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*Site Information*

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**Closure Report**  
**Zinnia BKC Federal #1**  
**Eddy County, New Mexico**  
**Unit E Sec 27 T20S R29E**  
**2RP-525**  
**32.5469031°, -104.069031°**

**Produced Water Release**  
**Source: 3" discharge line on water pump**  
**Release Date: 6/17/2010**  
**Volume Released: 10 bbls/PW**  
**Volume Recovered: 0 bbls/PW**

**Prepared for:**  
**EOG Resources**  
**5509 Champions Dr.**  
**Midland, TX 79706**

**Prepared by:**  
**NTG Environmental**  
**701 Tradewinds Blvd**  
**Suite C**  
**Midland, TX 79706**



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701 Tradewinds Boulevard, Suite C  
Midland, Texas 79706  
Tel. 432.685.3898  
www.ntglobal.com

April 29, 2021

Mr. Bradford Billings  
New Mexico Oil Conservation Division  
5200 Oakland Ave N.E Suite100  
Albuquerque, NM 87113

**Re: Closure Report**  
**Zinnia BKC Federal #1 2RP-525**  
**EOG Resources Inc.**  
**Site Location: Unit E, S27, T20S, R29E**  
**(Lat 32.5469031°, Long -104.069031°)**  
**Eddy County, New Mexico**

To whom it may concern:

On behalf of EOG Resources Inc. (EOG), New Tech Global Environmental, LLC (NTGE) has prepared this letter to document site assessment and remediation activities for Zinnia BKC Federal #1 2RP-525. The site is located at 32.5469031 °, -104.069031° within Unit E, S27, T20S, R29E, and approximately 12.78 miles Northeast of Carlsbad, New Mexico, in Eddy County (Figures 1 and 2).

### **Background**

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the leak was discovered on July 17, 2010. It resulted in the release of approximately ten (10) barrels of produced water due to a 3" discharge line rupture on a water pump, and zero (0) barrels of produced water were recovered. The impacted area measured approximately 65' x 5', as shown on Figure 3. The initial C-141 form is attached in Appendix A.

### **Site Characterization**

The site is located within a High karst area. Based on a review of the New Mexico Office of State Engineer's and USGS databases, there is one known water source within ½ mile radius of the location. The identified well is located approximately 0.29 miles West of the site in S28, T20S, R29E. The well has a reported depth to groundwater of 90 feet below ground surface (ft bgs). A copy of the associated *Point of Diversion Summary* report is attached in Appendix B.

### **Regulatory Criteria**

In accordance with the NMOCD regulatory criteria established in 19.15.29.12 NMAC, the following criteria were utilized in assessing the site.

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 100 mg/kg (GRO + DRO + MRO).
- Chloride 600 mg/kg

### **Site Assessment**

On March 16, 2021, NTGE conducted site assessment activities to assess soil impacts resulting from the release. A total of six (6) sample points were advanced to depths ranging surface – 1.5 ft bgs within and surrounding the release area to assess the vertical and horizontal extent of potential impacts. The soil sample locations are shown on Figure 3.

The soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Xenco Laboratories in Midland, Texas, for chemical analysis. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015 modified, benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports containing analytical methods, results, and chain-of-custody documents are attached in Appendix C. The analytical results are provided in Table 1.

All samples are below the NMOCD regulatory criteria for TPH, benzene, and BTEX. The areas of H-1, H-2, H-3 showed high chloride concentrations of 17,200 mg/kg, 883 mg/kg, and 5,850 mg/kg. The area of H-4 showed a concentration of 465 mg/kg. The areas of S1 and S2 showed concentrations below 600 mg/kg.

On March 30, 2021, two (2) trenches were installed in the vicinity of the spill to assess the horizontal areas that exceeded 600 mg/kg. The field staff used a LaMotte chloride kit, code 4503-DR-02, to run the field analysis to determine the impact. The two (2) trenches showed high chloride concentrations from 1.5'-2.5' below surface after the equipment broke through the dense layer of caliche.

### **Remediation Activities and Confirmation Sampling**

New Tech Global Environmental personnel were onsite from March 30, 2021, through April 12, 2021, to supervise the remediation activities and collect confirmation samples. Before remediating the site, the lines were hydro vacted and hand spotted for safety concerns. The areas of S-1 and S-2 were excavated to a depth of 3.0' below surface. In addition, the horizontal points were extended to get the concentrations below 600 mg/kg.

A total of four (4) confirmation samples were collected (CS-1 through CS-4), and six (6) sidewall samples (SW-1 through SW-6) were collected every 200 square feet to ensure proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The results of the sampling are summarized in Table 2. The excavation depths and confirmation sample locations are shown in Figure 4.

Referring to Table 1, none of the confirmation samples showed TPH, benzene, or total BTEX above the reporting limits. All confirmation samples for chloride were below 600 mg/kg.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 100 cubic yards of material were excavated and transported offsite for proper disposal

**Conclusions**

Based on the finding of the assessment and the analytical results, no further actions are required at the site. The final C-141 is attached, and EOG formally requests closure of the spill. If you have any questions regarding this report or need additional information, please contact us at 432-813-0263.

