

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	nAPP2215335874
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party EOG Resources, Inc	OGRID 7377
Contact Name Amber Griffin	Contact Telephone 575-748-1471
Contact email amber_griffin@eogresources.com	Incident # nAPP2215335874
Contact mailing address 104 S. 4th Street, Artesia, NM 88210	

Location of Release Source

Latitude 32.575592 Longitude -104.578392
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Saguaro Water Transfer	Site Type Water Transfer Station
Date Release Discovered 6/1/2022	API# (if applicable)

Unit Letter	Section	Township	Range	County
F	15	20S	24E	Eddy

Surface Owner: State Federal Tribal Private (Name: COG Operating, LLC)

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) Unknown	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) Unknown	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" 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 Historical impacts were discovered during the decommissioning process of the location. The environmental consultant contracted to investigate the area determined on 6/1/2022, based on the impacted area footprint, that the release more than likely breached the reportable volume threshold.

State of New Mexico
Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" 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: <u>Amber Griffin</u> Title: <u>Rep Safety & Environmental Sr</u> Signature: <u><i>Amber Griffin</i></u> Date: <u>6/2/2022</u> email: <u>amber_griffin@eogresources.com</u> Telephone: <u>575-748-1471</u>
<u>OCD Only</u> Received by: <u>jocelyn Harimon</u> Date: <u>06/02/2022</u>

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Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	UNK (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

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Printed Name: Amber Griffin Title: Rep Safety & Environmental Sr

Signature: *Amber Griffin* Date: 8/25/2022

email: amber_griffin@eogresources.com Telephone: 575-748-1471

OCD Only

Received by: Jocelyn Harimon Date: 08/25/2022

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Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.

- Detailed description of proposed remediation technique
- Scaled sitemap with GPS coordinates showing delineation points
- Estimated volume of material to be remediated
- Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: Amber Griffin Title: Rep Safety & Environmental Sr

Signature: Amber Griffin Date: 8/25/2022

email: amber_griffin@eogresources.com Telephone: 575-748-1471

OCD Only

Received by: Jocelyn Harimon Date: 08/25/2022

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: _____ Date: _____

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
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 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 113079

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 113079
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141	6/2/2022

2135 S. Loop 250 W,
Midland, TX 79703
United States
www.ghd.com

Our ref: 12585792

24 August 2022

New Mexico Oil Conservation Division
District 2
811 South First Street
Artesia, New Mexico 88210

Re: **Site Characterization and Remediation Work Plan
Saguaro Water Transfer Release Site
EOG Resources Inc.
Incident ID: nAPP2215335874
F-15-20S-24E, Eddy County New Mexico**

1. Introduction

GHD Services, Inc. (GHD), on behalf of EOG Resources (EOG), submits this Site Characterization and Remediation Work Plan to the New Mexico Oil Conservation Division (NMOCD) District 2 Office. This Report provides documentation of delineation, sampling, and analyses that was conducted in the affected area at the EOG Saguaro Water Transfer Release Site (Site). In addition, this Report presents a Work Plan for remediation of affected soils identified at the Site. The Site is located in Unit Letter F, Section 15 of Township 20 South and Range 24 East in Eddy County, New Mexico. The GPS coordinates for the release site are 32.5753194° N latitude and 104.5788527° W longitude. The release occurred on land privately owned by COG Operating, LLC. Figure 1 depicts the Site location. The EOG production facility and other site details are depicted on Figure 2, Site Assessment: Soil Analytical Results Map.

2. Background Information

A C-141, Release Notification, for this release was submitted to the NMOCD on June 2, 2022. The C-141 stated that no known volume or date could be assigned to this historical release. The potential release area was discovered during EOG decommissioning process associated with this location. Soils within the former tank battery containment appeared to be discolored. On June 1, 2022, GHD was on Site to investigate if the stained soils constituted a reportable release. Based on the results of that investigation and after discussions between field personnel and environmental staff, EOG made the decision to go ahead and file a C-141 for this suspected release location.

The release falls under the jurisdiction of the NMOCD District 2 Office in Artesia, New Mexico. The NMOCD assigned the release with Incident Number nAPP2215335874. The Release Notification, Site Assessment/Characterization, and Remediation Plan portions of Form C-141 are attached to the front of this report.

3. Groundwater and Site Characterization

GHD characterized the Site according to Table I, Closure Criteria for Soils Impacted by a Release, (Table I) from New Mexico Administrative Code (NMAC) Title 19, Chapter 15, Part 29, Section 12 (NMAC 19.15.29.12).

According to the Site characterization evaluation and 19.15.29.12.C(4)(a)(i), the Site is located within an area of High Karst potential and must be treated as if groundwater is less than fifty (50) feet below ground surface (ft bgs). No other receptors (Groundwater, water wells, playas, or ordinance boundaries) were located within each specific boundary or distance from the Site. The Site characterization documentation (Karst Potential, Points of Diversion, Significant Watercourse, Wetlands, and FEMA maps) are provided in Attachment A. The soil and closure criteria are listed below.

General Site Characterization and Groundwater: Table 1

Site Characterization	Average Groundwater Depth (ft.)
Located in an area of High Karst Potential	Unknown, Treated as <50 ft.

Table 3.1 Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29.12)

Regulatory Standard	Chloride	TPH (GRO+DRO+MRO)	TPH (GRO+MRO)	BTEX	Benzene
19.15.29.13 Restoration, Reclamation and Re-Vegetation (Impacted Area 0-4 Feet)	600 mg/kg	100 mg/kg	---	50 mg/kg	10 mg/kg
19.15.29.12 NMAC Table I Closure Criteria for Soils Impacted by a Release	600 mg/kg	100 mg/kg	---	50 mg/kg	10 mg/kg
Notes: --- = not defined					

4. Initial Soil Delineation Assessment Summary and Findings

Between June 16 and July 12, 2022, GHD and EOG’s contractor Standard Safety and Supply (SS) installed thirteen (13) test pits, TP-1 through TP-13, within the suspected impacted area. Soil samples were collected at depths ranging from the surface to sixteen (16) ft bgs. All soil samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, total petroleum hydrocarbons (TPH) by Method 8015B Modified, and chloride by EPA Method 300 by Hall Environmental Analysis Laboratory (HEAL) in Albuquerque, New Mexico.

Analytical results indicated nine (9) of the thirteen (13) test pits had samples exceeding applicable Table I Closure Criteria for an area of high karst potential, at varying depths: TP-1, TP-2, TP-3, TP-4, TP-5, TP-6, TP-7, TP-11, and TP-13. Figure 2, Site Assessment: Soil Analytical Results Map, depicts the locations of the initial delineation samples. Analytical results are provided in Table 1 and in the Laboratory Analytical Reports provided in Attachment B.

5. nAPP2215335874 Proposed Work Plan

Sample locations TP-1, TP-2, TP-3, TP-4, TP-5, TP-6, TP-7, TP-11, and TP-13 exhibited Total TPH and/or chloride concentrations above Table I Closure Criteria to varying depths ranging from surface (0) ft to twelve (12) ft bgs.

GHD, on behalf of EOG, proposes to excavate soils in the area to the following depths:

- TP-1 will be excavated to five (5) to eight (8) ft bgs or until concentrations are below Table I Closure Criteria.
- TP-2 and TP-11 will be excavated to three (3) to four (4) ft bgs or until concentrations are below Table I Closure Criteria.
- TP-3 will be excavated to seven (7) to eight (8) ft bgs or until concentrations are below Table I Closure Criteria.
- TP-4 and TP-7 will be excavated to five (5) to six (6) ft bgs or until concentrations are below Table I Closure Criteria.
- TP-5 and TP-13 will be excavated to one (1) to two (2) ft bgs or until concentrations are below Table I Closure Criteria.
- TP-6 will be excavated to thirteen (13) to sixteen (16) ft bgs or until concentrations are below Table I Closure Criteria.

Once the excavation is complete composite confirmation samples will be collected from the bottom and sidewalls of the excavation from areas representing no more than two hundred (200) square feet. Discrete soil samples will be collected from the sidewalls if any staining is observed. All confirmation samples will be taken to a certified laboratory and analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300.

If confirmation samples exhibit benzene, BTEX, Total TPH, and chloride concentrations below Table I Closure Criteria, the excavation will be backfilled with non-impacted soil transported to the Site. Excavated soils will be transported to a NMOCD approved disposal facility for disposal. The anticipated volume of soil to be disposed of is approximately 1,083 to 1,374 cubic yards depending on the final dimensions of the excavation based on the depth and site conditions encountered. The excavation will be backfilled with non-impacted soil transported to the site. The remediation will be performed within 90 days after the work plan has been approved due to the volume of soil to be excavated and disposed of.

If you have any questions or comments concerning this Site Characterization and Remediation Work Plan, please do not hesitate to contact our Midland office at (432) 686-0086.

Sincerely,

GHD



Nate Reece
Environmental Scientist



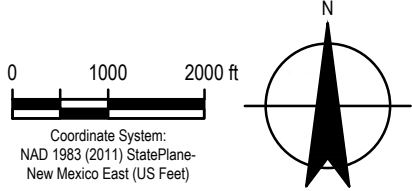
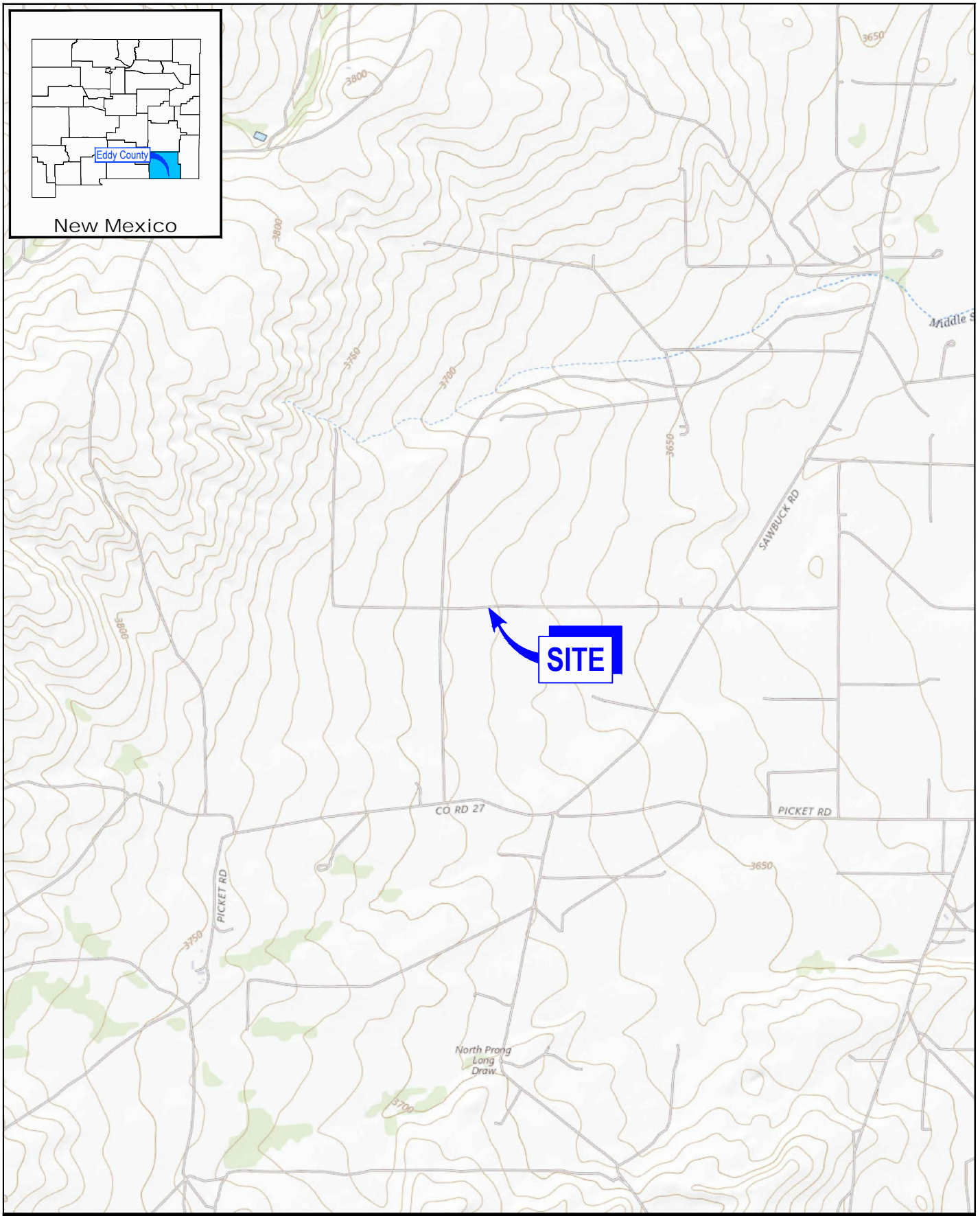
J.T. Murrey
Senior Project Director

NR/jtm/1

- Encl. Figure 1 – Site Location Map
- Figure 2 – Site Assessment: Soil Analytical Results Map
- Table 1 – Summary of Soil Analytical Data
- Attachment A – Site Characterization Documentation
- Attachment B – Laboratory Analytical Reports and Chain-of-Custody Documentation

CC: Amber Griffin

Figures



Coordinate System:
 NAD 1983 (2011) StatePlane-
 New Mexico East (US Feet)

