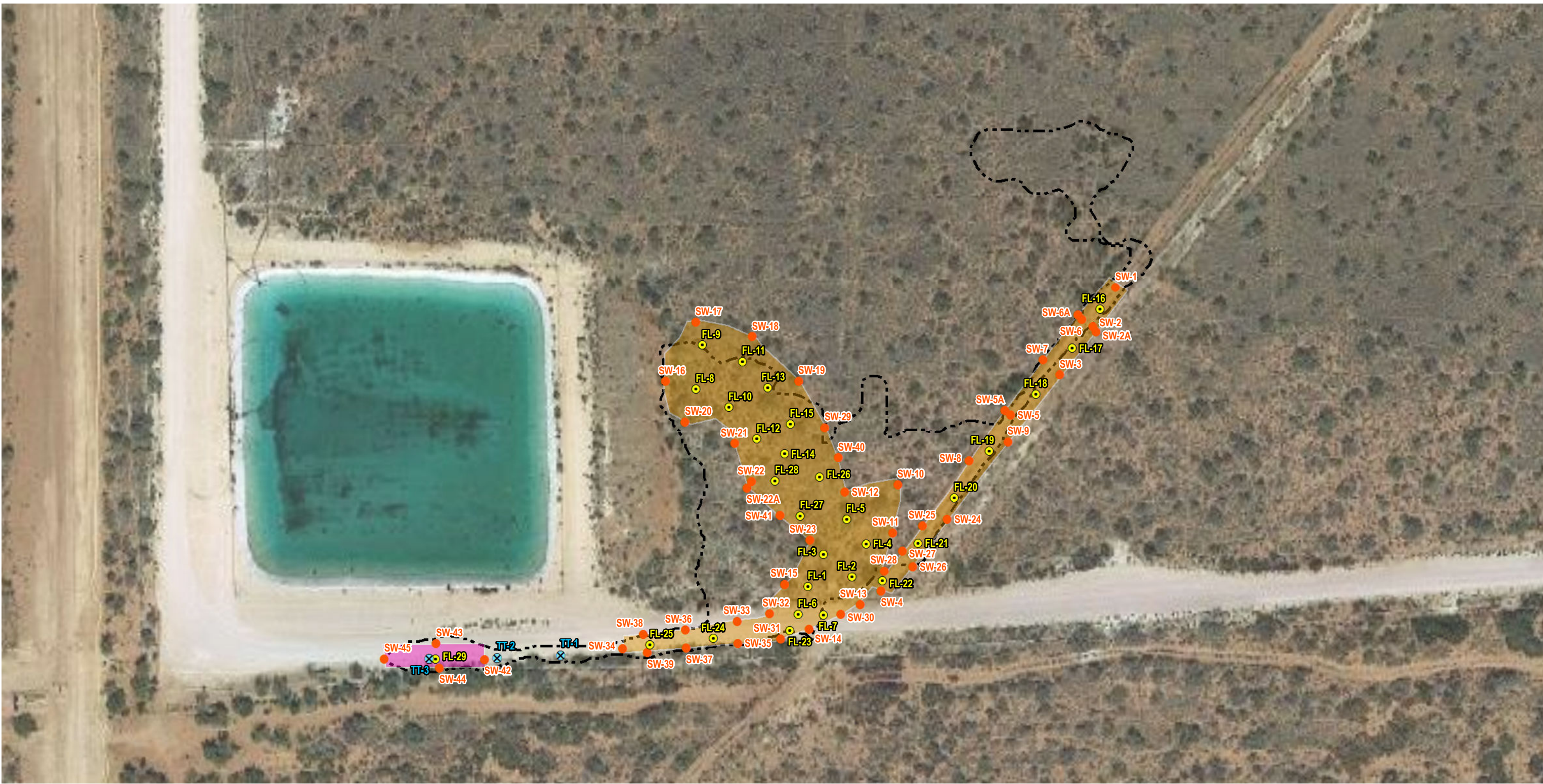


PROJECT:		COG OPERATING, LLC GOLD COAST 26 FEDERAL SWD #001 LEA COUNTY, NEW MEXICO	
TITLE: SAMPLE LOCATION AND PROPOSED EXCAVATION MAP			
DRAWN BY:	S. RAY	PROJ NO.:	438371
CHECKED BY:	JES	FIGURE 4	
APPROVED BY:	JES		
DATE:	SEPTEMBER 2021		
		505 East Huntland Drive, Suite 250 Austin, TX 78752 Phone: 512.329.6080 www.trcsolutions.com	
		FILE NO.: 438371_4.mxd	

TRC - GIS

Coordinate System: NAD 1983 2011 StatePlane New Mexico East FIPS 3001 Ft US (Foot US)
Map Rotation: 0

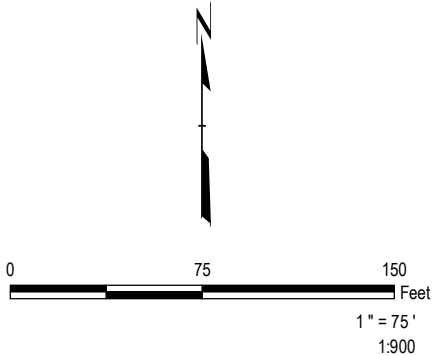
Plot Date: 9/17/2021 13:06:56 PM by SRAY -- LAYOUT: ANSI B(11"x17")
Path: S:\1-PROJECTS\IconchoResources\438371_GoldCoast\438371_5.mxd



LEGEND

- Floor Sample
- Sidewall Sample
- Test Trench
- 4.5' Excavation Area
- 1.5' Excavation Area
- Release Area

SOURCE: AERIAL IMAGERY - GOOGLE AND GOOGLE EARTH PRO.



PROJECT:	
COG OPERATING, LLC GOLD COAST 26 FEDERAL SWD #001 LEA COUNTY, NEW MEXICO	
TITLE:	
SITE AND CONFIRMATION SAMPLE LOCATION MAP	
DRAWN BY:	S. RAY
PROJ NO.:	438371
CHECKED BY:	JES
APPROVED BY:	JES
DATE:	SEPTEMBER 2021
FIGURE 5	
505 East Huntland Drive, Suite 250 Austin, TX 78752 Phone: 512.329.6080 www.trcsolutions.com	
FILE NO.:	
438371_5.mxd	



Appendix A: Photographic Documentation

COG- Gold Coast Federal SWD #001

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.



COG- Gold Coast Federal SWD #001

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.



COG- Gold Coast Federal SWD #001

Date: 10/8/2021

Photographic Documentation

Photograph No. 5

Date:

7/26/2021

Direction:

Southwest

Description:

View of the excavation area in the EOG Right-of-Way (ROW).



Photograph No. 6

Date:

6/24/2020

Direction:

North

Description:

View of excavation area in the EOG ROW.



COG- Gold Coast Federal SWD #001

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.



COG- Gold Coast Federal SWD #001

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.**



COG- Gold Coast Federal SWD #001

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.**



COG- Gold Coast Federal SWD #001

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.**



COG- Gold Coast Federal SWD #001

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



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.



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, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(in feet)

POD																					
POD Number	Sub-Code	basin	County	Source	q q q				X	Y	Distance	Start Date	Log File			Depth Well	Depth Water	Driller	License Number		
					6416	4	Sec	Tws					Rng	Date	Date					Date	
C 03565 POD3	CUB	LE			3	4	08	24S	33E	632763	3566546		5765	09/27/2012	10/21/2012	12/11/2012		1533	STEWART, PHILLIP D. (LD)	331	
C 01932	C	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	C	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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input type="checkbox"/> The source of the release has been stopped.	
<input type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: _____	Title: _____
Signature: <u>Delann Opreant</u>	Date: _____
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: _____	Date: _____

***** LIQUID SPILLS - VOLUME CALCULATIONS *****

Location of spill: Gold Coast 26 Federal SWD #001

Date of Spill: 8-Sep-2019

If the leak/spill is associated with production equipment, i.e. - wellhead, stuffing box, flowline, tank battery, production vessel, transfer pump, or storage tank place an "X" here: ☒

Input Data:

If spill volumes from measurement, i.e. metering, tank volumes, etc. are known enter the volumes here: OIL: 0.0 BBL WATER: 0.0 BBL

If "known" spill volumes are given, input data for the following "Area Calculations" is optional. The above will override the calculated volumes.

Total Area Calculations							Standing Liquid Calculations								
Total Surface Area		width	length	wet soil			Standing Liquid Area		width	length	liquid depth				
				depth	oil (%)	oil (%)					liquid depth	oil (%)			
Total Area Calculations	Rectangle Area #1	48 ft	122 ft	X	7.50 in	0%	Standing Liquid Calculations	Rectangle Area #1	0 ft	X	0 ft	X	0 in	0%	
	Rectangle Area #2	12 ft	X	180 ft	X	1 in		0%	Rectangle Area #2	0 ft	X	0 ft	X	0 in	0%
	Rectangle Area #3	159 ft	X	215 ft	X	7 in		0%	Rectangle Area #3	0 ft	X	0 ft	X	0 in	0%
	Rectangle Area #4	15 ft	X	260 ft	X	1 in		0%	Rectangle Area #4	0 ft	X	0 ft	X	0 in	0%
	Rectangle Area #5	0 ft	X	0 ft	X	0 in		0%	Rectangle Area #5	0 ft	X	0 ft	X	0 in	0%
	Rectangle Area #6	0 ft	X	0 ft	X	0 in		0%	Rectangle Area #6	0 ft	X	0 ft	X	0 in	0%
	Rectangle Area #7	0 ft	X	0 ft	X	0 in		0%	Rectangle Area #7	0 ft	X	0 ft	X	0 in	0%
	Rectangle Area #8	0 ft	X	0 ft	X	0 in		0%	Rectangle Area #8	0 ft	X	0 ft	X	0 in	0%

okay

production system leak - DAILY PRODUCTION DATA REQUIRED

Average Daily Production: Oil 0 BBL Water 0 BBL 0 Gas (MCFD)

Total Hydrocarbon Content in gas: 0% (percentage)

Did leak occur before the separator?: ☒ YES ☒ N/A (place an "X")

H2S Content in Produced Gas: 0 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 following when the spill wets the grains of the soil.

* Sand = 0.08 gallon (gal.) liquid per gal. volume of soil.

* Gravelly (caliche) loam = 0.14 gal. liquid per gal. volume of soil.

* Sandy clay loam soil = 0.14 gal liquid per gal. volume of soil.

* Clay loam = 0.16 gal. liquid per gal. volume of soil.

Use the following when the liquid completely fills the pore space of the soil:

Occurs when the spill soaked soil is contained by barriers, natural (or not).

* Clay loam = 0.20 gal. liquid per gal. volume of soil.

* Gravelly (caliche) loam = 0.25 gal. liquid per gal. volume of soil.

* Sandy loam = 0.5 gal. liquid per gal. volume of soil.

Total Solid/Liquid Volume: 45,994 sq. ft. 24,044 cu. ft. cu. ft.	Total Free Liquid Volume: sq. ft. cu. ft. cu. ft.
Estimated Volumes Spilled	Estimated Production Volumes Lost
Liquid in Soil: 599.5 BBL H2O 0.0 BBL OIL	Estimated Production Spilled: 0.0 BBL H2O 0.0 BBL OIL
Free Liquid: 0.0 BBL	
Totals: 599.5 BBL 0.0 BBL	
Total Liquid Spill Liquid: 599.5 BBL 0.00 BBL	Estimated Surface Damage
	Surface Area: 45,994 sq. ft.
	Surface Area: 1.0559 acre
Recovered Volumes	Estimated Weights, and Volumes
Estimated oil recovered: BBL check - okay	Saturated Soil = 2,692,877 lbs 24,044 cu. ft. 891 cu. yds.
Estimated water recovered: BBL check - okay	Total Liquid = 599 BBL 25,178 gallon 209,484 lbs

Air Emission from flowline leaks:

Volume of oil spill: - BBL
 Separator gas calculated: - MCF
 Separator gas released: - MCF
 Gas released from oil: - lb
 H2S released: - lb
 Total HC gas released: - lb
 Total HC gas released: - MCF

Air Emission of Reporting Requirements:

New Mexico Texas
 HC gas release reportable? NO NO
 H2S release reportable? NO NO

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 photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: _____ Title: _____

Signature:  _____ Date: _____ 10/28/2021 _____

email: _____ Ike.Tavarez@conocophillips.com _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



Appendix D: Test Boring Soil Boring Log




LOG OF SOIL BORING

PROJECT NAME: Gold Coast 26 Federal SWD #1		SOIL BORING ID: 55' Borehole	
PROJECT NUMBER:		LOCATION:	SHEET 1 OF 3
LOGGED BY: T. Babu		SURFACE ELEV.:	
PROJECT LOCATION:		N: 32.1824100 E: 103.6182330	DATE STARTED: 06/24/20
DRILLED BY: Scarborough Drilling	DRILLER NAME: Lane Scarborough		DATE COMPLETED: 06/24/20

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	
					2.0		
					2.5		
					4.0		
					5.0		
					6.0	hard caliche layer, tanish white in color, angular to sub-angular in shape, moderately to poorly sorted, compacted, silt to gravel sized	
					7.0		
					7.5		
					8.0		
					9.0		
					10.0		
					11.0		
					12.0		
					12.5		
					13.0		
					14.0		
					15.0		
					16.0		
					17.0		
					17.5		
					18.0		
					19.0		
					20.0		

DRILLING METHOD
DRILL RIG
BORING DIAMETER

WATER LEVEL OBSERVATIONS			
FIRST OCCURRENCE:			
DATE	TIME	DEPTH TO WATER	DEPTH TO BOTTOM


 06/24/20
 SIGNED _____ DATE _____

CHECKED _____ DATE _____

REVISED 06/2011



LOG OF SOIL BORING

PROJECT NAME: <u>Gold Coast 26 Federal SWD#1</u>		SOIL BORING ID: <u>55' Borehole</u>	
PROJECT NUMBER:		LOCATION:	SHEET <u>2</u> OF <u>3</u>
LOGGED BY: <u>T. Babu</u>			SURFACE ELEV.:
PROJECT LOCATION:		N: <u>32.1824100</u> E: <u>103.6182330</u>	DATE STARTED: <u>06/24/20</u>
DRILLED BY: <u>Scarborough Drilling</u>		DRILLER NAME: <u>Lane Scarborough</u>	DATE COMPLETED: <u>06/24/20</u>

NO.	TYPE	%	BLOWS	PID	DEPTH	VISUAL CLASSIFICATION AND OBSERVATIONS	COMMENT
					21.0	tanish brown in color with hues of pink, well sorted silty sand, loosely packed, no moisture, fine-grained	
					22.0		
					23.0		
					24.0		
					25.0		
					26.0		
					27.0		
					28.0		
					29.0		
					30.0		
					31.0		
					32.0		
					33.0		
					34.0		
					35.0		
					36.0		
					37.0		
					38.0		
					39.0		
					40.0		

DRILLING METHOD
DRILL RIG
BORING DIAMETER

WATER LEVEL OBSERVATIONS			
FIRST OCCURRENCE:			
DATE	TIME	DEPTH TO WATER	DEPTH TO BOTTOM

[Signature] 06/24/20
SIGNED DATE

CHECKED DATE




LOG OF SOIL BORING

PROJECT NAME: Gold Coast 26 Federal SUD #1		SOIL BORING ID: 55' Borehole	
PROJECT NUMBER:		LOCATION:	SHEET 3 OF 3
LOGGED BY: T. Babu			SURFACE ELEV.:
PROJECT LOCATION:		N: 32.1824100 E: 103.6182330	DATE STARTED: 06/24/20
DRILLED BY: Scarborough Drilling	DRILLER NAME: Lane Scarborough		DATE COMPLETED: 06/24/20

NO.	TYPE	%	BLOWS	PID	DEPTH	VISUAL CLASSIFICATION AND OBSERVATIONS	COMMENT
					42	light pinkish to orange brown in color, well sorted, intermixed with clay (dry)-like clumps.	
					2.5	98% loose sand and 2% dry clumps of clay, none to low moisture, fine-grained	
						90% quartz, 8% feldspar, 2% organic matter.	
					44		
					5.0		
					46		
					7.5		
					48		
					50-50.0	↓	
						orangish brown in color, low moisture to no moisture, well sorted loose sand, fine-grained,	
						94% quartz, 4% feldspar, 2% organic matter	
					52		
					12.5		
					54		
					55-50.0	Borehole Terminated	
					56		
					17.5		
					20.0		

DRILLING METHOD
DRILL RIG
BORING DIAMETER

WATER LEVEL OBSERVATIONS			
FIRST OCCURRENCE:			
DATE	TIME	DEPTH TO WATER	DEPTH TO BOTTOM


 SIGNED _____ DATE 06/24/20
 REVISED 06/2011

CHECKED _____ DATE _____



Appendix E: Laboratory Analytical Reports



Xenco

Certificate of Analysis Summary 665688

TRC Solutions, Inc, Midland, TX

Project Name: Gold Coast 26 Federal SWD #1

Project Id:

Date Received in Lab: Fri 06.26.2020 11:03

Contact: Jared Stoffel

Report Date: 07.02.2020 17:39

Project Location:

Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	665688-001	665688-002	665688-003	665688-004	665688-005	665688-006
	<i>Field Id:</i>	E1	E2	E3	E4	E5	W1
	<i>Depth:</i>	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	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	<i>Extracted:</i>	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
	<i>Analyzed:</i>	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
	<i>Units/RL:</i>	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	<i>Extracted:</i>	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
	<i>Analyzed:</i>	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
	<i>Units/RL:</i>	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	<i>Extracted:</i>	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
	<i>Analyzed:</i>	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
	<i>Units/RL:</i>	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

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



Xenco

Certificate of Analysis Summary 665688

TRC Solutions, Inc, Midland, TX

Project Name: Gold Coast 26 Federal SWD #1

Project Id:

Date Received in Lab: Fri 06.26.2020 11:03

Contact: Jared Stoffel

Report Date: 07.02.2020 17:39

Project Location:

Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	665688-007	665688-008	665688-009	665688-010	665688-011	665688-012
	<i>Field Id:</i>	W2	W3	W4	W5	W6	N1
	<i>Depth:</i>	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft	0-1 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	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 12:00
BTEX by EPA 8021B	<i>Extracted:</i>	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
	<i>Analyzed:</i>	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
	<i>Units/RL:</i>	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		<0.00399 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	<i>Extracted:</i>	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	06.30.2020 11:00
	<i>Analyzed:</i>	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	06.30.2020 14:37
	<i>Units/RL:</i>	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	<i>Extracted:</i>	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
	<i>Analyzed:</i>	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
	<i>Units/RL:</i>	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

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



Xenco

Certificate of Analysis Summary 665688

TRC Solutions, Inc, Midland, TX

Project Name: Gold Coast 26 Federal SWD #1

Project Id:

Date Received in Lab: Fri 06.26.2020 11:03

Contact: Jared Stoffel

Report Date: 07.02.2020 17:39

Project Location:

Project Manager: Jessica Kramer

Analysis Requested	Lab Id:	665688-013	665688-014	665688-015	665688-016		
	Field Id:	N2	N3	S1	S2		
	Depth:	0-1 ft	0-1 ft	0-1 ft	0-1 ft		
	Matrix:	SOIL	SOIL	SOIL	SOIL		
	Sampled:	06.25.2020 12:10	06.25.2020 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

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



Xenco

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)



Xenco

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,

A handwritten signature in black ink that reads "Jessica Kramer". The signature is written in a cursive, flowing style.

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 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:

Work Order Number(s): 665688

Report Date: 07.02.2020

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.



Xenco

Certificate of Analytical Results 665688

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: E1
Lab Sample Id: 665688-001

Matrix: Soil
Date Collected: 06.25.2020 10:00

Date Received: 06.26.2020 11:03
Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Tech: CHE

Analyst: CHE

Seq Number: 3130388

Date Prep: 06.30.2020 10:45

Prep Method: E300P

% Moisture:

Basis: Wet Weight

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

Tech: DVM

Analyst: ARM

Seq Number: 3130172

Date Prep: 06.26.2020 16:30

Prep Method: SW8015P

% Moisture:

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
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	



Xenco

Certificate of Analytical Results 665688

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: E1
Lab Sample Id: 665688-001

Matrix: Soil
Date Collected: 06.25.2020 10:00

Date Received: 06.26.2020 11:03
Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 06.29.2020 15:30

Basis: Wet Weight

Seq Number: 3130357

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
4-Bromofluorobenzene	460-00-4	85	%	70-130	06.30.2020 01:25	
1,4-Difluorobenzene	540-36-3	98	%	70-130	06.30.2020 01:25	



Xenco

Certificate of Analytical Results 665688

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: E2
Lab Sample Id: 665688-002

Matrix: Soil
Date Collected: 06.25.2020 10:10

Date Received: 06.26.2020 11:03
Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Tech: CHE

Analyst: CHE

Seq Number: 3130388

Date Prep: 06.30.2020 10:45

Prep Method: E300P

% Moisture:

Basis: Wet Weight

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

Tech: DVM

Analyst: ARM

Seq Number: 3130172

Date Prep: 06.26.2020 16:30

Prep Method: SW8015P

% Moisture:

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
1-Chlorooctane	111-85-3	94	%	70-130	06.26.2020 21:52	
o-Terphenyl	84-15-1	96	%	70-130	06.26.2020 21:52	



Xenco

Certificate of Analytical Results 665688

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: E2
Lab Sample Id: 665688-002

Matrix: Soil
Date Collected: 06.25.2020 10:10

Date Received: 06.26.2020 11:03
Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 06.29.2020 15:30

Basis: Wet Weight

Seq Number: 3130357

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		



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Certificate of Analytical Results 665688

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: E3
Lab Sample Id: 665688-003

Matrix: Soil
Date Collected: 06.25.2020 10:20

Date Received: 06.26.2020 11:03
Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Tech: CHE

Analyst: CHE

Seq Number: 3130388

Date Prep: 06.30.2020 10:45

Prep Method: E300P

% Moisture:

Basis: Wet Weight

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

Tech: DVM

Analyst: ARM

Seq Number: 3130172

Date Prep: 06.26.2020 16:30

Prep Method: SW8015P

% 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	06.26.2020 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
1-Chlorooctane	111-85-3	96	%	70-130	06.26.2020 22:13	
o-Terphenyl	84-15-1	98	%	70-130	06.26.2020 22:13	



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Certificate of Analytical Results 665688

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: E3
Lab Sample Id: 665688-003

Matrix: Soil
Date Collected: 06.25.2020 10:20

Date Received: 06.26.2020 11:03
Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 06.29.2020 15:30

Basis: Wet Weight

Seq Number: 3130357

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	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	



Xenco

Certificate of Analytical Results 665688

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: E4
Lab Sample Id: 665688-004

Matrix: Soil
Date Collected: 06.25.2020 10:30

Date Received: 06.26.2020 11:03
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	95.2	4.99	mg/kg	06.30.2020 13:11		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 06.26.2020 16:30

Basis: Wet Weight

Seq Number: 3130172

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	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
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	



Xenco

Certificate of Analytical Results 665688

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: E4
Lab Sample Id: 665688-004

Matrix: Soil
Date Collected: 06.25.2020 10:30

Date Received: 06.26.2020 11:03
Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 06.30.2020 17:00

Basis: Wet Weight

Seq Number: 3130446

Parameter	Cas Number	Result	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-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	



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Certificate of Analytical Results 665688

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: E5
Lab Sample Id: 665688-005

Matrix: Soil
Date Collected: 06.25.2020 10:40

Date Received: 06.26.2020 11:03
Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Tech: CHE

Analyst: CHE

Seq Number: 3130388

Date Prep: 06.30.2020 10:45

Prep Method: E300P

% Moisture:

Basis: Wet Weight

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

Tech: DVM

Analyst: ARM

Seq Number: 3130172

Date Prep: 06.26.2020 16:30

Prep Method: SW8015P

% Moisture:

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
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	



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Certificate of Analytical Results 665688

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: E5
Lab Sample Id: 665688-005

Matrix: Soil
Date Collected: 06.25.2020 10:40

Date Received: 06.26.2020 11:03
Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 06.30.2020 17:00

Basis: Wet Weight

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		



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Certificate of Analytical Results 665688

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: **W1**
 Lab Sample Id: 665688-006

Matrix: Soil
 Date Collected: 06.25.2020 11:00

Date Received: 06.26.2020 11:03
 Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Tech: CHE

Analyst: CHE

Seq Number: 3130388

Date Prep: 06.30.2020 10:45

Prep Method: E300P

% Moisture:

Basis: Wet Weight

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

Analytical Method: TPH by SW8015 Mod

Tech: DVM

Analyst: ARM

Seq Number: 3130172

Date Prep: 06.26.2020 16:30

Prep Method: SW8015P

% 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	06.26.2020 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
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	



Certificate of Analytical Results 665688

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: **W1**
Lab Sample Id: 665688-006

Matrix: Soil
Date Collected: 06.25.2020 11:00

Date Received: 06.26.2020 11:03
Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 06.30.2020 17:00

Basis: Wet Weight

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 02:31	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		
4-Bromofluorobenzene	460-00-4	96	%	70-130	07.01.2020 02:31		



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Certificate of Analytical Results 665688

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: **W2**
 Lab Sample Id: 665688-007

Matrix: Soil
 Date Collected: 06.25.2020 11:10

Date Received: 06.26.2020 11:03
 Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Tech: CHE

Analyst: CHE

Seq Number: 3130390

Date Prep: 06.30.2020 11:00

Prep Method: E300P

% Moisture:

Basis: Wet Weight

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

Tech: DVM

Analyst: ARM

Seq Number: 3130172

Date Prep: 06.26.2020 16:30

Prep Method: SW8015P

% Moisture:

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
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	



Certificate of Analytical Results 665688

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: **W2**
Lab Sample Id: 665688-007

Matrix: Soil
Date Collected: 06.25.2020 11:10

Date Received: 06.26.2020 11:03
Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 06.30.2020 17:00

Basis: Wet Weight

Seq Number: 3130446

Parameter	Cas Number	Result	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		



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Certificate of Analytical Results 665688

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: **W3**
 Lab Sample Id: 665688-008

Matrix: Soil
 Date Collected: 06.25.2020 11:20

Date Received: 06.26.2020 11:03
 Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Tech: CHE

Analyst: CHE

Seq Number: 3130390

Date Prep: 06.30.2020 11:00

Prep Method: E300P

% Moisture:

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	7.40	5.03	mg/kg	06.30.2020 14:07		1

Analytical Method: TPH by SW8015 Mod

Tech: DVM

Analyst: ARM

Seq Number: 3130172

Date Prep: 06.26.2020 16:30

Prep Method: SW8015P

% Moisture:

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
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	



Certificate of Analytical Results 665688

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: **W3**
Lab Sample Id: 665688-008

Matrix: Soil
Date Collected: 06.25.2020 11:20

Date Received: 06.26.2020 11:03
Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 06.30.2020 17:00