Sincerely,  
**NTG Environmental**



Mike Carmona  
Senior Project Manager



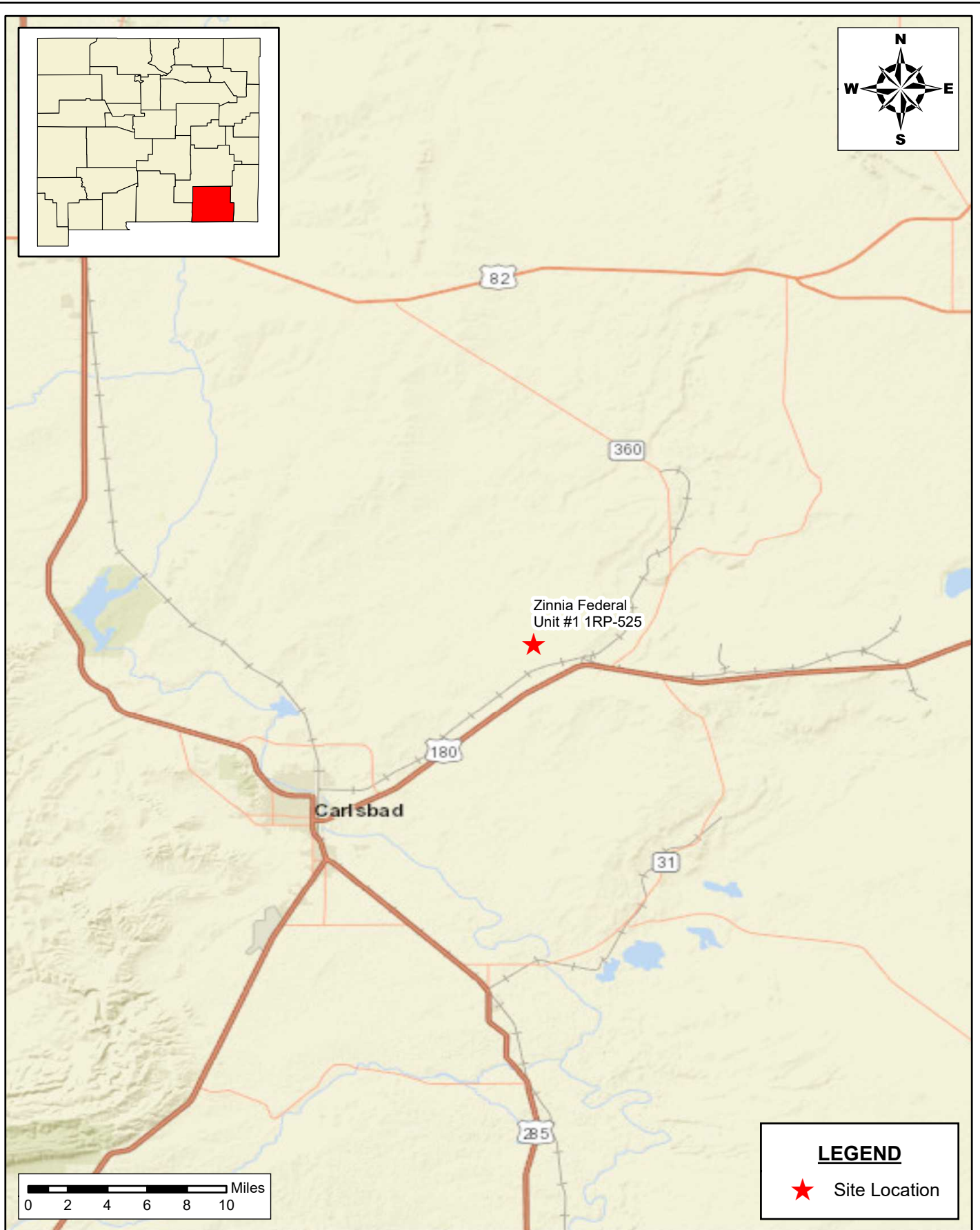
Conner Moehring  
Manager



## *Figures*

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**SITE LOCATION MAP**  
 EOG RESOURCES  
 ZINNIA FEDERAL UNIT #1 2RP-525  
 EDDY COUNTY, NM  
 32.5469031, -104.069031

SCALE: As Shown    DATE: 03/09/2021    PROJECT #: 214051

**New Tech Global Environmental, LLC**  
 911 Regional Park Drive  
 Houston, Texas 77060  
 T - 281.872.9300  
 F - 281.872.4521  
 Web: www.ntglobal.com



**NOTES:**

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

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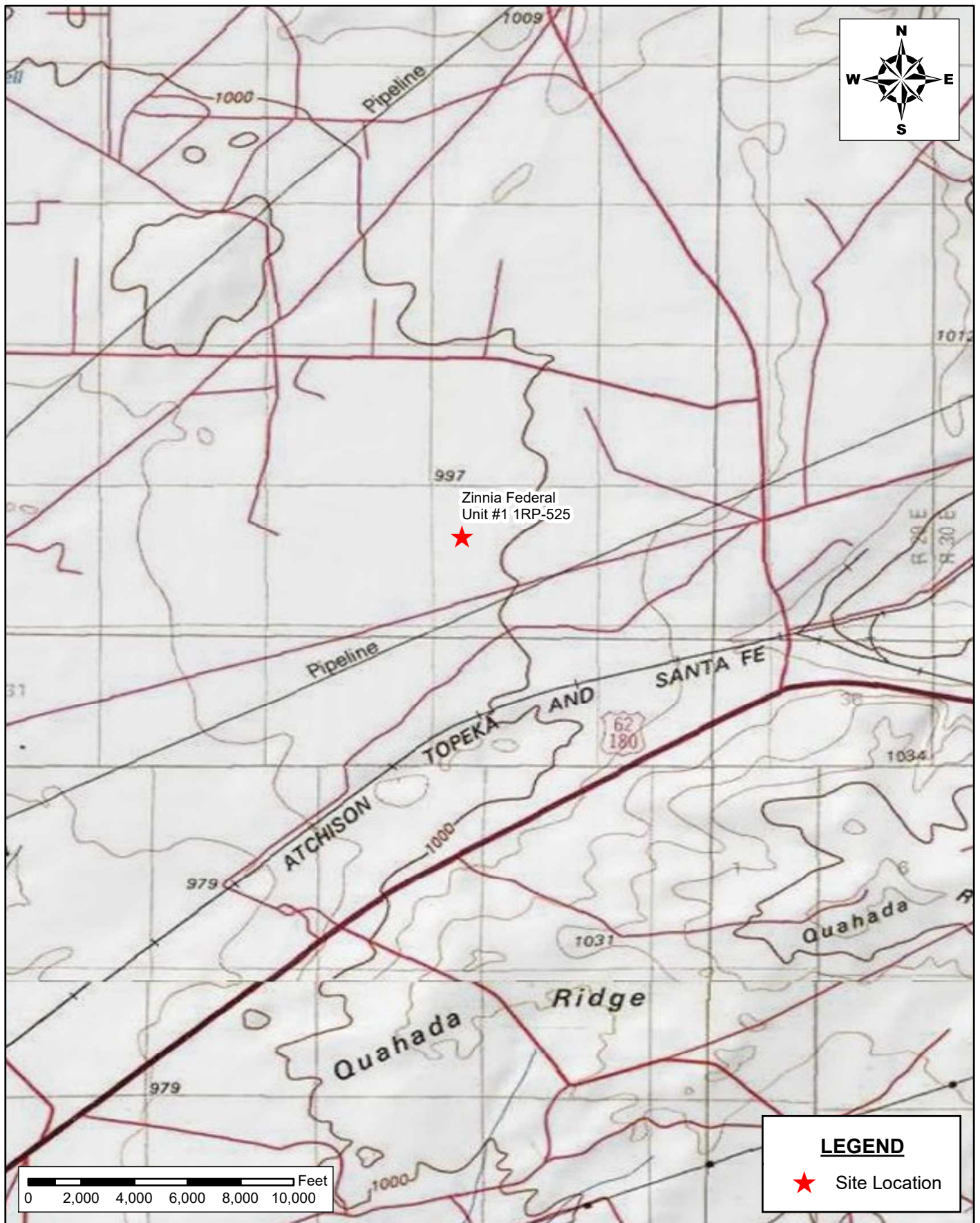
**FIGURE 1**

SHEET NUMBER:

**1 of 1**



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**AREA MAP**  
 EOG RESOURCES  
 ZINNIA FEDERAL UNIT #1 2RP-525  
 EDDY COUNTY, NM  
 32.5469031, -104.069031

SCALE: As Shown    DATE: 03/09/2021    PROJECT #: 214051

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**NOTES:**

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:

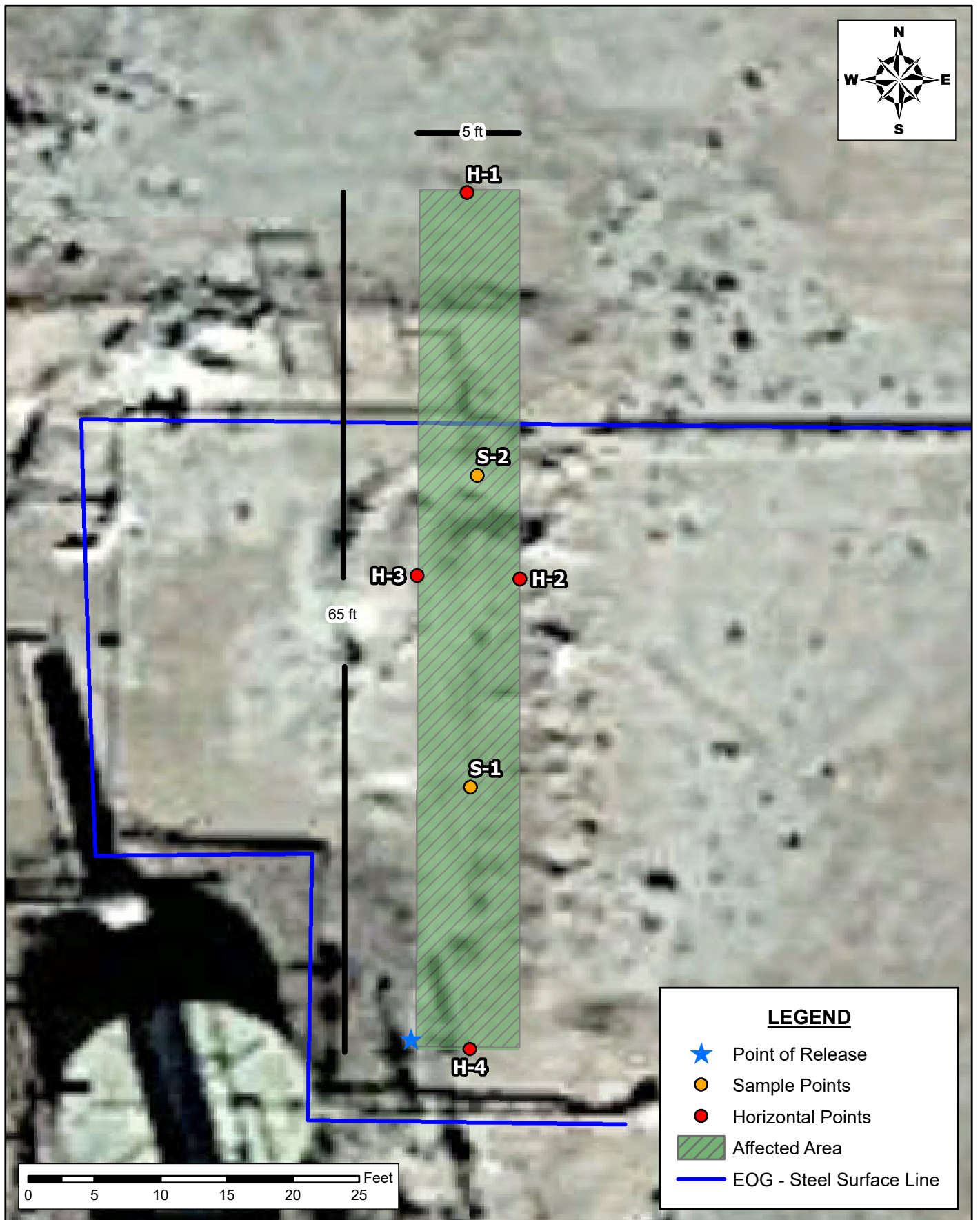
**FIGURE 2**

SHEET NUMBER:


**1 of 1**



Document Path: P:\2021 PROJECTS\EOG\214051 - Zinnia Federal Unit #1 2RP-525\7 - Figures\GIS\Geodatabase\Figure\_3\_Sample Location Map\_04192021.mxd



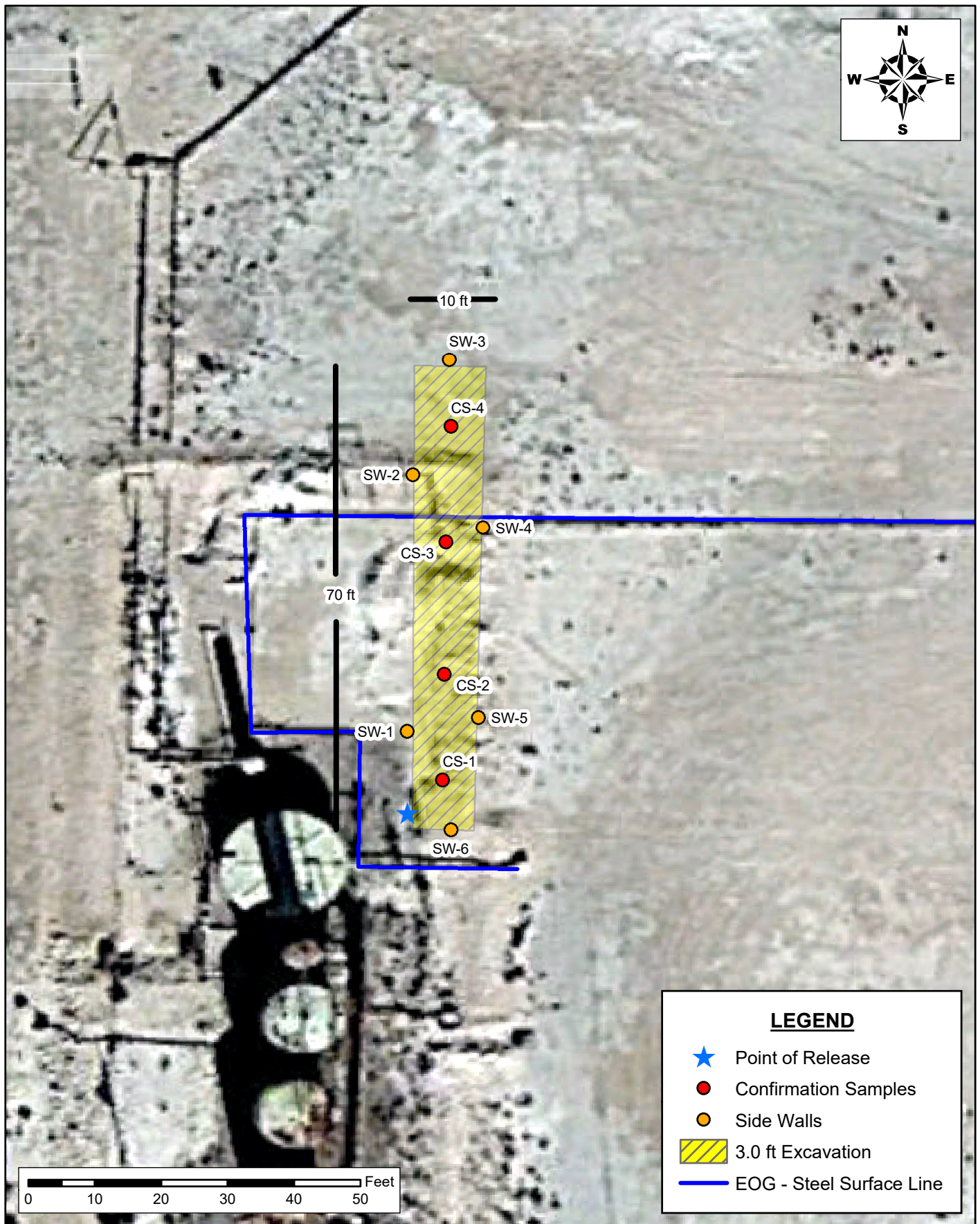
<b>SAMPLE LOCATION MAP</b> EOG RESOURCES ZINNIA FEDERAL UNIT #1 2RP-525 EDDY COUNTY, NM 32.5469031, -104.069031		
SCALE: As Shown	DATE: 4/19/2021	PROJECT #: 214051

 <b>New Tech Global Environmental, LLC</b> 911 Regional Park Drive Houston, Texas 77060 T - 281.872.9300 F - 281.872.4521 Web: www.ntglobal.com
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<b>NOTES:</b> 1. Base Image: ESRI Maps & Data 2013 2. Map Projection: NAD 1983 UTM Zone 13N
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DRAWING NUMBER:
<b>FIGURE 3</b>
SHEET NUMBER:
<b>1 of 1</b>

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**SAMPLE LOCATION MAP**  
 EOG RESOURCES  
 ZINNIA FEDERAL UNIT #1 2RP-525  
 EDDY COUNTY, NM  
 32.5469031, -104.069031

SCALE: As Shown

DATE: 4/19/2021

PROJECT #: 214051



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 Houston, Texas 77060  
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 Web: www.ntglobal.com

**NOTES:**

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:

**FIGURE 4**

SHEET NUMBER:

**1 of 1**



## *Tables*

**Table 1**  
**EOG Resources**  
**Zinnia Federal Unit #1 2RP-525**  
**Eddy County, New Mexico**

Sample ID	Date	Sample Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)	Field Titration
			DRO	GRO	MRO	Total							
S-1	3/16/2021	0-1	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	24.9	-
	"	1-1.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	61.9	-
Trench-1	3/30/2021	0-1	-	-	-	-	-	-	-	-	-	-	840
	"	1	-	-	-	-	-	-	-	-	-	-	800
	"	1.5	-	-	-	-	-	-	-	-	-	-	750
	"	2.0	-	-	-	-	-	-	-	-	-	-	1,280
	"	2.5	-	-	-	-	-	-	-	-	-	-	900
	"	3.0	-	-	-	-	-	-	-	-	-	-	480
S-2	3/16/2021	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	221	-
	"	1-1.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	373	-
Trench-2	3/30/2021	0-1	-	-	-	-	-	-	-	-	-	-	1,400
	"	1.0	-	-	-	-	-	-	-	-	-	-	1,000
	"	1.5	-	-	-	-	-	-	-	-	-	-	840
	"	2.0	-	-	-	-	-	-	-	-	-	-	640
	"	2.5	-	-	-	-	-	-	-	-	-	-	240
H-1	3/16/2021	0-0.5	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	17,200	-
H-2	3/16/2021	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	883	-
H-3	3/16/2021	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	5,850	-
H-4	3/16/2021	0-0.5	<50.2	<50.2	<50.2	<50.2	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	465	-
<b>Regulatory Limits</b>						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg		600 mg/kg