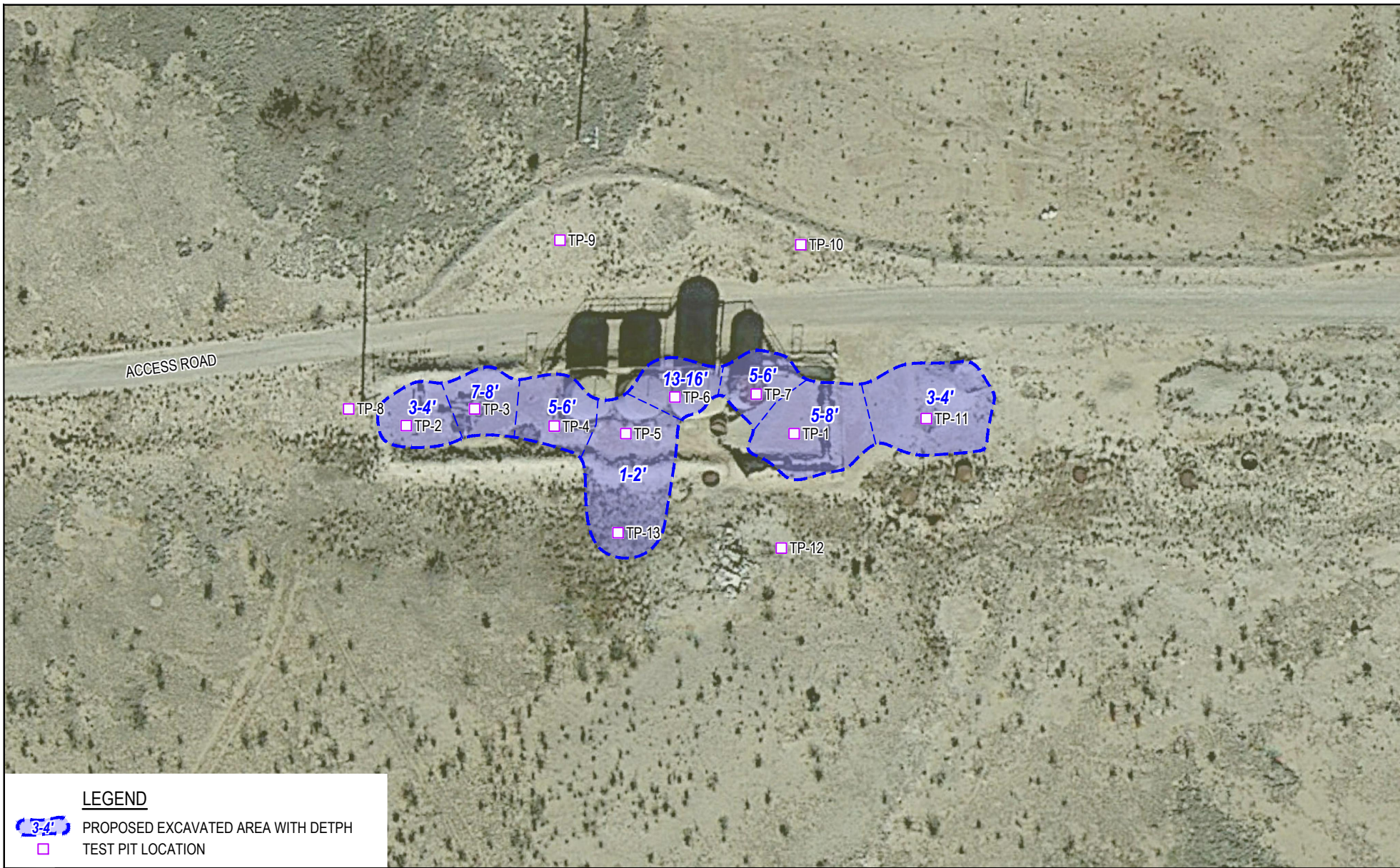


EOG RESOURCES
 EDDY COUNTY, NEW MEXICO
 SAGUARO WATER TRANSFER

Project No. 12585792
 Date August 2022

SITE LOCATION MAP

FIGURE 1



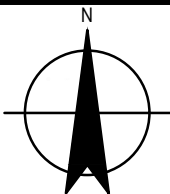
LEGEND

PROPOSED EXCAVATED AREA WITH DETPH

TEST PIT LOCATION



Coordinate System:
NAD 1983 (2011) StatePlane-
New Mexico East (US Feet)



EOG RESOURCES
EDDY COUNTY, NEW MEXICO
SAGUARO WATER TRANSFER

Project No. **12585792**
Date **August 2022**

SITE ASSESSMENT MAP

FIGURE 2

Tables

Table 1
Summary of Soil Analytical Data
Saguaro Water Transfer
EOG Resources
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH				Chloride
								GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	
								Table 1 Closure Criteria for Soils <50 feet Depth to Groundwater 19.15.29 NMAC				
10	---	---	---	50	---	---	---	100	600			
Initial Assessment Samples												
TP1-2	6/16/22	2	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	1,900	1,500	3,400	<60
TP1-4	6/16/22	4	<0.12	<0.24	0.41	4.7	5.11	420	3,100	1,600	5,120	150
TP1-8	7/11/22	8	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<15	<48	<48	<60
TP2-S	6/16/22	Surface	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<15	<50	<50	500
TP2-2	6/16/22	2	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<15	<50	<50	3,000
TP2-4	6/16/22	4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	18	<45	18	600
TP3-2	6/16/22	2	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<14	<48	<48	4,800
TP3-4	6/16/22	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<14	<48	<48	4,500
TP3-6	6/16/22	6	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<49	<49	2,500
TP3-8	7/11/22	8	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<50	<50	260
TP4-S	6/17/22	Surface	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	220	560	780	6,900
TP4-2	6/17/22	2	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<14	<46	<46	2,000
TP4-4	6/17/22	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<15	<49	<49	870
TP4-6	7/11/22	6	<0.25	<0.049	<0.049	<0.099	<0.099	<4.9	<14	<47	<47	<60
TP5-S	6/17/22	Surface	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	170	220	390	2,400
TP5-2	6/17/22	2	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<14	<48	<48	220
TP5-4	6/16/22	4	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	27	50	77	380
TP6-2	6/17/22	2	<0.12	<0.25	<0.25	<0.50	<0.50	<25	1,100	1,200	2,300	<60
TP6-8	6/17/22	8	<0.12	<0.25	0.82	1.2	2.02	230	1,800	710	2,740	1,200
TP6-12	6/17/22	12	0.82	<0.25	2.9	6.2	9.92	520	4,900	1,800	7,220	3,900
TP6-16	7/11/22	16	<0.25	<0.049	<0.049	<0.099	<0.099	<4.9	<14	<48	<48	580
TP7-S	6/17/22	Surface	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	1,200	1,400	2,600	<60
TP7-2	6/17/22	2	<0.12	<0.24	1.3	2.5	3.8	290	3,000	1,200	4,490	<60
TP7-4	6/17/22	4	0.14	<0.24	0.43	2.4	2.97	300	3,400	1,400	5,100	100
TP7-6	7/11/22	6	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<14	<48	<48	61
TP8-S	7/11/22	Surface	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<14	<48	<48	<60
TP8-2	7/11/22	2	<0.25	<0.049	<0.049	<0.098	<0.098	<4.9	<15	<50	<50	100

Table 1
Summary of Soil Analytical Data
Saguaro Water Transfer
EOG Resources
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH				Chloride
								GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	
								Table 1 Closure Criteria for Soils <50 feet Depth to Groundwater 19.15.29 NMAC				
10	---	---	---	50	---	---	---	100	600			
TP9-S	7/12/22	Surface	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<15	<49	<49	<60
TP9-2	7/12/22	2	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<15	<50	<50	220
TP10-S	7/12/22	Surface	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<14	<48	<48	<60
TP10-2	7/12/22	2	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<15	<50	<50	220
TP11-S	7/12/22	Surface	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	63	63	330
TP11-2	7/12/22	2	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<15	<50	<50	1,300
TP11-4	7/12/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<15	<49	<49	86
TP12-S	7/12/22	Surface	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<14	<48	<48	<60
TP12-2	7/12/22	2	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<15	<49	<49	<60
TP13-S	7/12/22	Surface	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	260	760	1,020	<60
TP13-2	7/12/22	2	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<47	<47	<60

Notes:

1. Values reported in mg/kg
2. < = Value Less than Reporting Limit (RL)
3. Bold Indicates Analyte Detected
4. BTEX analyses by EPA Method SW 8021B.
5. TPH analyses by EPA Method SW 8015 Mod.
6. GRO/DRO/MRO = Gasoline/Diesel/Motor Oil
7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table 1 Closure Criteria for the site.
8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table 1 Closure Criteria for the site (Surface to 4 Feet Below Grade).
9. J - the target analytes was positively identified below the quantitation limit and above the detection limit.

B-BH-2 Sample Point Excavated

Attachment A

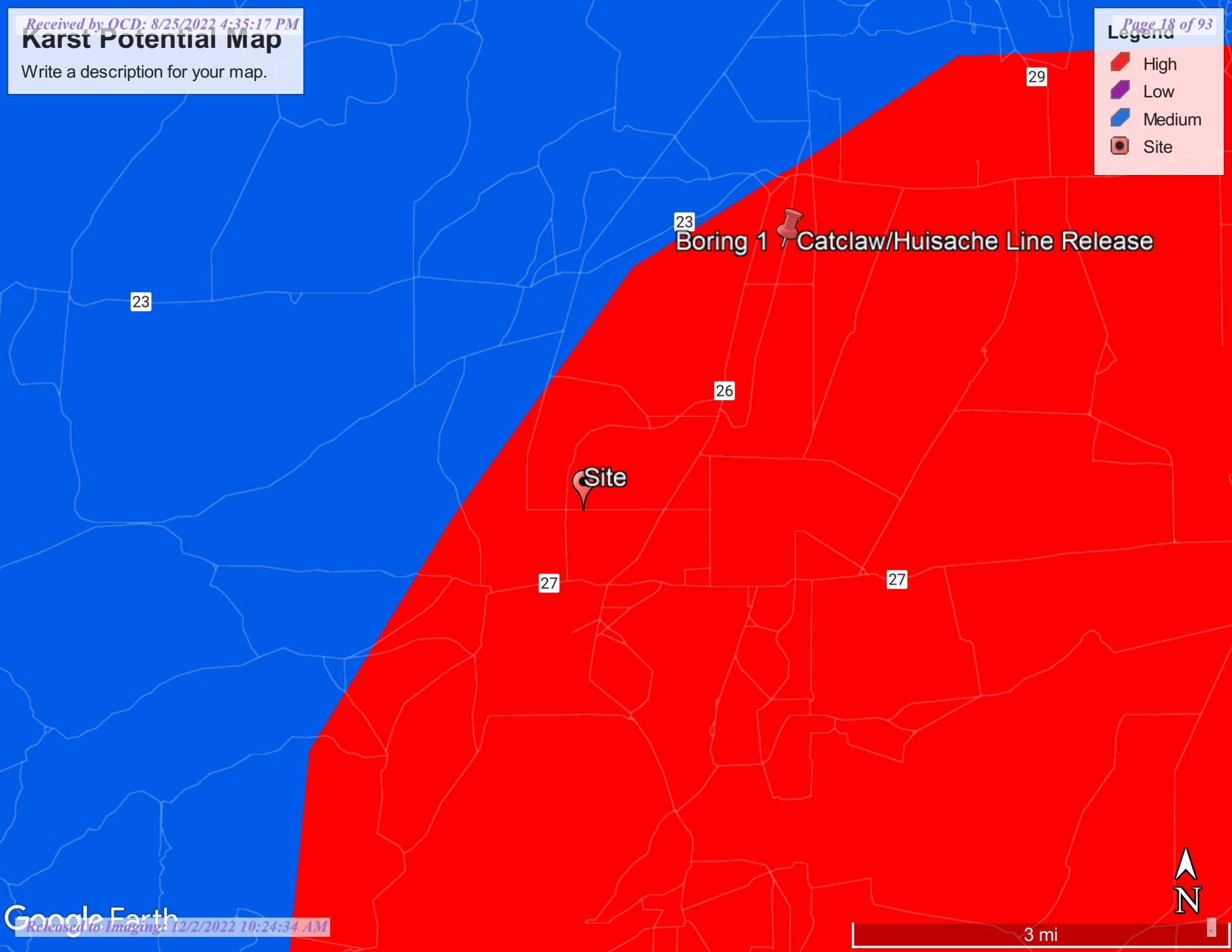
Site Characterization Documentation

Karst Potential Map

Write a description for your map.