Basis: Wet Weight

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 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-Difluorobenzene	540-36-3	95	%	70-130	07.01.2020 03:11	
4-Bromofluorobenzene	460-00-4	108	%	70-130	07.01.2020 03:11	



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Certificate of Analytical Results 665688

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: **W4**
 Lab Sample Id: 665688-009

Matrix: Soil
 Date Collected: 06.25.2020 11:30

Date Received: 06.26.2020 11:03
 Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Tech: CHE

Analyst: CHE

Seq Number: 3130390

Date Prep: 06.30.2020 11:00

Prep Method: E300P

% Moisture:

Basis: Wet Weight

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

Analytical Method: TPH by SW8015 Mod

Tech: DVM

Analyst: ARM

Seq Number: 3130172

Date Prep: 06.26.2020 16:30

Prep Method: SW8015P

% 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
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	



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Certificate of Analytical Results 665688

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: **W4**
 Lab Sample Id: 665688-009

Matrix: Soil
 Date Collected: 06.25.2020 11:30

Date Received: 06.26.2020 11:03
 Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 06.30.2020 17:00

Basis: Wet Weight

Seq Number: 3130446

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
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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Certificate of Analytical Results 665688

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: **W5**
 Lab Sample Id: 665688-010

Matrix: Soil
 Date Collected: 06.25.2020 11:40

Date Received: 06.26.2020 11:03
 Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Tech: CHE

Analyst: CHE

Seq Number: 3130390

Date Prep: 06.30.2020 11:00

Prep Method: E300P

% Moisture:

Basis: Wet Weight

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

Tech: DVM

Analyst: ARM

Seq Number: 3130172

Date Prep: 06.26.2020 16:30

Prep Method: SW8015P

% 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 00:41	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
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	



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Certificate of Analytical Results 665688

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: **W5**
 Lab Sample Id: 665688-010

Matrix: Soil
 Date Collected: 06.25.2020 11:40

Date Received: 06.26.2020 11:03
 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

Seq Number: 3130459

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	
1,4-Difluorobenzene	540-36-3	113	%	70-130	06.30.2020 19:18	



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Certificate of Analytical Results 665688

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: **W6**
 Lab Sample Id: 665688-011

Matrix: Soil
 Date Collected: 06.25.2020 11:50

Date Received: 06.26.2020 11:03
 Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Tech: CHE

Analyst: CHE

Seq Number: 3130390

Date Prep: 06.30.2020 11:00

Prep Method: E300P

% Moisture:

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	135	4.96	mg/kg	06.30.2020 14:22		1

Analytical Method: TPH by SW8015 Mod

Tech: DVM

Analyst: ARM

Seq Number: 3130172

Date Prep: 06.26.2020 16:30

Prep Method: SW8015P

% Moisture:

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 01:24	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	
o-Terphenyl	84-15-1	95	%	70-130	06.27.2020 01:24	



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Certificate of Analytical Results 665688

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: **W6**
 Lab Sample Id: 665688-011

Matrix: Soil
 Date Collected: 06.25.2020 11:50

Date Received: 06.26.2020 11:03
 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

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 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-Difluorobenzene	540-36-3	105	%	70-130	06.30.2020 19:39	
4-Bromofluorobenzene	460-00-4	98	%	70-130	06.30.2020 19:39	



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Certificate of Analytical Results 665688

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: N1
Lab Sample Id: 665688-012

Matrix: Soil
Date Collected: 06.25.2020 12:00

Date Received: 06.26.2020 11:03
Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Tech: CHE

Analyst: CHE

Seq Number: 3130390

Date Prep: 06.30.2020 11:00

Prep Method: E300P

% Moisture:

Basis: Wet Weight

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

Analytical Method: TPH by SW8015 Mod

Tech: DVM

Analyst: ARM

Seq Number: 3130172

Date Prep: 06.26.2020 16:30

Prep Method: SW8015P

% Moisture:

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
1-Chlorooctane	111-85-3	97	%	70-130	06.27.2020 01:45	
o-Terphenyl	84-15-1	100	%	70-130	06.27.2020 01:45	



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Certificate of Analytical Results 665688

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: N1
Lab Sample Id: 665688-012

Matrix: Soil
Date Collected: 06.25.2020 12:00

Date Received: 06.26.2020 11:03
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

Seq Number: 3130459

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	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
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		



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Certificate of Analytical Results 665688

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: N2
Lab Sample Id: 665688-013

Matrix: Soil
Date Collected: 06.25.2020 12:10

Date Received: 06.26.2020 11:03
Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Tech: CHE

Analyst: CHE

Seq Number: 3130390

Date Prep: 06.30.2020 11:00

Prep Method: E300P

% Moisture:

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

Tech: DVM

Analyst: ARM

Seq Number: 3130172

Date Prep: 06.26.2020 16:30

Prep Method: SW8015P

% 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 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
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	



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Certificate of Analytical Results 665688

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: N2
Lab Sample Id: 665688-013

Matrix: Soil
Date Collected: 06.25.2020 12:10

Date Received: 06.26.2020 11:03
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

Seq Number: 3130459

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	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		



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Certificate of Analytical Results 665688

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: N3
Lab Sample Id: 665688-014

Matrix: Soil
Date Collected: 06.25.2020 12:20

Date Received: 06.26.2020 11:03
Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Tech: CHE

Analyst: CHE

Seq Number: 3130390

Date Prep: 06.30.2020 11:00

Prep Method: E300P

% Moisture:

Basis: Wet Weight

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

Analytical Method: TPH by SW8015 Mod

Tech: DVM

Analyst: ARM

Seq Number: 3130172

Date Prep: 06.26.2020 16:30

Prep Method: SW8015P

% Moisture:

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 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
1-Chlorooctane	111-85-3	96	%	70-130	06.27.2020 02:28	
o-Terphenyl	84-15-1	100	%	70-130	06.27.2020 02:28	



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Certificate of Analytical Results 665688

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: N3
Lab Sample Id: 665688-014

Matrix: Soil
Date Collected: 06.25.2020 12:20

Date Received: 06.26.2020 11:03
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

Seq Number: 3130459

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		
4-Bromofluorobenzene	460-00-4	96	%	70-130	06.30.2020 20:41		



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Certificate of Analytical Results 665688

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: S1
Lab Sample Id: 665688-015

Matrix: Soil
Date Collected: 06.25.2020 12:40

Date Received: 06.26.2020 11:03
Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Tech: CHE

Analyst: CHE

Seq Number: 3130390

Date Prep: 06.30.2020 11:00

Prep Method: E300P

% Moisture:

Basis: Wet Weight

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

Tech: DVM

Analyst: ARM

Seq Number: 3130172

Date Prep: 06.26.2020 16:30

Prep Method: SW8015P

% 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 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
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	



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Certificate of Analytical Results 665688

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: S1
Lab Sample Id: 665688-015

Matrix: Soil
Date Collected: 06.25.2020 12:40

Date Received: 06.26.2020 11:03
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

Seq Number: 3130459

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	



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Certificate of Analytical Results 665688

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: S2
Lab Sample Id: 665688-016

Matrix: Soil
Date Collected: 06.25.2020 12:50

Date Received: 06.26.2020 11:03
Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Tech: CHE

Analyst: CHE

Seq Number: 3130390

Date Prep: 06.30.2020 11:00

Prep Method: E300P

% Moisture:

Basis: Wet Weight

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

Analytical Method: TPH by SW8015 Mod

Tech: DVM

Analyst: ARM

Seq Number: 3130172

Date Prep: 06.26.2020 16:30

Prep Method: SW8015P

% Moisture:

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
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	



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Certificate of Analytical Results 665688

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: S2
Lab Sample Id: 665688-016

Matrix: Soil
Date Collected: 06.25.2020 12:50

Date Received: 06.26.2020 11:03
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

Seq Number: 3130459

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	
4-Bromofluorobenzene	460-00-4	100	%	70-130	06.30.2020 21:22	



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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.

** Surrogate recovered outside laboratory control limit.

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

TRC Solutions, Inc
Gold Coast 26 Federal SWD #1

Analytical Method: Chloride by EPA 300

Seq Number: 3130388

MB Sample Id: 7706452-1-BLK

Matrix: Solid

LCS Sample Id: 7706452-1-BKS

Prep Method: E300P

Date Prep: 06.30.2020

LCSD Sample Id: 7706452-1-BSD

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

Analytical Method: Chloride by EPA 300

Seq Number: 3130390

MB Sample Id: 7706453-1-BLK

Matrix: Solid

LCS Sample Id: 7706453-1-BKS

Prep Method: E300P

Date Prep: 06.30.2020

LCSD Sample Id: 7706453-1-BSD

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

Analytical Method: Chloride by EPA 300

Seq Number: 3130388

Parent Sample Id: 665645-001

Matrix: Soil

MS Sample Id: 665645-001 S

Prep Method: E300P

Date Prep: 06.30.2020

MSD Sample Id: 665645-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	23.9	248	262	96	272	100	90-110	4	20	mg/kg	06.30.2020 11:10	

Analytical Method: Chloride by EPA 300

Seq Number: 3130388

Parent Sample Id: 665648-007

Matrix: Soil

MS Sample Id: 665648-007 S

Prep Method: E300P

Date Prep: 06.30.2020

MSD Sample Id: 665648-007 SD

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

Analytical Method: Chloride by EPA 300

Seq Number: 3130390

Parent Sample Id: 665688-007

Matrix: Soil

MS Sample Id: 665688-007 S

Prep Method: E300P

Date Prep: 06.30.2020

MSD Sample Id: 665688-007 SD

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

Analytical Method: Chloride by EPA 300

Seq Number: 3130390

Parent Sample Id: 665689-001

Matrix: Soil

MS Sample Id: 665689-001 S

Prep Method: E300P

Date Prep: 06.30.2020

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	Flag
Chloride	40.6	249	309	108	314	110	90-110	2	20	mg/kg	06.30.2020 15:07	

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

TRC Solutions, Inc
Gold Coast 26 Federal SWD #1

Analytical Method: TPH by SW8015 Mod

Seq Number: 3130172

MB Sample Id: 7706304-1-BLK

Matrix: Solid

LCS Sample Id: 7706304-1-BKS

Prep Method: SW8015P

Date Prep: 06.26.2020

LCSD Sample Id: 7706304-1-BSD

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

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

Analytical Method: TPH by SW8015 Mod

Seq Number: 3130172

Matrix: Solid

MB Sample Id: 7706304-1-BLK

Prep Method: SW8015P

Date Prep: 06.26.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	06.26.2020 19:43	

Analytical Method: TPH by SW8015 Mod

Seq Number: 3130172

Matrix: Soil

Parent Sample Id: 665688-001

MS Sample Id: 665688-001 S

Prep Method: SW8015P

Date Prep: 06.26.2020

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	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	830	83	828	83	70-130	0	20	mg/kg	06.26.2020 21:09	
Diesel Range Organics (DRO)	<49.9	997	929	93	905	91	70-130	3	20	mg/kg	06.26.2020 21:09	

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

Analytical Method: BTEX by EPA 8021B

Seq Number: 3130357

Matrix: Solid

MB Sample Id: 7706409-1-BLK

LCS Sample Id: 7706409-1-BKS

Prep Method: SW5035A

Date Prep: 06.29.2020

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	Flag
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

TRC Solutions, Inc
Gold Coast 26 Federal SWD #1

Analytical Method: BTEX by EPA 8021B

Seq Number: 3130459

Matrix: Solid

Prep Method: SW5035A

Date Prep: 06.30.2020

MB Sample Id: 7706528-1-BLK

LCS Sample Id: 7706528-1-BKS

LCSD 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	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

Analytical Method: BTEX by EPA 8021B

Seq Number: 3130446

Matrix: Solid

Prep Method: SW5035A

Date Prep: 06.30.2020

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	Flag
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 8021B

Seq Number: 3130357

Matrix: Soil

Prep Method: SW5035A

Date 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	Flag
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 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

TRC Solutions, Inc
Gold Coast 26 Federal SWD #1

Analytical Method: BTEX by EPA 8021B

Seq Number: 3130459

Parent Sample Id: 665688-014

Matrix: Soil

MS Sample Id: 665688-014 S

Prep Method: SW5035A

Date Prep: 06.30.2020

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

Parent Sample Id: 665852-001

Matrix: Soil

MS Sample Id: 665852-001 S

Prep Method: SW5035A

Date Prep: 06.30.2020

MSD Sample Id: 665852-001 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	0.103	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

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



Chain of Custody

Work Order No: 1051088

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

www.xenco.com Page 1 of 2

Project Manager:	Jared Stoffel	Bill to: (if different)	like Tavaraz
Company Name:	TRC	Company Name:	COG
Address:	10 Desta Dr. STE 150 E	Address:	
City, State ZIP:	Midland, TX 79705	City, State ZIP:	
Phone:	(432) 238-3003	Email:	like Jared, Tania, Grubbs
Project Name:	Gold Coast 26 Federal SWD #1	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush
Project Number:		Due Date:	
P.O. Number:			
Sampler's Name:	Tania Babu		

SAMPLE RECEIPT		Temp Blank:	(Yes) <input checked="" type="checkbox"/> (No) <input type="checkbox"/>	Wet Ice:	(Yes) <input type="checkbox"/> (No) <input checked="" type="checkbox"/>
Temperature (°C):	27.7	Thermometer #	115		
Received In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	-0.4		
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Total Containers:			
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers										Sample Comments																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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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

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 \$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)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		6/25/20			1103

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: TRC Solutions, Inc

Date/ Time Received: 06.26.2020 11.03.00 AM

Work Order #: 665688

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

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 container/ 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 relinquished/ received?	Yes
#10 Chain of Custody agrees with sample labels/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 headspace?	N/A

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

Analyst:

PH Device/Lot#:

Checklist completed by:



Brianna Teel

Date: 06.26.2020

Checklist reviewed by:



Jessica Kramer

Date: 06.26.2020



Xenco

Certificate of Analysis Summary 665689

TRC Solutions, Inc, Midland, TX

Project Name: Gold Coast 26 Federal SWD #1

Project Id:

Contact: Jared Stoffel

Project Location:

Date Received in Lab: Fri 06.26.2020 11:03

Report Date: 07.15.2020 14:50

Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	665689-001	665689-002	665689-003	665689-004	665689-006	665689-007
	<i>Field Id:</i>	SB-1 @ 0-1'	SB-1 @ 2-3'	SB-1 @ 4-5'	SB-1 @ 6-7'	SB-2 @ 0-1'	SB-2 @ 2-3'
	<i>Depth:</i>	0-1 ft	2-3 ft	4-5 ft	6-7 ft	0-1 ft	2-3 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	06.23.2020 10:30	06.23.2020 10:35	06.23.2020 10:40	06.23.2020 10:45	06.23.2020 12:00	06.23.2020 12:05
BTEX by EPA 8021B	<i>Extracted:</i>	06.30.2020 16:00				06.30.2020 16:00	
	<i>Analyzed:</i>	06.30.2020 21:42				06.30.2020 22:03	
	<i>Units/RL:</i>	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	<i>Extracted:</i>	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	06.30.2020 11:00
	<i>Analyzed:</i>	06.30.2020 15:02	06.30.2020 15:18	06.30.2020 15:23	06.30.2020 15:38	06.30.2020 15:48	06.30.2020 15:43
	<i>Units/RL:</i>	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	<i>Extracted:</i>	06.29.2020 09:00				06.29.2020 09:00	
	<i>Analyzed:</i>	06.29.2020 19:37				06.29.2020 20:34	
	<i>Units/RL:</i>	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



Xenco

Certificate of Analysis Summary 665689

TRC Solutions, Inc, Midland, TX

Project Name: Gold Coast 26 Federal SWD #1

Project Id:

Contact: Jared Stoffel

Project Location:

Date Received in Lab: Fri 06.26.2020 11:03

Report Date: 07.15.2020 14:50

Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	665689-008	665689-009	665689-011	665689-012	665689-013	665689-014
	<i>Field Id:</i>	SB-2 @ 4-5'	SB -2@ 6-7'	SB-3 @ 0-1'	SB-3 @ 2-3'	SB-3 @ 4-5'	SB-3 @ 6-7'
	<i>Depth:</i>	4-5 ft	6-7 ft	0-1 ft	2-3 ft	4-5 ft	6-7 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	06.23.2020 12:10	06.23.2020 12:15	06.23.2020 11:40	06.23.2020 11:45	06.23.2020 11:50	06.23.2020 11:55
BTEX by EPA 8021B	<i>Extracted:</i>			06.30.2020 16:00			
	<i>Analyzed:</i>			06.30.2020 22:23			
	<i>Units/RL:</i>			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	<i>Extracted:</i>	06.30.2020 11:00	06.30.2020 11:00	06.30.2020 11:00	06.30.2020 11:00	06.30.2020 11:35	07.07.2020 15:20
	<i>Analyzed:</i>	06.30.2020 15:53	06.30.2020 15:58	06.30.2020 16:03	06.30.2020 16:08	06.30.2020 16:39	07.07.2020 17:55
	<i>Units/RL:</i>	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	<i>Extracted:</i>			06.29.2020 09:00			
	<i>Analyzed:</i>			06.29.2020 20:53			
	<i>Units/RL:</i>			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



Xenco

Certificate of Analysis Summary 665689

TRC Solutions, Inc, Midland, TX

Project Name: Gold Coast 26 Federal SWD #1

Project Id:

Contact: Jared Stoffel

Project Location:

Date Received in Lab: Fri 06.26.2020 11:03

Report Date: 07.15.2020 14:50

Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	665689-016	665689-017	665689-018	665689-019	665689-021	665689-022
	<i>Field Id:</i>	SB-4 @ 0-1'	SB-4 @ 2-3'	SB-4 @ 4-5'	SB-4 @ 6-7'	SB-5 @ 0-1'	SB-5 @ 2-3'
	<i>Depth:</i>	0-1 ft	2-3 ft	4-5 ft	6-7 ft	0-1 ft	2-3 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	06.23.2020 12:10	06.23.2020 12:15	06.23.2020 12:20	06.23.2020 12:25	06.23.2020 12:40	06.23.2020 12:45
BTEX by EPA 8021B	<i>Extracted:</i>	07.01.2020 17:15				07.01.2020 17:15	
	<i>Analyzed:</i>	07.02.2020 06:36				07.02.2020 06:56	
	<i>Units/RL:</i>	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	<i>Extracted:</i>	06.30.2020 11:35	06.30.2020 11:35	06.30.2020 11:35	06.30.2020 11:35	06.30.2020 11:35	06.30.2020 11:35
	<i>Analyzed:</i>	06.30.2020 16:54	06.30.2020 16:59	06.30.2020 17:09	06.30.2020 17:04	06.30.2020 17:24	06.30.2020 17:29
	<i>Units/RL:</i>	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	<i>Extracted:</i>	06.29.2020 09:00				06.26.2020 16:30	
	<i>Analyzed:</i>	06.29.2020 21:12				06.27.2020 03:31	
	<i>Units/RL:</i>	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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Certificate of Analysis Summary 665689

TRC Solutions, Inc, Midland, TX

Project Name: Gold Coast 26 Federal SWD #1

Project Id:

Date Received in Lab: Fri 06.26.2020 11:03

Contact: Jared Stoffel

Report Date: 07.15.2020 14:50

Project Location:

Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	665689-023	665689-024	665689-025	665689-026	665689-027	665689-028
	<i>Field Id:</i>	SB-5 @ 4-5'	SB-5 @ 6-7'	SB-5 @ 8-9'	SB-5 @ 14-15'	SB-5 @ 19-20'	SB-6 @ 0-1'
	<i>Depth:</i>	4-5 ft	6-7 ft	8-9 ft	14-15 ft	19-20 ft	0-1 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	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	<i>Extracted:</i>						07.01.2020 17:15
	<i>Analyzed:</i>						07.02.2020 07:17
	<i>Units/RL:</i>						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	<i>Extracted:</i>	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
	<i>Analyzed:</i>	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
	<i>Units/RL:</i>	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	<i>Extracted:</i>						06.26.2020 16:30
	<i>Analyzed:</i>						06.27.2020 03:52
	<i>Units/RL:</i>						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

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TRC Solutions, Inc, Midland, TX

Project Name: Gold Coast 26 Federal SWD #1

Project Id:

Contact: Jared Stoffel

Project Location:

Date Received in Lab: Fri 06.26.2020 11:03

Report Date: 07.15.2020 14:50

Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	665689-029	665689-030	665689-031	665689-032	665689-033	665689-035
	<i>Field Id:</i>	SB-6 @ 2-3'	SB-6 @ 4-5'	SB-6 @ 6-7'	SB-6 @ 8-9'	SB-6 @ 14-15'	SB-7 @ 0-1'
	<i>Depth:</i>	2-3 ft	4-5 ft	6-7 ft	8-9 ft	14-15 ft	0-1 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	06.23.2020 11:05	06.23.2020 11:10	06.23.2020 11:15	06.23.2020 11:20	06.23.2020 11:25	06.23.2020 14:20
BTEX by EPA 8021B	<i>Extracted:</i>						07.01.2020 17:15
	<i>Analyzed:</i>						07.02.2020 07:37
	<i>Units/RL:</i>						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	<i>Extracted:</i>	06.30.2020 11:35	06.30.2020 11:35	06.30.2020 11:35	06.30.2020 11:35	06.30.2020 11:50	06.30.2020 11:50
	<i>Analyzed:</i>	06.30.2020 18:04	06.30.2020 18:10	06.30.2020 18:25	06.30.2020 18:30	06.30.2020 19:26	06.30.2020 19:46
	<i>Units/RL:</i>	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	<i>Extracted:</i>						06.26.2020 16:30
	<i>Analyzed:</i>						06.27.2020 04:14
	<i>Units/RL:</i>						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

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TRC Solutions, Inc, Midland, TX

Project Name: Gold Coast 26 Federal SWD #1

Project Id:

Contact: Jared Stoffel

Project Location:

Date Received in Lab: Fri 06.26.2020 11:03

Report Date: 07.15.2020 14:50

Project Manager: Jessica Kramer

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

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Contact: Jared Stoffel

Report Date: 07.15.2020 14:50

Project Location:

Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	665689-043	665689-045	665689-046	665689-047	665689-048	665689-050
	<i>Field Id:</i>	SB-8 @ 6-7'	SB-9 @ 0-1'	SB-9 @ 2-3'	SB-9 @ 4-5'	SB-9 @ 6-7'	SB-10 @ 0-1'
	<i>Depth:</i>	6-7 ft	0-1 ft	2-3 ft	4-5 ft	6-7 ft	0-1 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	06.23.2020 14:05	06.23.2020 13:20	06.23.2020 13:25	06.23.2020 13:30	06.23.2020 13:35	06.24.2020 09:00
BTEX by EPA 8021B	<i>Extracted:</i>		07.01.2020 17:15				07.01.2020 17:15
	<i>Analyzed:</i>		07.02.2020 08:17				07.02.2020 08:38
	<i>Units/RL:</i>		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	<i>Extracted:</i>	06.30.2020 11:50	06.30.2020 11:50	07.02.2020 13:45	06.30.2020 11:50	06.30.2020 11:50	06.30.2020 11:50
	<i>Analyzed:</i>	06.30.2020 20:31	06.30.2020 20:36	07.02.2020 17:29	06.30.2020 20:51	06.30.2020 20:57	06.30.2020 21:12
	<i>Units/RL:</i>	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	<i>Extracted:</i>		06.26.2020 17:00				06.26.2020 17:00
	<i>Analyzed:</i>		06.27.2020 01:26				06.27.2020 01:45
	<i>Units/RL:</i>		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

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Contact: Jared Stoffel

Report Date: 07.15.2020 14:50

Project Location:

Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	665689-051	665689-052	665689-053	665689-054	665689-055	665689-056
	<i>Field Id:</i>	SB-10 @ 2-3'	SB-10 @ 4-5'	SB-10 @ 6-7'	SB-11 @ 0-1'	SB-11 @ 2-3'	SB-11 @ 4-5'
	<i>Depth:</i>	2-3 ft	4-5 ft	6-7 ft	0-1 ft	2-3 ft	4-5 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	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	<i>Extracted:</i>				07.01.2020 17:15		
	<i>Analyzed:</i>				07.02.2020 08:58		
	<i>Units/RL:</i>				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	<i>Extracted:</i>	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
	<i>Analyzed:</i>	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
	<i>Units/RL:</i>	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	<i>Extracted:</i>				06.26.2020 17:00		
	<i>Analyzed:</i>				06.27.2020 12:49		
	<i>Units/RL:</i>				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

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Contact: Jared Stoffel

Report Date: 07.15.2020 14:50

Project Location:

Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	665689-057	665689-059	665689-060	665689-061	665689-063	665689-064
	<i>Field Id:</i>	SB-11 @ 6-7'	SB-12 @ 0-1'	SB-12 @ 2-3'	SB-12 @ 4-5'	SB-13 @ 0-1'	SB-13 @ 2-3'
	<i>Depth:</i>	6-7 ft	0-1 ft	2-3 ft	4-5 ft	0-1 ft	2-3 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	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	<i>Extracted:</i>		07.01.2020 17:15			07.01.2020 17:15	
	<i>Analyzed:</i>		07.02.2020 09:18			07.02.2020 09:39	
	<i>Units/RL:</i>		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	<i>Extracted:</i>	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
	<i>Analyzed:</i>	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 21:42
	<i>Units/RL:</i>	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	<i>Extracted:</i>		06.26.2020 17:00			06.26.2020 17:00	
	<i>Analyzed:</i>		06.27.2020 02:22			06.27.2020 02:41	
	<i>Units/RL:</i>		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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Contact: Jared Stoffel

Report Date: 07.15.2020 14:50

Project Location:

Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	665689-065	665689-067	665689-068	665689-069	665689-070	665689-071
	<i>Field Id:</i>	SB-13 @ 4-5'	SB-14 @ 0-1'	SB-14 @ 2-3'	SB-14 @ 4-5'	SB-14 @ 6-7'	SB-14 @ 8-9'
	<i>Depth:</i>	4-5 ft	0-1 ft	2-3 ft	4-5 ft	6-7 ft	8-9 ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	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	<i>Extracted:</i>		07.02.2020 08:45				
	<i>Analyzed:</i>		07.02.2020 17:49				
	<i>Units/RL:</i>		mg/kg RL				
Benzene			<0.00202 0.00202				
Toluene			<0.00202 0.00202				
Ethylbenzene			<0.00202 0.00202				
m,p-Xylenes			<0.00404 0.00404				
o-Xylene			<0.00202 0.00202				
Total Xylenes			<0.00202 0.00202				
Total BTEX			<0.00202 0.00202				
Chloride by EPA 300	<i>Extracted:</i>	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
	<i>Analyzed:</i>	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
	<i>Units/RL:</i>	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	<i>Extracted:</i>		06.26.2020 17:00				
	<i>Analyzed:</i>		06.27.2020 03:00				
	<i>Units/RL:</i>		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				

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Report Date: 07.15.2020 14:50

Project Location:

Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	665689-072	665689-074	665689-075	665689-076	665689-077	
	<i>Field Id:</i>	SB-14 @ 14-15'	SB-Road @ 0-1'	SB-Road @ 2-3'	SB-Road @ 4-5'	SB-Road @ 6-7'	
	<i>Depth:</i>	14-15 ft	0-1 ft	2-3 ft	4-5 ft	6-7 ft	
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	
	<i>Sampled:</i>	06.24.2020 11:15	06.24.2020 11:30	06.24.2020 11:35	06.24.2020 11:40	06.24.2020 11:45	
BTEX by EPA 8021B	<i>Extracted:</i>		07.02.2020 08:45				
	<i>Analyzed:</i>		07.02.2020 18:10				
	<i>Units/RL:</i>		mg/kg RL				
Benzene			<0.00201 0.00201				
Toluene			<0.00201 0.00201				
Ethylbenzene			<0.00201 0.00201				
m,p-Xylenes			<0.00402 0.00402				
o-Xylene			<0.00201 0.00201				
Total Xylenes			<0.00201 0.00201				
Total BTEX			<0.00201 0.00201				
Chloride by EPA 300	<i>Extracted:</i>	07.13.2020 10:30	06.30.2020 15:20	06.30.2020 15:20	06.30.2020 15:20	06.30.2020 15:20	
	<i>Analyzed:</i>	07.13.2020 14:40	06.30.2020 18:17	06.30.2020 18:24	06.30.2020 18:30	06.30.2020 18:37	
	<i>Units/RL:</i>	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	<i>Extracted:</i>		06.26.2020 17:00				
	<i>Analyzed:</i>		06.27.2020 03:19				
	<i>Units/RL:</i>		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



Xenco

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,

A handwritten signature in black ink that reads "Jessica Kramer".