(-) Not Analyzed

A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

 Exceeds RRALs

**Table 2**  
**EOG Resources**  
**Zinnia Federal Unit #1 2RP-525**  
**Eddy County, New Mexico**

Sample ID	Date	Excavation Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			DRO	GRO	MRO	Total						
CS-1	4/12/2021	3	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00198	56.8
CS-2	4/12/2021	3	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	54.2
CS-3	4/12/2021	3	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	58.5
CS-4	4/12/2021	3	<49.9	68.9	<49.9	68.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	56.2
SW-1	4/12/2021	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00202	54.7
SW-2	4/12/2021	-	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	57.9
SW-3	4/12/2021	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	59.0
SW-4	4/12/2021	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00198	54.1
SW-5	4/12/2021	-	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00198	57.3
SW-6	4/12/2021	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00200	67.0
<b>Regulatory Limits</b>						<b>100 mg/kg</b>	<b>10 mg/kg</b>	-	-	-	<b>50 mg/kg</b>	<b>600 mg/kg</b>

(-) Not Analyzed

A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet



## *Photo Log*



# PHOTOGRAPHIC LOG

## EOG Resources

### Photograph No. 1

**Facility:** Zinnia BKC Federal #1

**County:** Eddy County, New Mexico

**Description:**

View of excavation facing north.



### Photograph No. 2

**Facility:** Zinnia BKC Federal #1

**County:** Eddy County, New Mexico

**Description:**

View of excavation facing south.



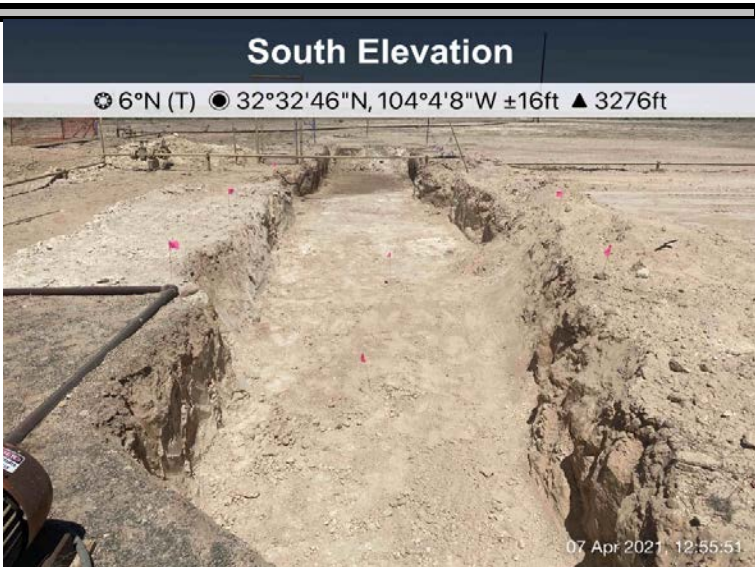
### Photograph No. 3

**Facility:** Zinnia BKC Federal #1

**County:** Eddy County, New Mexico

**Description:**

View of composite sample points with pin flags facing south.





## *Appendix A*

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, 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

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised October 10, 2003

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

**Release Notification and Corrective Action**

**NKMLW 1035650831**

**OPERATOR**

☒ Initial Report ☐ Final Report

Name of Company Yates Petroleum Corporation	OGRID Number 25575	Contact Robert Asher
Address 104 S. 4 <sup>TH</sup> Street	API Number 30-015-27939	Telephone No. 575-748-1471
Facility Name Zinnia BKC Federal #1	Facility Type Battery	
Surface Owner Federal	Mineral Owner Federal	Lease No. NM-83068

**LOCATION OF RELEASE**


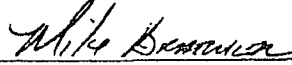
Unit Letter E	Section 27	Township 20S	Range 29E	Feet from the 1980'	North/South Line North	Feet from the 910'	East/West Line West	County Eddy
------------------	---------------	-----------------	--------------	------------------------	---------------------------	-----------------------	------------------------	----------------

Latitude 32.54599 Longitude 104.06794

**NATURE OF RELEASE**

Type of Release Produced Water	Volume of Release 10 B/PW	Volume Recovered 0 B/PW
Source of Release Water pump discharge line	Date and Hour of Occurrence 6/17/2010: PM	Date and Hour of Discovery 6/17/2010: PM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? N/A	
By Whom? N/A	Date and Hour N/A	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	
If a Watercourse was Impacted, Describe Fully.* N/A		
Describe Cause of Problem and Remedial Action Taken.* Discharge line (3") on water pump failed, causing release. No produced water to recover, line repaired/replaced.		
Describe Area Affected and Cleanup Action Taken.* An approximate area of 5' X 70'. All water remained within bermed battery. Vertical and horizontal delineation samples will be taken and analysis run for TPH & BTEX. Chlorides will be documented. If results are above RRAL's for TPH & BTEX with the site ranking of ten (10), a work plan or corrective action plan will be submitted. If results are below RRAL's for TPH & BTEX with the site ranking of ten (10), a Final Report C-141 will be submitted requesting closure. <b>Depth to Ground Water: 50-99' (approximately 70'), Wellhead Protection Area: No, Distance to Surface Water Body: &gt;1000', SITE RANKING IS 10.</b>		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOC 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 NMOC marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOC 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.		

**OIL CONSERVATION DIVISION**

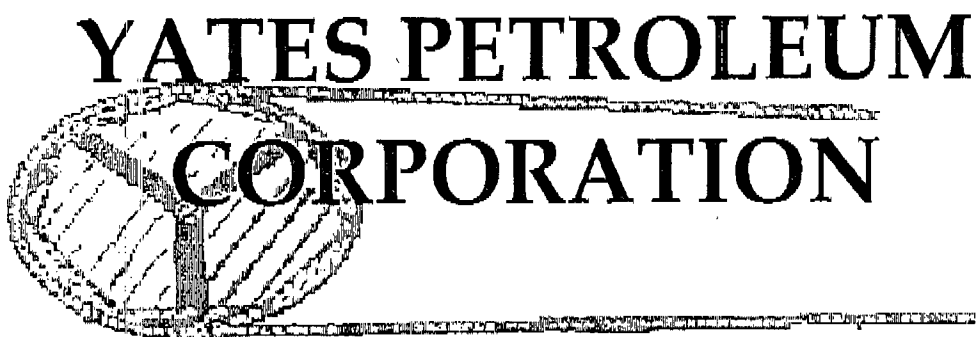
Signature: 	Signed By 	
Printed Name: Robert Asher	Approved by District Supervisor	
Title: Environmental Regulatory Agent	Approval Date: <u>3/21/11</u>	Expiration Date:
E-mail Address: boba@yatespetroleum.com	Conditions of Approval:	
Date: Monday, June 28, 2010 Phone: 575-748-4217	Attached <input type="checkbox"/>	

Remediation per OCD Rules &  
Guidelines. **SUBMIT REMEDIATION  
PROPOSAL NOT LATER THAN:**

4/21/11

**2 RP-525**

\* Attach Additional Sheets If Necessary



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**FACSIMILE TRANSMITTAL SHEET**

---

TO:	FROM:
Mike Bratcher	Robert Asher
FAX NUMBER:	DATE:
9-748-9720	Monday, June 28, 2010
COMPANY:	TOTAL NO. OF PAGES INCLUDING COVER:
NMOCD	2
RE:	NOTES/COMMENTS:
C-141; Zircnia BKC Federal #1	Initial Report (6/17/2010 Release)

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☐ URGENT    ☒ FOR REVIEW    ☐ PLEASE COMMENT    ☐ PLEASE REPLY    ☐ PLEASE RECYCLE

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ADDITIONAL NOTES & COMMENTS:

Call me if you have any questions, 575-748-4217.