Legend

- High
- Low
- Medium
- Site



Boring 1  Catclaw/Huisache Line Release

Site

23

23

29

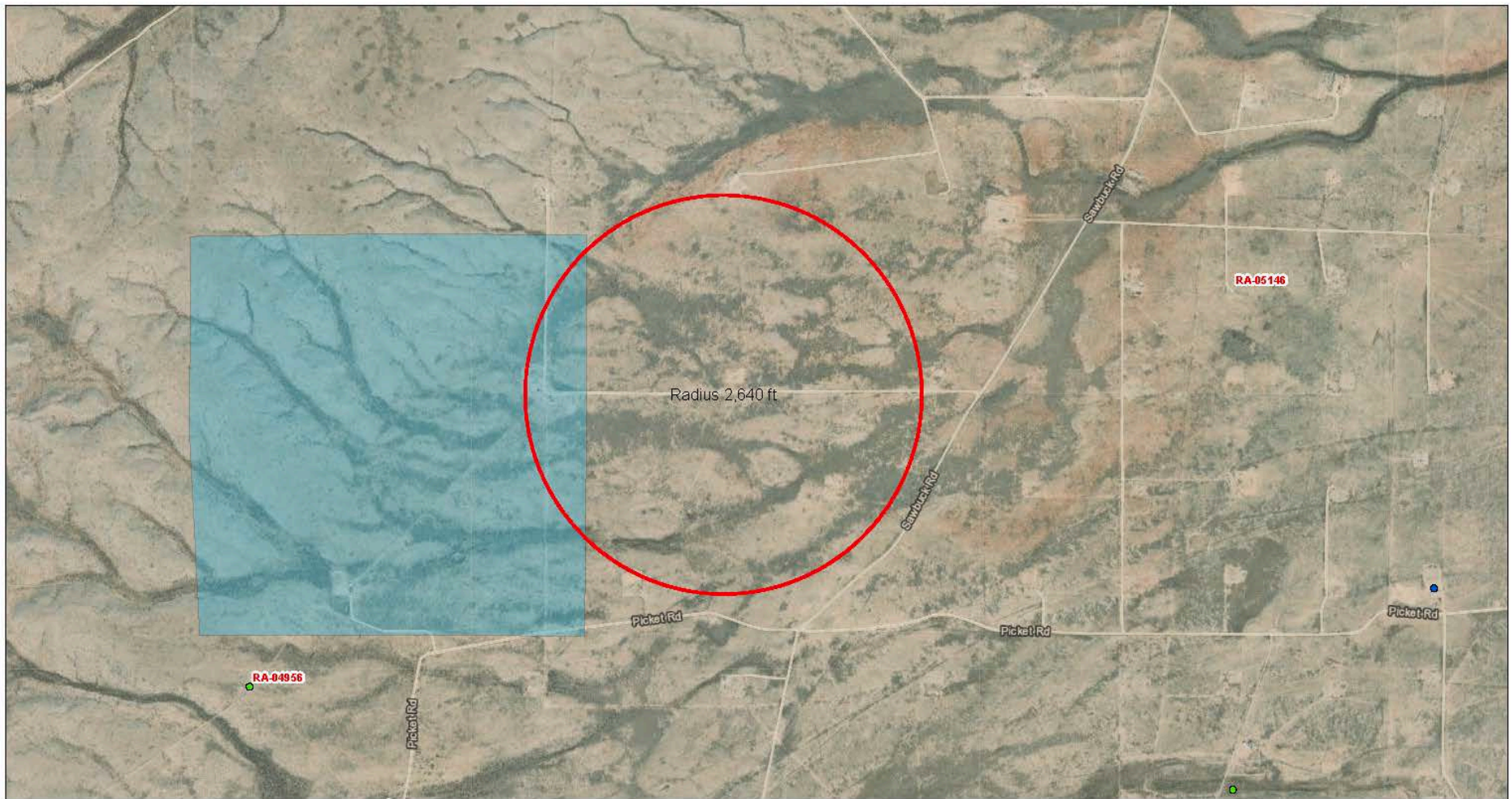
26

27

27

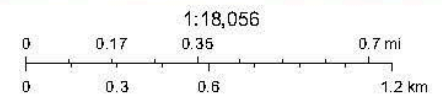


OSE POD Locations Map



6/29/2022, 1:09:51 PM

- Override 1
- OSE District Boundary
- New Mexico State Trust Lands
- Both Estates
- Site Boundaries
- Active
- Closure Area
- Pending



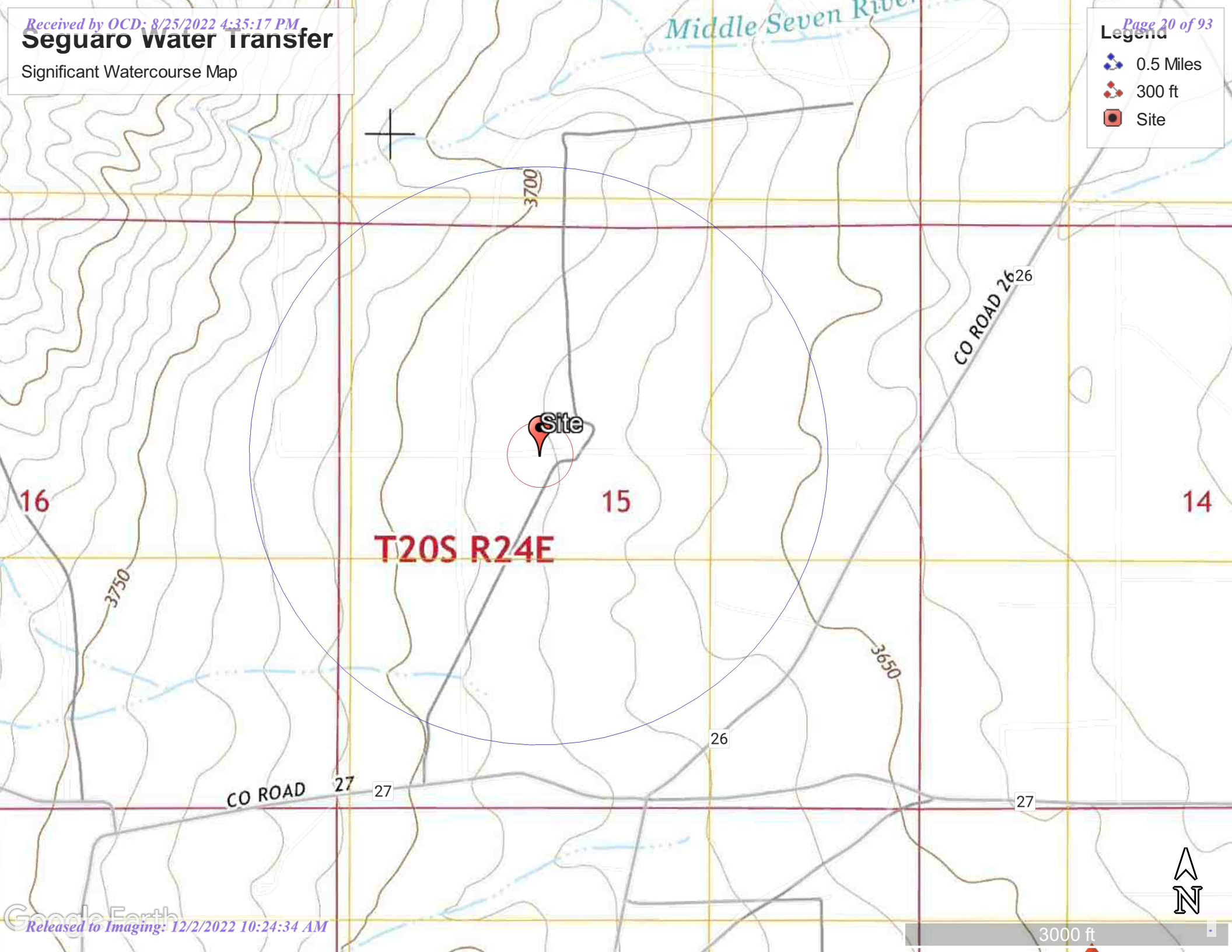
Esri, HERE, GeoTechnologies, Inc., Esri, HERE, Gamin, GeoTechnologies, Inc., U.S. Department of Energy Office of Legacy Management, Maxar

Unofficial Online Map
These maps are distributed "as is" without warranty of any kind.

Page 20 of 93

Legend

- 0.5 Miles
- 300 ft
- Site





Wetlands Map



June 29, 2022

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Flood Hazard Layer FIRMMette



104°35'3"W 32°34'46"N



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard <i>Zone D</i>
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
MAP PANELS		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
		Digital Data Available
		No Digital Data Available
		Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

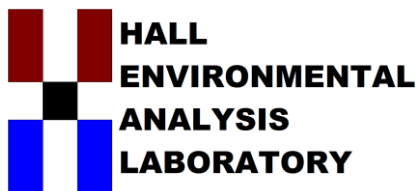
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/29/2022 at 3:02 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Attachment B

Laboratory Analytical Reports and Chain-of-Custody Documentation



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

July 01, 2022

Becky Haskell
GHD Midland
2135 S Loop 250 W
Midland, TX 79703
TEL: (432) 686-0086
FAX:

RE: Saguaro Water Transfer

OrderNo.: 2206995

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 20 sample(s) on 6/18/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a white background.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order **2206995**

Date Reported: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP4-5'

Project: Saguario Water Transfer

Collection Date: 6/17/2022 10:05:00 AM

Lab ID: 2206995-001

Matrix: SOIL

Received Date: 6/18/2022 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	6900	300		mg/Kg	100	6/24/2022 2:43:56 PM	68312
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	220	140		mg/Kg	10	6/22/2022 7:26:42 PM	68233
Motor Oil Range Organics (MRO)	560	460		mg/Kg	10	6/22/2022 7:26:42 PM	68233
Surr: DNOP	0	51.1-141	S	%Rec	10	6/22/2022 7:26:42 PM	68233
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/21/2022 9:23:00 PM	68222
Surr: BFB	86.1	37.7-212		%Rec	1	6/21/2022 9:23:00 PM	68222
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/21/2022 9:23:00 PM	68222
Toluene	ND	0.048		mg/Kg	1	6/21/2022 9:23:00 PM	68222
Ethylbenzene	ND	0.048		mg/Kg	1	6/21/2022 9:23:00 PM	68222
Xylenes, Total	ND	0.096		mg/Kg	1	6/21/2022 9:23:00 PM	68222
Surr: 4-Bromofluorobenzene	82.6	70-130		%Rec	1	6/21/2022 9:23:00 PM	68222

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order 2206995

Date Reported: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP4-2'

Project: Saguaro Water Transfer

Collection Date: 6/17/2022 10:15:00 AM

Lab ID: 2206995-002

Matrix: SOIL

Received Date: 6/18/2022 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	2000	60		mg/Kg	20	6/23/2022 4:49:54 PM	68312
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/22/2022 7:37:43 PM	68233
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	6/22/2022 7:37:43 PM	68233
Surr: DNOP	88.2	51.1-141		%Rec	1	6/22/2022 7:37:43 PM	68233
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/21/2022 9:42:00 PM	68222
Surr: BFB	87.0	37.7-212		%Rec	1	6/21/2022 9:42:00 PM	68222
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/21/2022 9:42:00 PM	68222
Toluene	ND	0.047		mg/Kg	1	6/21/2022 9:42:00 PM	68222
Ethylbenzene	ND	0.047		mg/Kg	1	6/21/2022 9:42:00 PM	68222
Xylenes, Total	ND	0.095		mg/Kg	1	6/21/2022 9:42:00 PM	68222
Surr: 4-Bromofluorobenzene	85.3	70-130		%Rec	1	6/21/2022 9:42:00 PM	68222

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:			
*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206995**

Date Reported: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP4-4'

Project: Saguaro Water Transfer

Collection Date: 6/17/2022 10:25:00 AM

Lab ID: 2206995-003

Matrix: SOIL

Received Date: 6/18/2022 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	870	60		mg/Kg	20	6/23/2022 5:02:18 PM	68312
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/22/2022 7:48:44 PM	68233
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/22/2022 7:48:44 PM	68233
Surr: DNOP	95.3	51.1-141		%Rec	1	6/22/2022 7:48:44 PM	68233
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/21/2022 10:02:00 PM	68222
Surr: BFB	89.3	37.7-212		%Rec	1	6/21/2022 10:02:00 PM	68222
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/21/2022 10:02:00 PM	68222
Toluene	ND	0.048		mg/Kg	1	6/21/2022 10:02:00 PM	68222
Ethylbenzene	ND	0.048		mg/Kg	1	6/21/2022 10:02:00 PM	68222
Xylenes, Total	ND	0.096		mg/Kg	1	6/21/2022 10:02:00 PM	68222
Surr: 4-Bromofluorobenzene	85.7	70-130		%Rec	1	6/21/2022 10:02:00 PM	68222

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206995**

Date Reported: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP5-S

Project: Saguario Water Transfer

Collection Date: 6/17/2022 10:45:00 AM

Lab ID: 2206995-004

Matrix: SOIL

Received Date: 6/18/2022 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	2400	60		mg/Kg	20	6/23/2022 5:14:42 PM	68312
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	170	13		mg/Kg	1	6/24/2022 3:05:06 PM	68233
Motor Oil Range Organics (MRO)	220	43		mg/Kg	1	6/24/2022 3:05:06 PM	68233
Surr: DNOP	88.7	51.1-141		%Rec	1	6/24/2022 3:05:06 PM	68233
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	6/21/2022 10:22:00 PM	68222
Surr: BFB	84.3	37.7-212		%Rec	1	6/21/2022 10:22:00 PM	68222
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.023		mg/Kg	1	6/21/2022 10:22:00 PM	68222
Toluene	ND	0.046		mg/Kg	1	6/21/2022 10:22:00 PM	68222
Ethylbenzene	ND	0.046		mg/Kg	1	6/21/2022 10:22:00 PM	68222
Xylenes, Total	ND	0.092		mg/Kg	1	6/21/2022 10:22:00 PM	68222
Surr: 4-Bromofluorobenzene	82.7	70-130		%Rec	1	6/21/2022 10:22:00 PM	68222

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Estimated value
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of range due to dilution or matrix interference	

Analytical Report

Lab Order **2206995**

Date Reported: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP5-2'

Project: Saguaro Water Transfer

Collection Date: 6/17/2022 10:55:00 AM

Lab ID: 2206995-005

Matrix: SOIL

Received Date: 6/18/2022 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	220	60		mg/Kg	20	6/23/2022 5:27:06 PM	68312
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/22/2022 8:10:38 PM	68233
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/22/2022 8:10:38 PM	68233
Surr: DNOP	96.7	51.1-141		%Rec	1	6/22/2022 8:10:38 PM	68233
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/21/2022 10:41:00 PM	68222
Surr: BFB	90.3	37.7-212		%Rec	1	6/21/2022 10:41:00 PM	68222
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/21/2022 10:41:00 PM	68222
Toluene	ND	0.048		mg/Kg	1	6/21/2022 10:41:00 PM	68222
Ethylbenzene	ND	0.048		mg/Kg	1	6/21/2022 10:41:00 PM	68222
Xylenes, Total	ND	0.096		mg/Kg	1	6/21/2022 10:41:00 PM	68222
Surr: 4-Bromofluorobenzene	85.4	70-130		%Rec	1	6/21/2022 10:41:00 PM	68222

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206995**

Date Reported: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP5-4'

Project: Saguaro Water Transfer

Collection Date: 6/17/2022 11:05:00 AM

Lab ID: 2206995-006

Matrix: SOIL

Received Date: 6/18/2022 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	380	61		mg/Kg	20	6/23/2022 5:39:31 PM	68312
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	27	14		mg/Kg	1	6/22/2022 8:21:32 PM	68233
Motor Oil Range Organics (MRO)	50	47		mg/Kg	1	6/22/2022 8:21:32 PM	68233
Surr: DNOP	92.2	51.1-141		%Rec	1	6/22/2022 8:21:32 PM	68233
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/21/2022 11:01:00 PM	68222
Surr: BFB	87.0	37.7-212		%Rec	1	6/21/2022 11:01:00 PM	68222
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/21/2022 11:01:00 PM	68222
Toluene	ND	0.049		mg/Kg	1	6/21/2022 11:01:00 PM	68222
Ethylbenzene	ND	0.049		mg/Kg	1	6/21/2022 11:01:00 PM	68222
Xylenes, Total	ND	0.098		mg/Kg	1	6/21/2022 11:01:00 PM	68222
Surr: 4-Bromofluorobenzene	87.9	70-130		%Rec	1	6/21/2022 11:01:00 PM	68222