Jessica Kramer

Project Manager

A Small Business and Minority Company

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



Xenco

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



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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



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CASE NARRATIVE**Client Name: TRC Solutions, Inc****Project Name: Gold Coast 26 Federal SWD #1**

Project ID:

Work Order Number(s): 665689

Report Date: 07.15.2020

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.



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Certificate of Analytical Results 665689

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

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	40.6	4.97	mg/kg	06.30.2020 15:02		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 06.29.2020 09:00

Basis: Wet Weight

Seq Number: 3130347

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	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-130	06.29.2020 19:37	
o-Terphenyl	84-15-1	100	%	70-130	06.29.2020 19:37	



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Certificate of Analytical Results 665689

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

Seq Number: 3130459

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	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		

**Certificate of Analytical Results 665689****TRC Solutions, Inc, Midland, TX**

Gold Coast 26 Federal SWD #1

Sample Id: **SB-1 @ 2-3'**

Matrix: Soil

Date Received: 06.26.2020 11:03

Lab Sample Id: 665689-002

Date Collected: 06.23.2020 10:35

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

Seq Number: 3130390

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

**Certificate of Analytical Results 665689****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:

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	4880	24.8	mg/kg	06.30.2020 15:23		5

**Certificate of Analytical Results 665689****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: 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	272	5.03	mg/kg	06.30.2020 15:38		1



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Certificate of Analytical Results 665689

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	mg/kg	06.30.2020 15:48		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 06.29.2020 09:00

Basis: Wet Weight

Seq Number: 3130347

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	06.29.2020 20:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	06.29.2020 20:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	06.29.2020 20:34	U	1
Total TPH	PHC635	<49.8	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	



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Certificate of Analytical Results 665689

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: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 06.30.2020 16:00

Basis: Wet Weight

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		

**Certificate of Analytical Results 665689****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

Seq Number: 3130390

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

**Certificate of Analytical Results 665689****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

Lab Sample Id: 665689-008

Date Collected: 06.23.2020 12:10

Sample Depth: 4 - 5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 06.30.2020 11:00

Basis: Wet Weight

Seq Number: 3130390

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1040	5.00	mg/kg	06.30.2020 15:53		1

**Certificate of Analytical Results 665689****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

Sample Depth: 6 - 7 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 06.30.2020 11:00

Basis: Wet Weight

Seq Number: 3130390

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



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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: 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	23.8	4.98	mg/kg	06.30.2020 16:03		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 06.29.2020 09:00

Basis: Wet Weight

Seq Number: 3130347

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
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	



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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: Wet Weight

Seq Number: 3130459

Parameter	Cas Number	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		

**Certificate of Analytical Results 665689****TRC Solutions, Inc, Midland, TX**

Gold Coast 26 Federal SWD #1

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

Matrix: Soil

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

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	36.5	5.00	mg/kg	06.30.2020 16:08		1



Certificate of Analytical Results 665689

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

Seq Number: 3130434

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



Certificate of Analytical Results 665689

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

Lab Sample Id: 665689-014

Date Collected: 06.23.2020 11:55

Sample Depth: 6 - 7 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

Seq Number: 3130983

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



Xenco

Certificate of Analytical Results 665689

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

% 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

Prep Method: SW8015P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 06.29.2020 09:00

Basis: Wet Weight

Seq Number: 3130347

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
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	



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Certificate of Analytical Results 665689

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:

Analyst: KTL

Date Prep: 07.01.2020 17:15

Basis: Wet Weight

Seq Number: 3130664

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		
4-Bromofluorobenzene	460-00-4	111	%	70-130	07.02.2020 06:36		



Certificate of Analytical Results 665689

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

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

Matrix: Soil

Date Received: 06.26.2020 11:03

Lab Sample Id: 665689-017

Date Collected: 06.23.2020 12:15

Sample Depth: 2 - 3 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 06.30.2020 11:35

Basis: Wet Weight

Seq Number: 3130434

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

**Certificate of Analytical Results 665689****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:

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	2390	25.1	mg/kg	06.30.2020 17:09		5

**Certificate of Analytical Results 665689****TRC Solutions, Inc, Midland, TX**

Gold Coast 26 Federal SWD #1

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

Matrix: Soil

Date Received: 06.26.2020 11:03

Lab Sample Id: 665689-019

Date Collected: 06.23.2020 12:25

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

Seq Number: 3130434

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



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Certificate of Analytical Results 665689

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: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% 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	29.7	4.95	mg/kg	06.30.2020 17:24		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 06.26.2020 16:30

Basis: Wet Weight

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 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	



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Certificate of Analytical Results 665689

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

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 07.01.2020 17:15

Basis: Wet Weight

Seq Number: 3130664

Parameter	Cas Number	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		

**Certificate of Analytical Results 665689****TRC Solutions, Inc, Midland, TX**

Gold Coast 26 Federal SWD #1

Sample Id: **SB-5 @ 2-3'**

Matrix: Soil

Date Received: 06.26.2020 11:03

Lab Sample Id: 665689-022

Date Collected: 06.23.2020 12:45

Sample Depth: 2 - 3 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 06.30.2020 11:35

Basis: Wet Weight

Seq Number: 3130434

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



Certificate of Analytical Results 665689

TRC Solutions, Inc, Midland, TX

Gold Coast 26 Federal SWD #1

Sample Id: **SB-5 @ 4-5'**

Matrix: Soil

Date Received: 06.26.2020 11:03

Lab Sample Id: 665689-023

Date Collected: 06.23.2020 12:50

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

Seq Number: 3130434

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	98.9	5.05	mg/kg	06.30.2020 17:34		1

**Certificate of Analytical Results 665689****TRC Solutions, Inc, Midland, TX**

Gold Coast 26 Federal SWD #1

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

Matrix: Soil

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

Seq Number: 3130434

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

**Certificate of Analytical Results 665689****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:

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	1620	25.0	mg/kg	06.30.2020 17:44		5

**Certificate of Analytical Results 665689****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

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.07.2020 15:20

Basis: Wet Weight

Seq Number: 3130983

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	866	4.98	mg/kg	07.07.2020 17:00		1

**Certificate of Analytical Results 665689****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

% Moisture:

Analyst: SPC

Date Prep: 07.14.2020 10:00

Basis: Wet Weight

Seq Number: 3131639

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



Xenco

Certificate of Analytical Results 665689

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

Tech: CHE

% 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	49.5	5.00	mg/kg	06.30.2020 17:49		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 06.26.2020 16:30

Basis: Wet Weight

Seq Number: 3130172

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
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	



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Certificate of Analytical Results 665689

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: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 07.01.2020 17:15

Basis: Wet Weight

Seq Number: 3130664

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		
4-Bromofluorobenzene	460-00-4	118	%	70-130	07.02.2020 07:17		

**Certificate of Analytical Results 665689****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

% 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	51.4	5.04	mg/kg	06.30.2020 18:04		1

**Certificate of Analytical Results 665689****TRC Solutions, Inc, Midland, TX**

Gold Coast 26 Federal SWD #1

Sample Id: **SB-6 @ 4-5'**

Matrix: Soil

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

Tech: CHE

% 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	5660	49.9	mg/kg	06.30.2020 18:10		10



Certificate of Analytical Results 665689

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

Prep Method: E300P

Tech: CHE

% 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	1920	25.0	mg/kg	06.30.2020 18:25		5

**Certificate of Analytical Results 665689****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

Tech: CHE

% 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	2260	25.1	mg/kg	06.30.2020 18:30		5

**Certificate of Analytical Results 665689****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

% Moisture:

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	187	4.95	mg/kg	06.30.2020 19:26		1



Xenco

Certificate of Analytical Results 665689

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

% Moisture:

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	96.6	4.99	mg/kg	06.30.2020 19:46		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 06.26.2020 16:30

Basis: Wet Weight

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 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
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	



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Certificate of Analytical Results 665689

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: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 07.01.2020 17:15

Basis: Wet Weight

Seq Number: 3130664

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-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	

**Certificate of Analytical Results 665689****TRC Solutions, Inc, Midland, TX**

Gold Coast 26 Federal SWD #1

Sample Id: **SB-7 @ 2-3'**

Matrix: Soil

Date Received: 06.26.2020 11:03

Lab Sample Id: 665689-036

Date Collected: 06.23.2020 14:25

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

Seq Number: 3130436

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

**Certificate of Analytical Results 665689****TRC Solutions, Inc, Midland, TX**

Gold Coast 26 Federal SWD #1

Sample Id: **SB-7 @ 4-5'**

Matrix: Soil

Date Received: 06.26.2020 11:03

Lab Sample Id: 665689-037

Date Collected: 06.23.2020 14:30

Sample Depth: 4 - 5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 06.30.2020 11:50

Basis: Wet Weight

Seq Number: 3130436

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

**Certificate of Analytical Results 665689****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

Tech: CHE

% Moisture:

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	86.1	4.96	mg/kg	06.30.2020 20:11		1



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Certificate of Analytical Results 665689

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: 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	85.0	5.00	mg/kg	06.30.2020 20:16		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 06.26.2020 16:30

Basis: Wet Weight

Seq Number: 3130172

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
1-Chlorooctane	111-85-3	86	%	70-130	06.27.2020 04:35	
o-Terphenyl	84-15-1	84	%	70-130	06.27.2020 04:35	



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Certificate of Analytical Results 665689

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: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 07.01.2020 17:15

Basis: Wet Weight

Seq Number: 3130664

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	460-00-4	122	%	70-130	07.02.2020 07:57		
1,4-Difluorobenzene	540-36-3	92	%	70-130	07.02.2020 07:57		

**Certificate of Analytical Results 665689****TRC Solutions, Inc, Midland, TX**

Gold Coast 26 Federal SWD #1

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

Matrix: Soil

Date Received: 06.26.2020 11:03

Lab Sample Id: 665689-041

Date Collected: 06.23.2020 13:55

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

Seq Number: 3130436

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

**Certificate of Analytical Results 665689****TRC Solutions, Inc, Midland, TX**

Gold Coast 26 Federal SWD #1

Sample Id: **SB-8@ 4-5'**

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

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

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	173	5.01	mg/kg	06.30.2020 20:26		1

**Certificate of Analytical Results 665689****TRC Solutions, Inc, Midland, TX**

Gold Coast 26 Federal SWD #1

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

Matrix: Soil

Date Received: 06.26.2020 11:03

Lab Sample Id: 665689-043

Date Collected: 06.23.2020 14:05

Sample Depth: 6 - 7 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 06.30.2020 11:50

Basis: Wet Weight

Seq Number: 3130436

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



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Certificate of Analytical Results 665689

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

% Moisture:

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	41.6	4.99	mg/kg	06.30.2020 20:36		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 06.26.2020 17:00

Basis: Wet Weight

Seq Number: 3130170

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
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	



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Certificate of Analytical Results 665689

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: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 07.01.2020 17:15

Basis: Wet Weight

Seq Number: 3130664

Parameter	Cas Number	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		
1,4-Difluorobenzene	540-36-3	93	%	70-130	07.02.2020 08:17		

**Certificate of Analytical Results 665689****TRC Solutions, Inc, Midland, TX**

Gold Coast 26 Federal SWD #1

Sample Id: **SB-9 @ 2-3'**

Matrix: Soil

Date Received: 06.26.2020 11:03

Lab Sample Id: 665689-046

Date Collected: 06.23.2020 13:25

Sample Depth: 2 - 3 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.2020 13:45

Basis: Wet Weight

Seq Number: 3130769

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

**Certificate of Analytical Results 665689****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

Tech: CHE

% Moisture:

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	8660	50.3	mg/kg	06.30.2020 20:51		10

**Certificate of Analytical Results 665689****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

Tech: CHE

% Moisture:

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	216	4.96	mg/kg	06.30.2020 20:57		1



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Certificate of Analytical Results 665689

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

Tech: CHE

% Moisture:

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	mg/kg	06.30.2020 21:12		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 06.26.2020 17:00

Basis: Wet Weight

Seq Number: 3130170

Parameter	Cas Number	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
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	



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Certificate of Analytical Results 665689

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: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 07.01.2020 17:15

Basis: Wet Weight

Seq Number: 3130664

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	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		

**Certificate of Analytical Results 665689****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

Seq Number: 3130436

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



Certificate of Analytical Results 665689

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

% Moisture:

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	653	5.05	mg/kg	06.30.2020 21:22		1

**Certificate of Analytical Results 665689****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

Sample Depth: 6 - 7 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

Seq Number: 3130983

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	324	4.98	mg/kg	07.07.2020 18:00		1



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Certificate of Analytical Results 665689

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

% 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	1530	24.8	mg/kg	06.30.2020 18:35		5

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 06.26.2020 17:00

Basis: Wet Weight

Seq Number: 3130170

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
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	



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Certificate of Analytical Results 665689

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: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 07.01.2020 17:15

Basis: Wet Weight

Seq Number: 3130664

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	
4-Bromofluorobenzene	460-00-4	126	%	70-130	07.02.2020 08:58		
1,4-Difluorobenzene	540-36-3	91	%	70-130	07.02.2020 08:58		



Certificate of Analytical Results 665689

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

Tech: CHE

% 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	2480	24.8	mg/kg	06.30.2020 18:40		5



Certificate of Analytical Results 665689

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

% 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	5030	50.3	mg/kg	06.30.2020 18:45		10

**Certificate of Analytical Results 665689****TRC Solutions, Inc, Midland, TX**

Gold Coast 26 Federal SWD #1

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

Matrix: Soil

Date Received: 06.26.2020 11:03

Lab Sample Id: 665689-057

Date Collected: 06.24.2020 09:40

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

Seq Number: 3130434

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



Xenco

Certificate of Analytical Results 665689

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

Tech: CHE

% 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	37.9	4.99	mg/kg	06.30.2020 18:55		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 06.26.2020 17:00

Basis: Wet Weight

Seq Number: 3130170

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
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	



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Certificate of Analytical Results 665689

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: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 07.01.2020 17:15

Basis: Wet Weight

Seq Number: 3130664

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	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		

**Certificate of Analytical Results 665689****TRC Solutions, Inc, Midland, TX**

Gold Coast 26 Federal SWD #1

Sample Id: **SB-12@ 2-3'**

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

Tech: CHE

% Moisture:

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	24.0	4.98	mg/kg	06.30.2020 21:27		1

**Certificate of Analytical Results 665689****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:

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	187	5.00	mg/kg	06.30.2020 21:32		1



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Certificate of Analytical Results 665689

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: CHE

% Moisture:

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	16.8	5.00	mg/kg	06.30.2020 21:37		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 06.26.2020 17:00

Basis: Wet Weight

Seq Number: 3130170

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
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	



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Certificate of Analytical Results 665689

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

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 07.01.2020 17:15

Basis: Wet Weight

Seq Number: 3130664

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	540-36-3	95	%	70-130	07.02.2020 09:39		
4-Bromofluorobenzene	460-00-4	131	%	70-130	07.02.2020 09:39	**	



Certificate of Analytical Results 665689

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

Tech: CHE

% Moisture:

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	22.1	5.00	mg/kg	06.30.2020 21:42		1

**Certificate of Analytical Results 665689****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

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 06.30.2020 15:20

Basis: Wet Weight

Seq Number: 3130441

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



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Certificate of Analytical Results 665689

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

Sample Depth: 0 - 1 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

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

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 06.26.2020 17:00

Basis: Wet Weight

Seq Number: 3130170

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	06.27.2020 03:00	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	
o-Terphenyl	84-15-1	109	%	70-130	06.27.2020 03:00	



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Certificate of Analytical Results 665689

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

Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 07.02.2020 08:45

Basis: Wet Weight

Seq Number: 3130648

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		
4-Bromofluorobenzene	460-00-4	99	%	70-130	07.02.2020 17:49		

**Certificate of Analytical Results 665689****TRC Solutions, Inc, Midland, TX**

Gold Coast 26 Federal SWD #1

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

Matrix: Soil

Date Received: 06.26.2020 11:03

Lab Sample Id: 665689-068

Date Collected: 06.24.2020 10:55

Sample Depth: 2 - 3 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

Seq Number: 3130441

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

**Certificate of Analytical Results 665689****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

% Moisture:

Analyst: CHE

Date Prep: 06.30.2020 15:20

Basis: Wet Weight

Seq Number: 3130441

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

**Certificate of Analytical Results 665689****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

Seq Number: 3130441

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



Certificate of Analytical Results 665689

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

Seq Number: 3130983

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

**Certificate of Analytical Results 665689****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

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.13.2020 10:30

Basis: Wet Weight

Seq Number: 3131500

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



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Certificate of Analytical Results 665689

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

% Moisture:

Analyst: CHE

Date Prep: 06.30.2020 15:20

Basis: Wet Weight

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

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 06.26.2020 17:00

Basis: Wet Weight

Seq Number: 3130170

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
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	



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Certificate of Analytical Results 665689

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: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 07.02.2020 08:45

Basis: Wet Weight

Seq Number: 3130648

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		
4-Bromofluorobenzene	460-00-4	104	%	70-130	07.02.2020 18:10		



Certificate of Analytical Results 665689

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

Sample Depth: 2 - 3 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

Seq Number: 3130441

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

**Certificate of Analytical Results 665689****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

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 06.30.2020 15:20

Basis: Wet Weight

Seq Number: 3130441

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

**Certificate of Analytical Results 665689****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

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 06.30.2020 15:20

Basis: Wet Weight

Seq Number: 3130441

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.

** Surrogate recovered outside laboratory control limit.

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

TRC Solutions, Inc
Gold Coast 26 Federal SWD #1

Analytical Method: Chloride by EPA 300

Seq Number: 3130390

MB Sample Id: 7706453-1-BLK

Matrix: Solid

LCS Sample Id: 7706453-1-BKS

Prep Method: E300P

Date Prep: 06.30.2020

LCSD Sample Id: 7706453-1-BSD

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

Analytical Method: Chloride by EPA 300

Seq Number: 3130434

MB Sample Id: 7706454-1-BLK

Matrix: Solid

LCS Sample Id: 7706454-1-BKS

Prep Method: E300P

Date Prep: 06.30.2020

LCSD Sample Id: 7706454-1-BSD

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

Analytical Method: Chloride by EPA 300

Seq Number: 3130436

MB Sample Id: 7706455-1-BLK

Matrix: Solid

LCS Sample Id: 7706455-1-BKS

Prep Method: E300P

Date Prep: 06.30.2020

LCSD Sample Id: 7706455-1-BSD

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

Analytical Method: Chloride by EPA 300

Seq Number: 3130441

MB Sample Id: 7706497-1-BLK

Matrix: Solid

LCS Sample Id: 7706497-1-BKS

Prep Method: E300P

Date Prep: 06.30.2020

LCSD Sample Id: 7706497-1-BSD

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

Analytical Method: Chloride by EPA 300

Seq Number: 3130769

MB Sample Id: 7706694-1-BLK

Matrix: Solid

LCS Sample Id: 7706694-1-BKS

Prep Method: E300P

Date Prep: 07.02.2020

LCSD Sample Id: 7706694-1-BSD

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

Analytical Method: Chloride by EPA 300

Seq Number: 3130983

MB Sample Id: 7706871-1-BLK

Matrix: Solid

LCS Sample Id: 7706871-1-BKS

Prep Method: E300P

Date Prep: 07.07.2020

LCSD Sample Id: 7706871-1-BSD

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

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

TRC Solutions, Inc
Gold Coast 26 Federal SWD #1

Analytical Method: Chloride by EPA 300

Seq Number: 3131500

MB Sample Id: 7707209-1-BLK

Matrix: Solid

LCS Sample Id: 7707209-1-BKS

Prep Method: E300P

Date Prep: 07.13.2020

LCSD Sample Id: 7707209-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	252	101	255	102	90-110	1	20	mg/kg	07.13.2020 13:04	

Analytical Method: Chloride by EPA 300

Seq Number: 3131639

MB Sample Id: 7707269-1-BLK

Matrix: Solid

LCS Sample Id: 7707269-1-BKS

Prep Method: E300P

Date Prep: 07.14.2020

LCSD Sample Id: 7707269-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	256	102	256	102	90-110	0	20	mg/kg	07.14.2020 10:16	

Analytical Method: Chloride by EPA 300

Seq Number: 3130390

Parent Sample Id: 665688-007

Matrix: Soil

MS Sample Id: 665688-007 S

Prep Method: E300P

Date Prep: 06.30.2020

MSD Sample Id: 665688-007 SD

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

Analytical Method: Chloride by EPA 300

Seq Number: 3130390

Parent Sample Id: 665689-001

Matrix: Soil

MS Sample Id: 665689-001 S

Prep Method: E300P

Date Prep: 06.30.2020

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	Flag
Chloride	40.6	249	309	108	314	110	90-110	2	20	mg/kg	06.30.2020 15:07	

Analytical Method: Chloride by EPA 300

Seq Number: 3130434

Parent Sample Id: 665689-013

Matrix: Soil

MS Sample Id: 665689-013 S

Prep Method: E300P

Date Prep: 06.30.2020

MSD Sample Id: 665689-013 SD

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

Analytical Method: Chloride by EPA 300

Seq Number: 3130434

Parent Sample Id: 665689-028

Matrix: Soil

MS Sample Id: 665689-028 S

Prep Method: E300P

Date Prep: 06.30.2020

MSD Sample Id: 665689-028 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	49.5	250	310	104	312	105	90-110	1	20	mg/kg	06.30.2020 17:54	

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

TRC Solutions, Inc
Gold Coast 26 Federal SWD #1

Analytical Method: Chloride by EPA 300

Seq Number: 3130436

Parent Sample Id: 665689-033

Matrix: Soil

MS Sample Id: 665689-033 S

Prep Method: E300P

Date Prep: 06.30.2020

MSD Sample Id: 665689-033 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	187	248	422	95	429	98	90-110	2	20	mg/kg	06.30.2020 19:31	

Analytical Method: Chloride by EPA 300

Seq Number: 3130436

Parent Sample Id: 665689-045

Matrix: Soil

MS Sample Id: 665689-045 S

Prep Method: E300P

Date Prep: 06.30.2020

MSD Sample Id: 665689-045 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	41.6	250	288	99	310	107	90-110	7	20	mg/kg	06.30.2020 20:41	

Analytical Method: Chloride by EPA 300

Seq Number: 3130441

Parent Sample Id: 665689-065

Matrix: Soil

MS Sample Id: 665689-065 S

Prep Method: E300P

Date Prep: 06.30.2020

MSD Sample Id: 665689-065 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	153	251	405	100	406	101	90-110	0	20	mg/kg	06.30.2020 17:24	

Analytical Method: Chloride by EPA 300

Seq Number: 3130441

Parent Sample Id: 665809-002

Matrix: Soil

MS Sample Id: 665809-002 S

Prep Method: E300P

Date Prep: 06.30.2020

MSD Sample Id: 665809-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	1760	1250	3040	102	2980	98	90-110	2	20	mg/kg	06.30.2020 18:57	

Analytical Method: Chloride by EPA 300

Seq Number: 3130769

Parent Sample Id: 665975-005

Matrix: Soil

MS Sample Id: 665975-005 S

Prep Method: E300P

Date Prep: 07.02.2020

MSD Sample Id: 665975-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	18.2	252	295	110	296	110	90-110	0	20	mg/kg	07.02.2020 15:43	

Analytical Method: Chloride by EPA 300

Seq Number: 3130769

Parent Sample Id: 665975-012

Matrix: Soil

MS Sample Id: 665975-012 S

Prep Method: E300P

Date Prep: 07.02.2020

MSD Sample Id: 665975-012 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	25.4	253	290	105	262	94	90-110	10	20	mg/kg	07.02.2020 16:53	

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

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Analytical Method: Chloride by EPA 300

Seq Number: 3130983
Parent Sample Id: 665689-026

Matrix: Soil
MS Sample Id: 665689-026 S

Prep Method: E300P
Date Prep: 07.07.2020
MSD Sample Id: 665689-026 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	866	249	1100	94	1100	94	90-110	0	20	mg/kg	07.07.2020 17:05	

Analytical Method: Chloride by EPA 300

Seq Number: 3130983
Parent Sample Id: 666397-001

Matrix: Soil
MS Sample Id: 666397-001 S

Prep Method: E300P
Date Prep: 07.07.2020
MSD Sample Id: 666397-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	198	248	459	105	452	102	90-110	2	20	mg/kg	07.07.2020 15:54	

Analytical Method: Chloride by EPA 300

Seq Number: 3131500
Parent Sample Id: 666431-001

Matrix: Soil
MS Sample Id: 666431-001 S

Prep Method: E300P
Date Prep: 07.13.2020
MSD Sample Id: 666431-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	248	249	494	99	500	101	90-110	1	20	mg/kg	07.13.2020 13:19	

Analytical Method: Chloride by EPA 300

Seq Number: 3131500
Parent Sample Id: 666718-004

Matrix: Soil
MS Sample Id: 666718-004 S

Prep Method: E300P
Date Prep: 07.13.2020
MSD Sample Id: 666718-004 SD

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

Analytical Method: Chloride by EPA 300

Seq Number: 3131639
Parent Sample Id: 665689-027

Matrix: Soil
MS Sample Id: 665689-027 S

Prep Method: E300P
Date Prep: 07.14.2020
MSD Sample Id: 665689-027 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	144	248	392	100	393	100	90-110	0	20	mg/kg	07.14.2020 10:35	