Thank you.

Robert Asher

Environmental Regulatory Department

105 SOUTH FOURTH STREET • ARTESIA, NEW MEXICO 88210-2118  
PHONE: 575-748-4217 (DIRECT) • FAX: 575-748-4662

**Bratcher, Mike, EMNRD**

---

**From:** Bob Asher [BobA@yatespetroleum.com]  
**Sent:** Monday, August 30, 2010 4:45 PM  
**To:** Bratcher, Mike, EMNRD  
**Cc:** Jerry Fanning  
**Subject:** Sampling (Zinnia BKC Federal #1)

Mike,

I will be sampling at the following location on Thursday, September 2, 2010 at 10:00 am.

Zinnia BKC Federal #1  
30-015-27939  
Section 27, T20S-R29E  
Eddy County, New Mexico

Thank you.



**Robert Asher**  
**Yates Petroleum Corporation**  
**boba@yatespetroleum.com**  
**575-748-4217 (Office)**  
**575-365-4021 (Cell)**  
**575-748-4662 (Fax)**

Incident ID	
District RP	2RP-525
Facility ID	
Application ID	

## 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?	90' (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 type="checkbox"/> Yes <input checked="" 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 <b>not</b> on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input 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.



Incident ID	
District RP	2RP-525
Facility ID	
Application ID	

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: James Kennedy Title: Environmental Specialist

Signature: James Kennedy Date: 4/29/2021

email: james\_kennedy@eogresources.com Telephone: 432.848.9146

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	nKMW1035650831
District RP	2RP-525
Facility ID	
Application ID	

## Closure

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

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

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

Printed Name: James Kennedy

Title: Environmental Specialist

Signature: James Kennedy

Date: 4/29/2021

email: james\_kennedy@eogresources.com

Telephone: 432.848.9146

### OCD Only

Received by: \_\_\_\_\_

Date: \_\_\_\_\_

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

Closure Approved by: Bradford Billings Date: 11/16/2021

Printed Name: Bradford Billings

Title: Envi.Spec.A



## *Appendix B*



# Zinnia BKC Federal #1

32.54599°, -104.06794

## Legend

- 0.50 Mile Radius
- NMSEO 90' 20S 29E Sec 28

NMSEO 90' 20S 29E Sec 28  
Zinnia Federal #1







# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

(R=POD has been replaced,  
O=orphaned,  
C=the file is closed)

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

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
<a href="#">C 03265 POD1</a>	CUB	ED		1	1	3	20	20S	29E	584052	3602648*	89	52	37
<a href="#">CP 00698 POD1</a>	CP	ED		3	1	03	20S	29E	587393	3608010				
<a href="#">CP 00740</a>	CP	ED		2	3	3	12	20S	29E	590669	3605509*	150		
<a href="#">CP 00743 POD1</a>	CP	ED		2	4	05	20S	29E	585319	3607382*		160		
<a href="#">CP 00745 POD1</a>	CP	ED		4	1	3	12	20S	29E	590653	3605782	232		
<a href="#">CP 00752 POD1</a>	CP	ED		1	3	15	20S	29E	587293	3604181		2567		
<a href="#">CP 00759</a>	CP	ED		4	2	28	20S	29E	586984	3601360*		205	90	115
<a href="#">CP 00830 POD1</a>	CP	LE		2	1	04	20S	29E	586118	3608193*		120		
<a href="#">CP 00831 POD1</a>	CP	LE		2	2	10	20S	29E	588548	3606605*		100		
<a href="#">CP 00832 POD1</a>	CP	LE		2	3	12	20S	29E	590971	3605815*		200		
<a href="#">CP 00833 POD1</a>	CP	LE		1	2	16	20S	29E	586548	3604978*		100		
<a href="#">CP 00936 POD1</a>	CP	ED		3	4	2	30	20S	29E	583661	3601238*	70	52	18
<a href="#">CP 01201 POD1</a>	CP	ED		2	2	1	18	20S	29E	582983	3605121	140	100	40
<a href="#">CP 01202 POD1</a>	CP	ED		4	4	3	26	20S	29E	589569	3600512	173	158	15

Average Depth to Water: **90 feet**

Minimum Depth: **52 feet**

Maximum Depth: **158 feet**

Record Count: 14

PLSS Search:

Township: 20S

Range: 29E

\*UTM location was derived from PLSS - see Help

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

3/26/21 1:16 PM

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WATER COLUMN/ AVERAGE  
DEPTH TO WATER



# New Mexico Office of the State Engineer

## Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)  
 (quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
CP	00759	4	2	28	20S	29E	586984	3601360*	

<b>Driller License:</b>	421	<b>Driller Company:</b>	GLENN'S WATER WELL SERVICE	
<b>Driller Name:</b>	GLENN, CLARK A."CORKY" (LD)			
<b>Drill Start Date:</b>	04/29/1991	<b>Drill Finish Date:</b>	04/29/1991	<b>Plug Date:</b>
<b>Log File Date:</b>	05/02/1991	<b>PCW Rcv Date:</b>		<b>Source:</b> Shallow
<b>Pump Type:</b>		<b>Pipe Discharge Size:</b>		<b>Estimated Yield:</b> 150 GPM
<b>Casing Size:</b>	6.63	<b>Depth Well:</b>	205 feet	<b>Depth Water:</b> 90 feet

Water Bearing Stratifications:	Top	Bottom	Description
	148	172	Limestone/Dolomite/Chalk
	172	175	Other/Unknown

Casing Perforations:	Top	Bottom
	144	205

\*UTM location was derived from PLSS - see Help

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

4/21/21 1:33 PM

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POD SUMMARY - CP 00759



Zinnia Federal Unit #1

32.54599°, -104.06794°

Legend

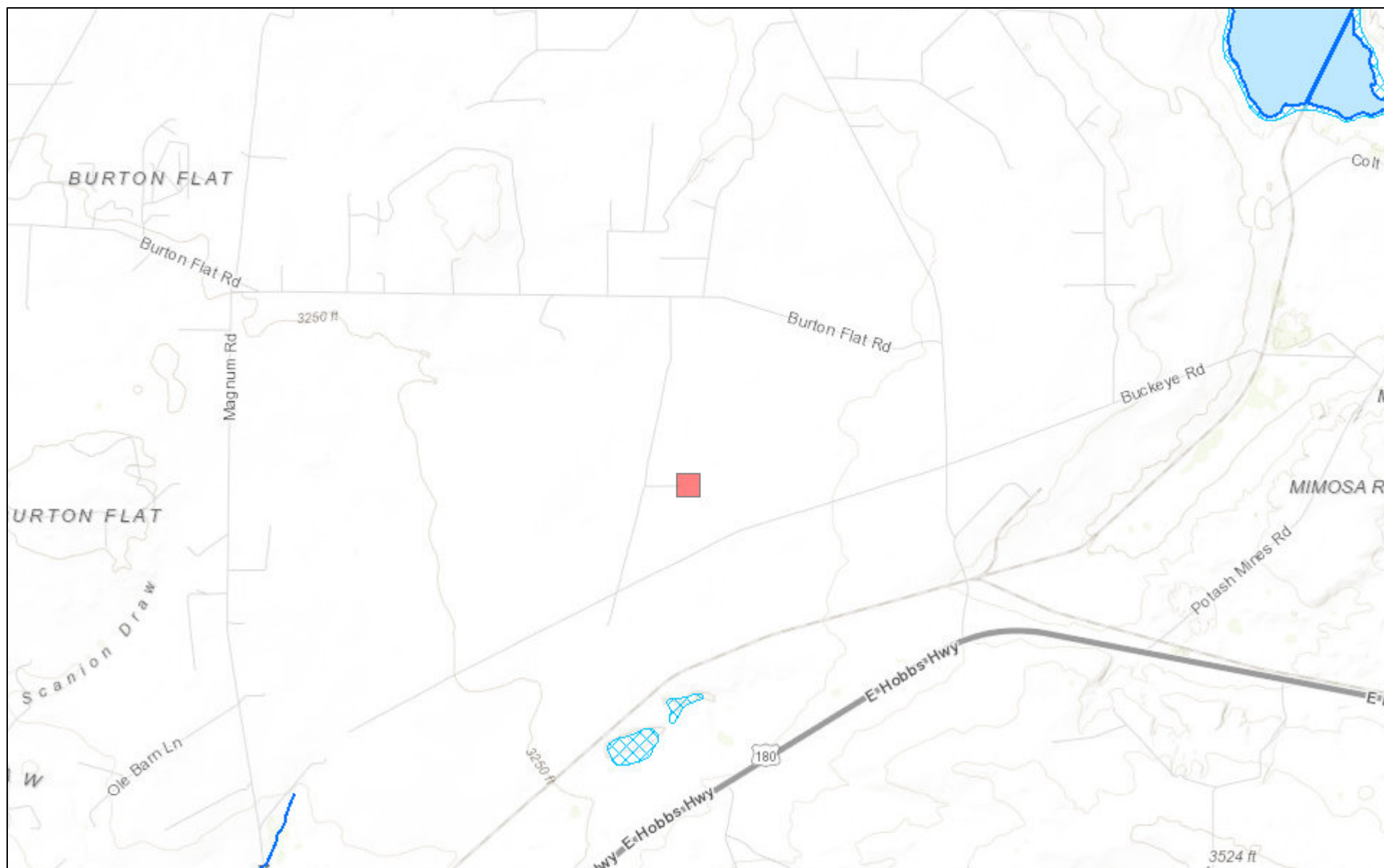
-  HIGH
-  LOW
-  MEDIUM
-  Zinnia Federal #1