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206995**

Date Reported: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP6-2'

Project: Saguario Water Transfer

Collection Date: 6/17/2022 12:10:00 PM

Lab ID: 2206995-007

Matrix: SOIL

Received Date: 6/18/2022 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	6/23/2022 5:51:55 PM	68312
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	1100	140		mg/Kg	10	6/22/2022 8:32:30 PM	68233
Motor Oil Range Organics (MRO)	1200	470		mg/Kg	10	6/22/2022 8:32:30 PM	68233
Surr: DNOP	0	51.1-141	S	%Rec	10	6/22/2022 8:32:30 PM	68233
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	6/21/2022 11:21:00 PM	68222
Surr: BFB	143	37.7-212		%Rec	5	6/21/2022 11:21:00 PM	68222
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.12		mg/Kg	5	6/21/2022 11:21:00 PM	68222
Toluene	ND	0.25		mg/Kg	5	6/21/2022 11:21:00 PM	68222
Ethylbenzene	ND	0.25		mg/Kg	5	6/21/2022 11:21:00 PM	68222
Xylenes, Total	ND	0.50		mg/Kg	5	6/21/2022 11:21:00 PM	68222
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	5	6/21/2022 11:21:00 PM	68222

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206995**

Date Reported: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP6-8'

Project: Saguaro Water Transfer

Collection Date: 6/17/2022 12:20:00 PM

Lab ID: 2206995-008

Matrix: SOIL

Received Date: 6/18/2022 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	1200	60		mg/Kg	20	6/23/2022 6:04:19 PM	68312
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	1800	150		mg/Kg	10	6/24/2022 11:38:28 AM	68233
Motor Oil Range Organics (MRO)	710	500		mg/Kg	10	6/24/2022 11:38:28 AM	68233
Surr: DNOP	0	51.1-141	S	%Rec	10	6/24/2022 11:38:28 AM	68233
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	230	25		mg/Kg	5	6/23/2022 4:13:00 AM	68222
Surr: BFB	267	37.7-212	S	%Rec	5	6/23/2022 4:13:00 AM	68222
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.12		mg/Kg	5	6/23/2022 4:13:00 AM	68222
Toluene	ND	0.25		mg/Kg	5	6/23/2022 4:13:00 AM	68222
Ethylbenzene	0.82	0.25		mg/Kg	5	6/23/2022 4:13:00 AM	68222
Xylenes, Total	1.2	0.50		mg/Kg	5	6/23/2022 4:13:00 AM	68222
Surr: 4-Bromofluorobenzene	178	70-130	S	%Rec	5	6/23/2022 4:13:00 AM	68222

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206995**

Date Reported: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP6-12'

Project: Saguario Water Transfer

Collection Date: 6/17/2022 12:30:00 PM

Lab ID: 2206995-009

Matrix: SOIL

Received Date: 6/18/2022 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	3900	150		mg/Kg	50	6/24/2022 2:56:16 PM	68312
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	4900	130		mg/Kg	10	6/24/2022 2:22:24 PM	68233
Motor Oil Range Organics (MRO)	1800	430		mg/Kg	10	6/24/2022 2:22:24 PM	68233
Surr: DNOP	181	51.1-141	S	%Rec	10	6/24/2022 2:22:24 PM	68233
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	520	25		mg/Kg	5	6/23/2022 4:33:00 AM	68222
Surr: BFB	427	37.7-212	S	%Rec	5	6/23/2022 4:33:00 AM	68222
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	0.82	0.12		mg/Kg	5	6/23/2022 4:33:00 AM	68222
Toluene	ND	0.25		mg/Kg	5	6/23/2022 4:33:00 AM	68222
Ethylbenzene	2.9	0.25		mg/Kg	5	6/23/2022 4:33:00 AM	68222
Xylenes, Total	6.2	0.49		mg/Kg	5	6/23/2022 4:33:00 AM	68222
Surr: 4-Bromofluorobenzene	161	70-130	S	%Rec	5	6/23/2022 4:33:00 AM	68222

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206995**

Date Reported: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP7-S

Project: Saguario Water Transfer

Collection Date: 6/17/2022 1:20:00 PM

Lab ID: 2206995-010

Matrix: SOIL

Received Date: 6/18/2022 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	6/23/2022 6:29:08 PM	68312
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	1200	130		mg/Kg	10	6/23/2022 5:15:21 PM	68233
Motor Oil Range Organics (MRO)	1400	440		mg/Kg	10	6/23/2022 5:15:21 PM	68233
Surr: DNOP	0	51.1-141	S	%Rec	10	6/23/2022 5:15:21 PM	68233
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/22/2022 12:40:00 AM	68222
Surr: BFB	87.9	37.7-212		%Rec	1	6/22/2022 12:40:00 AM	68222
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/22/2022 12:40:00 AM	68222
Toluene	ND	0.049		mg/Kg	1	6/22/2022 12:40:00 AM	68222
Ethylbenzene	ND	0.049		mg/Kg	1	6/22/2022 12:40:00 AM	68222
Xylenes, Total	ND	0.097		mg/Kg	1	6/22/2022 12:40:00 AM	68222
Surr: 4-Bromofluorobenzene	85.0	70-130		%Rec	1	6/22/2022 12:40:00 AM	68222

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206995**

Date Reported: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP7-2'

Project: Saguario Water Transfer

Collection Date: 6/17/2022 1:30:00 PM

Lab ID: 2206995-011

Matrix: SOIL

Received Date: 6/18/2022 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	6/23/2022 6:41:32 PM	68312
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	3000	140		mg/Kg	10	6/24/2022 11:59:53 AM	68233
Motor Oil Range Organics (MRO)	1200	470		mg/Kg	10	6/24/2022 11:59:53 AM	68233
Surr: DNOP	0	51.1-141	S	%Rec	10	6/24/2022 11:59:53 AM	68233
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	290	24		mg/Kg	5	6/23/2022 4:52:00 AM	68222
Surr: BFB	272	37.7-212	S	%Rec	5	6/23/2022 4:52:00 AM	68222
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.12		mg/Kg	5	6/23/2022 4:52:00 AM	68222
Toluene	ND	0.24		mg/Kg	5	6/23/2022 4:52:00 AM	68222
Ethylbenzene	1.3	0.24		mg/Kg	5	6/23/2022 4:52:00 AM	68222
Xylenes, Total	2.5	0.49		mg/Kg	5	6/23/2022 4:52:00 AM	68222
Surr: 4-Bromofluorobenzene	192	70-130	S	%Rec	5	6/23/2022 4:52:00 AM	68222

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206995**

Date Reported: **7/1/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP7-4'

Project: Saguaro Water Transfer

Collection Date: 6/17/2022 1:40:00 PM

Lab ID: 2206995-012

Matrix: SOIL

Received Date: 6/18/2022 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	100	60		mg/Kg	20	6/23/2022 7:18:46 PM	68312
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	3400	150		mg/Kg	10	6/24/2022 12:10:37 PM	68233
Motor Oil Range Organics (MRO)	1400	500		mg/Kg	10	6/24/2022 12:10:37 PM	68233
Surr: DNOP	0	51.1-141	S	%Rec	10	6/24/2022 12:10:37 PM	68233
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	300	24		mg/Kg	5	6/23/2022 5:12:00 AM	68222
Surr: BFB	296	37.7-212	S	%Rec	5	6/23/2022 5:12:00 AM	68222
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	0.14	0.12		mg/Kg	5	6/23/2022 5:12:00 AM	68222
Toluene	ND	0.24		mg/Kg	5	6/23/2022 5:12:00 AM	68222
Ethylbenzene	0.43	0.24		mg/Kg	5	6/23/2022 5:12:00 AM	68222
Xylenes, Total	2.4	0.47		mg/Kg	5	6/23/2022 5:12:00 AM	68222
Surr: 4-Bromofluorobenzene	136	70-130	S	%Rec	5	6/23/2022 5:12:00 AM	68222

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206995**

Date Reported: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP1-2'

Project: Saguario Water Transfer

Collection Date: 6/16/2022 10:20:00 AM

Lab ID: 2206995-013

Matrix: SOIL

Received Date: 6/18/2022 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	6/23/2022 7:31:11 PM	68312
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	1900	140		mg/Kg	10	6/24/2022 12:21:22 PM	68233
Motor Oil Range Organics (MRO)	1500	470		mg/Kg	10	6/24/2022 12:21:22 PM	68233
Surr: DNOP	0	51.1-141	S	%Rec	10	6/24/2022 12:21:22 PM	68233
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/23/2022 5:32:00 AM	68222
Surr: BFB	102	37.7-212		%Rec	1	6/23/2022 5:32:00 AM	68222
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/23/2022 5:32:00 AM	68222
Toluene	ND	0.049		mg/Kg	1	6/23/2022 5:32:00 AM	68222
Ethylbenzene	ND	0.049		mg/Kg	1	6/23/2022 5:32:00 AM	68222
Xylenes, Total	ND	0.098		mg/Kg	1	6/23/2022 5:32:00 AM	68222
Surr: 4-Bromofluorobenzene	86.8	70-130		%Rec	1	6/23/2022 5:32:00 AM	68222

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206995**

Date Reported: **7/1/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP1-4'

Project: Saguaro Water Transfer

Collection Date: 6/16/2022 10:30:00 AM

Lab ID: 2206995-014

Matrix: SOIL

Received Date: 6/18/2022 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	150	60		mg/Kg	20	6/23/2022 7:43:35 PM	68312
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	3100	130		mg/Kg	10	6/24/2022 12:32:06 PM	68233
Motor Oil Range Organics (MRO)	1600	450		mg/Kg	10	6/24/2022 12:32:06 PM	68233
Surr: DNOP	0	51.1-141	S	%Rec	10	6/24/2022 12:32:06 PM	68233
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	420	24		mg/Kg	5	6/23/2022 5:52:00 AM	68222
Surr: BFB	286	37.7-212	S	%Rec	5	6/23/2022 5:52:00 AM	68222
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.12		mg/Kg	5	6/23/2022 5:52:00 AM	68222
Toluene	ND	0.24		mg/Kg	5	6/23/2022 5:52:00 AM	68222
Ethylbenzene	0.41	0.24		mg/Kg	5	6/23/2022 5:52:00 AM	68222
Xylenes, Total	4.7	0.48		mg/Kg	5	6/23/2022 5:52:00 AM	68222
Surr: 4-Bromofluorobenzene	136	70-130	S	%Rec	5	6/23/2022 5:52:00 AM	68222

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206995**

Date Reported: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP2-S

Project: Saguaro Water Transfer

Collection Date: 6/16/2022 10:45:00 AM

Lab ID: 2206995-015

Matrix: SOIL

Received Date: 6/18/2022 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	500	60		mg/Kg	20	6/23/2022 7:55:59 PM	68312
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/23/2022 3:50:16 AM	68272
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/23/2022 3:50:16 AM	68272
Surr: DNOP	112	51.1-141		%Rec	1	6/23/2022 3:50:16 AM	68272
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/22/2022 9:30:00 AM	68229
Surr: BFB	91.0	37.7-212		%Rec	1	6/22/2022 9:30:00 AM	68229
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	6/22/2022 9:30:00 AM	68229
Toluene	ND	0.050		mg/Kg	1	6/22/2022 9:30:00 AM	68229
Ethylbenzene	ND	0.050		mg/Kg	1	6/22/2022 9:30:00 AM	68229
Xylenes, Total	ND	0.099		mg/Kg	1	6/22/2022 9:30:00 AM	68229
Surr: 4-Bromofluorobenzene	86.2	70-130		%Rec	1	6/22/2022 9:30:00 AM	68229

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206995**

Date Reported: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP2-2'

Project: Saguario Water Transfer

Collection Date: 6/16/2022 1:00:00 PM

Lab ID: 2206995-016

Matrix: SOIL

Received Date: 6/18/2022 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	3000	150		mg/Kg	50	6/24/2022 3:33:19 PM	68312
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/23/2022 4:32:18 PM	68233
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/23/2022 4:32:18 PM	68233
Surr: DNOP	94.2	51.1-141		%Rec	1	6/23/2022 4:32:18 PM	68233
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/22/2022 2:18:00 AM	68222
Surr: BFB	87.4	37.7-212		%Rec	1	6/22/2022 2:18:00 AM	68222
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/22/2022 2:18:00 AM	68222
Toluene	ND	0.049		mg/Kg	1	6/22/2022 2:18:00 AM	68222
Ethylbenzene	ND	0.049		mg/Kg	1	6/22/2022 2:18:00 AM	68222
Xylenes, Total	ND	0.097		mg/Kg	1	6/22/2022 2:18:00 AM	68222
Surr: 4-Bromofluorobenzene	86.5	70-130		%Rec	1	6/22/2022 2:18:00 AM	68222

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206995**

Date Reported: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP2-4'

Project: Saguaro Water Transfer

Collection Date: 6/16/2022 1:10:00 PM

Lab ID: 2206995-017

Matrix: SOIL

Received Date: 6/18/2022 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	600	60		mg/Kg	20	6/23/2022 8:20:48 PM	68312
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	18	14		mg/Kg	1	6/23/2022 4:43:04 PM	68233
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	6/23/2022 4:43:04 PM	68233
Surr: DNOP	94.4	51.1-141		%Rec	1	6/23/2022 4:43:04 PM	68233
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/22/2022 2:38:00 AM	68222
Surr: BFB	85.0	37.7-212		%Rec	1	6/22/2022 2:38:00 AM	68222
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	6/22/2022 2:38:00 AM	68222
Toluene	ND	0.050		mg/Kg	1	6/22/2022 2:38:00 AM	68222
Ethylbenzene	ND	0.050		mg/Kg	1	6/22/2022 2:38:00 AM	68222
Xylenes, Total	ND	0.099		mg/Kg	1	6/22/2022 2:38:00 AM	68222
Surr: 4-Bromofluorobenzene	86.1	70-130		%Rec	1	6/22/2022 2:38:00 AM	68222