Analytical Method: Chloride by EPA 300

Seq Number: 3131639
Parent Sample Id: 666985-085

Matrix: Soil
MS Sample Id: 666985-085 S

Prep Method: E300P
Date Prep: 07.14.2020
MSD Sample Id: 666985-085 SD

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

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

TRC Solutions, Inc
Gold Coast 26 Federal SWD #1

Analytical Method: TPH by SW8015 Mod

Seq Number: 3130172

MB Sample Id: 7706304-1-BLK

Matrix: Solid

LCS Sample Id: 7706304-1-BKS

Prep Method: SW8015P

Date Prep: 06.26.2020

LCSD Sample Id: 7706304-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	934	93	935	94	70-130	0	20	mg/kg	06.26.2020 20:04	
Diesel Range Organics (DRO)	<50.0	1000	1050	105	1060	106	70-130	1	20	mg/kg	06.26.2020 20:04	
Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date			
1-Chlorooctane	97		96		97		70-130	%	06.26.2020 20:04			
o-Terphenyl	100		97		97		70-130	%	06.26.2020 20:04			

Analytical Method: TPH by SW8015 Mod

Seq Number: 3130170

MB Sample Id: 7706306-1-BLK

Matrix: Solid

LCS Sample Id: 7706306-1-BKS

Prep Method: SW8015P

Date Prep: 06.26.2020

LCSD Sample Id: 7706306-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1020	102	1180	118	70-130	15	20	mg/kg	06.26.2020 19:45	
Diesel Range Organics (DRO)	<50.0	1000	993	99	1160	116	70-130	16	20	mg/kg	06.26.2020 19:45	
Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date			
1-Chlorooctane	114		123		128		70-130	%	06.26.2020 19:45			
o-Terphenyl	119		114		126		70-130	%	06.26.2020 19:45			

Analytical Method: TPH by SW8015 Mod

Seq Number: 3130347

MB Sample Id: 7706403-1-BLK

Matrix: Solid

LCS Sample Id: 7706403-1-BKS

Prep Method: SW8015P

Date Prep: 06.29.2020

LCSD Sample Id: 7706403-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1080	108	1070	107	70-130	1	20	mg/kg	06.29.2020 18:59	
Diesel Range Organics (DRO)	<50.0	1000	1100	110	1080	108	70-130	2	20	mg/kg	06.29.2020 18:59	
Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date			
1-Chlorooctane	115		128		127		70-130	%	06.29.2020 18:59			
o-Terphenyl	122		122		123		70-130	%	06.29.2020 18:59			

Analytical Method: TPH by SW8015 Mod

Seq Number: 3130172

Matrix: Solid
MB Sample Id: 7706304-1-BLK

Prep Method: SW8015P

Date Prep: 06.26.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	06.26.2020 19:43	

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

TRC Solutions, Inc
Gold Coast 26 Federal SWD #1

Analytical Method: TPH by SW8015 Mod

Seq Number: 3130170

Matrix: Solid

Prep Method: SW8015P

Date Prep: 06.26.2020

MB Sample Id: 7706306-1-BLK

Parameter

	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	06.26.2020 19:26	

Analytical Method: TPH by SW8015 Mod

Seq Number: 3130347

Matrix: Solid

Prep Method: SW8015P

Date Prep: 06.29.2020

MB Sample Id: 7706403-1-BLK

Parameter

	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	06.29.2020 18:39	

Analytical Method: TPH by SW8015 Mod

Seq Number: 3130172

Matrix: Soil

Prep Method: SW8015P

Date Prep: 06.26.2020

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	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	830	83	828	83	70-130	0	20	mg/kg	06.26.2020 21:09	
Diesel Range Organics (DRO)	<49.9	997	929	93	905	91	70-130	3	20	mg/kg	06.26.2020 21:09	

Surrogate

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

Analytical Method: TPH by SW8015 Mod

Seq Number: 3130170

Matrix: Soil

Prep Method: SW8015P

Date Prep: 06.26.2020

Parent Sample Id: 665480-014

MS Sample Id: 665480-014 S

MSD Sample Id: 665480-014 SD

Parameter

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

Surrogate

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

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 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

TRC Solutions, Inc
Gold Coast 26 Federal SWD #1

Analytical Method: TPH by SW8015 Mod

Seq Number: 3130347
Parent Sample Id: 665689-001

Matrix: Soil
MS Sample Id: 665689-001 S

Prep Method: SW8015P
Date Prep: 06.29.2020
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	Flag
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

Seq Number: 3130459
MB Sample Id: 7706528-1-BLK

Matrix: Solid
LCS Sample Id: 7706528-1-BKS

Prep Method: SW5035A
Date Prep: 06.30.2020
LCSD 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	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

Analytical Method: BTEX by EPA 8021B

Seq Number: 3130664
MB Sample Id: 7706630-1-BLK

Matrix: Solid
LCS Sample Id: 7706630-1-BKS

Prep Method: SW5035A
Date Prep: 07.01.2020
LCSD Sample Id: 7706630-1-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	0.103	103	0.101	101	70-130	2	35	mg/kg	07.02.2020 04:15	
Toluene	<0.00200	0.100	0.0995	100	0.0973	97	70-130	2	35	mg/kg	07.02.2020 04:15	
Ethylbenzene	<0.00200	0.100	0.103	103	0.100	100	70-130	3	35	mg/kg	07.02.2020 04:15	
m,p-Xylenes	<0.00400	0.200	0.203	102	0.198	99	70-130	2	35	mg/kg	07.02.2020 04:15	
o-Xylene	<0.00200	0.100	0.105	105	0.102	102	70-130	3	35	mg/kg	07.02.2020 04:15	

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

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

TRC Solutions, Inc
Gold Coast 26 Federal SWD #1

Analytical Method: BTEX by EPA 8021B

Seq Number: 3130648

MB Sample Id: 7706671-1-BLK

Matrix: Solid

LCS Sample Id: 7706671-1-BKS

Prep Method: SW5035A

Date Prep: 07.02.2020

LCSD 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 %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	102		97		99		70-130	%	07.02.2020 09:35
4-Bromofluorobenzene	102		97		99		70-130	%	07.02.2020 09:35

Analytical Method: BTEX by EPA 8021B

Seq Number: 3130459

Parent Sample Id: 665688-014

Matrix: Soil

MS Sample Id: 665688-014 S

Prep Method: SW5035A

Date Prep: 06.30.2020

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: 3130664

Parent Sample Id: 665689-016

Matrix: Soil

MS Sample Id: 665689-016 S

Prep Method: SW5035A

Date Prep: 07.01.2020

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	Flag
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

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

TRC Solutions, Inc
Gold Coast 26 Federal SWD #1

Analytical Method: BTEX by EPA 8021B

Seq Number: 3130648

Parent Sample Id: 665976-001

Matrix: Soil

MS Sample Id: 665976-001 S

Prep Method: SW5035A

Date Prep: 07.02.2020

MSD Sample Id: 665976-001 SD

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	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	97		98		70-130	%	07.02.2020 10:16
4-Bromofluorobenzene	99		100		70-130	%	07.02.2020 10:16

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



Chain of Custody

Work Order No: 1051069

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)

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Project Manager:	Jared Stoffel	Bill to: (if different)	Ike Tavaraz
Company Name:	TRC	Company Name:	COG
Address:	10 Desta Dr. STE 150 E	Address:	
City, State ZIP:	Midland, TX 79705	City, State ZIP:	
Phone:	(432) 238-3003	Email:	Ike, Jared, Tania, Grubbs

Project Name:	Gold Coast 26 Federal SWD #1	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush
Project Number:			
P.O. Number:			
Sampler's Name:	Tania Babu	Due Date:	

SAMPLE RECEIPT		Temp Blank:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Wet Ice:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Temperature (°C):	8.7/23	Thermometer ID:	JL-8		
Received Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Correction Factor:	-0.4		
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Total Containers:			
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A				

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	ANALYSIS REQUEST																Work Order Notes
SB-1 @ 0-1'	SS	6/23/2020	1030	0-1'	1	X															
SB-1 @ 2-3'	SS	6/23/2020	1035	2-3'	1																
SB-1 @ 4-5'	SS	6/23/2020	1040	4-5'	1																
SB-1 @ 6-7'	SS	6/23/2020	1045	6-7'	1																
SB-1 @ 8-9'	SS	6/23/2020	1050	8-9'	1																
SB-2 @ 0-1'	SS	6/24/2020	1200	0-1'	1		X														
SB-2 @ 2-3'	SS	6/24/2020	1205	2-3'	1																
SB-2 @ 4-5'	SS	6/24/2020	1210	4-5'	1																
SB-2 @ 6-7'	SS	6/24/2020	1215	6-7'	1																
SB-2 @ 8-9'	SS	6/24/2020	1220	8-9'	1																

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

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		6/24			
		6/25			



Houston, TX (281) 240-4200 Dallas, TX (214) 902-0350 San Antonio, TX (210) 509-3334
Midland, TX (432-704-5440) El Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296
Phoenix, AZ (480-355-0900) Atlanta, GA (770-449-8800) Tampa, FL (813-392-7550)
Hobbs, NM (575-392-7550)

Chain of Custody

Work Order No:

125030

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Project Manager:	Jared Stoffel	Bill to: (if different)	Ike Tavaraz
Company Name:	TRC	Company Name:	COG
Address:	10 Desta Dr. STE 150 E	Address:	
City, State ZIP:	Midland, TX 79705	City, State ZIP:	
Phone:	(432) 238-3003	Email:	Ike, Jared, Tania, Grubbs

Work Order Comments			
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RCC <input type="checkbox"/> Superfund <input type="checkbox"/>			
State of Project:			
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>			
Deliverables: EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:			

[illegible]

of service. Xenoco 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 Xenoco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenoco, but not analyzed. These terms will be enforced unless previously negotiated. **Notice:** Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenoco, its affiliates and subcontractors. It assigns standard terms and conditions of sale. Relinquishment of samples constitutes a valid purchase order from client company to Xenoco, its affiliates and subcontractors. It assigns standard terms and conditions of sale. Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenoco, its affiliates and subcontractors. It assigns standard terms and conditions of sale.

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	SiO ₂	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 <td>Cu</td> <td>Pb</td> <td>Mn</td> <td>Mo</td> <td>Ni</td> <td>Se</td> <td>Ag</td> <td>Ti</td> <td>U</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1631 / 245.1</td> <td>17470</td> <td>17471</td> <td>17471</td> <td>17471</td> <td>17471</td> <td>17471</td> <td>Hg</td>	Cu	Pb	Mn	Mo	Ni	Se	Ag	Ti	U						1631 / 245.1	17470	17471	17471	17471	17471	17471	Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>[Signature]</i>	<i>[Signature]</i>	2			
3		4			
5		6			



Chain of Custody

Work Order No:

10051089

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

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Project Manager:	Jared Stoffel	Bill to: (if different)	Ike Tavaroz
Company Name:	TRC	Company Name:	COG
Address:	10 Desta Dr. STE 150 E	Address:	
City, State ZIP:	Midland, TX 79705	City, State ZIP:	
Phone:	(432) 238-3003	Email:	Ike, Jared, Tania, Grubbs

Project Name:		Gold Coast 26 Federal SWD #1	Turn Around
Project Number:			Routine <input checked="" type="checkbox"/> Rush:
P.O. Number:			
Sampler's Name:		Tania Babu	Due Date:

SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Well Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Temperature (°C):		21.7/23.3	Thermometer ID		
Received Intract:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:		
Cooler Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Total Containers:		
Sample Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			

Project Name:		Gold Coast 26 Federal SWD #1	Turn Around
Project Number:			Routine <input checked="" type="checkbox"/> Rush:
P.O. Number:			
Sampler's Name:		Tania Babu	Due Date:

Project Name:		Gold Coast 26 Federal SWD #1		Turn Around		ANALYSIS REQUEST													Work Order Notes							
Project Number:				Routine <input checked="" type="checkbox"/>																						
P.O. Number:				Rush:																						
Sampler's Name:		Tania Babu		Due Date:																						
SAMPLE RECEIPT				Temp Blank:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Wet Ice:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																
Temperature (°C):				27.73								Thermometer ID														
Received Intract:				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>																						
Cooler Custody Seals:				Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		Correction Factor:																				
Sample Custody Seals:				Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		Total Containers:																				
Sample Identification				Matrix		Date Sampled		Time Sampled		Depth		Number of Containers														
SB-5 @ 0-1'				SS		6/23/2020		1240		0-1'		1														
SB-5 @ 2-3'				SS		6/23/2020		1245		2-3'		1														
SB-5 @ 4-5'				SS		6/23/2020		1250		4-5'		1														
SB-5 @ 6-7'				SS		6/23/2020		1255		6-7'		1														
SB-5 @ 8-9'				SS		6/23/2020		1300		8-9'		1														
SB-5 @ 14-15'				SS		6/23/2020		1305		14-15'		1														
SB-5 @ 19-20'				SS		6/23/2020		1310		19-20'		1														
SB-6 @ 0-1'				SS		6/23/2020		1100		0-1'		1														
SB-6 @ 2-3'				SS		6/23/2020		1105		2-3'		1														
SB-6 @ 4-5'				SS		6/23/2020		1110		4-5'		1														
												TPH (8015)														
												BTEX (8021)														
												Chlorides (E300)														

Total 200.7 / 6010 200.8 / 6020:

Circle Method(s) and Metal(s) to be analyzed

8RCRA 13PPM Texas 11

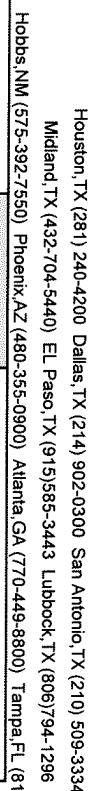
Al Sb As Ba Be B Cd Ca Cr Co Cu Pb Mn Mo Ni Se Ag Ti U

1631 / 245.1 / 7470 / 7471 : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time

Revised Date 05/14/18 Rev. 2018.1



Chain of Custody

Work Order No:

105050

Project Manager:	Jared Stoffel	Bill to: (if different)	Ike Tavarez
Company Name:	TRC	Company Name:	COG
Address:	10 Desta Dr. STE 150 E	Address:	
City, State ZIP:	Midland, TX 79705	City, State ZIP:	
Phone:	(432) 238-3003	Email:	Ike, Jared, Tania, Grubbs

Work Order Comments
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/> State of Project: Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRP <input type="checkbox"/> Level IV <input type="checkbox"/> Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:



Project Name:	Gold Coast 26 Federal SWD #1	Turn Around	
Project Number:		Routine	<input checked="" type="checkbox"/>
P.O. Number:		Rush:	
Sampler's Name:	Tania Babu	Due Date:	

SAMPLE RECEIPT			
Temperature (°C):	Temp Blank: <u>27.8.5</u>	Yes <input type="radio"/> No <input checked="" type="radio"/>	Wet Ice: Yes <input type="radio"/> No <input type="radio"/>
Received tract:	Yes <input type="radio"/> No <input type="radio"/>	Thermometer ID	
Cooler Custody Seals:	Yes <input type="radio"/> No <input type="radio"/>	Correction Factor:	
Sample Custody Seals:	Yes <input type="radio"/> No <input type="radio"/> N/A <input type="radio"/>	Total Containers:	

ANALYSIS REQUEST									Work Order Notes
Number of Containers									TAT starts the day received by the lab, if received by 4:30pm
(015)									
(8021)									
es (E300)									

[illegible][illegible]

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 \$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)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		2			
		4			
		6			



Chain of Custody

Work Order No:

10051069

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) 565-3443 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

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Project Manager:	Jared Stoffel	Bill to: (if different)	Ike Tavaraz
Company Name:	TRC	Company Name:	COG
Address:	10 Desta Dr. STE 150 E	Address:	
City, State ZIP:	Midland, TX 79705	City, State ZIP:	
Phone:	(432) 238-3003	Email:	Ike, Jared, Tania, Grubbs

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Gold Coast 26 Federal SWD #1	Turn Around	ANALYSIS REQUEST										Work Order Notes
Project Number:		Routine <input checked="" type="checkbox"/>											
P.O. Number:		Rush:											
Sampler's Name:	Tania Babu	Due Date:											

SAMPLE RECEIPT		Temp Blank:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Temperature (°C):	21.7	Thermometer ID			
Received Inact:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Correction Factor:			
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Total Containers:			

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (8015)	BTEX (8021)	Chlorides (E300)											Sample Comments
SB-8 @ 2-3'	SS	6/23/2020	1355	2-3'	1			X											
SB-8 @ 4-5'	SS	6/23/2020	1400	4-5'	1			X											
SB-8 @ 6-7'	SS	6/23/2020	1405	6-7'	1			X											
SB-8 @ 8-9'	SS	6/23/2020	1410	8-9'	1			V											
SB-9 @ 0-1'	SS	6/23/2020	1320	0-1'	1	X	X	X											
SB-9 @ 2-3'	SS	6/23/2020	1325	2-3'	1			X											
SB-9 @ 4-5'	SS	6/23/2020	1330	4-5'	1			X											
SB-9 @ 6-7'	SS	6/23/2020	1335	6-7'	1			X											
SB-9 @ 8-9'	SS	6/23/2020	1340	8-9'	1			V											
SB-10 @ 0-1'	SS	6/24/2020	0900	0-1'	1	X	X	X											

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

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1. <i>[Signature]</i>	<i>[Signature]</i>	2			
3. <i>[Signature]</i>		4			
5.		6			

Revised Date 051418 Rev. 2018.1



Chain of Custody

Work Order No:

105030

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)

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Page 6 of 8

Project Manager:	Jared Stoffel	Bill to: (if different)	Ike Tavaraz
Company Name:	TRC	Company Name:	COG
Address:	10 Desta Dr, STE 150 E	Address:	
City, State ZIP:	Midland, TX 79705	City, State ZIP:	
Phone:	(432) 238-3003	Email:	Ike, Jared, Tania, Grubbs

Work Order Comments			
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>			
State of Project:			
Reporting Level I <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>			
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:			

Project Name:		Gold Coast 26 Federal SWD #1				Turn Around		Work Order Notes TAT starts the day received by the lab, if received by 4:30pm
Project Number:						Routine <input checked="" type="checkbox"/>		
P.O. Number:						Rust <input checked="" type="checkbox"/> TB <input checked="" type="checkbox"/>		
Sampler's Name:		Tania Babu				Due Date:		
SAMPLE RECEIPT Temperature (°C): <u>27.5</u> Received intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cooler Custody Seals: Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Sample Custody Seals: Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		Temp Blank: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Wet Ice: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Thermometer ID		
Correction Factor: Total Containers: Number of Containers								
(015) (8021) es (E300)								

[illegible]

Total 200.7 / 6010 200.8 / 6020:

8RCRA 13PPM Texas



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 60

[illegible]

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1 			2		
3			4		
5			6		

Revised Date 051418 Rev. 2018.1



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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

Chain of Custody

Work Order No:

1010510699

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Project Manager:	Jared Stoffel	Bill to: (if different)	Ike Tavaroz
Company Name:	TRC	Company Name:	COG
Address:	10 Desta Dr. STE 150 E	Address:	
City, State ZIP:	Midland, TX 79705	City, State ZIP:	
Phone:	(432) 238-3003	Email:	Ike, Jared, Tania, Grubbs

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Gold Coast 26 Federal SWD #1	Turn Around		ANALYSIS REQUEST										Work Order Notes
Project Number:		Routine <input checked="" type="checkbox"/>												
P.O. Number:		Rush:												
Sampler's Name:	Tania Babu	Due Date:												

SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID	
Temperature (°C):	21.1						
Received In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:					
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Total Containers:					
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>						

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers										Sample Comments	
					TPH (8015)	BTEX (8021)	Chlorides (E300)									
SB-12 @ 4-5'	SS	6/24/2020	1010	4-5'	1		X									
SB-12 @ 6-7'	SS	6/24/2020	1015	6-7'	1			V								
SB-13 @ 0-1'	SS	6/24/2020	1025	0-1'	1	X	X	X								
SB-13 @ 2-3'	SS	6/24/2020	1030	2-3'	1			X								
SB-13 @ 4-5'	SS	6/24/2020	1035	4-5'	1			X								
SB-13 @ 6-7'	SS	6/24/2020	1040	6-7'	1			V								
SB-14 @ 0-1'	SS	6/24/2020	1050	0-1'	1	X	X	X								
SB-14 @ 2-3'	SS	6/24/2020	1055	2-3'	1			X								
SB-14 @ 4-5'	SS	6/24/2020	1100	4-5'	1			X								
SB-14 @ 6-7'	SS	6/24/2020	1105	6-7'	1			V								

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

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		2			
		4			
		6			



Chain of Custody

Work Order No:

1005089

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)

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Project Manager:	Jared Stoffel	Bill to: (if different)	Ike Tavaroz
Company Name:	TRC	Company Name:	COG
Address:	10 Desta Dr. STE 150 E	Address:	
City, State ZIP:	Midland, TX 79705	City, State ZIP:	
Phone:	(432) 238-3003	Email:	Ike, Jared, Tania, Grubbs

Program: <input type="checkbox"/> UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/> State of Project:	
Reporting Level II <input type="checkbox"/>	Level III <input type="checkbox"/>
PST/UST <input type="checkbox"/>	RRP <input type="checkbox"/>
Level IV <input type="checkbox"/>	Other: <input type="checkbox"/>
Deliverables: EDD <input type="checkbox"/>	ADAPT <input type="checkbox"/>

Project Name:	Gold Coast 26 Federal SWD #1	Turn Around	<input checked="" type="checkbox"/>	ANALYSIS REQUEST										Work Order Notes	
Project Number:		Routine	<input checked="" type="checkbox"/>											TAT starts the day received by the lab, if received by 4:30pm	
P.O. Number:		Rush:													
Sampler's Name:	Tania Babu	Due Date:													
SAMPLE RECEIPT			Temp Blank: <input checked="" type="checkbox"/>	Yes	No	Well Ice: <input checked="" type="checkbox"/>	Yes	No	Thermometer ID						
Temperature (°C):	21.7	Received In tact:	<input checked="" type="checkbox"/>	Yes	No	Correction Factor:							Sample Comments		
Cooler Custody Seals:	Yes	No	<input checked="" type="checkbox"/>												
Sample Custody Seals:	Yes	No	<input checked="" type="checkbox"/>												
Total Containers:															
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (8015)	BTEX (8021)	Chlorides (E300)							
SB-14 @ 8-9'	SS	6/24/2020	1110	8-9'	1			V							
SB-14 @ 14-15'	SS	6/24/2020	1115	14-15'	1			V							
SB-14 @ 19-20'	SS	6/24/2020	1120	19-20'	1			V							
SB-Road @ 0-1'	SS	6/24/2020	1130	0-1'	1	X	X	X							
SB-Road @ 2-3'	SS	6/24/2020	1135	2-3'	1			X							
SB-Road @ 4-5'	SS	6/24/2020	1140	4-5'	1			X							
SB-Road @ 6-7'	SS	6/24/2020	1145	6-7'	1			X							
SB-Road @ 8-9'	SS	6/24/2020	1150	8-9'	1			V							

Total 200.7 / 6010 200.8 / 6020:

Circle Method(s) and Metal(s) to be analyzed

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

1631 / 245.1 / 7470 / 7471 : Hg

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		2			
		4			
		6			

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: TRC Solutions, Inc

Date/ Time Received: 06.26.2020 11.03.00 AM

Work Order #: 665689

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

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 container/ 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 relinquished/ received?	Yes	
#10 Chain of Custody agrees with sample labels/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 headspace?	N/A	

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

Analyst:

PH Device/Lot#:

Checklist completed by:



Brianna Teel

Date: 06.26.2020

Checklist reviewed by:



Jessica Kramer

Date: 06.26.2020



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

A handwritten signature in black ink that reads "Jessica Kramer".

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

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

LINKS

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www.eurofinsus.com/Env

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.
Project/Site: COG- GoldCoast

Laboratory Job ID: 890-1011-1
SDG: Jal NM

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Definitions/Glossary

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

Job ID: 890-1011-1
SDG: Jal NM

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.
□	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.
Project/Site: COG- GoldCoast

Job ID: 890-1011-1
SDG: Jai 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.