Zinnia Federal #1

Carlsbad

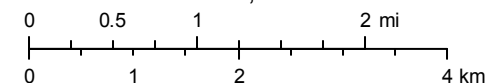


## New Mexico NFHL Data



March 26, 2021

1:72,224

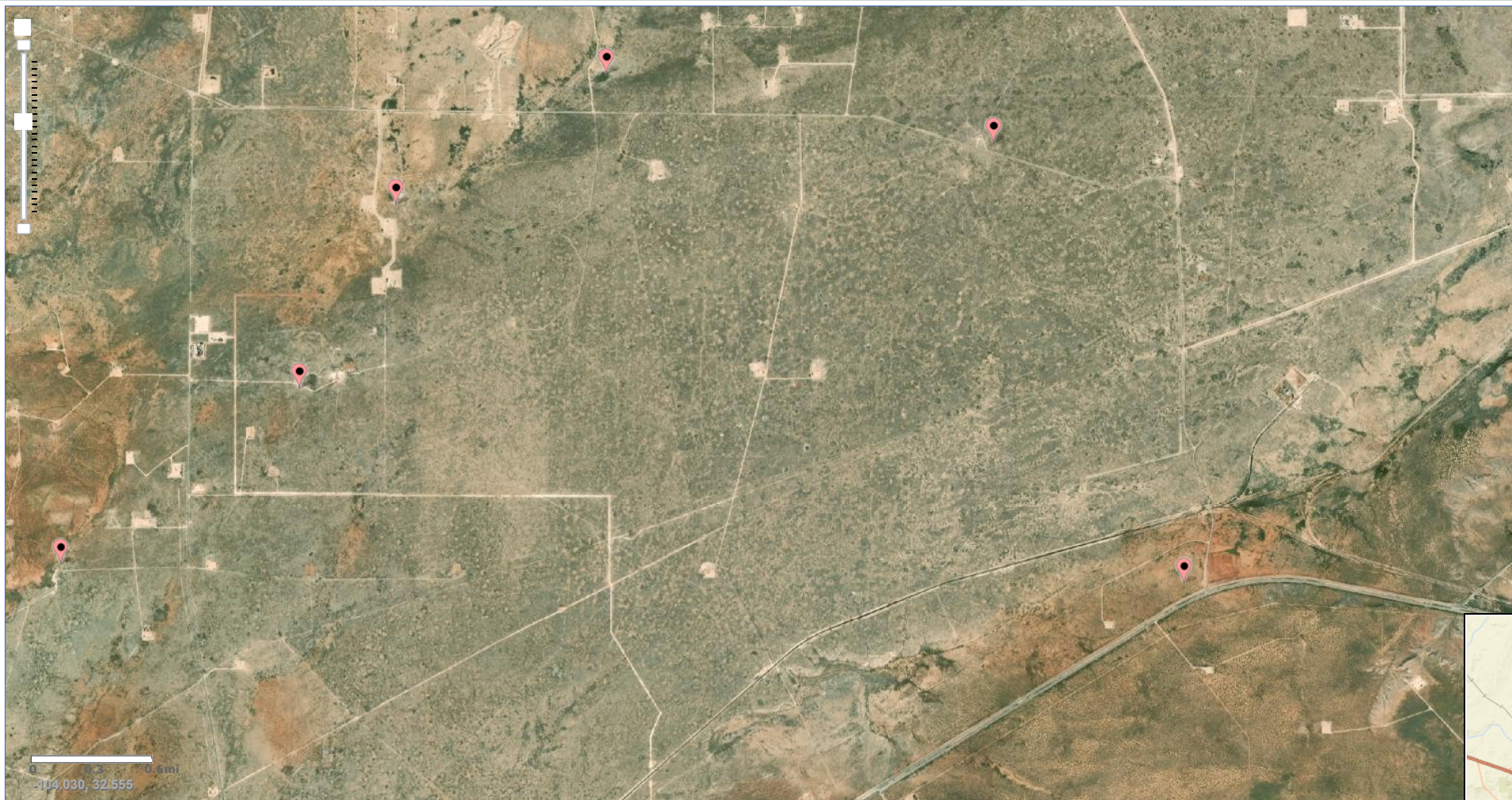


FEMA  
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS,





National Water Information System: Mapper



Site Information



## *Appendix C*





## Environment Testing America

### ANALYTICAL REPORT

Eurofins Xenco, Midland  
1211 W. Florida Ave  
Midland, TX 79701  
Tel: (432)704-5440

Laboratory Job ID: 880-495-1

Laboratory Sample Delivery Group: Eddy County NM  
Client Project/Site: EOG - Zinnia Fed #1 2RP-525

For:

NT Global  
701 Tradewinds Blvd  
Midland, Texas 79706

Attn: Mike Carmona

A handwritten signature in black ink, appearing to read "Jessica Kramer".

Authorized for release by:  
3/26/2021 11:35:53 AM

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

#### LINKS

Review your project  
results through

**TotalAccess**

Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

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

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

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-525

Laboratory Job ID: 880-495-1  
SDG: Eddy County NM

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## Definitions/Glossary

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-525

Job ID: 880-495-1  
SDG: Eddy County NM

## Qualifiers

## GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

## GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

## HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

## Glossary

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

Eurofins Xenco, Midland

## Case Narrative

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-525

Job ID: 880-495-1  
SDG: Eddy County NM

---

**Job ID: 880-495-1**

---

**Laboratory: Eurofins Xenco, Midland**

---

**Narrative**

---

**Job Narrative**  
**880-495-1**

**Receipt**

The samples were received on 3/19/2021 11:23 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.8°C

**GC VOA**

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

**GC Semi VOA**

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

**HPLC/IC**

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

## Detection Summary

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-525

Job ID: 880-495-1  
SDG: Eddy County NM

## Client Sample ID: H-1 (0-6')

## Lab Sample ID: 880-495-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	17200		251		mg/Kg	50		300.0	Soluble

## Client Sample ID: H-2 (0-6')

## Lab Sample ID: 880-495-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	883		25.2		mg/Kg	5		300.0	Soluble

## Client Sample ID: H-3 (0-6')

## Lab Sample ID: 880-495-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	5850		49.6		mg/Kg	10		300.0	Soluble

## Client Sample ID: H-4 (0-6')

## Lab Sample ID: 880-495-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	465		24.9		mg/Kg	5		300.0	Soluble

This Detection Summary does not include radiochemical test results.