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206995**

Date Reported: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP3-2'

Project: Saguario Water Transfer

Collection Date: 6/16/2022 1:30:00 PM

Lab ID: 2206995-018

Matrix: SOIL

Received Date: 6/18/2022 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	4800	150		mg/Kg	50	6/24/2022 3:45:41 PM	68312
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/23/2022 4:53:50 PM	68233
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/23/2022 4:53:50 PM	68233
Surr: DNOP	95.9	51.1-141		%Rec	1	6/23/2022 4:53:50 PM	68233
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	6/22/2022 2:57:00 AM	68222
Surr: BFB	90.8	37.7-212		%Rec	1	6/22/2022 2:57:00 AM	68222
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.023		mg/Kg	1	6/22/2022 2:57:00 AM	68222
Toluene	ND	0.046		mg/Kg	1	6/22/2022 2:57:00 AM	68222
Ethylbenzene	ND	0.046		mg/Kg	1	6/22/2022 2:57:00 AM	68222
Xylenes, Total	ND	0.092		mg/Kg	1	6/22/2022 2:57:00 AM	68222
Surr: 4-Bromofluorobenzene	88.5	70-130		%Rec	1	6/22/2022 2:57:00 AM	68222

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206995**

Date Reported: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP3-4'

Project: Saguaro Water Transfer

Collection Date: 6/16/2022 1:40:00 PM

Lab ID: 2206995-019

Matrix: SOIL

Received Date: 6/18/2022 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	4500	150		mg/Kg	50	6/24/2022 3:58:01 PM	68321
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/23/2022 5:54:49 PM	68271
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/23/2022 5:54:49 PM	68271
Surr: DNOP	109	51.1-141		%Rec	1	6/23/2022 5:54:49 PM	68271
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/22/2022 3:17:00 AM	68222
Surr: BFB	85.9	37.7-212		%Rec	1	6/22/2022 3:17:00 AM	68222
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/22/2022 3:17:00 AM	68222
Toluene	ND	0.048		mg/Kg	1	6/22/2022 3:17:00 AM	68222
Ethylbenzene	ND	0.048		mg/Kg	1	6/22/2022 3:17:00 AM	68222
Xylenes, Total	ND	0.096		mg/Kg	1	6/22/2022 3:17:00 AM	68222
Surr: 4-Bromofluorobenzene	85.6	70-130		%Rec	1	6/22/2022 3:17:00 AM	68222

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206995**

Date Reported: 7/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP3-6'

Project: Saguaro Water Transfer

Collection Date: 6/16/2022 1:50:00 PM

Lab ID: 2206995-020

Matrix: SOIL

Received Date: 6/18/2022 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	2500	150		mg/Kg	50	6/24/2022 4:10:22 PM	68321
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/23/2022 4:22:48 AM	68272
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/23/2022 4:22:48 AM	68272
Surr: DNOP	87.2	51.1-141		%Rec	1	6/23/2022 4:22:48 AM	68272
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/22/2022 10:29:00 AM	68229
Surr: BFB	84.3	37.7-212		%Rec	1	6/22/2022 10:29:00 AM	68229
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	6/22/2022 10:29:00 AM	68229
Toluene	ND	0.050		mg/Kg	1	6/22/2022 10:29:00 AM	68229
Ethylbenzene	ND	0.050		mg/Kg	1	6/22/2022 10:29:00 AM	68229
Xylenes, Total	ND	0.10		mg/Kg	1	6/22/2022 10:29:00 AM	68229
Surr: 4-Bromofluorobenzene	83.7	70-130		%Rec	1	6/22/2022 10:29:00 AM	68229

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2206995

01-Jul-22

Client: GHD Midland
Project: Saguaro Water Transfer

Sample ID: MB-68312	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 68312	RunNo: 89005								
Prep Date: 6/23/2022	Analysis Date: 6/23/2022	SeqNo: 3160852	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-68312	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 68312	RunNo: 89005								
Prep Date: 6/23/2022	Analysis Date: 6/23/2022	SeqNo: 3160853	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.3	90	110			

Sample ID: MB-68321	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 68321	RunNo: 89005								
Prep Date: 6/23/2022	Analysis Date: 6/23/2022	SeqNo: 3160895	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-68321	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 68321	RunNo: 89005								
Prep Date: 6/23/2022	Analysis Date: 6/23/2022	SeqNo: 3160896	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.2	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2206995

01-Jul-22

Client: GHD Midland
Project: Saguaro Water Transfer

Sample ID: LCS-68211	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 68211	RunNo: 88913								
Prep Date: 6/17/2022	Analysis Date: 6/21/2022	SeqNo: 3158544	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	3.8		5.000		75.8	51.1	141			

Sample ID: MB-68211	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 68211	RunNo: 88913								
Prep Date: 6/17/2022	Analysis Date: 6/21/2022	SeqNo: 3158547	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.9		10.00		99.0	51.1	141			

Sample ID: MB-68233	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 68233	RunNo: 88913								
Prep Date: 6/20/2022	Analysis Date: 6/22/2022	SeqNo: 3158549	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		109	51.1	141			

Sample ID: LCS-68233	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 68233	RunNo: 88913								
Prep Date: 6/20/2022	Analysis Date: 6/22/2022	SeqNo: 3158876	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	56	15	50.00	0	112	64.4	127			
Surr: DNOP	5.3		5.000		107	51.1	141			

Sample ID: 2206995-015AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: TP2-S	Batch ID: 68272	RunNo: 88913								
Prep Date: 6/21/2022	Analysis Date: 6/23/2022	SeqNo: 3159302	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	15	50.35	0	102	36.1	154			
Surr: DNOP	4.2		5.035		83.6	51.1	141			

Sample ID: 2206995-015AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: TP2-S	Batch ID: 68272	RunNo: 88913								
Prep Date: 6/21/2022	Analysis Date: 6/23/2022	SeqNo: 3159303	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	15	50.05	0	86.2	36.1	154	17.2	33.9	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2206995

01-Jul-22

Client: GHD Midland
Project: Saguaro Water Transfer

Sample ID: 2206995-015AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: TP2-S	Batch ID: 68272	RunNo: 88913								
Prep Date: 6/21/2022	Analysis Date: 6/23/2022	SeqNo: 3159303	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	3.2		5.005		64.1	51.1	141	0	0	

Sample ID: LCS-68272	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 68272	RunNo: 88913								
Prep Date: 6/21/2022	Analysis Date: 6/23/2022	SeqNo: 3159355	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	15	50.00	0	100	64.4	127			
Surr: DNOP	3.7		5.000		73.7	51.1	141			

Sample ID: MB-68272	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 68272	RunNo: 88913								
Prep Date: 6/21/2022	Analysis Date: 6/23/2022	SeqNo: 3159357	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	6.8		10.00		68.3	51.1	141			

Sample ID: MB-68271	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 68271	RunNo: 88982								
Prep Date: 6/22/2022	Analysis Date: 6/23/2022	SeqNo: 3161113	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.1		10.00		91.3	51.1	141			

Sample ID: LCS-68271	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 68271	RunNo: 88982								
Prep Date: 6/22/2022	Analysis Date: 6/23/2022	SeqNo: 3161114	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	15	50.00	0	96.1	64.4	127			
Surr: DNOP	4.5		5.000		90.4	51.1	141			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2206995

01-Jul-22

Client: GHD Midland
Project: Saguaro Water Transfer

Sample ID: MB-68322	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 68322	RunNo: 88982								
Prep Date: 6/23/2022	Analysis Date: 6/24/2022	SeqNo: 3162904	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11		10.00		106	51.1	141			

Sample ID: LCS-68322	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 68322	RunNo: 88982								
Prep Date: 6/23/2022	Analysis Date: 6/24/2022	SeqNo: 3162905	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.4		5.000		109	51.1	141			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2206995

01-Jul-22

Client: GHD Midland
Project: Saguaro Water Transfer

Sample ID: Ics-68222	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 68222	RunNo: 88921								
Prep Date: 6/20/2022	Analysis Date: 6/21/2022	SeqNo: 3157766	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	98.2	72.3	137			
Surr: BFB	1900		1000		186	37.7	212			

Sample ID: mb-68222	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 68222	RunNo: 88921								
Prep Date: 6/20/2022	Analysis Date: 6/21/2022	SeqNo: 3157767	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	870		1000		86.6	37.7	212			

Sample ID: Ics-68229	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 68229	RunNo: 88959								
Prep Date: 6/20/2022	Analysis Date: 6/22/2022	SeqNo: 3158989	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.5	72.3	137			
Surr: BFB	1900		1000		189	37.7	212			

Sample ID: mb-68229	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 68229	RunNo: 88959								
Prep Date: 6/20/2022	Analysis Date: 6/22/2022	SeqNo: 3158990	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	880		1000		87.9	37.7	212			

Sample ID: 2206995-015ams	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: TP2-S	Batch ID: 68229	RunNo: 88959								
Prep Date: 6/20/2022	Analysis Date: 6/22/2022	SeqNo: 3158992	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	24.90	0	103	70	130			
Surr: BFB	1900		996.0		195	37.7	212			

Sample ID: 2206995-015amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: TP2-S	Batch ID: 68229	RunNo: 88959								
Prep Date: 6/20/2022	Analysis Date: 6/22/2022	SeqNo: 3158993	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2206995

01-Jul-22

Client: GHD Midland
Project: Saguaro Water Transfer

Sample ID: 2206995-015amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: TP2-S	Batch ID: 68229	RunNo: 88959								
Prep Date: 6/20/2022	Analysis Date: 6/22/2022	SeqNo: 3158993 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	24.93	0	105	70	130	1.99	20	
Surr: BFB	2000		997.0		198	37.7	212	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2206995

01-Jul-22

Client: GHD Midland
Project: Saguaro Water Transfer

Sample ID: ics-68222	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 68222	RunNo: 88921								
Prep Date: 6/20/2022	Analysis Date: 6/21/2022	SeqNo: 3157814	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	87.7	80	120			
Toluene	0.91	0.050	1.000	0	90.7	80	120			
Ethylbenzene	0.90	0.050	1.000	0	89.8	80	120			
Xylenes, Total	2.7	0.10	3.000	0	89.8	80	120			
Surr: 4-Bromofluorobenzene	0.85		1.000		85.0	70	130			

Sample ID: mb-68222	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 68222	RunNo: 88921								
Prep Date: 6/20/2022	Analysis Date: 6/21/2022	SeqNo: 3157815	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.85		1.000		84.5	70	130			

Sample ID: ics-68229	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 68229	RunNo: 88959								
Prep Date: 6/20/2022	Analysis Date: 6/22/2022	SeqNo: 3159043	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	88.4	80	120			
Toluene	0.89	0.050	1.000	0	88.8	80	120			
Ethylbenzene	0.88	0.050	1.000	0	88.1	80	120			
Xylenes, Total	2.6	0.10	3.000	0	86.9	80	120			
Surr: 4-Bromofluorobenzene	0.85		1.000		85.3	70	130			

Sample ID: mb-68229	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 68229	RunNo: 88959								
Prep Date: 6/20/2022	Analysis Date: 6/22/2022	SeqNo: 3159044	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.85		1.000		85.3	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2206995

01-Jul-22

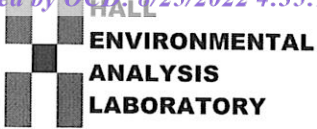
Client: GHD Midland
Project: Saguaro Water Transfer

Sample ID: 2206995-020ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: TP3-6'	Batch ID: 68229	RunNo: 88959								
Prep Date: 6/20/2022	Analysis Date: 6/22/2022	SeqNo: 3159047	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	0.9950	0	89.6	68.8	120			
Toluene	0.91	0.050	0.9950	0	91.5	73.6	124			
Ethylbenzene	0.91	0.050	0.9950	0	91.5	72.7	129			
Xylenes, Total	2.7	0.10	2.985	0	90.6	75.7	126			
Surr: 4-Bromofluorobenzene	0.85		0.9950		85.8	70	130			

Sample ID: 2206995-020amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: TP3-6'	Batch ID: 68229	RunNo: 88959								
Prep Date: 6/20/2022	Analysis Date: 6/22/2022	SeqNo: 3159048	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.025	0.9980	0	86.6	68.8	120	3.18	20	
Toluene	0.87	0.050	0.9980	0	87.6	73.6	124	4.02	20	
Ethylbenzene	0.88	0.050	0.9980	0	87.8	72.7	129	3.88	20	
Xylenes, Total	2.6	0.10	2.994	0	86.7	75.7	126	4.13	20	
Surr: 4-Bromofluorobenzene	0.86		0.9980		85.9	70	130	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: GHD Midland Work Order Number: 2206995 RcptNo: 1

Received By: Isaiah Ortiz 6/18/2022 9:50:00 AM I-OX
Completed By: Isaiah Ortiz 6/18/2022 10:55:24 AM I-OX
Reviewed By: [Signature] 06/18/2022

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [] Not Present []
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [] NA []
4. Were all samples received at a temperature of >0° C to 6.0° C Yes [checked] No [] NA []
5. Sample(s) in proper container(s)? Yes [checked] No []
6. Sufficient sample volume for indicated test(s)? Yes [checked] No []
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No []
8. Was preservative added to bottles? Yes [] No [checked] NA []
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [] No [] NA [checked]
10. Were any sample containers received broken? Yes [] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No []
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No []
13. Is it clear what analyses were requested? Yes [checked] No []
14. Were all holding times able to be met? Yes [checked] No []

of preserved bottles checked for pH: IO 6/18/22
(<2 or >12 unless noted)
Adjusted?
Checked by:

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [] No [] NA [checked]