Client Sample Results

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

Job ID: 890-1011-1
SDG: Jal NM

Client Sample ID: OVERBURDEN-1

Lab Sample ID: 890-1011-1

Date Collected: 07/27/21 11:05

Matrix: Solid

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	33.5		5.04		mg/Kg			07/28/21 16:44	1

Client Sample ID: OVERBURDEN-2

Lab Sample ID: 890-1011-2

Date Collected: 07/27/21 11:15

Matrix: Solid

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	9.65		5.02		mg/Kg			07/28/21 16:49	1

Client Sample ID: OVERBURDEN-3

Lab Sample ID: 890-1011-3

Date Collected: 07/27/21 11:25

Matrix: Solid

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	28.3		4.96		mg/Kg			07/28/21 16:55	1

Client Sample ID: OVERBURDEN-4

Lab Sample ID: 890-1011-4

Date Collected: 07/27/21 11:35

Matrix: Solid

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	<5.00	U	5.00		mg/Kg			07/28/21 17:00	1

QC Sample Results

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/28/21 15:27	1

Lab Sample ID: LCS 880-5693/2-A

Matrix: Solid

Analysis Batch: 5763

Client Sample ID: Lab Control Sample

Prep Type: Soluble

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

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

Matrix: Solid

Analysis Batch: 5763

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	258.2		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 890-1011-4 MS

Matrix: Solid

Analysis Batch: 5763

Client Sample ID: OVERBURDEN-4

Prep Type: Soluble

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

Lab Sample ID: 890-1011-4 MSD

Matrix: Solid

Analysis Batch: 5763

Client Sample ID: OVERBURDEN-4

Prep Type: Soluble

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

Eurofins Xenco, Carlsbad

QC Association Summary

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

Job ID: 890-1011-1
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

Lab Chronicle

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

Job ID: 890-1011-1
SDG: Jai NM

Client Sample ID: OVERBURDEN-1

Lab Sample ID: 890-1011-1

Date Collected: 07/27/21 11:05

Matrix: Solid

Date Received: 07/27/21 12:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 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

Date Collected: 07/27/21 11:15

Matrix: Solid

Date Received: 07/27/21 12:08

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	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

Matrix: Solid

Date Received: 07/27/21 12:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Matrix: Solid

Date Received: 07/27/21 12:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Accreditation/Certification Summary

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

Job ID: 890-1011-1
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

- 1
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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

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

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Arizona (480-355-0900)

CHAIN OF CUSTODY

Page 1 Of 1

Client / Reporting Information							Project Information						Analytical Methods	Analytical Information	Matrix Codes			
Company Name / Branch: TFC Environmental Corporation Company Address: 10 Delta Dr., Suite 130E Midland, TX 79705 Email: jstef@tfcenvironmental.com Phone No.: 432-215-8730 Project Contact: Jared Stofel Sampler's Name: Russell Seaberg							Project Name/Number: COG-GoldCoast Project Location: JAI NM Invoice To: COG-Ike Tavaraz Invoice:										W = Water S = Soil/Sediment GW = Groundwater DW = Drinking Water P = Product SW = Surface water SL = Sludge OW = Ocean/Sea Water WI = Waste O = Oil WW = Wastewater A = Air	
No.	Field ID / Point of Collection	Sample Depth	Date	Time	Matrix	# of bottles	HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MeOH	NONE	Chlorides	Field Comments		
1	OVERBUNDEN - 1	-	7.27.24	1105	S	1									/			
2	OVERTURNED - 2	-		1115	S	1									/			
3	OVERTURNED - 3	-		1125	S	1									/			
4	OVERTURNED - 4	-		1135	S	1									/			
5					S	1												
6					S	1												
7					S	1												
8					S	1												
9					S	1												
10					S	1												
Turnaround Time (Business days) _____ Data Deliverable Information _____ Notes: _____																		
<input checked="" type="checkbox"/> Same-Day FAX <input type="checkbox"/> 5 Day TAT <input type="checkbox"/> Level II Std QC <input type="checkbox"/> Level IV (Full Data PKg raw data)																		
<input type="checkbox"/> Next Day EMERGENCY <input type="checkbox"/> 7 Day TAT <input type="checkbox"/> Level III Std OC+ Forms <input type="checkbox"/> TRRP Level IV																		
<input type="checkbox"/> 2 Day EMERGENCY <input type="checkbox"/> Contract TAT <input type="checkbox"/> Level 3 (CLP Forms) <input type="checkbox"/> UST / RG 411																		
<input type="checkbox"/> 3 Day EMERGENCY <input type="checkbox"/> TRRP Checklist																		
TAT Starts Day received by Lab, if received by 5:00 pm FED-EX / UPS Tracking # _____																		
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY																		
Relinquished By: _____		Date Time: _____		Received By: _____		Date Time: _____		Relinquished By: _____		Date Time: _____		Received By: _____		On Ice Cooler Temp. Thermo Corr. Factor				
Relinquished By: _____		Date Time: _____		Received By: _____		Date Time: _____		Relinquished By: _____		Date Time: _____		Received By: _____		22.70 -6.2				
Relinquished By: _____		Date Time: _____		Received By: _____		Date Time: _____		Relinquished By: _____		Date Time: _____		Received By: _____						

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-1011-1

SDG Number: Jal NM

Login Number: 1011

List Number: 1

Creator: Clifton, Cloe

List Source: Eurofins Xenco, Carlsbad

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	

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-1011-1

SDG Number: Jal NM

Login Number: 1011

List Number: 2

Creator: Lowe, Katie

List Source: Eurofins Xenco, Midland

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

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	



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

A handwritten signature in black ink that reads "Jessica Kramer".

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

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

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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.

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

Laboratory Job ID: 890-1012-1

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Definitions/Glossary

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

Job ID: 890-1012-1

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.
□	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.
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.

Client Sample Results

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

Job ID: 890-1012-1

Client Sample ID: FL-1 @4.5

Lab Sample ID: 890-1012-1

Date Collected: 07/27/21 10:00

Matrix: Solid

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	3380		24.8		mg/Kg			07/28/21 17:16	5

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

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

Client Sample ID: FL-3 @4.5

Lab Sample ID: 890-1012-3

Date Collected: 07/27/21 10:30

Matrix: Solid

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	4200		24.9		mg/Kg			07/28/21 17:38	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

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

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

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

QC Sample Results

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

Job ID: 890-1012-1

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/28/21 15:27	1

Lab Sample ID: LCS 880-5693/2-A

Matrix: Solid

Analysis Batch: 5763

Client Sample ID: Lab Control Sample

Prep Type: Soluble

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

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

Matrix: Solid

Analysis Batch: 5763

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	258.2		mg/Kg		103	90 - 110	0	20

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

Lab Chronicle

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

Job ID: 890-1012-1

Client Sample ID: FL-1 @4.5

Date Collected: 07/27/21 10:00

Date Received: 07/27/21 12:08

Lab Sample ID: 890-1012-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Date Collected: 07/27/21 10:15

Date Received: 07/27/21 12:08

Lab Sample ID: 890-1012-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Client Sample ID: FL-3 @4.5

Date Collected: 07/27/21 10:30

Date Received: 07/27/21 12:08

Lab Sample ID: 890-1012-3

Matrix: Solid

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

Client Sample ID: FL-4 @4.5

Date Collected: 07/27/21 10:45

Date Received: 07/27/21 12:08

Lab Sample ID: 890-1012-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Date Collected: 07/27/21 11:00

Date Received: 07/27/21 12:08

Lab Sample ID: 890-1012-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 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:

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

Job ID: 890-1012-1

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

- 1
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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

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: 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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Xenco Quote

Xenco Job #

Arizona (480-355-0900)

CHAIN OF CUSTODY

Page 1 Of 1

Client / Reporting Information				Project Information				Analytical Information				Matrix Codes			
Company Name / Branch: TRC Environmental Corporation				Project Name/Number: COG-GoldCoast											
Company Address: 10 Delta Dr. Suite 130E Midland, TX 79705				Project Location: J41 NM											
Email: info@trccorporation.com ike.tavarez@conocophillips.com				Phone No.: 432-215-6730				Invoice To: COG-Ike Tavaraz							
Project Contact: Jared Stoffel				Invoice:											
Sampler's Name: Russell Sebring															

No.	Field ID / Point of Collection	Collection			Matrix Codes of Interest										Field Comments				
		Sample Depth	Date	Time	Matrix	# of bottles	HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MeOH	NONE					
1	FL-1 @ 4.5'	4.5'	7/27/12	1000	S	1													
2	FL-2 @ 4.5'	4.5'		1015	S	1													
3	FL-3 @ 4.5'	4.5'		1030	S	1													
4	FL-4 @ 4.5'	4.5'		1045	S	1													
5	FL-5 @ 4.5'	4.5'		1100	S	1													
6					S	1													
7					S	1													
8					S	1													
9					S	1													
10					S	1													

Turnaround Time (Business days)		Data Deliverable Information		Notes:	
<input checked="" type="checkbox"/> Same Day	24 Hrs	<input type="checkbox"/> 5 Day TAT	<input type="checkbox"/> Level II Std QC	<input type="checkbox"/> Level IV (Full Data Pkg (raw data))	
<input type="checkbox"/> Next Day EMERGENCY	<input type="checkbox"/> 7 Day TAT	<input type="checkbox"/> Level III Std QC+ Forms	<input type="checkbox"/> TRRP Level IV		
<input type="checkbox"/> 2 Day EMERGENCY	<input type="checkbox"/> Contract TAT	<input type="checkbox"/> Level 3 (CLP Forms)	<input type="checkbox"/> UST / RG -411		
<input type="checkbox"/> 3 Day EMERGENCY		<input type="checkbox"/> TRRP Checklist			

TAT Starts Day received by Lab, if received by 5:00 pm				FED-EX / UPS: Tracking #																									
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="4">SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLE IS CHANGE POSSESSION, INCLUDING GOVERN PROPERTY</th> </tr> <tr> <td>Relinquished By: <i>[Signature]</i></td> <td>Date Time: 7/27/12 12:08</td> <td>Received By: <i>[Signature]</i></td> <td>Date Time: 7/27/12 12:08</td> </tr> <tr> <td>Relinquished By:</td> <td>Date Time:</td> <td>Received By:</td> <td>Date Time:</td> </tr> </table>				SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLE IS CHANGE POSSESSION, INCLUDING GOVERN PROPERTY				Relinquished By: <i>[Signature]</i>	Date Time: 7/27/12 12:08	Received By: <i>[Signature]</i>	Date Time: 7/27/12 12:08	Relinquished By:	Date Time:	Received By:	Date Time:	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Custody Seal #</td> <td>Preserved where applicable</td> <td>On Ice</td> <td>Cooler Temp.</td> <td>Thermo. Corr. Factor</td> </tr> <tr> <td>3</td> <td></td> <td></td> <td>22/10-0.2</td> <td></td> </tr> </table>				Custody Seal #	Preserved where applicable	On Ice	Cooler Temp.	Thermo. Corr. Factor	3			22/10-0.2	
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLE IS CHANGE POSSESSION, INCLUDING GOVERN PROPERTY																													
Relinquished By: <i>[Signature]</i>	Date Time: 7/27/12 12:08	Received By: <i>[Signature]</i>	Date Time: 7/27/12 12:08																										
Relinquished By:	Date Time:	Received By:	Date Time:																										
Custody Seal #	Preserved where applicable	On Ice	Cooler Temp.	Thermo. Corr. Factor																									
3			22/10-0.2																										

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 <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-1012-1

Login Number: 1012

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	
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	



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

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
7/28/2021 9:03:35 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

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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.

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

Laboratory Job ID: 890-1013-1
SDG: Jal NM

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Definitions/Glossary

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

Job ID: 890-1013-1
SDG: Jal NM

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.
□	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.
Project/Site: COG- GoldCoast

Job ID: 890-1013-1
SDG: Jai 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.

Client Sample Results

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

Job ID: 890-1013-1
SDG: Jal NM

Client Sample ID: SW-2A

Lab Sample ID: 890-1013-1

Date Collected: 07/27/21 09:15

Matrix: Solid

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	18.4		5.04		mg/Kg			07/28/21 17:55	1

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

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.86		5.04		mg/Kg			07/28/21 18:00	1

Client Sample ID: SW-7

Lab Sample ID: 890-1013-3

Date Collected: 07/26/21 10:00

Matrix: Solid

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	13.7		5.05		mg/Kg			07/28/21 18:06	1

Client Sample ID: SW-8B

Lab Sample ID: 890-1013-4

Date Collected: 07/26/21 10:20

Matrix: Solid

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	26.8		5.04		mg/Kg			07/28/21 16:21	1

Client Sample ID: SW-5A

Lab Sample ID: 890-1013-5

Date Collected: 07/26/21 10:40

Matrix: Solid

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	130		4.97		mg/Kg			07/28/21 16:26	1

Client Sample ID: SW-10

Lab Sample ID: 890-1013-7

Date Collected: 07/26/21 13:30

Matrix: Solid

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	18.7		4.96		mg/Kg			07/28/21 16:32	1

Client Sample ID: SW-4

Lab Sample ID: 890-1013-8

Date Collected: 07/26/21 11:40

Matrix: Solid

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	11.2		5.01		mg/Kg			07/28/21 16:37	1

Eurofins Xenco, Carlsbad

QC Sample Results

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

Job ID: 890-1013-1
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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/28/21 15:27	1

Lab Sample ID: LCS 880-5693/2-A

Matrix: Solid

Analysis Batch: 5763

Client Sample ID: Lab Control Sample

Prep Type: Soluble

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

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

Matrix: Solid

Analysis Batch: 5763

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	258.2		mg/Kg		103	90 - 110	0	20

Lab Sample ID: MB 880-5753/1-A

Matrix: Solid

Analysis Batch: 5764

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/28/21 15:06	1

Lab Sample ID: LCS 880-5753/2-A

Matrix: Solid

Analysis Batch: 5764

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	246.4		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-5753/3-A

Matrix: Solid

Analysis Batch: 5764

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	246.6		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 890-1013-8 MS

Matrix: Solid

Analysis Batch: 5764

Client Sample ID: SW-4

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	11.2		251	248.5		mg/Kg		95	90 - 110

Lab Sample ID: 890-1013-8 MSD

Matrix: Solid

Analysis Batch: 5764

Client Sample ID: SW-4

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	11.2		251	248.9		mg/Kg		95	90 - 110	0	20

Eurofins Xenco, Carlsbad

QC Association Summary

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

Job ID: 890-1013-1
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	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

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	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

Lab Chronicle

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

Job ID: 890-1013-1
SDG: Jai NM

Client Sample ID: SW-2A

Date Collected: 07/27/21 09:15

Date Received: 07/27/21 12:08

Lab Sample ID: 890-1013-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 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

Date Collected: 07/27/21 09:30

Date Received: 07/27/21 12:08

Lab Sample ID: 890-1013-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 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

Date Collected: 07/26/21 10:00

Date Received: 07/27/21 12:08

Lab Sample ID: 890-1013-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 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

Date Received: 07/27/21 12:08

Lab Sample ID: 890-1013-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 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

Date Collected: 07/26/21 10:40

Date Received: 07/27/21 12:08

Lab Sample ID: 890-1013-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Date Collected: 07/26/21 13:30

Date Received: 07/27/21 12:08

Lab Sample ID: 890-1013-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Job ID: 890-1013-1
SDG: Jai NM

Client Sample ID: SW-4
Date Collected: 07/26/21 11:40
Date Received: 07/27/21 12:08

Lab Sample ID: 890-1013-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 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

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Accreditation/Certification Summary

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

Job ID: 890-1013-1
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: 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

Sample Summary

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

Job ID: 890-1013-1
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



Setting the Standard since 1990
 Stafford, Texas (281-240-4200)
 Dallas Texas (214-902-4300)

CHAIN OF CUSTODY

Page 1 Of 1

San Antonio, Texas (210-509-3334)
 Midland, Texas (432-704-5251)

WWW.XENCO.COM

Arizona (480-355-0900)

Xenco Quote #

Xenco Job #

Client / Reporting Information				Project Information				Analytical Information				Matrix Codes				
Company Name / Branch: TRC Environmental Corporation				Project Name/Number: COG-GoldCoast												
Company Address: 10 Delta Dr, Suite 130E Midland, TX 79705				Project Location: Jai NM												
Email: trc@trcenv.com ike.lavarez@conocophillips.com				Phone No: 432-215-6730												
Project Contact: Jared Stoffel				Invoice To: COG-like Tavaraz												
Sampler's Name: Russell Sebring				Invoice:												
No.	Field ID / Point of Collection	Sample Depth	Date	Time	Matrix	# of bottles	HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	Chlorides	
1	SW-2A	-	7.7.21	9:15	S	1										
2	SW-6A	-	7.7.21	9:30	S	1										
3	SW-7		7.26.21	10:00	S	1										
4	SW-8B		7.26.21	10:20	S	1										
5	SW-5A		7.26.21	10:40	S	1										
6	SW-5B		7.26.21	10:50	S	1										
7	SW-10		7.26.21	11:30	S	1										
8	SW-4		7.23.21	11:40	S	1										
9					S	1										
10					S	1										
Turnaround Time (Business days)																
<input checked="" type="checkbox"/> Same Day TAT 24 HR <input type="checkbox"/> 6 Day TAT <input type="checkbox"/> Level II Std QC <input type="checkbox"/> Level IV (Full Data Pkg raw data) <input type="checkbox"/> Next Day EMERGENCY <input type="checkbox"/> 7 Day TAT <input type="checkbox"/> Level III Std QC + Forms <input type="checkbox"/> TRRP Level IV <input type="checkbox"/> 2 Day EMERGENCY <input type="checkbox"/> Contract TAT <input type="checkbox"/> Level 3 (CLP Forms) <input type="checkbox"/> UST / RG -411 <input type="checkbox"/> 3 Day EMERGENCY <input type="checkbox"/> TRRP Checklist																
TAT Starts Day received by Lab, if received by 5:00 pm																
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING CORNER DELIVERY																
Relinquished by Sampler				Received By:				Relinquished By:				Date Time:				
1 Relinquished by: [Signature]				7/27/21 12:08 PM				2 Relinquished By: [Signature]				Date Time:				
3 Relinquished by:				Received By:				Relinquished By:				Date Time:				
4 Relinquished by:				Received By:				Relinquished By:				Date Time:				
5 Relinquished by:				Received By:				Relinquished By:				Date Time:				
Custody Seal #				Preserved where applicable												
On Ice				Cooler Temp.				Thermo Corr. Factor								
27.20-0.2																

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 \$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 enforced unless previously negotiated under a fully executed client contract.

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-1013-1

SDG Number: Jal NM

Login Number: 1013

List Number: 1

Creator: Clifton, Cloe

List Source: Eurofins Xenco, Carlsbad

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	

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-1013-1

SDG Number: Jal NM

Login Number: 1013

List Number: 2

Creator: Lowe, Katie

List Source: Eurofins Xenco, Midland

List Creation: 07/28/21 10:57 AM

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	



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

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
8/2/2021 10:27:25 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.

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

Laboratory Job ID: 890-1026-1
SDG: Jal NM

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Definitions/Glossary

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

Job ID: 890-1026-1
SDG: Jal NM

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.
□	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.
Project/Site: COG - GoldCoast

Job ID: 890-1026-1
SDG: Jai 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 Sample Results

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

Date Collected: 07/28/21 11:00

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
Chloride	60.3		4.95		mg/Kg			07/30/21 20:28	1

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

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	66.4		5.03		mg/Kg			07/30/21 20:33	1

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

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.2		5.04		mg/Kg			07/30/21 20:39	1

Client Sample ID: SW-16

Lab Sample ID: 890-1026-4

Date Collected: 07/28/21 14:30

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
Chloride	7.58		5.05		mg/Kg			07/30/21 20:55	1

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

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.62		5.01		mg/Kg			07/30/21 21:01	1

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
Chloride	57.1		5.02		mg/Kg			07/30/21 21:06	1

Client Sample ID: SW-9

Lab Sample ID: 890-1026-7

Date Collected: 07/27/21 14:45

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
Chloride	16.7		5.01		mg/Kg			07/30/21 21:12	1

Eurofins Xenco, Carlsbad

Client Sample Results

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

Job ID: 890-1026-1
SDG: Jal NM

Client Sample ID: SW-11

Lab Sample ID: 890-1026-8

Date Collected: 07/27/21 14:30

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
Chloride	36.6		4.99		mg/Kg			07/30/21 21:17	1

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

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97		mg/Kg			07/30/21 21:23	1

QC Sample Results

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

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

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/30/21 19:49	1

Lab Sample ID: LCS 880-5893/2-A

Matrix: Solid

Analysis Batch: 5906

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	261.9		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-5893/3-A

Matrix: Solid

Analysis Batch: 5906

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	261.3		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 890-1026-9 MS

Matrix: Solid

Analysis Batch: 5906

Client Sample ID: SW-12

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	<4.97	U	249	270.6		mg/Kg		108	90 - 110

Lab Sample ID: 890-1026-9 MSD

Matrix: Solid

Analysis Batch: 5906

Client Sample ID: SW-12

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	<4.97	U	249	270.8		mg/Kg		108	90 - 110	0	20

Eurofins Xenco, Carlsbad

QC Association Summary

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

Job ID: 890-1026-1
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

Lab Chronicle

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

Job ID: 890-1026-1
SDG: Jai NM

Client Sample ID: SW-13

Lab Sample ID: 890-1026-1

Date Collected: 07/28/21 11:00

Matrix: Solid

Date Received: 07/29/21 13:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	5893	07/30/21 14:08	CH	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

Matrix: Solid

Date Received: 07/29/21 13:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	5893	07/30/21 14:08	CH	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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 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

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	5893	07/30/21 14:08	CH	XEN MID
Soluble	Analysis	300.0		1			5906	07/30/21 21:06	CH	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

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

Job ID: 890-1026-1
SDG: Jai NM

Client Sample ID: SW-9

Date Collected: 07/27/21 14:45

Date Received: 07/29/21 13:28

Lab Sample ID: 890-1026-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 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

Date Collected: 07/27/21 14:30

Date Received: 07/29/21 13:28

Lab Sample ID: 890-1026-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	5893	07/30/21 14:08	CH	XEN MID
Soluble	Analysis	300.0		1			5906	07/30/21 21:17	CH	XEN MID

Client Sample ID: SW-12

Date Collected: 07/27/21 15:00

Date Received: 07/29/21 13:28

Lab Sample ID: 890-1026-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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.
Project/Site: COG - GoldCoast

Job ID: 890-1026-1
SDG: Jai 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: 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

Job ID: 890-1026-1
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



CHAIN OF CUSTODY

Page 1 Of 1

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Dallas Texas (214-902-0300)

**San Antonio, Texas (210-509-3334;
Midland, Texas (432-704-5251))**

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Xenco Quote #

Xenco Job #

Arizona (480-355-0900)

107-1

Client / Reporting Information				Project Information				Analytical Information				Analytical Information				Matrix Codes			
Company Name / Branch: TTC Environmental Corporation				Project Name/Number: COG-GoldCoast												W = Water S = Soil/Sed/Solid GW = Ground Water DW = Drinking Water P = Product SW = Surface water SL = Sludge OW = Ocean/Sea Water WI = Wipe O = Oil WW = Waste Water A = Air			
Company Address: 10 Dasta Dr. Suite 130E Midland, TX 79705				Project Location: JAI NM															
Email: info@ttrccompanies.com jlavarez@conocophillips.com				Phone No: 432-215-6730															
Project Contact: Jared Stoffel				Invoice To: COG-like Tavariez															
Sampler's Name: Russell Sabring				Invoice:															
No.	Field ID / Point of Collection	Sample Depth	Collection Date	Time	Matrix	# of bottles	HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	Chlorides	Field Comments			
1	SW-13	—	7-28-21	1100	S	1													
2	SW-14		7-28-21	1110	S	1													
3	SW-15		7-28-21	1115	S	1													
4	SW-16		7-28-21	1430	S	1													
5	SW-17		7-28-21	1445	S	1													
6	SW-23		7-29-21	1050	S	1													
7	SW-9	CKC	7-27-21	1445	S	1													
8	SW-11	7-29-21	7-27-21	1430	S	1													
9	SW-12		7-27-21	1500	S	1													
10					S	1													
Turnaround Time (Business days)				Data Deliverable Information				Notes:											
<input checked="" type="checkbox"/> Same Day TAT				<input type="checkbox"/> 5 Day TAT				<input type="checkbox"/> Level II Std QC				<input type="checkbox"/> Level IV (Full Data Pkg /raw data)							
<input type="checkbox"/> Next Day EMERGENCY				<input type="checkbox"/> 7 Day TAT				<input type="checkbox"/> Level III Std QC+ Forms				<input type="checkbox"/> TRRP Level IV							
<input type="checkbox"/> 2 Day EMERGENCY				<input type="checkbox"/> Contract TAT				<input type="checkbox"/> Level 3 (CLP Forms)				<input type="checkbox"/> UST / RG 411							
<input type="checkbox"/> 3 Day EMERGENCY								<input type="checkbox"/> TRRP Checklist											
TAT Starts Day received by Lab, if received by 5:00 pm																			
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY																			
Relinquished by Sampler:		Date Time:		Received By:		Date Time:		Relinquished By:		Date Time:		Received By:		Date Time:					
Relinquished by:		7-29-21/1200		10		7-29-21		12:00		2		4		4					
Relinquished by:		Date Time:		Received By:		Date Time:		Relinquished By:		Date Time:		Received By:		Date Time:					
Relinquished by:		7-29-21/1200		3		7-29-21		12:00		2		4		4					
Relinquished by:		Date Time:		Received By:		Date Time:		Relinquished By:		Date Time:		Received By:		Date Time:					
Relinquished by:		7-29-21/1200		3		7-29-21		12:00		2		4		4					
Relinquished by:		Date Time:		Received By:		Date Time:		Relinquished By:		Date Time:		Received By:		Date Time:					
Relinquished by:		7-29-21/1200		3		7-29-21		12:00		2		4		4					
Relinquished by:		Date Time:		Received By:		Date Time:		Relinquished By:		Date Time:		Received By:		Date Time:					
Relinquished by:		7-29-21/1200		3		7-29-21		12:00		2		4		4					
Relinquished by:		Date Time:		Received By:		Date Time:		Relinquished By:		Date Time:		Received By:		Date Time:					
Relinquished by:		7-29-21/1200		3		7-29-21		12:00		2		4		4					
Relinquished by:		Date Time:		Received By:		Date Time:		Relinquished By:		Date Time:		Received By:		Date Time:					
Relinquished by:		7-29-21/1200		3		7-29-21		12:00		2		4		4					
Relinquished by:		Date Time:		Received By:		Date Time:		Relinquished By:		Date Time:		Received By:		Date Time:					
Relinquished by:		7-29-21/1200		3		7-29-21		12:00		2		4		4					
Relinquished by:		Date Time:		Received By:		Date Time:		Relinquished By:		Date Time:		Received By:		Date Time:					
Relinquished by:		7-29-21/1200		3		7-29-21		12:00		2		4		4					
Relinquished by:		Date Time:		Received By:		Date Time:		Relinquished By:		Date Time:		Received By:		Date Time:					
Relinquished by:		7-29-21/1200		3		7-29-21		12:00		2		4		4					
Relinquished by:		Date Time:		Received By:		Date Time:		Relinquished By:		Date Time:		Received By:		Date Time:					
Relinquished by:		7-29-21/1200		3		7-29-21		12:00		2		4		4					
Relinquished by:		Date Time:		Received By:		Date Time													

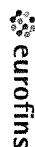
Eurofins Xenco, Carlsbad

1089 N Canal St.

Carlsbad NM 88220

Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record



Environment Testing America

Client Information (Sub Contract Lab)		Sampler		Lab PM		Carrier Tracking (Not's)		COC No			
Client Contact:		Phone:		Kramer Jessica		State of Origin		890-326 1			
Shipping/Receiving		E-Mail:		jessica.kramer@eurofinset.com		New Mexico		Page 1 of 1			
Company		Eurofins Xenco		Accreditations Required (See note)		NELAP - Texas		Job #			
Address		1211 W Florida Ave.		Due Date Requested		7/30/2021		890-1026-1			
City		Midland		TAT Requested (days)		7/30/2021		Preservation Codes:			
State Zip:		TX, 79701		PO #:		432-704-5440 (Tel)		A HCL			
Email:		WD #:		Project #:		89000036		B NaOH			
Project Name		COG- Goldcoast		SSOW#:		8015MOD_NM/8015NM_S_Prep Full TPH		C Zn Acetate			
Site		SSOW#:		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		D Nitric Acid			
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=Comp, G=Grab)		Matrix (W=Water, S=solid, O=wastewater, BT=tissue, A=air)		E NaHSO4	
SW-13 (890-1026-1)		7/28/21		11 00		Mountain		Solid		F - MeOH	
SW-14 (890-1026-2)		7/28/21		11 10		Mountain		Solid		G - Amchlor	
SW-15 (890-1026-3)		7/28/21		11 15		Mountain		Solid		H Ascorbic Acid	
SW-16 (890-1026-4)		7/28/21		14 30		Mountain		Solid		I - Ice	
SW-17 (890-1026-5)		7/28/21		14 45		Mountain		Solid		J DI Water	
SW-23 (890-1026-6)		7/29/21		10 50		Mountain		Solid		K EDTA	
SW-9 (890-1026-7)		7/27/21		14 45		Mountain		Solid		L EPA	
SW-11 (890-1026-8)		7/27/21		14 30		Mountain		Solid		Other	
SW-12 (890-1026-9)		7/27/21		15 00		Mountain		Solid		Total Number of containers	
										Special Instructions/Note:	
										SW-13 (890-1026-1)	
										SW-14 (890-1026-2)	
										SW-15 (890-1026-3)	
										SW-16 (890-1026-4)	
										SW-17 (890-1026-5)	
										SW-23 (890-1026-6)	
										SW-9 (890-1026-7)	
										SW-11 (890-1026-8)	
										SW-12 (890-1026-9)	
										SW-13 (890-1026-1)	
										SW-14 (890-1026-2)	
										SW-15 (890-1026-3)	
										SW-16 (890-1026-4)	
										SW-17 (890-1026-5)	
										SW-23 (890-1026-6)	
										SW-9 (890-1026-7)	
										SW-11 (890-1026-8)	
										SW-12 (890-1026-9)	
										SW-13 (890-1026-1)	
										SW-14 (890-1026-2)	
										SW-15 (890-1026-3)	
										SW-16 (890-1026-4)	
										SW-17 (890-1026-5)	
										SW-23 (890-1026-6)	
										SW-9 (890-1026-7)	
										SW-11 (890-1026-8)	
										SW-12 (890-1026-9)	
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										SW-11 (890-1026-8)	
										SW-12 (890-1026-9)	
										SW-13 (890-1026-1)	
										SW-14 (890-1026-2)	
										SW-15 (890-1026-3)	
										SW-16 (890-1026-4)	

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Eurofins Xenco, Carlsbad

1089 N Canal St.
Carlsbad, NM 88220
Phone 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Environment Testing
America

Client Information (Sub Contract Lab)		Sampler	Lab PM	Carrier Tracking No(s)	COC No
Client Contact:	Phone:	Kramer, Jessica	State of Origin:	New Mexico	890-325 1
Shipping/Receiving	Company:	Jessica Kramer@eurofins.com	Accreditations Required (See note):	NELAP - Texas	Job #: 890-1026-1
Eurofins Xenco	Address:	1211 W Florida Ave	Due Date Requested:	7/30/2021	TAI Requested (days)
City:	State, Zip:	TX, 79701	Phone:	432-704-5440(Tel)	PO #:
Email:	Project Name:	COG- Goldcoast	Project #:	89000036	SSOW#:
Site:	Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (G=comp, G=grab)	Matrix (W=water, S=solid, O=organic, BT=biological, A=air)
SW-13 (890-1026-1)	7/28/21	11 00	Mountain	Solid	
SW-14 (890-1026-2)	7/28/21	11 10	Mountain	Solid	
SW-15 (890-1026-3)	7/28/21	11 15	Mountain	Solid	
SW-16 (890-1026-4)	7/28/21	14 30	Mountain	Solid	
SW-17 (890-1026-5)	7/28/21	14 45	Mountain	Solid	
SW-23 (890-1026-6)	7/29/21	10 50	Mountain	Solid	
Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 8015MOD_NM/8015NM_S_Prep Full TPH					
Analysis Requested					
Special Instructions/Note:					
Total Number of containers					
Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Ammonia H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4.5 Z - other (specify)					
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months					
Unconfirmed Deliverable Requested I, II, III, IV Other (specify) _____ Primary Deliverable Rank 2 _____					
Empty Kit Relinquished by _____ Date _____ Time _____ Method of Shipment: _____					
Relinquished by Cive Cuy 7-29-21 Date/Time _____ Company _____					
Relinquished by _____ Date/Time _____ Company _____					
Custody Seals Intact: _____ Custody Seal No. _____ Cooler Temperature(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 Number: 1

Creator: Clifton, Cloe

List Source: Eurofins Xenco, Carlsbad

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	

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-1026-1

SDG Number: Jal NM

Login Number: 1026

List Number: 2

Creator: Kramer, Jessica

List Source: Eurofins Xenco, Midland

List Creation: 07/30/21 10:49 AM

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	



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

A handwritten signature in black ink that reads "Jessica Kramer".