Eurofins Xenco, Midland

## Client Sample Results

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-525

Job ID: 880-495-1  
SDG: Eddy County NM

Client Sample ID: H-1 (0-6')

Lab Sample ID: 880-495-1

Date Collected: 03/16/21 11:20

Matrix: Solid

Date Received: 03/19/21 11:23

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/25/21 17:53	03/26/21 03:05	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/25/21 17:53	03/26/21 03:05	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/25/21 17:53	03/26/21 03:05	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		03/25/21 17:53	03/26/21 03:05	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/25/21 17:53	03/26/21 03:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/25/21 17:53	03/26/21 03:05	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/25/21 17:53	03/26/21 03:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	03/25/21 17:53	03/26/21 03:05	1
1,4-Difluorobenzene (Surr)	102		70 - 130	03/25/21 17:53	03/26/21 03:05	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U **	49.7		mg/Kg		03/19/21 14:53	03/20/21 07:45	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		03/19/21 14:53	03/20/21 07:45	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		03/19/21 14:53	03/20/21 07:45	1
Total TPH	<49.7	U	49.7		mg/Kg		03/19/21 14:53	03/20/21 07:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	03/19/21 14:53	03/20/21 07:45	1
o-Terphenyl	96		70 - 130	03/19/21 14:53	03/20/21 07:45	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17200		251		mg/Kg			03/20/21 17:14	50

Client Sample ID: H-2 (0-6')

Lab Sample ID: 880-495-2

Date Collected: 03/16/21 11:25

Matrix: Solid

Date Received: 03/19/21 11:23

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/25/21 17:53	03/26/21 05:28	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/25/21 17:53	03/26/21 05:28	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/25/21 17:53	03/26/21 05:28	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		03/25/21 17:53	03/26/21 05:28	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/25/21 17:53	03/26/21 05:28	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/25/21 17:53	03/26/21 05:28	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/25/21 17:53	03/26/21 05:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	03/25/21 17:53	03/26/21 05:28	1
1,4-Difluorobenzene (Surr)	101		70 - 130	03/25/21 17:53	03/26/21 05:28	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U **	49.8		mg/Kg		03/19/21 14:53	03/20/21 08:06	1

Eurofins Xenco, Midland

## Client Sample Results

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-525

Job ID: 880-495-1  
SDG: Eddy County NM

Client Sample ID: H-2 (0-6')

Lab Sample ID: 880-495-2

Date Collected: 03/16/21 11:25

Matrix: Solid

Date Received: 03/19/21 11:23

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/19/21 14:53	03/20/21 08:06	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/19/21 14:53	03/20/21 08:06	1
Total TPH	<49.8	U	49.8		mg/Kg		03/19/21 14:53	03/20/21 08:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				03/19/21 14:53	03/20/21 08:06	1
o-Terphenyl	104		70 - 130				03/19/21 14:53	03/20/21 08:06	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	883		25.2		mg/Kg			03/20/21 17:30	5

Client Sample ID: H-3 (0-6')

Lab Sample ID: 880-495-3

Date Collected: 03/16/21 11:30

Matrix: Solid

Date Received: 03/19/21 11:23

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/25/21 17:53	03/26/21 05:49	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/25/21 17:53	03/26/21 05:49	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/25/21 17:53	03/26/21 05:49	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		03/25/21 17:53	03/26/21 05:49	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/25/21 17:53	03/26/21 05:49	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/25/21 17:53	03/26/21 05:49	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/25/21 17:53	03/26/21 05:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				03/25/21 17:53	03/26/21 05:49	1
1,4-Difluorobenzene (Surr)	103		70 - 130				03/25/21 17:53	03/26/21 05:49	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U **	50.0		mg/Kg		03/19/21 14:53	03/20/21 08:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/19/21 14:53	03/20/21 08:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/19/21 14:53	03/20/21 08:28	1
Total TPH	<50.0	U	50.0		mg/Kg		03/19/21 14:53	03/20/21 08:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				03/19/21 14:53	03/20/21 08:28	1
o-Terphenyl	97		70 - 130				03/19/21 14:53	03/20/21 08:28	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5850		49.6		mg/Kg			03/20/21 17:36	10

Eurofins Xenco, Midland



## Client Sample Results

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-525

Job ID: 880-495-1  
SDG: Eddy County NM

Client Sample ID: H-4 (0-6')

Lab Sample ID: 880-495-4

Date Collected: 03/16/21 11:35

Matrix: Solid

Date Received: 03/19/21 11:23

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/25/21 17:53	03/26/21 06:09	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/25/21 17:53	03/26/21 06:09	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/25/21 17:53	03/26/21 06:09	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		03/25/21 17:53	03/26/21 06:09	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/25/21 17:53	03/26/21 06:09	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/25/21 17:53	03/26/21 06:09	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/25/21 17:53	03/26/21 06:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	03/25/21 17:53	03/26/21 06:09	1
1,4-Difluorobenzene (Surr)	100		70 - 130	03/25/21 17:53	03/26/21 06:09	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U *+	50.2		mg/Kg		03/19/21 14:53	03/20/21 08:49	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		03/19/21 14:53	03/20/21 08:49	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		03/19/21 14:53	03/20/21 08:49	1
Total TPH	<50.2	U	50.2		mg/Kg		03/19/21 14:53	03/20/21 08:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	03/19/21 14:53	03/20/21 08:49	1
o-Terphenyl	98		70 - 130	03/19/21 14:53	03/20/21 08:49	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	465		24.9		mg/Kg			03/20/21 17:41	5

Eurofins Xenco, Midland

# Surrogate Summary

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-525

Job ID: 880-495-1  
SDG: Eddy County NM

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-495-1	H-1 (0-6')	115	102
880-495-1 MSD	H-1 (0-6')	105	100
880-495-2	H-2 (0-6')	112	101
880-495-3	H-3 (0-6')	118	103
880-495-4	H-4 (0-6')	113	100
MB 880-807/5-A	Method Blank	102	95
MB 880-881/5-A	Method Blank	102	95
<b>Surrogate Legend</b>			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-495-1	H-1 (0-6')	98	96
880-495-2	H-2 (0-6')	106	104
880-495-3	H-3 (0-6')	103	97
880-495-4	H-4 (0-6')	100	98
LCS 880-615/2-A	Lab Control Sample	142 S1+	127
LCSD 880-615/3-A	Lab Control Sample Dup	136 S1+	124
MB 880-615/1-A	Method Blank	106	103
<b>Surrogate Legend</b>			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Xenco, Midland

## QC Sample Results

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-525

Job ID: 880-495-1  
SDG: Eddy County NM

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-807/5-A

Matrix: Solid

Analysis Batch: 826

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 807

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/24/21 12:52	03/25/21 15:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/24/21 12:52	03/25/21 15:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/24/21 12:52	03/25/21 15:56	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/24/21 12:52	03/25/21 15:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/24/21 12:52	03/25/21 15:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/24/21 12:52	03/25/21 15:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/24/21 12:52	03/25/21 15:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	03/24/21 12:52	03/25/21 15:56	1
1,4-Difluorobenzene (Surr)	95		70 - 130	03/24/21 12:52	03/25/21 15:56	1

Lab Sample ID: MB 880-881/5-A

Matrix: Solid

Analysis Batch: 826

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 881

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/25/21 17:53	03/26/21 02:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/25/21 17:53	03/26/21 02:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/25/21 17:53	03/26/21 02:37	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/25/21 17:53	03/26/21 02:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/25/21 17:53	03/26/21 02:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/25/21 17:53	03/26/21 02:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/25/21 17:53	03/26/21 02:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	03/25/21 17:53	03/26/21 02:37	1
1,4-Difluorobenzene (Surr)	95		70 - 130	03/25/21 17:53	03/26/21 02:37	1

Lab Sample ID: 880-495-1 MSD

Matrix: Solid

Analysis Batch: 826

Client Sample ID: H-1 (0-6')