Person Notified: Date:
By Whom: Via: [] eMail [] Phone [] Fax [] In Person
Regarding:
Client Instructions:

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 5.8, Good, Not Present, , ,



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Turn-Around Time: Standard Rush 5 days

Project Name: Saguaro Water Transfer

Project #: 1758592

Project Manager: Becky Haskell

Project Manager: Tom Larson

Sampler: Heath Boyd

On Ice: Yes No

of Coolers: 1

Cooler Temp (including cf): 5.8 ± 0

Client: GHD

Mailing Address: 2135 S. Loop 250 W. Midland, TX 79703

Phone #: (432) 686-0086

email or Fax#: Becky.Haskell@ghd.com

QA/QC Package: Standard Level 4 (Full Validation)

Accreditation: Az Compliance NELAC Other

EDD (Type)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
6/17/20	1005	S	TP7-5/TP4-5 ^{RAH}	TP7-5/1	N/A	001
	1015		TP7-2/TP4-2 ^{RAH}			002
	1025		TP7-4/TP4-4 ^{RAH}			003
	1045		TP8-5/TP5-5 ^{RAH}			004
	1055		TP8-2/TP5-2 ^{RAH}			005
	1105		TP8-4/TP5-4 ^{RAH}			006
	1210		TP9-2/TP6-2 ^{RAH}			007
	1220		TP9-8/TP6-8 ^{RAH}			008
	1230		TP9-12/TP6-12 ^{RAH}			009
	1320		TP10-5/TP7-5 ^{RAH}			010
	1330		TP10-2/TP7-2 ^{RAH}			011
<input checked="" type="checkbox"/>	1340	P	TP10-4/TP7-4 ^{RAH}			012

Analysis Request

8081 Pesticides/8082 PCBs

EDB (Method 504.1)

PAHs by 8310 or 8270SIMS

RCRA 8 Metals

Cl, F, Br, NO₃, NO₂, PO₄, SO₄

8260 (VOA)

8270 (Semi-VOA)

Chloride 300 M

TPH:8015D(GRO / DRO / MRO)

BTEX / MTBE / TMB's (8021)

Remarks: Please email: Amber_Griffin@eogresources.com, Chase_Settle@eogresources.com; Tom.Larson@ghd.com; Zach.Comino@ghd.com; Heath.Boyd@ghd.com Along with Becky Haskell listed above. Direct Bill to EOG Chase Settle

Received by: [Signature] Date: 6/17/22 Time: 14:00

Received by: [Signature] Date: 6/18/22 Time: 09:50

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Turn-Around Time: Standard Rush Down

Project Name: Saguaro Water Transfer

Project #: 1758579Z

Project Manager: Becky Haskell
Tom Larson

Sampler: Heath Boyd

On Ice: Yes No

of Coolers: 1

Cooler Temp (including CF): 5.8 ± 0

Mailing Address: 2135 S. Loop 250 W. Midland, TX 79703

Phone #: (432) 686-0086

email or Fax#: Becky.Haskell@ghd.com

QA/QC Package: Standard Level 4 (Full Validation)

Accreditation: Az Compliance NELAC Other

EDD (Type): _____

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No	BTEX / MTBE / TMB's (8021)	TPH: 8015D (GRO / DRO / MRO)	8081 Pesticides/8082 PCBs	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	8260 (VOA)	8270 (Semi-VOA)	Chloride 300 M
6/15/22	1020	S	TP1-2'	4oz Jar / 1	N/A	2206995	X	Ø								
	1030		TP1-4'				X	Ø								
	10:45		TP2-5' TP2-5'				X	Ø								
	1300		TP2-2'				X	Ø								
	1310		TP2-4'				X	Ø								
	1330		TP3-2'				X	Ø								
	1340		TP3-4'				X	Ø								
X	1350	Y	TP3-6'		Y		X	Ø								
	1500															

Received by: [Signature] Date: 6/17/22 Time: 1730

Received by: [Signature] Date: 6/18/22 Time: 0950

Remarks: Please email: Amber_Griffin@eogresources.com, Chase_Settle@eogresources.com; Tom.Larson@ghd.com; Zach.Comino@ghd.com; Heath.Boyd@ghd.com Along with Becky Haskell listed above. Direct Bill to EOG Chase Settle

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory
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Website: www.hallenvironmental.com

July 19, 2022

Tom Larson
GHD Midland
2135 S Loop 250 W
Midland, TX 79703
TEL: (432) 686-0086
FAX:

RE: Saguaro Water Transfer

OrderNo.: 2207523

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 7 sample(s) on 7/13/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a white background.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order **2207523**

Date Reported: **7/19/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP1-8

Project: Saguario Water Transfer

Collection Date: 7/11/2022 8:20:00 AM

Lab ID: 2207523-001

Matrix: SOIL

Received Date: 7/13/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	7/14/2022 6:41:23 PM	68790
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/15/2022 12:17:21 AM	68786
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/15/2022 12:17:21 AM	68786
Surr: DNOP	80.8	51.1-141		%Rec	1	7/15/2022 12:17:21 AM	68786
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/14/2022 11:51:02 PM	68747
Surr: BFB	99.3	37.7-212		%Rec	1	7/14/2022 11:51:02 PM	68747
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/14/2022 11:51:02 PM	68747
Toluene	ND	0.050		mg/Kg	1	7/14/2022 11:51:02 PM	68747
Ethylbenzene	ND	0.050		mg/Kg	1	7/14/2022 11:51:02 PM	68747
Xylenes, Total	ND	0.099		mg/Kg	1	7/14/2022 11:51:02 PM	68747
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	7/14/2022 11:51:02 PM	68747

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207523**

Date Reported: **7/19/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP7-6

Project: Saguario Water Transfer

Collection Date: 7/11/2022 9:00:00 AM

Lab ID: 2207523-002

Matrix: SOIL

Received Date: 7/13/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	61	60		mg/Kg	20	7/14/2022 6:53:44 PM	68790
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/15/2022 12:41:50 AM	68786
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/15/2022 12:41:50 AM	68786
Surr: DNOP	78.2	51.1-141		%Rec	1	7/15/2022 12:41:50 AM	68786
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/15/2022 12:14:38 AM	68747
Surr: BFB	98.3	37.7-212		%Rec	1	7/15/2022 12:14:38 AM	68747
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/15/2022 12:14:38 AM	68747
Toluene	ND	0.049		mg/Kg	1	7/15/2022 12:14:38 AM	68747
Ethylbenzene	ND	0.049		mg/Kg	1	7/15/2022 12:14:38 AM	68747
Xylenes, Total	ND	0.098		mg/Kg	1	7/15/2022 12:14:38 AM	68747
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	7/15/2022 12:14:38 AM	68747

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207523**

Date Reported: **7/19/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP6-16

Project: Saguario Water Transfer

Collection Date: 7/11/2022 10:30:00 AM

Lab ID: 2207523-003

Matrix: SOIL

Received Date: 7/13/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	580	60		mg/Kg	20	7/14/2022 7:06:05 PM	68790
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/15/2022 1:06:25 AM	68786
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/15/2022 1:06:25 AM	68786
Surr: DNOP	81.8	51.1-141		%Rec	1	7/15/2022 1:06:25 AM	68786
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/15/2022 12:38:10 AM	68747
Surr: BFB	97.3	37.7-212		%Rec	1	7/15/2022 12:38:10 AM	68747
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/15/2022 12:38:10 AM	68747
Toluene	ND	0.049		mg/Kg	1	7/15/2022 12:38:10 AM	68747
Ethylbenzene	ND	0.049		mg/Kg	1	7/15/2022 12:38:10 AM	68747
Xylenes, Total	ND	0.099		mg/Kg	1	7/15/2022 12:38:10 AM	68747
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	7/15/2022 12:38:10 AM	68747

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207523**

Date Reported: **7/19/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP4-6

Project: Saguario Water Transfer

Collection Date: 7/11/2022 11:05:00 AM

Lab ID: 2207523-004

Matrix: SOIL

Received Date: 7/13/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	7/14/2022 7:43:06 PM	68790
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/15/2022 1:30:59 AM	68786
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/15/2022 1:30:59 AM	68786
Surr: DNOP	79.9	51.1-141		%Rec	1	7/15/2022 1:30:59 AM	68786
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/15/2022 1:01:48 AM	68747
Surr: BFB	95.2	37.7-212		%Rec	1	7/15/2022 1:01:48 AM	68747
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/15/2022 1:01:48 AM	68747
Toluene	ND	0.049		mg/Kg	1	7/15/2022 1:01:48 AM	68747
Ethylbenzene	ND	0.049		mg/Kg	1	7/15/2022 1:01:48 AM	68747
Xylenes, Total	ND	0.099		mg/Kg	1	7/15/2022 1:01:48 AM	68747
Surr: 4-Bromofluorobenzene	99.3	70-130		%Rec	1	7/15/2022 1:01:48 AM	68747

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207523**

Date Reported: **7/19/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP3-8

Project: Saguario Water Transfer

Collection Date: 7/11/2022 11:45:00 AM

Lab ID: 2207523-005

Matrix: SOIL

Received Date: 7/13/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	260	60		mg/Kg	20	7/14/2022 7:55:27 PM	68790
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/15/2022 1:55:41 AM	68786
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/15/2022 1:55:41 AM	68786
Surr: DNOP	76.2	51.1-141		%Rec	1	7/15/2022 1:55:41 AM	68786
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/15/2022 1:25:22 AM	68747
Surr: BFB	96.2	37.7-212		%Rec	1	7/15/2022 1:25:22 AM	68747
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/15/2022 1:25:22 AM	68747
Toluene	ND	0.050		mg/Kg	1	7/15/2022 1:25:22 AM	68747
Ethylbenzene	ND	0.050		mg/Kg	1	7/15/2022 1:25:22 AM	68747
Xylenes, Total	ND	0.10		mg/Kg	1	7/15/2022 1:25:22 AM	68747
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	7/15/2022 1:25:22 AM	68747

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207523**

Date Reported: **7/19/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP8-5

Project: Saguario Water Transfer

Collection Date: 7/11/2022 12:00:00 PM

Lab ID: 2207523-006

Matrix: SOIL

Received Date: 7/13/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	7/14/2022 8:07:48 PM	68790
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/15/2022 2:20:19 AM	68786
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/15/2022 2:20:19 AM	68786
Surr: DNOP	77.7	51.1-141		%Rec	1	7/15/2022 2:20:19 AM	68786
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/15/2022 1:48:56 AM	68747
Surr: BFB	96.0	37.7-212		%Rec	1	7/15/2022 1:48:56 AM	68747
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/15/2022 1:48:56 AM	68747
Toluene	ND	0.050		mg/Kg	1	7/15/2022 1:48:56 AM	68747
Ethylbenzene	ND	0.050		mg/Kg	1	7/15/2022 1:48:56 AM	68747
Xylenes, Total	ND	0.099		mg/Kg	1	7/15/2022 1:48:56 AM	68747
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	7/15/2022 1:48:56 AM	68747

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207523**

Date Reported: **7/19/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP8-2

Project: Saguario Water Transfer

Collection Date: 7/11/2022 12:20:00 PM

Lab ID: 2207523-007

Matrix: SOIL

Received Date: 7/13/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	100	60		mg/Kg	20	7/14/2022 8:20:08 PM	68790
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/15/2022 2:44:54 AM	68786
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/15/2022 2:44:54 AM	68786
Surr: DNOP	79.2	51.1-141		%Rec	1	7/15/2022 2:44:54 AM	68786
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/15/2022 2:12:28 AM	68747
Surr: BFB	96.5	37.7-212		%Rec	1	7/15/2022 2:12:28 AM	68747
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/15/2022 2:12:28 AM	68747
Toluene	ND	0.049		mg/Kg	1	7/15/2022 2:12:28 AM	68747
Ethylbenzene	ND	0.049		mg/Kg	1	7/15/2022 2:12:28 AM	68747
Xylenes, Total	ND	0.098		mg/Kg	1	7/15/2022 2:12:28 AM	68747
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	7/15/2022 2:12:28 AM	68747

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2207523

19-Jul-22

Client: GHD Midland
Project: Saguaro Water Transfer

Sample ID: MB-68790	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 68790	RunNo: 89519								
Prep Date: 7/14/2022	Analysis Date: 7/14/2022	SeqNo: 3186011	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-68790	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 68790	RunNo: 89519								
Prep Date: 7/14/2022	Analysis Date: 7/14/2022	SeqNo: 3186012	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.2	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2207523

19-Jul-22

Client: GHD Midland
Project: Saguaro Water Transfer

Sample ID: LCS-68786	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 68786		RunNo: 89518							
Prep Date: 7/14/2022	Analysis Date: 7/14/2022		SeqNo: 3186009		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	15	50.00	0	88.8	64.4	127			
Surr: DNOP	3.5		5.000		70.8	51.1	141			

Sample ID: MB-68786	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 68786		RunNo: 89518							
Prep Date: 7/14/2022	Analysis Date: 7/14/2022		SeqNo: 3186010		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.8		10.00		77.7	51.1	141			

Sample ID: MB-68750	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 68750		RunNo: 89483							
Prep Date: 7/13/2022	Analysis Date: 7/15/2022		SeqNo: 3186687		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	12		10.00		118	51.1	141			

Sample ID: LCS-68750	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 68750		RunNo: 89483							
Prep Date: 7/13/2022	Analysis Date: 7/15/2022		SeqNo: 3186688		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.8		5.000		116	51.1	141			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2207523

19-Jul-22

Client: GHD Midland
Project: Saguaro Water Transfer

Sample ID: mb-68747	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 68747	RunNo: 89484								
Prep Date: 7/13/2022	Analysis Date: 7/14/2022	SeqNo: 3184681	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		100	37.7	212			

Sample ID: lcs-68747	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 68747	RunNo: 89484								
Prep Date: 7/13/2022	Analysis Date: 7/14/2022	SeqNo: 3184682	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	99.8	72.3	137			
Surr: BFB	2000		1000		204	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2207523