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.

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

Laboratory Job ID: 890-1027-1

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Definitions/Glossary

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

Job ID: 890-1027-1

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.
□	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.
Project/Site: COG-GoldCoast

Job ID: 890-1027-1

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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Client Sample Results

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

Job ID: 890-1027-1

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	1

Client Sample ID: FL-7@ 4.5

Lab Sample ID: 890-1027-2

Date Collected: 07/28/21 11:45

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	710		4.95		mg/Kg			07/30/21 16:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.6		4.96		mg/Kg			07/30/21 17:02	1

Client Sample ID: OVERBURDEN-6

Lab Sample ID: 890-1027-4

Date Collected: 07/29/21 08:05

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	38.8		5.04		mg/Kg			07/30/21 17:08	1

Client Sample ID: OVERBURDEN-7

Lab Sample ID: 890-1027-5

Date Collected: 07/29/21 08:10

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	57.4		4.98		mg/Kg			07/30/21 17:13	1

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
Chloride	77.9		5.00		mg/Kg			07/30/21 17:30	1

Client Sample ID: OVERBURDEN-9

Lab Sample ID: 890-1027-7

Date Collected: 07/29/21 08:20

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	<4.96	U	4.96		mg/Kg			07/30/21 17:35	1

Eurofins Xenco, Carlsbad

Client Sample Results

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

Job ID: 890-1027-1

Client Sample ID: OVERBURDEN-10

Lab Sample ID: 890-1027-8

Date Collected: 07/29/21 08:30

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	34.9		4.95		mg/Kg			07/30/21 17:41	1

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	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.0		5.02		mg/Kg			07/30/21 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	144		5.05		mg/Kg			07/30/21 17:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	85.6		4.95		mg/Kg			07/30/21 17:58	1

Client Sample ID: OVERBURDEN-14

Lab Sample ID: 890-1027-12

Date Collected: 07/29/21 08:55

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	261		5.01		mg/Kg			07/30/21 18:14	1

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

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.0		5.00		mg/Kg			07/30/21 18:20	1

Eurofins Xenco, Carlsbad

QC Sample Results

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

Job ID: 890-1027-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-5876/1-A

Matrix: Solid

Analysis Batch: 5887

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/30/21 15:28	1

Lab Sample ID: LCS 880-5876/2-A

Matrix: Solid

Analysis Batch: 5887

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	261.4		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-5876/3-A

Matrix: Solid

Analysis Batch: 5887

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	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

Client Sample ID: FL-6@ 4.5

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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

Client Sample ID: FL-6@ 4.5

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	5.81		252	264.9		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 890-1027-11 MS

Matrix: Solid

Analysis Batch: 5887

Client Sample ID: OVERBURDEN-13

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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

Client Sample ID: OVERBURDEN-13

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	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.
Project/Site: COG-GoldCoast

Job ID: 890-1027-1

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
890-1027-1	FL-6@ 4.5	Soluble	Solid	300.0	5876
890-1027-2	FL-7@ 4.5	Soluble	Solid	300.0	5876
890-1027-3	OVERBURDEN-5	Soluble	Solid	300.0	5876
890-1027-4	OVERBURDEN-6	Soluble	Solid	300.0	5876
890-1027-5	OVERBURDEN-7	Soluble	Solid	300.0	5876
890-1027-6	OVERBURDEN-8	Soluble	Solid	300.0	5876
890-1027-7	OVERBURDEN-9	Soluble	Solid	300.0	5876
890-1027-8	OVERBURDEN-10	Soluble	Solid	300.0	5876
890-1027-9	OVERBURDEN-11	Soluble	Solid	300.0	5876
890-1027-10	OVERBURDEN-12	Soluble	Solid	300.0	5876
890-1027-11	OVERBURDEN-13	Soluble	Solid	300.0	5876
890-1027-12	OVERBURDEN-14	Soluble	Solid	300.0	5876
890-1027-13	OVERBURDEN-15	Soluble	Solid	300.0	5876
MB 880-5876/1-A	Method Blank	Soluble	Solid	300.0	5876
LCS 880-5876/2-A	Lab Control Sample	Soluble	Solid	300.0	5876
LCSD 880-5876/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	5876
890-1027-1 MS	FL-6@ 4.5	Soluble	Solid	300.0	5876
890-1027-1 MSD	FL-6@ 4.5	Soluble	Solid	300.0	5876
890-1027-11 MS	OVERBURDEN-13	Soluble	Solid	300.0	5876
890-1027-11 MSD	OVERBURDEN-13	Soluble	Solid	300.0	5876

Eurofins Xenco, Carlsbad

Lab Chronicle

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

Job ID: 890-1027-1

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 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

Date Collected: 07/28/21 11:45

Matrix: Solid

Date Received: 07/29/21 13:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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 17:02	SC	XEN MID

Client Sample ID: OVERBURDEN-6

Lab Sample ID: 890-1027-4

Date Collected: 07/29/21 08:05

Matrix: Solid

Date Received: 07/29/21 13:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 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

Matrix: Solid

Date Received: 07/29/21 13:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Lab Chronicle

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

Job ID: 890-1027-1

Client Sample ID: OVERBURDEN-9

Lab Sample ID: 890-1027-7

Date Collected: 07/29/21 08:20

Matrix: Solid

Date Received: 07/29/21 13:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Lab Sample ID: 890-1027-8

Date Collected: 07/29/21 08:30

Matrix: Solid

Date Received: 07/29/21 13:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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 17:41	SC	XEN MID

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

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	5876	07/30/21 13:00	CH	XEN MID
Soluble	Analysis	300.0		1			5887	07/30/21 17:47	SC	XEN MID

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 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

Lab Sample ID: 890-1027-11

Date Collected: 07/29/21 08:50

Matrix: Solid

Date Received: 07/29/21 13:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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 Sample ID: OVERBURDEN-14

Lab Sample ID: 890-1027-12

Date Collected: 07/29/21 08:55

Matrix: Solid

Date Received: 07/29/21 13:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 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.
Project/Site: COG-GoldCoast

Job ID: 890-1027-1

Client Sample ID: OVERBURDEN-15
Date Collected: 07/29/21 09:00
Date Received: 07/29/21 13:36

Lab Sample ID: 890-1027-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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.
Project/Site: COG-GoldCoast

Job ID: 890-1027-1

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: 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

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: 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
890-1027-8	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
890-1027-10	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



Setting the Standard since 1990
Stafford, Texas (281-240-4200)
Dallas Texas (214-902-0300)

**San Antonio, Texas (210-509-3334,
Midland, Texas (432-704-5251)**

Arizona (480-355-0900)

CHAIN OF CUSTODY

Page 1 Of 1

Client / Reporting Information			Project Information			Analytical Information		Matrix Codes								
Company Name / Branch: TRC Environmental Corporation			Project Name/Number: COG-GoldCoast					W = Water S = Soil/Sed/Solid GW = Ground Water DW = Drinking Water P = Product SW = Surface water SL = Sludge OW = Ocean/Sea Water WI = Wipe O = Oil WW = Waste Water A = Air								
Company Address: 10 Davis Dr. Suite 130E Midland, TX 79705			Project Location: Jal NM													
Email: rsb@trc.com info@trc.com			Phone No: 432-215-5730													
Project Contact: Jared Stofel			Invoice To: COG-like Tavaraz													
Samplers Name: Russell Seabring			Invoice:													
No.	Field ID / Point of Collection	Sample Depth	Date	Time	Matrix	# of bottles	HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MeOH	NONE	Chlorides	Field Comments
1	FL-6 @ 4.5'	4.5'	7/29/21	1130	S	1										
2	FL-7 @ 4.5'	4.5'	7/29/21	1145	S	1										
3	Overburden - 5	-	7/29/21	800	S	1										
4	Overburden - 6		7/29/21	805	S	1										
5	Overburden - 7		7/29/21	810	S	1										
6	Overburden - 8		7/29/21	815	S	1										
7	Overburden - 9		7/29/21	820	S	1										
8	Overburden - 10		7/29/21	830	S	1										
9	Overburden - 11		7/29/21	835	S	1										
10	Overburden - 12		7/29/21	840	S	1										
Turnaround Time (Business days)																
Same Day TAT			6 Day TAT			Level II Std QC			Level IV (Full Data Pkg /raw data)			Notes:				
Next Day EMERGENCY			7 Day TAT			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																
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING CORNER DELIVERY																
Retransmitted by Sampler:		Date Time:		Received By:		Date Time:		Retransmitted By:		Date Time:		Received By:				
Retransmitted by:		7/29/21		1145		7/29/21		12:00		7/29/21		12:00				
Retransmitted by:		Date Time:		Received By:		Date Time:		Retransmitted By:		Date Time:		Received By:				
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 Stafford, Texas (281-240-4200)
 Dallas Texas (214-902-0300)

San Antonio, Texas (210-509-3334)
 Midland, Texas (432-704-5251)

Arizona (480-355-0900)

Xenco Quote #

Xenco Job #

CHAIN OF CUSTODY

Page 2 of 2

Client / Reporting Information				Project Information				Analytical Information				Matrix Codes																																												
Company Name / Branch: TRC Environmental Corporation				Project Name/Number: COG-GoldCoast																																																				
Company Address: 10 Delta Dr. Suite 130E Midland, TX 79705				Project Location: JAI NM																																																				
Email: trc@trccompanies.com Phone No: 432-215-5720				Invoice To: COG-like Tavariz																																																				
Project Contact: Jared Stofel				Invoice:																																																				
Sampler's Name: Russell Steberg																																																								
No.	Field ID / Point of Collection	Sample Depth	Collection Date	Time	Matrix	# of bottles	HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MeOH	NONE	Chlorides	Field Comments																																								
1	Overburden - 13		7/21/11	8:50	S	1																																																		
2	Overburden - 14		7/21/11	9:00	S	1																																																		
3	Overburden - 15		7/21/11	9:00	S	1																																																		
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Data Deliverable Information				Notes:																																																				
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SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING CARRIER DELIVERY																																																								
Relinquished by Sample:		Date Time:	Received By:	Relinquished By:	Date Time:	Received By:	Custody Seal #	Preserved where applicable	On Ice	Cooler Temp.	Thermo. Corr. Factor																																													
1. <i>[Signature]</i>		7/21/11	<i>[Signature]</i>	2. <i>[Signature]</i>	7/21/11	12:00	2			4.8/4.6	-0.2																																													
3. Relinquished by:		Date Time:	Received By:	Relinquished By:	Date Time:	Received By:	Custody Seal #	Preserved where applicable	On Ice	Cooler Temp.	Thermo. Corr. Factor																																													
5. Relinquished by:		Date Time:	Received By:	Relinquished By:	Date Time:	Received By:	Custody Seal #	Preserved where applicable	On Ice	Cooler Temp.	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 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 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 enforced unless previously negotiated under a fully executed client contract.

Eurofins Xento, Carlsbad

1089 N Canal St.
Carlsbad, NM 88210
Phone 575-988-3119 Fax 575-988-3199

Chain of Custody Record



Environment Testing America

[illegible]

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Chain of Custody Record

7/31/2021

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	

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-1027-1

Login Number: 1027

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	



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

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
8/6/2021 8:39:58 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

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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.

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

Laboratory Job ID: 890-1062-1

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Definitions/Glossary

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

Job ID: 890-1062-1

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.
□	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.
Project/Site: COG - GoldCoast

Job ID: 890-1062-1

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.

Client Sample Results

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

Job ID: 890-1062-1

Client Sample ID: SW-18

Lab Sample ID: 890-1062-1

Date Collected: 08/04/21 14:00

Matrix: Solid

Date Received: 08/05/21 13:54

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			08/06/21 15:19	1

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 Chromatography - Soluble

Analyte	Result	Qualifier	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

Date Collected: 08/04/21 14:45

Matrix: Solid

Date Received: 08/05/21 13:54

Method: 300.0 - Anions, Ion Chromatography - 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

Date Collected: 08/04/21 15:00

Matrix: Solid

Date Received: 08/05/21 13:54

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	153		5.04	mg/Kg			08/06/21 15:35	1

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

Method: 300.0 - Anions, Ion Chromatography - 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

QC Sample Results

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

Job ID: 890-1062-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-6177/1-A

Matrix: Solid

Analysis Batch: 6181

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			08/06/21 14:08	1

Lab Sample ID: LCS 880-6177/2-A

Matrix: Solid

Analysis Batch: 6181

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	260.3		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-6177/3-A

Matrix: Solid

Analysis Batch: 6181

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	260.2		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 890-1062-7 MS

Matrix: Solid

Analysis Batch: 6181

Client Sample ID: SW-29

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	<5.05	U	253	261.9		mg/Kg		103	90 - 110

Lab Sample ID: 890-1062-7 MSD

Matrix: Solid

Analysis Batch: 6181

Client Sample ID: SW-29

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	<5.05	U	253	262.0		mg/Kg		103	90 - 110	0	20

Eurofins Xenco, Carlsbad

QC Association Summary

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

Job ID: 890-1062-1

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

Lab Chronicle

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

Job ID: 890-1062-1

Client Sample ID: SW-18

Lab Sample ID: 890-1062-1

Date Collected: 08/04/21 14:00

Matrix: Solid

Date Received: 08/05/21 13:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Matrix: Solid

Date Received: 08/05/21 13:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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 15:24	SC	XEN MID

Client Sample ID: SW-21

Lab Sample ID: 890-1062-4

Date Collected: 08/04/21 14:45

Matrix: Solid

Date Received: 08/05/21 13:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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 15:30	SC	XEN MID

Client Sample ID: SW-20

Lab Sample ID: 890-1062-5

Date Collected: 08/04/21 15:00

Matrix: Solid

Date Received: 08/05/21 13:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 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

Eurofins Xenco, Carlsbad

Accreditation/Certification Summary

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

Job ID: 890-1062-1

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

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

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

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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Environment Testing
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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) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 986-3199

Chain of Custody

Work Order No: _____

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Page 1 of 1

Project Manager:	Lead Scientist	Bill to: (if different)	
Company Name:	TRE	Company Name:	
Address:	10 Air Dr. #130E	Address:	
City, State ZIP:	Marietta TX 76705	City, State ZIP:	
Phone:		Email:	Lead, Kc, Russia

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	COY-GRO CENIST	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	
Project Number:		Due Date:	2/1/22		
Project Location:		TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	Russell Sebring				
PO #:					
SAMPLE RECEIPT		Temp Blank:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Well Ice:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Samples Received Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Thermometer ID:	TMA-007		
Cooler Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Correction Factor:	0.2		
Sample Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Temperature Reading:	518/150		
Total Containers:		Corrected Temperature:			



890-1062 Chain of Custody

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	ANALYSIS REQUEST	Preservative Codes	Sample Comments
-----------------------	--------	--------------	--------------	-------	-----------	-----------	------------	------------------	--------------------	-----------------

SW-18	S	4/24/21	1400	-	Comp	1	✓		None: NO	DI Water: H ₂ O	
SW-19			1415			1	✓		Cool: Cool	MeOH: Me	
SW-19A			1430			1	✓		HCL: HC	HNO ₃ : HN	
SW-21			1445			1	✓		H ₂ SO ₄ : H ₂	NaOH: Na	
SW-20A SW-20			1500			1	✓		H ₃ PO ₄ : HP		
SW-20A			1515			1	✓		NaHSO ₄ : NABIS		
SW-29			1530			1	✓		Na ₂ S ₂ O ₃ : NASO ₃		
SW-24A			1545			1	✓		Zn Acetate+NaOH: Zn		
									NaOH+Ascorbic Acid: SAPC		

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 SiO ₂ Na Sr Ti Sn U V Zn
Chloride(s) and Metals(s) to be analyzed	TCLP/SPLP 6010: 8RCRA	Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U	Hg: 1631 / 245.1 / 7470 / 7471	

Note: 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 \$95.00 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.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1. [Signature]	2. [Signature]	3/5/21 12:00P	3. [Signature]	4. [Signature]	
5. [Signature]			6. [Signature]		

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

[illegible]

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	

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-1062-1

Login Number: 1062

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	



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

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
8/6/2021 6:58:14 PM

Jessica Kramer, Project Manager
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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.

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

Laboratory Job ID: 890-1063-1

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Definitions/Glossary

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

Job ID: 890-1063-1

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.
□	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.
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.

Client Sample Results

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

Job ID: 890-1063-1

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

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.5		4.98	mg/Kg			08/06/21 15:57	1

Client Sample ID: SW-31

Lab Sample ID: 890-1063-2

Date Collected: 08/05/21 09:15

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	<4.95	U	4.95	mg/Kg			08/06/21 16:03	1

Client Sample ID: SW-32

Lab Sample ID: 890-1063-3

Date Collected: 08/05/21 09:30

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	62.2		5.04	mg/Kg			08/06/21 16:19	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

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	126		5.01	mg/Kg			08/06/21 16:25	1

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

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	114		4.98	mg/Kg			08/06/21 16:30	1

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

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1700		24.8	mg/Kg			08/06/21 16:36	5

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

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5170		24.8	mg/Kg			08/06/21 16:41	5

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Client Sample Results

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

Job ID: 890-1063-1

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

Lab Sample ID: 890-1063-9

Date Collected: 08/04/21 16:30

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	13.2		5.04	mg/Kg			08/06/21 16:52	1

QC Sample Results

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

Job ID: 890-1063-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-6177/1-A

Matrix: Solid

Analysis Batch: 6181

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			08/06/21 14:08	1

Lab Sample ID: LCS 880-6177/2-A

Matrix: Solid

Analysis Batch: 6181

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	260.3		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-6177/3-A

Matrix: Solid

Analysis Batch: 6181

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	260.2		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 890-1062-A-7-B MS

Matrix: Solid

Analysis Batch: 6181

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	<5.05	U	253	261.9		mg/Kg		103	90 - 110

Lab Sample ID: 890-1062-A-7-C MSD

Matrix: Solid

Analysis Batch: 6181

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	<5.05	U	253	262.0		mg/Kg		103	90 - 110	0	20

Eurofins Xenco, Carlsbad

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

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Lab Chronicle

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

Job ID: 890-1063-1

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Date Collected: 08/05/21 09:15

Matrix: Solid

Date Received: 08/05/21 12:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Client Sample ID: SW-32

Lab Sample ID: 890-1063-3

Date Collected: 08/05/21 09:30

Matrix: Solid

Date Received: 08/05/21 12:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	6177	08/06/21 11:31	SC	XEN MID
Soluble	Analysis	300.0		1			6181	08/06/21 16:19	SC	XEN MID

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Eurofins Xenco, Carlsbad

Lab Chronicle

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

Job ID: 890-1063-1

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Matrix: Solid

Date Received: 08/05/21 12:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Matrix: Solid

Date Received: 08/05/21 12:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 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.
Project/Site: COG - GoldCoast

Job ID: 890-1063-1

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

- 1
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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

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: 890-1063-1

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



Environment Testing
Xenco

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) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 968-3199

Chain of Custody

Priority

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	JANIS STEFFEL	Bill to: (if different)	
Company Name:	TRC	Company Name:	
Address:	10 Astor Drive #130E	Address:	
City, State ZIP:	Mary TX 77405	City, State ZIP:	
Phone:		Email:	JANIS, Kiki, Russell

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Col. Geo. Cinst	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	
Project Number:		Due Date:	Col. Geo. Cinst		
Project Location:	Good Cinst	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	Russell Steffell				
PO #:					
SAMPLE RECEIPT	Temp Blank: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Wet Ice: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Samples Received In tact:	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Thermometer ID:	FN-007		
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:	-0.2		
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	5.8/5.6		
Total Containers:		Corrected Temperature:			



890-1063 Chain of Custody

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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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

Chain Method(s) and Metal(s) to be analyzed: TCLEP/SLCPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631/245.1/7470/7471

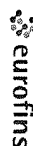
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume 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.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		3/5/21 12:57			

Eurofins Xenco, Carlsbad

1089 N Canal St.
Carlsbad NM 88220
Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record



Environment Testing in America

Client Information (Sub Contract Lab)						Sampler	Lab PM	Carrier Tracking No(s)
Client Contact:						Kramer Jessica		COC No.: 890-337 1
Shipping/Receiving						E-Mail jessica.kramer@eurofinset.com	State of Origin New Mexico	Page 1 of 1
Company Eurofins Xenco						Accreditations Required (See note) NELAP - Texas		Job #: 890-1063-1
Address: 1211 W. Florida Ave.						Due Date Requested: 8/6/2021		
City Midland						TAT Requested (days)		
State Zip TX, 79701								
Phone: 432-704-5440(Tel)						PO #:		
Email:						WO #:		
Project Name: COG - GoldCoast						Project #: 88000805		
Site:						SSOW#:		
Sample Identification - Client ID (Lab ID)						Sample Date	Sample Time	Sample Type (C=Comp, G=grab) Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)
SW-30 (890-1063-1)						8/5/21	09 00	Solid
SW-31 (890-1063-2)						8/5/21	09 15	Solid
SW-132 (890-1063-3)						8/5/21	09 30	Solid
SW-33 (890-1063-4)						8/5/21	10 15	Solid
SW-35 (890-1063-5)						8/5/21	10 30	Solid
FL-23 @4 5 (890-1063-6)						8/5/21	09 45	Solid
FL-24 @4 5 (890-1063-7)						8/4/21	10 45	Solid
FL-22 @4 5 (890-1063-8)						8/4/21	16 15	Solid
SW-28 (890-1063-9)						8/4/21	16 30	Solid
Note: Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon our 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/test/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 compliance to Eurofins Xenco LLC								
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		
Unconfirmed						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For Months		
Deliverable Requested I, II, III, IV, Other (specify)						Primary Deliverable Rank 2 Special Instructions/QC Requirements		
Empty Kit Relinquished by						Date	Time	Method of Shipment:
Relinquished by CUE GUY S.B.ZI						Date/Time	Company	Received by JESSICA KRAMER
Relinquished by						Date/Time	Company	Date/Time 8-6-21 11:00AM
Relinquished by						Date/Time	Company	Received by
Cooler Temperature(s) °C and Other Remarks								

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 <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-1063-1

Login Number: 1063

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	



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

A handwritten signature in black ink that reads "Jessica Kramer".