19-Jul-22

Client: GHD Midland
Project: Saguaro Water Transfer

Sample ID: mb-68747	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 68747	RunNo: 89484								
Prep Date: 7/13/2022	Analysis Date: 7/14/2022	SeqNo: 3184736	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		103	70	130			

Sample ID: LCS-68747	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 68747	RunNo: 89484								
Prep Date: 7/13/2022	Analysis Date: 7/14/2022	SeqNo: 3184737	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.99	0.025	1.000	0	98.7	80	120			
Toluene	1.0	0.050	1.000	0	101	80	120			
Ethylbenzene	1.0	0.050	1.000	0	102	80	120			
Xylenes, Total	3.1	0.10	3.000	0	103	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		107	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: GHD Midland Work Order Number: 2207523 RcptNo: 1

Received By: Cheyenne Cason 7/13/2022 7:20:00 AM
Completed By: Cheyenne Cason 7/13/2022 8:14:49 AM
Reviewed By: KDC 7-13-22

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [] Not Present []
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [] NA []
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [checked] No [] NA []
5. Sample(s) in proper container(s)? Yes [checked] No []
6. Sufficient sample volume for indicated test(s)? Yes [checked] No []
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No []
8. Was preservative added to bottles? Yes [] No [checked] NA []
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [] No [] NA [checked]
10. Were any sample containers received broken? Yes [] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No []
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No []
13. Is it clear what analyses were requested? Yes [checked] No []
14. Were all holding times able to be met? Yes [checked] No []

of preserved bottles checked for pH: (<2 or >12 unless noted) Adjusted? Checked by: [signature] 7/13/22

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [] No [] NA [checked]

Person Notified: _____ Date: _____
By Whom: _____ Via: [] eMail [] Phone [] Fax [] In Person
Regarding: _____
Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 5.4, Good, Not Present, , ,

Chain-of-Custody Record

Client: GHD

Mailing Address:

324 W. Main St. Suite 108, Artesia NM 88210

Phone #: (505)377-4218

email or Fax#: Becky.Haskell@ghd.com

QA/QC Package:

Standard Level 4 (Full Validation)

Accreditation: Az Compliance

NELAC Other

EDD (Type)

Turn-Around Time: 48 hours

Standard Rush

Project Name:

Saguero Water Transfer

Project #:

12585792

Project Manager:

Becky Haskell

Tom Larson

Sampler: Zach Comino

On Ice: Yes No

of Coolers: 4

Cooler Temp (including CF): 5.4-6.4

Date Time Matrix Sample Name

07/22/22	0820	S	TP1-8
0900			TP2-6
1030			TP6-16
1105			TP4-6
1145			TP3-8
1200			TP8-5
1220			TP8-2

Container Type and #

Ice	

Preservative Type

	001
	002
	003
	004
	005
	006
	007

HEAL No.

2207523

Date: 07/22/22 Time: 0800

Relinquished by: Zach Comino

Date: 7/10/22 Time: 1900

Relinquished by: [Signature]

Via: Car

Date: 7/13/22 Time: 0720

Received by: [Signature]

Date: 7/10/22 Time: 0800

Received by: [Signature]

Date: [Blank] Time: [Blank]

Via: [Blank]

Date: [Blank] Time: [Blank]

BTEX / MTBE / TMB's (8021)

TPH:8015D(GRO / DRO / MRO)

8081 Pesticides/8082 PCB's

EDB (Method 504.1)

PAHs by 8310 or 8270SIMS

RCRA 8 Metals

Cl, F, Br, NO₃, NO₂, PO₄, SO₄

8260 (VOA)

8270 (Semi-VOA)

Total Coliform (Present/Absent)

Chloride Method 300

Analysis Request

Remarks: Please email: Chase_Settile@eogresources.com;
Tom.Larson@ghd.com; Zach.Comino@ghd.com
Matthew.Laughlin@ghd.com;
Amber_Griffin@eogresources.com. Along with Becky Haskell listed above.

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

July 25, 2022

Becky Haskell
GHD Midland
2135 S Loop 250 W
Midland, TX 79703
TEL: (432) 686-0086
FAX:

RE: Saguaro

OrderNo.: 2207524

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 15 sample(s) on 7/13/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a white background.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order **2207524**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP 9-S

Project: Saguario

Collection Date: 7/12/2022 7:30:00 AM

Lab ID: 2207524-001

Matrix: SOIL

Received Date: 7/13/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	7/19/2022 1:00:46 PM	68886
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/19/2022 1:38:40 PM	68824
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/19/2022 1:38:40 PM	68824
Surr: DNOP	85.5	51.1-141		%Rec	1	7/19/2022 1:38:40 PM	68824
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/18/2022 5:35:00 PM	68813
Surr: BFB	86.1	37.7-212		%Rec	1	7/18/2022 5:35:00 PM	68813
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	7/18/2022 5:35:00 PM	68813
Toluene	ND	0.048		mg/Kg	1	7/18/2022 5:35:00 PM	68813
Ethylbenzene	ND	0.048		mg/Kg	1	7/18/2022 5:35:00 PM	68813
Xylenes, Total	ND	0.095		mg/Kg	1	7/18/2022 5:35:00 PM	68813
Surr: 4-Bromofluorobenzene	84.6	70-130		%Rec	1	7/18/2022 5:35:00 PM	68813

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207524**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP 9-2

Project: Saguario

Collection Date: 7/12/2022 7:35:00 AM

Lab ID: 2207524-002

Matrix: SOIL

Received Date: 7/13/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	220	60		mg/Kg	20	7/19/2022 1:13:07 PM	68886
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/19/2022 2:02:37 PM	68824
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/19/2022 2:02:37 PM	68824
Surr: DNOP	84.7	51.1-141		%Rec	1	7/19/2022 2:02:37 PM	68824
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/18/2022 7:35:00 PM	68813
Surr: BFB	85.4	37.7-212		%Rec	1	7/18/2022 7:35:00 PM	68813
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	7/18/2022 7:35:00 PM	68813
Toluene	ND	0.049		mg/Kg	1	7/18/2022 7:35:00 PM	68813
Ethylbenzene	ND	0.049		mg/Kg	1	7/18/2022 7:35:00 PM	68813
Xylenes, Total	ND	0.098		mg/Kg	1	7/18/2022 7:35:00 PM	68813
Surr: 4-Bromofluorobenzene	81.7	70-130		%Rec	1	7/18/2022 7:35:00 PM	68813

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207524**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP 10-S

Project: Saguario

Collection Date: 7/12/2022 7:45:00 AM

Lab ID: 2207524-003

Matrix: SOIL

Received Date: 7/13/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	7/19/2022 1:25:27 PM	68886
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/18/2022 8:26:26 PM	68825
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/18/2022 8:26:26 PM	68825
Surr: DNOP	66.8	51.1-141		%Rec	1	7/18/2022 8:26:26 PM	68825
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/18/2022 10:48:18 AM	68814
Surr: BFB	103	37.7-212		%Rec	1	7/18/2022 10:48:18 AM	68814
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/18/2022 10:48:18 AM	68814
Toluene	ND	0.049		mg/Kg	1	7/18/2022 10:48:18 AM	68814
Ethylbenzene	ND	0.049		mg/Kg	1	7/18/2022 10:48:18 AM	68814
Xylenes, Total	ND	0.098		mg/Kg	1	7/18/2022 10:48:18 AM	68814
Surr: 4-Bromofluorobenzene	99.4	70-130		%Rec	1	7/18/2022 10:48:18 AM	68814

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207524**

Date Reported: **7/25/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP 10-2

Project: Saguario

Collection Date: 7/12/2022 7:55:00 AM

Lab ID: 2207524-004

Matrix: SOIL

Received Date: 7/13/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	220	60		mg/Kg	20	7/19/2022 2:02:29 PM	68886
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/18/2022 8:40:39 PM	68825
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/18/2022 8:40:39 PM	68825
Surr: DNOP	68.8	51.1-141		%Rec	1	7/18/2022 8:40:39 PM	68825
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/18/2022 11:59:06 AM	68814
Surr: BFB	106	37.7-212		%Rec	1	7/18/2022 11:59:06 AM	68814
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/18/2022 11:59:06 AM	68814
Toluene	ND	0.048		mg/Kg	1	7/18/2022 11:59:06 AM	68814
Ethylbenzene	ND	0.048		mg/Kg	1	7/18/2022 11:59:06 AM	68814
Xylenes, Total	ND	0.096		mg/Kg	1	7/18/2022 11:59:06 AM	68814
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	7/18/2022 11:59:06 AM	68814

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207524**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP 11-S

Project: Saguario

Collection Date: 7/12/2022 8:40:00 AM

Lab ID: 2207524-005

Matrix: SOIL

Received Date: 7/13/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	330	60		mg/Kg	20	7/19/2022 2:14:50 PM	68886
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/18/2022 9:23:40 PM	68825
Motor Oil Range Organics (MRO)	63	50		mg/Kg	1	7/18/2022 9:23:40 PM	68825
Surr: DNOP	67.4	51.1-141		%Rec	1	7/18/2022 9:23:40 PM	68825
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/18/2022 2:45:40 PM	68814
Surr: BFB	100	37.7-212		%Rec	1	7/18/2022 2:45:40 PM	68814
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/18/2022 2:45:40 PM	68814
Toluene	ND	0.050		mg/Kg	1	7/18/2022 2:45:40 PM	68814
Ethylbenzene	ND	0.050		mg/Kg	1	7/18/2022 2:45:40 PM	68814
Xylenes, Total	ND	0.10		mg/Kg	1	7/18/2022 2:45:40 PM	68814
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	7/18/2022 2:45:40 PM	68814

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207524**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP 11-2

Project: Saguario

Collection Date: 7/12/2022 8:45:00 AM

Lab ID: 2207524-006

Matrix: SOIL

Received Date: 7/13/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1300	60		mg/Kg	20	7/19/2022 2:27:10 PM	68886
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/18/2022 9:37:44 PM	68825
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/18/2022 9:37:44 PM	68825
Surr: DNOP	77.2	51.1-141		%Rec	1	7/18/2022 9:37:44 PM	68825
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/18/2022 3:09:38 PM	68814
Surr: BFB	103	37.7-212		%Rec	1	7/18/2022 3:09:38 PM	68814
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/18/2022 3:09:38 PM	68814
Toluene	ND	0.049		mg/Kg	1	7/18/2022 3:09:38 PM	68814
Ethylbenzene	ND	0.049		mg/Kg	1	7/18/2022 3:09:38 PM	68814
Xylenes, Total	ND	0.098		mg/Kg	1	7/18/2022 3:09:38 PM	68814
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	7/18/2022 3:09:38 PM	68814

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207524**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP 11-4

Project: Saguario

Collection Date: 7/12/2022 8:50:00 AM

Lab ID: 2207524-007

Matrix: SOIL

Received Date: 7/13/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	86	60		mg/Kg	20	7/19/2022 2:39:31 PM	68886
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/18/2022 9:51:53 PM	68825
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/18/2022 9:51:53 PM	68825
Surr: DNOP	65.9	51.1-141		%Rec	1	7/18/2022 9:51:53 PM	68825
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/18/2022 3:33:40 PM	68814
Surr: BFB	101	37.7-212		%Rec	1	7/18/2022 3:33:40 PM	68814
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/18/2022 3:33:40 PM	68814
Toluene	ND	0.049		mg/Kg	1	7/18/2022 3:33:40 PM	68814
Ethylbenzene	ND	0.049		mg/Kg	1	7/18/2022 3:33:40 PM	68814
Xylenes, Total	ND	0.098		mg/Kg	1	7/18/2022 3:33:40 PM	68814
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	7/18/2022 3:33:40 PM	68814

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207524**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP 12-S

Project: Saguario

Collection Date: 7/12/2022 9:50:00 AM

Lab ID: 2207524-012

Matrix: SOIL

Received Date: 7/13/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	7/19/2022 3:16:35 PM	68886
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/18/2022 10:06:07 PM	68825
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/18/2022 10:06:07 PM	68825
Surr: DNOP	68.7	51.1-141		%Rec	1	7/18/2022 10:06:07 PM	68825
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/18/2022 3:57:40 PM	68814
Surr: BFB	106	37.7-212		%Rec	1	7/18/2022 3:57:40 PM	68814
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/18/2022 3:57:40 PM	68814
Toluene	ND	0.049		mg/Kg	1	7/18/2022 3:57:40 PM	68814
Ethylbenzene	ND	0.049		mg/Kg	1	7/18/2022 3:57:40 PM	68814
Xylenes, Total	ND	0.098		mg/Kg	1	7/18/2022 3:57:40 PM	68814
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	7/18/2022 3:57:40 PM	68814

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207524**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP 12-2

Project: Saguario

Collection Date: 7/12/2022 9:55:00 AM

Lab ID: 2207524-013

Matrix: SOIL

Received Date: 7/13/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	7/19/2022 3:28:56 PM	68886
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/18/2022 10:20:28 PM	68825
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/18/2022 10:20:28 PM	68825
Surr: DNOP	54.4	51.1-141		%Rec	1	7/18/2022 10:20:28 PM	68825
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/18/2022 4:21:39 PM	68814
Surr: BFB	106	37.7-212		%Rec	1	7/18/2022 4:21:39 PM	68814
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	7/18/2022 4:21:39 PM	68814
Toluene	ND	0.047		mg/Kg	1	7/18/2022 4:21:39 PM	68814
Ethylbenzene	ND	0.047		mg/Kg	1	7/18/2022 4:21:39 PM	68814
Xylenes, Total	ND	0.093		mg/Kg	1	7/18/2022 4:21:39 PM	68814
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	7/18/2022 4:21:39 PM	68814

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207524**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP 13-S