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

TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

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.
Project/Site: TRC - COG Project

Laboratory Job ID: 890-1067-1

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Definitions/Glossary

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

Job ID: 890-1067-1

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.
□	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.
Project/Site: TRC - COG Project

Job ID: 890-1067-1

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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Client Sample Results

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

Job ID: 890-1067-1

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

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

Client Sample ID: SW-37

Lab Sample ID: 890-1067-2

Date Collected: 08/05/21 15:15

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	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

Matrix: Solid

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

Date Collected: 08/05/21 16:00

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	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

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	104		5.01		mg/Kg			08/09/21 15:58	1

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

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	163		5.02		mg/Kg			08/09/21 16:04	1

Eurofins Xenco, Carlsbad

QC Sample Results

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

Job ID: 890-1067-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-6251/1-A

Matrix: Solid

Analysis Batch: 6253

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/09/21 14:36	1

Lab Sample ID: LCS 880-6251/2-A

Matrix: Solid

Analysis Batch: 6253

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	255.0		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-6251/3-A

Matrix: Solid

Analysis Batch: 6253

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	254.8		mg/Kg		102	90 - 110	0	20

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

Lab Chronicle

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

Job ID: 890-1067-1

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 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

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			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

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			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

Date Collected: 08/05/21 16:00

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			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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 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.
Project/Site: TRC - COG Project

Job ID: 890-1067-1

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

- 1
- 2
- 3
- 4
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- 8
- 9
- 10
- 11
- 12
- 13

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

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: 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	



Environment Testing
Xenco

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) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

Work Order No: _____

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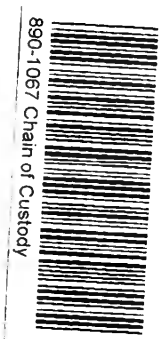
Project Manager:	JARID STEINFEL	Bill to: (if different)	
Company Name:	TLC	Company Name:	
Address:	10 Dora Dr. #130E	Address:	
City, State ZIP:	Marietta TX 79705	City, State ZIP:	
Phone:		Email:	JARID@TLC, Russian

Work Order Comments Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/> State of Project: _____ Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: _____	
--	--

Project Name:	084 - Good Coast	Turn Around	Pres. <input type="checkbox"/> Rush <input type="checkbox"/> Expedite <input type="checkbox"/>
Project Number:		Due Date:	
Project Location:	Good Coast	TAT starts the day received by the lab, if received by 4:30pm	
Sample's Name:	Russian Seabird		
PO #:			
SAMPLE RECEIPT Temp Blank: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Wet Ice: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Samples Received Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Thermometer ID: T-1000-002 Cooler Custody Seals: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Correction Factor: -0.2 Sample Custody Seals: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Temperature Reading: 5.0 Total Containers: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Corrected Temperature: 4.8		Parameters	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	ANALYSIS REQUEST	Preservative Codes	Sample Comments
-----------------------	--------	--------------	--------------	-------	-----------	-----------	------------------	--------------------	-----------------

SW-36	SW	5 Aug 2021	1530	-	Cut				
SW-38	SW		1515	-					
FL-25 24.5'	FL		1530	4.5'					
SW-38	SW		1600	-					
SW-39	SW		1615	-					
SW-34	SW		1645	-					



890-1067 Chain of Custody

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 SiO ₂ Na Sr Ti Sn U V Zn
Client 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	Hg: 1631 / 245.1 / 7470 / 7471	

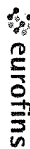
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume 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.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1. [Signature]	1. [Signature]	2/6/21 1:02			
3. [Signature]					
5. [Signature]					

Eurofins Xenco, Carlsbad

1089 N Canal St.
Carlsbad, NM 88220
Phone 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Environment Testing America

Client Information (Sub Contract Lab)						Sampler	Lab PM	Carrier Tracking No(s)	COC No:				
Client Contact:						Kramer, Jessica			890-339 1				
Shipping/Receiving						Phone:	E-Mail:	State of Origin	Page:				
Company:						Jessica kramer@eurofinet.com	New Mexico		Page 1 of 1				
Eurofins Xenco						Accreditations Required (See note)			Job #				
Address						Due Date Requested	Preservation Codes:						
1211 W Florida Ave						8/10/2021	A HCL M Hexane						
City						TAT Requested (days)	B NaOH N None						
Midland							C Zn Acetate O AsHAcO2						
State, Zip							D - Nitric Acid P - Na2OAS						
TX, 79701							E NaHSO4 Q - Na2SO3						
Phone						PO #:	F MeOH R - Na2S2O3						
432-704-5440(Tel)						WO #:	G Antichlor S H2SO4						
Email							H - Ascorbic Acid T TSP Dodecylhydrate						
Project Name:						Project #	I Ice U Acetone						
TRC - COG Project						89000036	J DI Water V MCAA						
Site:						SSOW#	K EDTA W pH 4-5						
							L EDA Z other (specify)						
							Other						
Sample Identification - Client ID (Lab ID)						Sample Date	Sample Time	Sample Type (C=Comp, G=grab) Matrix (W=Water S=solid, O=washbottle, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D/DI_LEACH Chloride	Total Number of containers	Special Instructions/Note:
SW-36 (890-1067-1)						8/5/21	15 00 Mountain	Solid	X			1	
SW-37 (890-1067-2)						8/5/21	15 15 Mountain	Solid	X			1	
FL-25 @ 4 5 (890-1067-3)						8/5/21	15 30 Mountain	Solid	X			1	
SW-38 (890-1067-4)						8/5/21	16 00 Mountain	Solid	X			1	
SW-39 (890-1067-5)						8/5/21	16 15 Mountain	Solid	X			1	
SW-34 (890-1067-6)						8/5/21	16 45 Mountain	Solid	X			1	
Note: Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method, analyte & accreditation compliance upon our 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/test/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 compliance to Eurofins Xenco LLC													
Possible Hazard Identification													
Unconfirmed Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2 Special Instructions/OQ Requirements													
Empty Kit Relinquished by Date Time Date Company Received by Date Time Method of Shipment: 8-9-21 9:00am													
Relinquished by Cae Coy 8-6-21 Date Time Company Received by Date Time Company													
Relinquished by Date Time Company Received by Date Time Company													
Custody Seals Intact: Custody Seal No Cooler Temperature(s) °C and Other Remarks													
Δ Yes Δ No													

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 <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-1067-1

Login Number: 1067

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	



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

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
8/19/2021 4:42:55 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

LINKS

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results through
TotalAccess

Have a Question?



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www.eurofinsus.com/Env

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.
Project/Site: COG- Gold Coast

Laboratory Job ID: 890-1118-1
SDG: Jal NM

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Definitions/Glossary

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

Job ID: 890-1118-1
SDG: Jal NM

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.
□	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.
Project/Site: COG- Gold Coast

Job ID: 890-1118-1
SDG: Jai 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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Client Sample Results

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

Job ID: 890-1118-1
SDG: Jal NM

Client Sample ID: SW-40

Lab Sample ID: 890-1118-1

Date Collected: 08/17/21 10:00

Matrix: Solid

Date Received: 08/17/21 13:14

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	165		4.95		mg/Kg			08/18/21 13:55	1

Client Sample ID: FL-26 @ 4.5'

Lab Sample ID: 890-1118-2

Date Collected: 08/17/21 10:30

Matrix: Solid

Date Received: 08/17/21 13:14

Method: 300.0 - Anions, Ion Chromatography - 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

Lab Sample ID: 890-1118-3

Date Collected: 08/17/21 10:45

Matrix: Solid

Date Received: 08/17/21 13:14

Method: 300.0 - Anions, Ion Chromatography - 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

Lab Sample ID: 890-1118-4

Date Collected: 08/17/21 11:00

Matrix: Solid

Date Received: 08/17/21 13:14

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	199		4.95		mg/Kg			08/19/21 13:06	1

QC Sample Results

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

Job ID: 890-1118-1
SDG: Jal NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-6727/1-A

Matrix: Solid

Analysis Batch: 6734

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB 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

Matrix: Solid

Analysis Batch: 6734

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	253.8		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-6727/3-A

Matrix: Solid

Analysis Batch: 6734

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	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

Client Sample ID: SW-40

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	165		248	417.2		mg/Kg		102	90 - 110

Lab Sample ID: 890-1118-1 MSD

Matrix: Solid

Analysis Batch: 6734

Client Sample ID: SW-40

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	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

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/19/21 11:31	1

Lab Sample ID: LCS 880-6766/2-A

Matrix: Solid

Analysis Batch: 6767

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	254.9		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-6766/3-A

Matrix: Solid

Analysis Batch: 6767

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	255.9		mg/Kg		102	90 - 110	0	20

Eurofins Xenco, Carlsbad

QC Sample Results

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

Job ID: 890-1118-1
SDG: Jal NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-1118-4 MS

Matrix: Solid

Analysis Batch: 6767

Client Sample ID: SW-22A

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	199		248	457.9		mg/Kg		105	90 - 110

Lab Sample ID: 890-1118-4 MSD

Matrix: Solid

Analysis Batch: 6767

Client Sample ID: SW-22A

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	199		248	458.0		mg/Kg		105	90 - 110	0	20

QC Association Summary

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

Job ID: 890-1118-1
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

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

Lab Chronicle

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

Job ID: 890-1118-1
SDG: Jal NM

Client Sample ID: SW-40

Lab Sample ID: 890-1118-1

Date Collected: 08/17/21 10:00

Matrix: Solid

Date Received: 08/17/21 13:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Matrix: Solid

Date Received: 08/17/21 13:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Matrix: Solid

Date Received: 08/17/21 13:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Matrix: Solid

Date Received: 08/17/21 13:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	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	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- Gold Coast

Job ID: 890-1118-1
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

- 1
- 2
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Method Summary

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

Job ID: 890-1118-1
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: 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

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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


Chain of Custody

Work Order No:

www.xenco.com Page 7 of 7

Project Manager:	Jared Stofic		Bill to: (if different)
Company Name:	TLC		Company Name:
Address:	10 Best Davi Suite 130E		Address:
City, State ZIP:	Mound TX 74705		City, State ZIP:
Phone:	432.30.4465	Email:	Jared_Stofic@tla

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:	

Project Name:				Cat - Gold Case				Turn Around				Pres. Code	
Project Number:								<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush					
Project Location:				Jic NIN				Due Date:					
Sampler's Name:				Kussu Seherm				TAT starts the day received by the lab, if received by 4:30pm					
PO #:													
SAMPLE RECEIPT													
Samples Received Intact:				<input checked="" type="radio"/> Yes <input type="radio"/> No				Thermometer ID:				<input checked="" type="radio"/> Yes <input type="radio"/> No	
Cooler Custody Seals:				<input checked="" type="radio"/> Yes <input type="radio"/> No				Correction Factor:				-0.7	
Sample Custody Seals:				<input checked="" type="radio"/> Yes <input type="radio"/> No				Temperature Reading:				3.8	
Total Containers:								Corrected Temperature:				3.6	
Parameters													
HCLORIDES													
 890-1118 Chain of Custody													
ANALYSIS REQUEST													
Preservative Codes													
None: NO				DI Water: H ₂ O									
Cool: Cool				MeOH: Me									
HCL: HC				HNO ₃ : HN									
H ₂ SO ₄ : H ₂				NaOH: Na									
H ₃ PO ₄ : HP													
NaHSO ₄ : NABIS													
Na ₂ S ₂ O ₃ : NaSO ₃													
Zn Acetate+NaOH: Zn													
NaOH+Ascorbic Acid: SACP													

[illegible]

Cycle Method(s) and Metal(s) to be analyzed	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 SiO ₂ Na Sr Ti Sn U V Zr	
TC1P / SPE1P 6010: 8RCRA SD As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U		Hg: 1631 / 245.1 / 7470 / 7471

(Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xeno, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xeno may 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 service. Eurofins Xeno 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 service. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xeno, but not analyzed. These terms will be enforced unless previously negotiated.)

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	8/17/21 12:	<i>[Signature]</i>	<i>[Signature]</i>	

Printed Date: 08/25/2020 Row: 2020

Chain of Custody Record

1. The first step is to identify the problem or question that needs to be addressed. This involves understanding the context and the specific requirements of the task.

2. The second step is to gather relevant information and resources. This may involve researching existing solutions, consulting with experts, or collecting data.

3. The third step is to develop a plan or strategy. This involves breaking down the problem into smaller, manageable tasks and determining the sequence of actions to be taken.

4. The fourth step is to implement the plan. This involves carrying out the tasks and monitoring progress to ensure that the plan is being followed.

5. The fifth step is to evaluate the results. This involves comparing the actual outcomes with the expected results and identifying any areas for improvement.

6. The sixth step is to communicate the findings. This involves sharing the results with the relevant stakeholders and providing a clear summary of the findings.

7. The seventh step is to draw conclusions and make recommendations. This involves summarizing the key findings and providing advice on how to address the problem in the future.

8. The eighth step is to document the process. This involves creating a record of the steps taken and the results achieved, which can be used for future reference.

9. The ninth step is to review the process. This involves reflecting on the entire process and identifying any lessons learned or areas for improvement.

10. The tenth step is to implement improvements. This involves making changes to the process based on the lessons learned and ensuring that the improvements are effective.

eurofins
Environment Testing
America

1089 N Canal St
Carlsbad NM 88220
Phone 575-988-3199 Fax 575-988-3199

[illegible]

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-1118-1

SDG Number: Jal NM

Login Number: 1118

List Number: 1

Creator: Clifton, Cloe

List Source: Eurofins Xenco, Carlsbad

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	

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-1118-1

SDG Number: Jal NM

Login Number: 1118

List Number: 2

Creator: Copeland, Tatiana

List Source: Eurofins Xenco, Midland

List Creation: 08/18/21 11:53 AM

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	



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

A handwritten signature in black ink that reads "J. Kramer".

Authorized for release by:
8/23/2021 4:15:44 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

LINKS

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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.

Client: TRC Solutions, Inc.
Project/Site: Gold Coast

Laboratory Job ID: 890-1127-1

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Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: Gold Coast

Job ID: 890-1127-1

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.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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.
Project/Site: Gold Coast

Job ID: 890-1127-1

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.

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Gold Coast

Job ID: 890-1127-1

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

Sample Depth: - 4.5

Method: 300.0 - Anions, Ion Chromatography - 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

Matrix: Solid

Date Received: 08/19/21 13:13

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	363		5.05		mg/Kg			08/20/21 13:27	1

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Gold Coast

Job ID: 890-1127-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-6852/1-A

Matrix: Solid

Analysis Batch: 6864

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB 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

Matrix: Solid

Analysis Batch: 6864

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	245.8		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-6852/3-A

Matrix: Solid

Analysis Batch: 6864

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	246.3		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 890-1127-1 MS

Matrix: Solid

Analysis Batch: 6864

Client Sample ID: FL-27 @4.5

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	3830	F1	1250	5222	F1	mg/Kg		112	90 - 110

Lab Sample ID: 890-1127-1 MSD

Matrix: Solid

Analysis Batch: 6864

Client Sample ID: FL-27 @4.5

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	3830	F1	1250	5128		mg/Kg		104	90 - 110	2	20

Eurofins Xenco, Carlsbad

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Gold Coast

Job ID: 890-1127-1

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

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Gold Coast

Job ID: 890-1127-1

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Matrix: Solid

Date Received: 08/19/21 13:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	6852	08/20/21 10:40	SC	XEN MID
Soluble	Analysis	300.0		1			6864	08/20/21 13:27	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: Gold Coast

Job ID: 890-1127-1

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

- 1
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- 11
- 12
- 13

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

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: Gold Coast

Job ID: 890-1127-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
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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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) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

Work Order No: _____

3.5c
www.xenco.com Page 1 of 1

Project Manager:	Jared Stortell		Bill to: (if different)	
Company Name:	TRC		Company Name:	
Address:	10 West Dr. Suite 1306		Address:	
City, State ZIP:	Mesa TX 74605	City, State ZIP:		
Phone:	432.238.2003	Email:	Jared.Stortell	

Work Order Comments	
Program:	UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	
Reporting:	Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other: _____

Project Name:		Grand Coast		Turn Around		Pres. Code		ANALYSIS REQUEST										Preservative Codes					
Project Number:				<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		24hr												None: NO DI Water: H ₂ O					
Project Location:		Jic Arin		Due Date:														Cool: Cool MeOH: Me					
Sampler's Name:		Russell Seemance		TAT starts the day received by the lab, if received by 4:30pm														HCL: HC HNO ₃ : HN H ₂ SO ₄ : H ₂ NaOH: Na					
PO #:																							
SAMPLE RECEIPT		Temp Blank:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Wet Ice:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No												H ₃ PO ₄ : HP NaHSO ₄ : NABIS			
Samples Received Intact:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID:		T-NM-007												Na ₂ S ₂ O ₃ : NASO ₃					
Cooler Custody Seals:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Correction Factor:		-0.2												Zn Acetate+NaOH: Zn					
Sample Custody Seals:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Temperature Reading:		4.8												NaOH+Ascorbic Acid: SAPC					
Total Containers:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Corrected Temperature:		4.2																	

[illegible]

Element	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 SiO ₂ Na Sr II Sn U V Zr	
1CLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U	Hg: 1631 / 245.1 / 7470 / 7471	

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xeno, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xeno 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 Xeno. A minimum charge of \$85.00 will be applied to each project and a charge of \$3 for each sample submitted to Eurofins Xeno, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		8/19/21 12:04			8.19.21 13:00

Revised Date 08/25/2020 Rev 2020

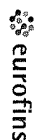
Eurofins Xenco, Carlsbad

Eurofins Xenco, Carlsbad

1009 N Calial St
Carlsbad NM 88220

Phone. 575-988-3199 Fax 575-988-3199

Chain of Custody Record



Environment Testing America

[illegible]

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-1127-1

SDG Number:

Login Number: 1127

List Number: 1

Creator: Clifton, Cloe

List Source: Eurofins Xenco, Carlsbad

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	

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-1127-1

SDG Number:

Login Number: 1127

List Number: 2

Creator: Copeland, Tatiana

List Source: Eurofins Xenco, Midland

List Creation: 08/20/21 10:57 AM

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 <6mm (1/4").	True	



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

A handwritten signature in black ink that reads "Jessica Kramer".

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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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.
Project/Site: Gold Coast

Laboratory Job ID: 890-1128-1

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Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: Gold Coast

Job ID: 890-1128-1

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.
□	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.
Project/Site: Gold Coast

Job ID: 890-1128-1

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.

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Gold Coast

Job ID: 890-1128-1

Client Sample ID: TT-1 @ 0-1

Lab Sample ID: 890-1128-1

Date Collected: 08/19/21 10:00

Matrix: Solid

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	426		4.95		mg/Kg			08/20/21 13:38	1

Client Sample ID: TT-1 @2

Lab Sample ID: 890-1128-2

Date Collected: 08/19/21 10:05

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	17.4		5.04		mg/Kg			08/20/21 13:43	1

Client Sample ID: TT-1 @3

Lab Sample ID: 890-1128-3

Date Collected: 08/19/21 10:10

Matrix: Solid

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
Chloride	165		4.98		mg/Kg			08/20/21 16:13	1

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	1

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

Sample Depth: 1 - 0

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	228		5.00		mg/Kg			08/20/21 16:24	1

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

Sample Depth: 2

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.19		4.97		mg/Kg			08/20/21 16:29	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Gold Coast

Job ID: 890-1128-1

Client Sample ID: TT-2 @3

Date Collected: 08/19/21 10:40

Date Received: 08/19/21 13:13

Sample Depth: 3

Lab Sample ID: 890-1128-7

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - 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

Date Collected: 08/19/21 10:45

Date Received: 08/19/21 13:13

Sample Depth: 4.5

Lab Sample ID: 890-1128-8

Matrix: Solid

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

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

Lab Sample ID: 890-1128-9

Matrix: Solid

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

Date Collected: 08/19/21 11:05

Date Received: 08/19/21 13:13

Sample Depth: 2

Lab Sample ID: 890-1128-10

Matrix: Solid

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

Date Collected: 08/19/21 11:10

Date Received: 08/19/21 13:13

Sample Depth: 3

Lab Sample ID: 890-1128-11

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - 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

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

Lab Sample ID: 890-1128-12

Matrix: Solid

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

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Gold Coast

Job ID: 890-1128-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-6852/1-A

Matrix: Solid

Analysis Batch: 6864

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB 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

Matrix: Solid

Analysis Batch: 6864

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	245.8		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-6852/3-A

Matrix: Solid

Analysis Batch: 6864

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	246.3		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 890-1128-8 MS

Matrix: Solid

Analysis Batch: 6864

Client Sample ID: TT-2@ 4.5

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	177		248	446.5		mg/Kg		109	90 - 110

Lab Sample ID: 890-1128-8 MSD

Matrix: Solid

Analysis Batch: 6864

Client Sample ID: TT-2@ 4.5

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	177		248	438.0		mg/Kg		105	90 - 110	2	20

Eurofins Xenco, Carlsbad

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 Batch
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

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Gold Coast

Job ID: 890-1128-1

Client Sample ID: TT-1 @ 0-1

Lab Sample ID: 890-1128-1

Date Collected: 08/19/21 10:00

Matrix: Solid

Date Received: 08/19/21 13:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Date Collected: 08/19/21 10:05

Matrix: Solid

Date Received: 08/19/21 13:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 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

Client Sample ID: TT-1 @3

Lab Sample ID: 890-1128-3

Date Collected: 08/19/21 10:10

Matrix: Solid

Date Received: 08/19/21 13:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Gold Coast

Job ID: 890-1128-1

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Date Collected: 08/19/21 10:45

Date Received: 08/19/21 13:13

Lab Sample ID: 890-1128-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	6852	08/20/21 10:40	SC	XEN MID
Soluble	Analysis	300.0		1			6864	08/20/21 16:40	CH	XEN MID

Client Sample ID: TT-3 @0-1

Date Collected: 08/19/21 11:00

Date Received: 08/19/21 13:13

Lab Sample ID: 890-1128-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Date Collected: 08/19/21 11:05

Date Received: 08/19/21 13:13

Lab Sample ID: 890-1128-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 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

Date Collected: 08/19/21 11:10

Date Received: 08/19/21 13:13

Lab Sample ID: 890-1128-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 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

Date Collected: 08/19/21 11:15

Date Received: 08/19/21 13:13

Lab Sample ID: 890-1128-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Accreditation/Certification Summary

Client: TRC Solutions, Inc.
Project/Site: Gold Coast

Job ID: 890-1128-1

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: 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

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



Environment Testing
Xenco

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) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

3.5c

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of

2

Project Manager:	Jared Storti	Bill to: (if different)	
Company Name:	TTC	Company Name:	
Address:	10 Delta Drive Suite 130E	Address:	
City, State ZIP:	Midland TX 79705	City, State ZIP:	
Phone:	432-238-3003	Email:	Jared@TTC, Russia

Work Order Comments Program: <input type="checkbox"/> UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/> State of Project: Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	
---	--

Project Name:	GeoCoast	Turn Around	Pres. Code	ANALYSIS REQUEST	Preservative Codes
Project Number:		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush 24/7			None: NO DI Water: H ₂ O
Project Location:	San Dim	Due Date:			Cool: Cool MeOH: Me
Sample's Name:	Russian SIBERIAN	TAT starts the day received by the lab, if received by 4:30pm			HCL: HC HNO ₃ : HN
PO #:					H ₂ SO ₄ : H ₂ NaOH: Na
SAMPLE RECEIPT	Temp Blank: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	Wet Ice: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes			H ₃ PO ₄ : HP
Samples Received Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Thermometer ID: T-NA-007			NaHSO ₄ : NABIS
Cooler Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Correction Factor: -0.2			Na ₂ S ₂ O ₃ : NaSO ₃
Sample Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Temperature Reading: 4.8			Zn Acetate+NaOH: Zn
Total Containers:		Corrected Temperature: 4.6			NaOH+Ascorbic Acid: SAPC



890-1128 Chain of Custody

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont																					Sample Comments
TT-1e 0-1	S	10/05	1000	0-1'	Grab	1																					
TT-1e 2'		10/05	1005	2'	Grab	1																					
TT-1e 3'		10/05	1010	3'	Grab	1																					
TT-1e 4.5'		10/05	1015	4.5'	Grab	1																					
TT-2e 0-1		10/05	1030	0-1'	Grab	1																					
TT-2e 2'		10/05	1035	2'	Grab	1																					
TT-2e 3'		10/05	1040	3'	Grab	1																					
TT-2e 4.5'		10/05	1045	4.5'	Grab	1																					

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 SiO ₂ 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	Hg: 1631 / 245.1 / 7470 / 7471

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 \$35.00 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.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time



Environment Testing
Xenco

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 505-3334
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

Work Order No:

3.5C www.xenco.com Page 2 of 2

Project Manager:	Jared Stofell		Bill to: (if different)	
Company Name:	TFC		Company Name:	
Address:	10 Astor Drive Suite 130E		Address:	
City, State ZIP:	Madison TX 71705		City, State ZIP:	
Phone:	432.238.3003	Email:	Jared_11E@Russell	

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: _____

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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 SiO ₂ Na Sr Ti Sn U V Zn
TCLP / SPLP 6010: 8RCRA	Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U	Hg: 1631 / 245.1 / 7470 / 7471

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 with 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 with Eurofins Xenco.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		8/19/11 12:05			8.19.21 13:14

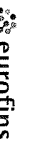
Printed Date: 08/25/2020 By: 2020

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Eurofins Xenco, Carlsbad

1089 N Canal St.
Carlsbad NM 88220
Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record



Environment Testing
America

Client Information (Sub Contract Lab)		Sampler	Lab PM	Carrier Tracking No(s)	COC No						
Client Contact: Jessica Kramer		Phone	Jessica Kramer@eurofins.com	New Mexico	890-359-1						
Shipping/Receiving		Accreditations Required (See note)			Page 1 of 2						
Company: Eurofins Xenco		NELAP - Texas			Job #						
Address: 1211 W Florida Ave		Due Date Requested	8/20/2021								
City: Midland		TAT Requested (days):	8/20/2021								
State Zip: TX 79701		PO #									
Phone: 432-704-5440(Tel)		WO #									
Email:		Project #	89000036								
Project Name: Gold Coast		SSOW#:									
Site:											
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wastewater, BT=tissue, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D/DI_LEACH Chloride	Analysis Requested	Total Number of containers	Special Instructions/Note
TT-1 @ 0-1 (890-1128-1)		8/19/21	10 00	Mountain	Solid	X				1	
TT-1 @2 (890-1128-2)		8/19/21	10 05	Mountain	Solid	X				1	
TT-1 @3 (890-1128-3)		8/19/21	10 10	Mountain	Solid	X				1	
TT-1 @4 5 (890-1128-4)		8/19/21	10 15	Mountain	Solid	X				1	
TT-2 0-1 (890-1128-5)		8/19/21	10 30	Mountain	Solid	X				1	
TT-2 @2 (890-1128-6)		8/19/21	10 35	Mountain	Solid	X				1	
TT-2 @3 (890-1128-7)		8/19/21	10 40	Mountain	Solid	X				1	
TT-2 @ 4 5 (890-1128-8)		8/19/21	10 45	Mountain	Solid	X				1	
TT-3 @0-1 (890-1128-9)		8/19/21	11 00	Mountain	Solid	X				1	
<p>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/test/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 compliance to Eurofins Xenco LLC</p>											
Possible Hazard Identification											
Unconfirmed											
Deliverable Requested I II III IV Other (specify)											
Primary Deliverable Rank 2											
Empty Kit Relinquished by											
Relinquished by											
Relinquished by											
Relinquished by											
Custody Seal Intact: A Yes A No											
Custody Seal No											
Cooler Temperature(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



Environment Testing America

[illegible]

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-1128-1

SDG Number:

Login Number: 1128

List Number: 1

Creator: Clifton, Cloe

List Source: Eurofins Xenco, Carlsbad

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	

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-1128-1

SDG Number:

Login Number: 1128

List Number: 2

Creator: Copeland, Tatiana

List Source: Eurofins Xenco, Midland

List Creation: 08/20/21 10:56 AM

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 <6mm (1/4").	True	



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

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
7/26/2021 5:46:04 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

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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.

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

Laboratory Job ID: 880-4304-1
SDG: Jal, NM

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Definitions/Glossary

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

Job ID: 880-4304-1
SDG: Jal, NM

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.
□	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.
Project/Site: COG - Gold Coast

Job ID: 880-4304-1
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 Sample Results

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

Job ID: 880-4304-1
SDG: Jal, NM

Client Sample ID: SW-1

Date Collected: 07/22/21 15:15

Date Received: 07/23/21 16:20

Lab Sample ID: 880-4304-1

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	258		5.04	mg/Kg			07/24/21 21:58	1

Client Sample ID: SW-2

Date Collected: 07/22/21 13:10

Date Received: 07/23/21 16:20

Lab Sample ID: 880-4304-2

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - 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

Date Collected: 07/22/21 16:15

Date Received: 07/23/21 16:20

Lab Sample ID: 880-4304-3

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - 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

Date Collected: 07/22/21 13:30

Date Received: 07/23/21 16:20

Lab Sample ID: 880-4304-4

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	677		5.04	mg/Kg			07/24/21 22:14	1

Client Sample ID: SW-5

Date Collected: 07/23/21 10:00

Date Received: 07/23/21 16:20

Lab Sample ID: 880-4304-5

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3050		25.3	mg/Kg			07/25/21 20:52	5

QC Sample Results

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

Job ID: 880-4304-1
SDG: Jal, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-5608/1-A

Matrix: Solid

Analysis Batch: 5616

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			07/24/21 20:52	1

Lab Sample ID: LCS 880-5608/2-A

Matrix: Solid

Analysis Batch: 5616

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	256.1		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-5608/3-A

Matrix: Solid

Analysis Batch: 5616

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	253.9		mg/Kg		102	90 - 110	1	20

QC Association Summary

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

Job ID: 880-4304-1
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

Lab Chronicle

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

Job ID: 880-4304-1
SDG: Jal, NM

Client Sample ID: SW-1

Date Collected: 07/22/21 15:15

Date Received: 07/23/21 16:20

Lab Sample ID: 880-4304-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 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

Date Collected: 07/22/21 13:10

Date Received: 07/23/21 16:20

Lab Sample ID: 880-4304-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 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

Date Collected: 07/22/21 16:15

Date Received: 07/23/21 16:20

Lab Sample ID: 880-4304-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Date Collected: 07/22/21 13:30

Date Received: 07/23/21 16:20

Lab Sample ID: 880-4304-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 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

Date Collected: 07/23/21 10:00

Date Received: 07/23/21 16:20

Lab Sample ID: 880-4304-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 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

Eurofins Xenco, Midland

Accreditation/Certification Summary

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

Job ID: 880-4304-1
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

- 1
- 2
- 3
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- 11
- 12
- 13

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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 Dallas, TX (214) 902-0300

 El Paso, TX (915) 585-3443
 Lubbock, TX (806) 794-1296

 Midland, TX (432) 704-4141
 San Antonio, TX (210) 414-1296

www.xenco.com



880-4304 Chain of Custody

1) 712-8143

 Service Center- Amarillo, TX (806) 678-4514
 Service Center- Hobbs, NM (575) 392-7550

Revision 2016.1

CHAIN OF CUSTODY

Page 1

Client / Reporting Information				Project Information				Analytical Information				Matrix Codes			
Company Name / Branch JLC				Project Name/Number COY-GOLD COAST											
Company Address JLC				Project Location JLC											
Email Russell.Amos@JLC.com				Invoice To JLC											
Project Contact Russell Scott				PO Number											
Sampler's Name Russell Scott															
No	Field ID / Point of Collection	Sample Depth	Collection Date	Time	Matrix	# of bottles	HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MeOH	NONE	Field Comments
1	SW-1	-	7/22/15	1515	1	1									Chlorine
2	SW-2	-	7/22/15	1510	1	1									240K
3	SW-3	-	7/22/15	1455	1	1									
4	SW-4	-	7/22/15	1330	1	1									
5	SW-5	-	7/23/15	1000	1	1									
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10															
Turnaround Time (Business days)															
Data Deliverable Information															
<input type="checkbox"/> Same Day TAT <input type="checkbox"/> 5 Day TAT <input type="checkbox"/> Level II Std QC <input type="checkbox"/> Level IV (Full Data Pkg/raw data) <input checked="" type="checkbox"/> Next Day EMERGENCY <input type="checkbox"/> 7 Day TAT <input type="checkbox"/> Level III Std QC+ Forms <input type="checkbox"/> TRRP Level IV <input type="checkbox"/> 2 Day EMERGENCY <input type="checkbox"/> Contract TAT <input type="checkbox"/> Level 3 (CLP Forms) <input type="checkbox"/> UST / RG-411 <input type="checkbox"/> 3 Day EMERGENCY <input type="checkbox"/> Level II Report with TRRP checklist															
TAT Starts Day received by Lab, if received by 5.00 pm															
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY															
Relinquished by Sampler		Date Time		Received By		Date Time		Relinquished By		Date Time		Received By		Date Time	
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Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-4304-1

SDG Number: Jal, NM

Login Number: 4304

List Number: 1

Creator: Phillips, Kerianna

List Source: Eurofins Xenco, Midland

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	



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

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
8/3/2021 1:13:48 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

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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.

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

Laboratory Job ID: 880-4553-1
SDG: Jal, NM

Table of Contents

Cover Page	1
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Definitions/Glossary

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

Job ID: 880-4553-1
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.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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.
Project/Site: COG - GoldCoast

Job ID: 880-4553-1
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°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 Results

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

Date Collected: 07/30/21 12:30

Matrix: Solid

Date Received: 08/02/21 08:32

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	483	F1	5.05	mg/Kg			08/02/21 17:45	1

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

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.1		4.99	mg/Kg			08/02/21 18:01	1

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

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	98.8		4.95	mg/Kg			08/02/21 18:06	1

Client Sample ID: SW-27

Lab Sample ID: 880-4553-4

Date Collected: 07/30/21 14:30

Matrix: Solid

Date Received: 08/02/21 08:32

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.9		4.98	mg/Kg			08/02/21 18:12	1

QC Sample Results

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

Job ID: 880-4553-1
SDG: Jal, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-5966/1-A

Matrix: Solid

Analysis Batch: 5991

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB 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

Matrix: Solid

Analysis Batch: 5991

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	229.9		mg/Kg		92	90 - 110

Lab Sample ID: LCSD 880-5966/3-A

Matrix: Solid

Analysis Batch: 5991

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	229.4		mg/Kg		92	90 - 110	0	20

Lab Sample ID: 880-4553-1 MS

Matrix: Solid

Analysis Batch: 5991

Client Sample ID: SW-24

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	483	F1	253	706.2	F1	mg/Kg		88	90 - 110

Lab Sample ID: 880-4553-1 MSD

Matrix: Solid

Analysis Batch: 5991

Client Sample ID: SW-24

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	483	F1	253	706.8	F1	mg/Kg		89	90 - 110	0	20

Eurofins Xenco, Midland

QC Association Summary

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

Job ID: 880-4553-1
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

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

Lab Chronicle

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

Date Collected: 07/30/21 12:30

Matrix: Solid

Date Received: 08/02/21 08:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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 18:06	CH	XEN MID

Client Sample ID: SW-27

Lab Sample ID: 880-4553-4

Date Collected: 07/30/21 14:30

Matrix: Solid

Date Received: 08/02/21 08:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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		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.
Project/Site: COG - GoldCoast

Job ID: 880-4553-1
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: 880-4553-1
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

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Setting the Standard since 1990
 Stafford, Texas (281-240-4200)
 Dallas, Texas (214-902-0300)

CHAIN OF CUSTODY

Page 1 of 1

San Antonio, Texas (210-509-3334)
 Midland, Texas (432-704-5251)

www.xenco.com

Arizona (480-355-0900)

Xenco Quote #

Xenco Job #

880-4553



880-4553 Chain of Custody

Client / Reporting Information				Project Information				Analytical Information				Matrix Codes				
Company Name / Branch TRC Environmental Corporation				Project Name/Number COG-GoldCoast				Analytical Information				Matrix Codes				
Company Address 10 Desia Dr. Suite 130E Midland, TX 79705				Project Location JAI NM												
Email: jstoffer@trccompanies.com Phone No: 432-215-6730				Invoice To COG-Kite TAVAREZ												
Project Contact: Jared Stoffer				Invoice:												
Sampler's Name: Russell Sebring																
No	Field ID / Point of Collection	Sample Depth	Date	Time	Matrix	# of bottles	HCI	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MeOH	NONE	Chlorides	Field Comments
1	SW-24	—	7/30/21	1230	S	1										
2	SW-25		7/30/21	1245	S	1										
3	SW-26		7/30/21	1200	S	1										
4	SW-27		7/30/21	1430	S	1										
5					S	1										
6					S	1										
7					S	1										
8					S	1										
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Turnaround Time (Business days)																
Data Deliverable Information																
Notes																
<input type="checkbox"/> Same Day TAT <input checked="" type="checkbox"/> Next Day EMERGENCY <input type="checkbox"/> 2 Day EMERGENCY <input type="checkbox"/> 3 Day EMERGENCY				<input type="checkbox"/> 5 Day TAT <input type="checkbox"/> 7 Day TAT <input type="checkbox"/> Contract TAT				<input type="checkbox"/> Level II Std QC <input type="checkbox"/> Level III Std QC+ Forms <input type="checkbox"/> Level 3 (CLP Forms) <input type="checkbox"/> TRRP Checklist				<input type="checkbox"/> Level IV (Full Data Pkg/raw data) <input type="checkbox"/> TRRP Level IV <input type="checkbox"/> UST / RG 411				
TAT Starts Day received by Lab, if received by 5:00 pm																
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY																
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Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-4553-1

SDG Number: Jal, NM

Login Number: 4553

List Number: 1

Creator: Teel, Brianna

List Source: Eurofins Xenco, Midland

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

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
8/3/2021 11:03:26 AM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

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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.

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

Laboratory Job ID: 880-4554-1
SDG: Jal, NM

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Definitions/Glossary

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

Job ID: 880-4554-1
SDG: Jal, NM

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.
□	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.
Project/Site: COG - GoldCoast

Job ID: 880-4554-1
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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Client Sample Results

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

Sample Depth: 4.5'

Lab Sample ID: 880-4554-1

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	501		4.95		mg/Kg			08/02/21 18:17	1

Client Sample ID: FL-17 @ 4.5'

Date Collected: 07/30/21 11:15

Date Received: 08/02/21 08:34

Sample Depth: 4.5'

Lab Sample ID: 880-4554-2

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1410		5.04		mg/Kg			08/02/21 18:33	1

Client Sample ID: FL-18 @ 4.5'

Date Collected: 07/30/21 11:30

Date Received: 08/02/21 08:34

Sample Depth: 4.5'

Lab Sample ID: 880-4554-3

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3790		25.1		mg/Kg			08/02/21 18:39	5

Client Sample ID: FL-19 @ 4.5'

Date Collected: 07/30/21 11:45

Date Received: 08/02/21 08:34

Sample Depth: 4.5'

Lab Sample ID: 880-4554-4

Matrix: Solid

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	5

Client Sample ID: FL-20 @ 4.5'

Date Collected: 07/30/21 12:15

Date Received: 08/02/21 08:34

Sample Depth: 4.5'

Lab Sample ID: 880-4554-5

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3510		25.1		mg/Kg			08/02/21 18:49	5

Client Sample ID: FL-21 @ 4.5'

Date Collected: 07/30/21 13:00

Date Received: 08/02/21 08:34

Sample Depth: 4.5'

Lab Sample ID: 880-4554-6

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	956		4.95		mg/Kg			08/02/21 18:55	1

Eurofins Xenco, Midland

QC Sample Results

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

Job ID: 880-4554-1
SDG: Jal, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-5966/1-A

Matrix: Solid

Analysis Batch: 5991

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	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

Matrix: Solid

Analysis Batch: 5991

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	229.9		mg/Kg		92	90 - 110

Lab Sample ID: LCSD 880-5966/3-A

Matrix: Solid

Analysis Batch: 5991

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	229.4		mg/Kg		92	90 - 110	0	20

QC Association Summary

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

Job ID: 880-4554-1
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

Lab Chronicle

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

Job ID: 880-4554-1
SDG: Jal, NM

Client Sample ID: FL-16 @ 4.5'

Lab Sample ID: 880-4554-1

Date Collected: 07/30/21 11:00

Matrix: Solid

Date Received: 08/02/21 08:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Date Collected: 07/30/21 11:15

Matrix: Solid

Date Received: 08/02/21 08:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	5966	08/02/21 11:42	CH	XEN MID
Soluble	Analysis	300.0		1			5991	08/02/21 18:33	CH	XEN MID

Client Sample ID: FL-18 @ 4.5'

Lab Sample ID: 880-4554-3

Date Collected: 07/30/21 11:30

Matrix: Solid

Date Received: 08/02/21 08:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	5966	08/02/21 11:42	CH	XEN MID
Soluble	Analysis	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

Matrix: Solid

Date Received: 08/02/21 08:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Matrix: Solid

Date Received: 08/02/21 08:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	5966	08/02/21 11:42	CH	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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Eurofins Xenco, Midland

Accreditation/Certification Summary

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

Job ID: 880-4554-1
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'



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Stafford, Texas (281-240-4200)
Dallas Texas (214-902-0300)

San Antonio, Texas (210-509-3334)
Midland, Texas (432-704-5251)

Arizona (480-355-0900)

880-4554 Chain of Custody



8/3/2021

CHAIN OF CUSTODY

Page 1 Of 1

[illegible]

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-4554-1

SDG Number: Jal, NM

Login Number: 4554

List Number: 1

Creator: Teel, Brianna

List Source: Eurofins Xenco, Midland

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: 880-4560-1

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

For:

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

Attn: Jared Stoffel

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
8/3/2021 11:03:42 AM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

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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.

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

Laboratory Job ID: 880-4560-1
SDG: Jal, NM

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Definitions/Glossary

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

Job ID: 880-4560-1
SDG: Jal, NM

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.
□	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.
Project/Site: COG - GoldCoast

Job ID: 880-4560-1
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°C

HPLC/IC

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

Client Sample Results

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

Job ID: 880-4560-1
SDG: Jal, NM

Client Sample ID: FL-8 @ 4.5'

Lab Sample ID: 880-4560-1

Date Collected: 07/29/21 14:00

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

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	310		4.95		mg/Kg			08/02/21 19:16	1

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

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1130		4.97		mg/Kg			08/02/21 19:22	1

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

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	724		4.95		mg/Kg			08/02/21 19:38	1

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

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2050		24.9		mg/Kg			08/02/21 19:43	5

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

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

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	3460		25.0		mg/Kg			08/02/21 19:54	5

Eurofins Xenco, Midland

Client Sample Results

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

Job ID: 880-4560-1
SDG: Jal, NM

Client Sample ID: FL-15 @ 4.5'
Date Collected: 07/29/21 15:45
Date Received: 08/02/21 08:28

Lab Sample ID: 880-4560-8
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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QC Sample Results

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

Job ID: 880-4560-1
SDG: Jal, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-5966/1-A

Matrix: Solid

Analysis Batch: 5991

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	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

Matrix: Solid

Analysis Batch: 5991

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	229.9		mg/Kg		92	90 - 110

Lab Sample ID: LCSD 880-5966/3-A

Matrix: Solid

Analysis Batch: 5991

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	229.4		mg/Kg		92	90 - 110	0	20

Lab Sample ID: 880-4560-1 MS

Matrix: Solid

Analysis Batch: 5991

Client Sample ID: FL-8 @ 4.5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	3990		1240	5100		mg/Kg		90	90 - 110

Lab Sample ID: 880-4560-1 MSD

Matrix: Solid

Analysis Batch: 5991

Client Sample ID: FL-8 @ 4.5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	3990		1240	5151		mg/Kg		94	90 - 110	1	20

Eurofins Xenco, Midland

QC Association Summary

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

Job ID: 880-4560-1
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

Lab Chronicle

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

Job ID: 880-4560-1
SDG: Jal, NM

Client Sample ID: FL-8 @ 4.5'

Lab Sample ID: 880-4560-1

Date Collected: 07/29/21 14:00

Matrix: Solid

Date Received: 08/02/21 08:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Date Collected: 07/29/21 14:15

Matrix: Solid

Date Received: 08/02/21 08:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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		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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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 19:38	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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	5966	08/02/21 11:42	CH	XEN MID
Soluble	Analysis	300.0		1			5991	08/02/21 19:49	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

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

Job ID: 880-4560-1
SDG: Jal, NM

Client Sample ID: FL-14 @ 4.5'

Lab Sample ID: 880-4560-7

Date Collected: 07/29/21 15:30

Matrix: Solid

Date Received: 08/02/21 08:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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		5			5991	08/02/21 19:54	CH	XEN MID

Client Sample ID: FL-15 @ 4.5'

Lab Sample ID: 880-4560-8

Date Collected: 07/29/21 15:45

Matrix: Solid

Date Received: 08/02/21 08:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	5966	08/02/21 11:42	CH	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.
Project/Site: COG - GoldCoast

Job ID: 880-4560-1
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

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

Method Summary

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

Job ID: 880-4560-1
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: 880-4560-1
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



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 Stafford, Texas (281-240-4200)
 Dallas Texas (214-902-0300)

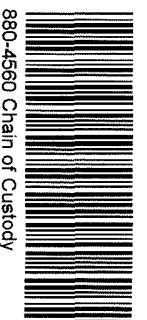
CHAIN OF CUSTODY

Page 1 Of 1

San Antonio, Texas (210-509-3334)
 Midland, Texas (432-704-5251)

www.xenco.com

Arizona (480-355-0900)



880-4560 Chain of Custody

Xenco Quote #

Xenco Job #

880-4560

Client / Reporting Information				Project Information				Analytical Information				Matrix Codes				
Company Name / Branch TRC Environmental Corporation				Project Name/Number COG-GoldCoast												
Company Address 10 Dasta Dr. Suite 130E Midland, TX 79705				Project Location Jal NM												
Email [redacted]@trccompanies.com [redacted]@trccompanies.com				Phone No. 432-215-6730												
Project Contact Jared Stoffel				Invoice To. Cecilia Tavares												
Sampler's Name: Russell Sabing				Invoice:												
No	Field ID / Point of Collection	Sample Depth	Date	Time	Matrix	# of bottles	HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	Chlorides	Field Comments
1	FL-8 @ 4.5'	4.5'	7/29/21	1400	S	1										
2	FL-9 @ 4.5'	4.5'	7/29/21	1415	S	1										
3	FL-10 @ 4.5'	4.5'	7/29/21	1430	S	1										
4	FL-11 @ 4.5'	4.5'	7/29/21	1445	S	1										
5	FL-12 @ 4.5'	4.5'	7/29/21	1500	S	1										
6	FL-13 @ 4.5'	4.5'	7/29/21	1515	S	1										
7	FL-14 @ 4.5'	4.5'	7/29/21	1530	S	1										
8	FL-15 @ 4.5'	4.5'	7/29/21	1545	S	1										
9					S	1										
10					S	1										
Turnaround Time (Business days)				Data Deliverable Information				Notes								
<input type="checkbox"/> Same Day TAT				<input type="checkbox"/> Level II Std QC				<input type="checkbox"/> Level IV (Full Data Pkg / raw data)								
<input checked="" type="checkbox"/> Next Day EMERGENCY				<input type="checkbox"/> 7 Day TAT				<input type="checkbox"/> Level III Std QC + Forms				<input type="checkbox"/> TRRP Level IV				
<input type="checkbox"/> 2 Day EMERGENCY				<input type="checkbox"/> Contract TAT				<input type="checkbox"/> Level 3 (CLP Forms)				<input type="checkbox"/> UST / RG 411				
<input type="checkbox"/> 3 Day EMERGENCY				<input type="checkbox"/> TRRP Checklist												
TAT Starts Day received by Lab, if received by 5:00 pm																
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY																
Relinquished by Sampler		Date Time		Received By		Date Time		Relinquished By		Date Time		Received By		Date Time		
1		8/2/21		8/2/21		8/2/21		2		8/2/21		2		8/2/21		
3				3				4				4				
Relinquished by		Date Time		Received By		Date Time		Relinquished By		Date Time		Received By		Date Time		
5				5				6				6				
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 \$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 enforced unless previously negotiated under a fully executed client contract.																

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-4560-1

SDG Number: Jal, NM

Login Number: 4560

List Number: 1

Creator: Phillips, Kerianna

List Source: Eurofins Xenco, Midland

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	



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

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
8/27/2021 2:42:47 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

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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.

Client: TRC Solutions, Inc.
Project/Site: COG & Gold Coast

Laboratory Job ID: 880-5500-1
SDG: 438371

Table of Contents

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Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: COG & Gold Coast

Job ID: 880-5500-1
SDG: 438371

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.
□	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.
Project/Site: COG & Gold Coast

Job ID: 880-5500-1
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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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COG & Gold Coast

Job ID: 880-5500-1
SDG: 438371

Client Sample ID: FL- 28 @ 4.5'

Lab Sample ID: 880-5500-1

Date Collected: 08/23/21 12:30

Matrix: Solid

Date Received: 08/26/21 13:49

Sample Depth: 4.5'

Method: 300.0 - Anions, Ion Chromatography - 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

Date Collected: 08/24/21 10:30

Matrix: Solid

Date Received: 08/26/21 13:49

Sample Depth: 4.5'

Method: 300.0 - Anions, Ion Chromatography - 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

Client Sample ID: SW-43

Lab Sample ID: 880-5500-3

Date Collected: 08/24/21 10:45

Matrix: Solid

Date Received: 08/26/21 13:49

Sample Depth: 4.5'

Method: 300.0 - Anions, Ion Chromatography - 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 Chromatography - 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

Matrix: Solid

Date Received: 08/26/21 13:49

Sample Depth: 4.5'

Method: 300.0 - Anions, Ion Chromatography - 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

Client Sample ID: FL-29 @ 1.5'

Lab Sample ID: 880-5500-6

Date Collected: 08/24/21 11:30

Matrix: Solid

Date Received: 08/26/21 13:49

Sample Depth: 4.5'

Method: 300.0 - Anions, Ion Chromatography - 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

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COG & Gold Coast

Job ID: 880-5500-1
SDG: 438371

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-7142/1-A

Matrix: Solid

Analysis Batch: 7152

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/27/21 10:15	1

Lab Sample ID: LCS 880-7142/2-A

Matrix: Solid

Analysis Batch: 7152

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	261.4		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-7142/3-A

Matrix: Solid

Analysis Batch: 7152

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	261.8		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 880-5500-1 MS

Matrix: Solid

Analysis Batch: 7152

Client Sample ID: FL- 28 @ 4.5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	4390		1260	5719		mg/Kg		105	90 - 110

Lab Sample ID: 880-5500-1 MSD

Matrix: Solid

Analysis Batch: 7152

Client Sample ID: FL- 28 @ 4.5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	4390		1260	5719		mg/Kg		105	90 - 110	0	20

Eurofins Xenco, Midland

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: COG & Gold Coast

Job ID: 880-5500-1
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

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: COG & Gold Coast

Job ID: 880-5500-1
SDG: 438371

Client Sample ID: FL- 28 @ 4.5'

Lab Sample ID: 880-5500-1

Date Collected: 08/23/21 12:30

Matrix: Solid

Date Received: 08/26/21 13:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 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

Date Collected: 08/24/21 10:30

Matrix: Solid

Date Received: 08/26/21 13:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Date Collected: 08/24/21 10:45

Matrix: Solid

Date Received: 08/26/21 13:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	7142	08/26/21 15:21	SC	XEN MID
Soluble	Analysis	300.0		1			7152	08/27/21 11:49	CH	XEN MID

Client Sample ID: SW-45

Lab Sample ID: 880-5500-5

Date Collected: 08/24/21 11:15

Matrix: Solid

Date Received: 08/26/21 13:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Matrix: Solid

Date Received: 08/26/21 13:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Eurofins Xenco, Midland

Accreditation/Certification Summary

Client: TRC Solutions, Inc.
Project/Site: COG & Gold Coast

Job ID: 880-5500-1
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

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

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

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'



Chain of Custody

Houston TX (281) 240-4200 Dallas TX (214) 902-0300 San Antonio TX (210) 704-5440 El Paso TX (915) 585-3443 Lubbock TX (806) 794-1296
Midland TX (432) 704-5440 El Paso TX (915) 585-3443 Lubbock TX (806) 794-1296
Phoenix AZ (480) 365-0900 Atlanta GA (770) 449-8800 Tampa FL (813) 620-2000 West Palm



880-5500 Chain of Custody
Page 1 of 1
8/27/2021

Project Manager:	JASD STEFFEL	Bill to: (if different)	
Company Name:	TRC	Company Name:	
Address:	12 PETER DAVE #130E	Address:	
City, State ZIP:	MOORE TX 79705	City, State ZIP:	
Phone:	432 250-4465	Email:	JASD, JEC, RUSSELL

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other	

Project Name:	COY. GROUNDWATER	Turn Around	
Project Number:	438371	Routine <input type="checkbox"/>	
Project Location:		Rush <input type="checkbox"/>	
Sampler's Name:		Due Date	
PO #:		Quote #:	

SAMPLE RECEIPT		Temperature (°C): 3.4 / 3.9		Temp Blank: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Wet Ice: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Thermometer ID: 128		Correction Factor: 10.5		Cooler Custody Seals: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Sample Custody Seals: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Total Containers: 10	
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Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	ANALYSIS REQUEST	Preservative Codes	Sample Comments
FL-28 @ 4.5'		S	23 AUG 2014	1230	4.5'	1		MeOH Me	
SL-42		S	24 AUG 2014	1030	-	1		None NO	
SL-43		S		1045	-	1		HNO3 HN	
SL-44		S		1100	-	1		H2SO4 H2	
SL-45		S		1115	-	1		HCL HL	
FL-29 @ 1.5'		S		1130	-	1		NaOH Na	
								Zn Acetate+ NaOH Zn	
								TAT starts the day received by the lab if received by 4:00pm	

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		8/20/21 1349			

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-5500-1

SDG Number: 438371

Login Number: 5500

List Number: 1

Creator: Phillips, Kerianna

List Source: Eurofins Xenco, Midland

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	

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 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 photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: _____ Title: _____

Signature:  Date: _____ 10/28/2021 _____

email: _____ Ike.Tavaréz@conocophillips.com _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:  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

District IV

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: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 58417
	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