Project: Saguario

Collection Date: 7/12/2022 10:30:00 AM

Lab ID: 2207524-014

Matrix: SOIL

Received Date: 7/13/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	7/19/2022 3:41:16 PM	68886
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	260	150		mg/Kg	10	7/18/2022 5:59:46 PM	68825
Motor Oil Range Organics (MRO)	760	500		mg/Kg	10	7/18/2022 5:59:46 PM	68825
Surr: DNOP	0	51.1-141	S	%Rec	10	7/18/2022 5:59:46 PM	68825
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/18/2022 4:45:43 PM	68814
Surr: BFB	102	37.7-212		%Rec	1	7/18/2022 4:45:43 PM	68814
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/18/2022 4:45:43 PM	68814
Toluene	ND	0.049		mg/Kg	1	7/18/2022 4:45:43 PM	68814
Ethylbenzene	ND	0.049		mg/Kg	1	7/18/2022 4:45:43 PM	68814
Xylenes, Total	ND	0.098		mg/Kg	1	7/18/2022 4:45:43 PM	68814
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	7/18/2022 4:45:43 PM	68814

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207524**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP 13-2

Project: Saguario

Collection Date: 7/12/2022 10:35:00 AM

Lab ID: 2207524-015

Matrix: SOIL

Received Date: 7/13/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	7/19/2022 3:53:37 PM	68886
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/18/2022 10:34:38 PM	68825
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/18/2022 10:34:38 PM	68825
Surr: DNOP	58.0	51.1-141		%Rec	1	7/18/2022 10:34:38 PM	68825
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/18/2022 6:22:03 PM	68814
Surr: BFB	108	37.7-212		%Rec	1	7/18/2022 6:22:03 PM	68814
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/18/2022 6:22:03 PM	68814
Toluene	ND	0.050		mg/Kg	1	7/18/2022 6:22:03 PM	68814
Ethylbenzene	ND	0.050		mg/Kg	1	7/18/2022 6:22:03 PM	68814
Xylenes, Total	ND	0.10		mg/Kg	1	7/18/2022 6:22:03 PM	68814
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	7/18/2022 6:22:03 PM	68814

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2207524

25-Jul-22

Client: GHD Midland

Project: Saguaro

Sample ID: MB-68886	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 68886	RunNo: 89610								
Prep Date: 7/19/2022	Analysis Date: 7/19/2022	SeqNo: 3190772	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-68886	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 68886	RunNo: 89610								
Prep Date: 7/19/2022	Analysis Date: 7/19/2022	SeqNo: 3190773	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.1	90	110			

Qualifiers:

- | | |
|--|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Estimated value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of range due to dilution or matrix interference | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2207524

25-Jul-22

Client: GHD Midland

Project: Saguario

Sample ID: MB-68824	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 68824	RunNo: 89573								
Prep Date: 7/16/2022	Analysis Date: 7/18/2022	SeqNo: 3188608	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	5.8		10.00		57.8	51.1	141			

Sample ID: LCS-68824	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 68824	RunNo: 89573								
Prep Date: 7/16/2022	Analysis Date: 7/18/2022	SeqNo: 3188609	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	15	50.00	0	89.8	64.4	127			
Surr: DNOP	3.0		5.000		59.5	51.1	141			

Sample ID: MB-68825	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 68825	RunNo: 89573								
Prep Date: 7/16/2022	Analysis Date: 7/18/2022	SeqNo: 3189637	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.3		10.00		72.6	51.1	141			

Sample ID: LCS-68825	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 68825	RunNo: 89573								
Prep Date: 7/16/2022	Analysis Date: 7/18/2022	SeqNo: 3189638	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	38	15	50.00	0	76.1	64.4	127			
Surr: DNOP	3.7		5.000		73.3	51.1	141			

Sample ID: 2207524-004AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: TP 10-2	Batch ID: 68825	RunNo: 89573								
Prep Date: 7/16/2022	Analysis Date: 7/18/2022	SeqNo: 3189641	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	15	48.45	0	81.9	36.1	154			
Surr: DNOP	3.4		4.845		69.4	51.1	141			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2207524

25-Jul-22

Client: GHD Midland

Project: Saguaro

Sample ID: 2207524-004AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: TP 10-2	Batch ID: 68825	RunNo: 89573								
Prep Date: 7/16/2022	Analysis Date: 7/18/2022	SeqNo: 3189642			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	39	14	48.08	0	81.2	36.1	154	1.66	33.9	
Surr: DNOP	2.4		4.808		50.1	51.1	141	0	0	S

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2207524

25-Jul-22

Client: GHD Midland

Project: Saguaro

Sample ID: ics-68813	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 68813		RunNo: 89553							
Prep Date: 7/15/2022	Analysis Date: 7/18/2022		SeqNo: 3187638		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	87.9	72.3	137			
Surr: BFB	1900		1000		187	37.7	212			

Sample ID: mb-68813	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 68813		RunNo: 89553							
Prep Date: 7/15/2022	Analysis Date: 7/18/2022		SeqNo: 3187639		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	870		1000		86.7	37.7	212			

Sample ID: mb-68814	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 68814		RunNo: 89576							
Prep Date: 7/15/2022	Analysis Date: 7/18/2022		SeqNo: 3189011		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		107	37.7	212			

Sample ID: ics-68814	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 68814		RunNo: 89576							
Prep Date: 7/15/2022	Analysis Date: 7/18/2022		SeqNo: 3189012		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	105	72.3	137			
Surr: BFB	2000		1000		197	37.7	212			

Sample ID: 2207524-003ams	SampType: MS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: TP 10-S	Batch ID: 68814		RunNo: 89576							
Prep Date: 7/15/2022	Analysis Date: 7/18/2022		SeqNo: 3189014		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	4.9	24.37	0	107	70	130			
Surr: BFB	1900		974.7		200	37.7	212			

Sample ID: 2207524-003amsd	SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: TP 10-S	Batch ID: 68814		RunNo: 89576							
Prep Date: 7/15/2022	Analysis Date: 7/18/2022		SeqNo: 3189015		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2207524

25-Jul-22

Client: GHD Midland

Project: Saguaro

Sample ID: 2207524-003amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: TP 10-S	Batch ID: 68814	RunNo: 89576								
Prep Date: 7/15/2022	Analysis Date: 7/18/2022	SeqNo: 3189015			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	4.9	24.41	0	102	70	130	5.25	20	
Surr: BFB	1900		976.6		195	37.7	212	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2207524

25-Jul-22

Client: GHD Midland

Project: Saguario

Sample ID: ics-68813	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 68813		RunNo: 89553							
Prep Date: 7/15/2022	Analysis Date: 7/18/2022		SeqNo: 3187642		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	89.7	80	120			
Toluene	0.90	0.050	1.000	0	90.3	80	120			
Ethylbenzene	0.90	0.050	1.000	0	89.5	80	120			
Xylenes, Total	2.6	0.10	3.000	0	88.1	80	120			
Surr: 4-Bromofluorobenzene	0.85		1.000		84.6	70	130			

Sample ID: mb-68813	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 68813		RunNo: 89553							
Prep Date: 7/15/2022	Analysis Date: 7/18/2022		SeqNo: 3187643		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.84		1.000		84.3	70	130			

Sample ID: mb-68814	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 68814		RunNo: 89576							
Prep Date: 7/15/2022	Analysis Date: 7/18/2022		SeqNo: 3189074		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		107	70	130			

Sample ID: LCS-68814	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 68814		RunNo: 89576							
Prep Date: 7/15/2022	Analysis Date: 7/18/2022		SeqNo: 3189075		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	93.9	80	120			
Toluene	0.98	0.050	1.000	0	97.9	80	120			
Ethylbenzene	0.98	0.050	1.000	0	98.0	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.2	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2207524

25-Jul-22

Client: GHD Midland

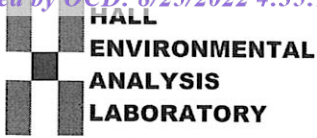
Project: Saguaro

Sample ID: 2207524-004ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: TP 10-2	Batch ID: 68814	RunNo: 89576								
Prep Date: 7/15/2022	Analysis Date: 7/18/2022	SeqNo: 3189078	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	0.9881	0	89.0	68.8	120			
Toluene	0.93	0.049	0.9881	0	94.1	73.6	124			
Ethylbenzene	0.94	0.049	0.9881	0	95.2	72.7	129			
Xylenes, Total	2.8	0.099	2.964	0	95.4	75.7	126			
Surr: 4-Bromofluorobenzene	1.0		0.9881		104	70	130			

Sample ID: 2207524-004amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: TP 10-2	Batch ID: 68814	RunNo: 89576								
Prep Date: 7/15/2022	Analysis Date: 7/18/2022	SeqNo: 3189079	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	0.9814	0	92.2	68.8	120	2.86	20	
Toluene	0.94	0.049	0.9814	0	95.4	73.6	124	0.703	20	
Ethylbenzene	0.95	0.049	0.9814	0	97.1	72.7	129	1.25	20	
Xylenes, Total	2.9	0.098	2.944	0	96.8	75.7	126	0.778	20	
Surr: 4-Bromofluorobenzene	1.0		0.9814		104	70	130	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: GHD Midland Work Order Number: 2207524 RcptNo: 1

Received By: Cheyenne Cason 7/13/2022 7:20:00 AM

Completed By: Sean Livingston 7/13/2022 8:16:57 AM

Reviewed By: WPC 7.13.22

Handwritten signatures: Cason, S. Livingston

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [] Not Present []
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [] NA []
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [checked] No [] NA []
5. Sample(s) in proper container(s)? Yes [checked] No []
6. Sufficient sample volume for indicated test(s)? Yes [checked] No []
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No []
8. Was preservative added to bottles? Yes [] No [checked] NA []
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [] No [] NA [checked]
10. Were any sample containers received broken? Yes [] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No []
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No []
13. Is it clear what analyses were requested? Yes [checked] No []
14. Were all holding times able to be met? Yes [checked] No []

of preserved bottles checked for pH: (<2 or >12 unless noted) Adjusted? Checked by: JN 7/13/22

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [] No [] NA [checked]

Person Notified: Date: By Whom: Via: [] eMail [] Phone [] Fax [] In Person Regarding: Client Instructions:

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 5.4, Good, [], [], []

Chain-of-Custody Record

Client: GHD

Turn-Around Time: Standard Rush 5 days

Project Name: Saguaro

Project #: 12585792

Project Manager: Becky Haskell, Tom Larson

Sampler: Zach Comino

On Ice: Yes No

of Coolers: 1

Cooler Temp (including CF): 5.4-07.54

Container Type and # Jar

Preservative Type

HEAL No. 2207524

Relinquished by: Liam Biersdorf Date: 0719 0800

Relinquished by: Amber Date: 7/12/20 800

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
0712	0730	S	TP9-S	Jar		2207524
	0735		TP9-2			001
	0745		TP10-S			002
	0755		TP10-2			003
	0840		TP11-S			004
	0845		TP11-2			005
	0850		TP11-4			006
	0915		TP12-2 *			007
	0920		TP14-2 *			008
	0930		TP15-S *			009
	0940		TP13-2 *			010
	0950		TP12-MS			011
						012



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

TPH:8015D(GRO / DRO / MRO)	X
8081 Pesticides/8082 PCBs	
EDB (Method 504.1)	
PAHs by 8310 or 8270SIMS	
RCRA 8 Metals	
Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	
8260 (VOA)	
8270 (Semi-VOA)	
Total Coliform (Present/Absent)	X
Chloride Method 300	Hold

Remarks: Please email: Chase_Settle@egresources.com; Tom.Larson@ghd.com; Zach.Comino@ghd.com; Matthew.Laughlin@ghd.com; Amber_Griffin@egresources.com; Along with Becky Haskell listed above.

Direct Bill to EGG Chase Settle

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: GHD

Mailing Address:

324 W. Main St. Suite 108, Artesia NM 88210

Phone #: (505)377-4218

email or Fax#: Becky.Haskell@ghd.com

QA/QC Package:

Standard Level 4 (Full Validation)

Accreditation: Az Compliance

NELAC Other

EDD (Type)

Turn-Around Time:

Standard Rush 5 days

Project Name:

Saguaro

Project #:

12585792

Project Manager:

Becky Haskell

Tom Larson

Sampler: Zach Comino

On Ice: Yes No

of Coolers: ()

Cooler Temp (including CP): 5.4-0-5.4

Container Type and #

Jar

Preservative Type

✓

HEAL No.

013

014

015

Date Time Matrix Sample Name

07/20/20 0955 ✓ TP12-2

1030 ✓ TP13-5

1035 ✓ TP13-2

BTEX / MTBE / TMBs (8021)

TPH:8015D(GRO / DRO / MRO)

8081 Pesticides/8082 PCBs

EDB (Method 504.1)

PAHs by 8310 or 8270SIMS

RCRA 8 Metals

Cl, F, Br, NO₃, NO₂, PO₄, SO₄

8260 (VOA)

8270 (Semi-VOA)

Total Coliform (Present/Absent)

Chloride Method 300

Analysis Request

Remarks: Please email: Chase.Settle@eogresources.com; Tom.Larson@ghd.com; Zach.Comino@ghd.com; Matthew.Laughlin@ghd.com; Amber_Griffin@eogresources.com; Along with Becky Haskell listed above.

Received by: [Signature] Date: 7/13/20 Time: 800

Received by: Care can Date: 7/13/20 Time: 0720

Date: 07/13 Time: 0900 Relinquished by: Lisa Giersdorf

Date: 7/13/20 Time: 1900 Relinquished by: [Signature]

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice to the possibility. Any sub-contracted data will be clearly notated on the analytical report.

Direct Bill to EOG-Chase Settle

Incident ID	nAPP2215335874
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.

- Detailed description of proposed remediation technique
- Scaled sitemap with GPS coordinates showing delineation points
- Estimated volume of material to be remediated
- Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: Amber Griffin Title: Rep Safety & Environmental Sr
 Signature: Amber Griffin Date: 8/25/2022
 email: amber_griffin@eogresources.com Telephone: 575-748-1471

OCD Only

Received by: Jocelyn Harimon Date: 08/25/2022

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: Robert Hamlet Date: 12/2/2022

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 138289

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 138289
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	The Remediation Plan is Conditionally Approved. Samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Confirmation samples should be collected every 200 ft2. All off pad areas must contain a minimum of 4 feet non-waste containing uncontaminated, earthen material with chloride concentrations less than 600 mg/kg and less than 100 mg/kg for TPH. The work will need to occur in 90 days after the work plan has been approved.	12/2/2022