Prep Type: Total/NA

Prep Batch: 881

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.09523		mg/Kg		95	70 - 130	1	35
Ethylbenzene	<0.00201	U	0.100	0.09924		mg/Kg		98	70 - 130	0	35
Toluene	<0.00201	U	0.100	0.09724		mg/Kg		96	70 - 130	0	35
m-Xylene & p-Xylene	<0.00402	U	0.201	0.2021		mg/Kg		100	70 - 130	1	35
o-Xylene	<0.00201	U	0.100	0.1004		mg/Kg		100	70 - 130	2	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Eurofins Xenco, Midland

## QC Sample Results

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-525

Job ID: 880-495-1  
SDG: Eddy County NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-615/1-A

Matrix: Solid

Analysis Batch: 617

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 615

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/19/21 14:53	03/20/21 01:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/19/21 14:53	03/20/21 01:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/19/21 14:53	03/20/21 01:46	1
Total TPH	<50.0	U	50.0		mg/Kg		03/19/21 14:53	03/20/21 01:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	03/19/21 14:53	03/20/21 01:46	1
o-Terphenyl	103		70 - 130	03/19/21 14:53	03/20/21 01:46	1

Lab Sample ID: LCS 880-615/2-A

Matrix: Solid

Analysis Batch: 617

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 615

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1324	*+	mg/Kg		132	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1195		mg/Kg		120	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	142	S1+	70 - 130
o-Terphenyl	127		70 - 130

Lab Sample ID: LCSD 880-615/3-A

Matrix: Solid

Analysis Batch: 617

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 615

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1320	*+	mg/Kg		132	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	1146		mg/Kg		115	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	136	S1+	70 - 130
o-Terphenyl	124		70 - 130

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-608/1-A

Matrix: Solid

Analysis Batch: 609

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			03/20/21 15:18	1

Eurofins Xenco, Midland

## QC Sample Results

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-525

Job ID: 880-495-1  
SDG: Eddy County NM

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-608/2-A

Matrix: Solid

Analysis Batch: 609

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	252.8		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-608/3-A

Matrix: Solid

Analysis Batch: 609

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	253.0		mg/Kg		101	90 - 110	0	20



## QC Association Summary

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-525

Job ID: 880-495-1  
SDG: Eddy County NM

## GC VOA

## Prep Batch: 807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-807/5-A	Method Blank	Total/NA	Solid	5035	

## Analysis Batch: 826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-495-1	H-1 (0-6')	Total/NA	Solid	8021B	881
880-495-2	H-2 (0-6')	Total/NA	Solid	8021B	881
880-495-3	H-3 (0-6')	Total/NA	Solid	8021B	881
880-495-4	H-4 (0-6')	Total/NA	Solid	8021B	881
MB 880-807/5-A	Method Blank	Total/NA	Solid	8021B	807
MB 880-881/5-A	Method Blank	Total/NA	Solid	8021B	881
880-495-1 MSD	H-1 (0-6')	Total/NA	Solid	8021B	881

## Prep Batch: 881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-495-1	H-1 (0-6')	Total/NA	Solid	5035	
880-495-2	H-2 (0-6')	Total/NA	Solid	5035	
880-495-3	H-3 (0-6')	Total/NA	Solid	5035	
880-495-4	H-4 (0-6')	Total/NA	Solid	5035	
MB 880-881/5-A	Method Blank	Total/NA	Solid	5035	
880-495-1 MSD	H-1 (0-6')	Total/NA	Solid	5035	

## GC Semi VOA

## Prep Batch: 615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-495-1	H-1 (0-6')	Total/NA	Solid	8015NM Prep	
880-495-2	H-2 (0-6')	Total/NA	Solid	8015NM Prep	
880-495-3	H-3 (0-6')	Total/NA	Solid	8015NM Prep	
880-495-4	H-4 (0-6')	Total/NA	Solid	8015NM Prep	
MB 880-615/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-615/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-615/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-495-1	H-1 (0-6')	Total/NA	Solid	8015B NM	615
880-495-2	H-2 (0-6')	Total/NA	Solid	8015B NM	615
880-495-3	H-3 (0-6')	Total/NA	Solid	8015B NM	615
880-495-4	H-4 (0-6')	Total/NA	Solid	8015B NM	615
MB 880-615/1-A	Method Blank	Total/NA	Solid	8015B NM	615
LCS 880-615/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	615
LCSD 880-615/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	615

## HPLC/IC

## Leach Batch: 608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-495-1	H-1 (0-6')	Soluble	Solid	DI Leach	
880-495-2	H-2 (0-6')	Soluble	Solid	DI Leach	
880-495-3	H-3 (0-6')	Soluble	Solid	DI Leach	
880-495-4	H-4 (0-6')	Soluble	Solid	DI Leach	
MB 880-608/1-A	Method Blank	Soluble	Solid	DI Leach	

Eurofins Xenco, Midland

## QC Association Summary

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-525

Job ID: 880-495-1  
SDG: Eddy County NM

## HPLC/IC (Continued)

## Leach Batch: 608 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-608/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-608/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

## Analysis Batch: 609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-495-1	H-1 (0-6')	Soluble	Solid	300.0	608
880-495-2	H-2 (0-6')	Soluble	Solid	300.0	608
880-495-3	H-3 (0-6')	Soluble	Solid	300.0	608
880-495-4	H-4 (0-6')	Soluble	Solid	300.0	608
MB 880-608/1-A	Method Blank	Soluble	Solid	300.0	608
LCS 880-608/2-A	Lab Control Sample	Soluble	Solid	300.0	608
LCSD 880-608/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	608

## Lab Chronicle

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-525

Job ID: 880-495-1  
SDG: Eddy County NM

## Client Sample ID: H-1 (0-6')

Date Collected: 03/16/21 11:20

Date Received: 03/19/21 11:23

## Lab Sample ID: 880-495-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			881	03/25/21 17:53	MR	XM
Total/NA	Analysis	8021B		1	826	03/26/21 03:05	MR	XM
Total/NA	Prep	8015NM Prep			615	03/19/21 14:53	AJ	XM
Total/NA	Analysis	8015B NM		1	617	03/20/21 07:45	AM	XM
Soluble	Leach	DI Leach			608	03/19/21 12:37	CH	XM
Soluble	Analysis	300.0		50	609	03/20/21 17:14	CH	XM

## Client Sample ID: H-2 (0-6')

Date Collected: 03/16/21 11:25

Date Received: 03/19/21 11:23

## Lab Sample ID: 880-495-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			881	03/25/21 17:53	MR	XM
Total/NA	Analysis	8021B		1	826	03/26/21 05:28	MR	XM
Total/NA	Prep	8015NM Prep			615	03/19/21 14:53	AJ	XM
Total/NA	Analysis	8015B NM		1	617	03/20/21 08:06	AM	XM
Soluble	Leach	DI Leach			608	03/19/21 12:37	CH	XM
Soluble	Analysis	300.0		5	609	03/20/21 17:30	CH	XM

## Client Sample ID: H-3 (0-6')

Date Collected: 03/16/21 11:30

Date Received: 03/19/21 11:23

## Lab Sample ID: 880-495-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			881	03/25/21 17:53	MR	XM
Total/NA	Analysis	8021B		1	826	03/26/21 05:49	MR	XM
Total/NA	Prep	8015NM Prep			615	03/19/21 14:53	AJ	XM
Total/NA	Analysis	8015B NM		1	617	03/20/21 08:28	AM	XM
Soluble	Leach	DI Leach			608	03/19/21 12:37	CH	XM
Soluble	Analysis	300.0		10	609	03/20/21 17:36	CH	XM

## Client Sample ID: H-4 (0-6')

Date Collected: 03/16/21 11:35

Date Received: 03/19/21 11:23

## Lab Sample ID: 880-495-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			881	03/25/21 17:53	MR	XM
Total/NA	Analysis	8021B		1	826	03/26/21 06:09	MR	XM
Total/NA	Prep	8015NM Prep			615	03/19/21 14:53	AJ	XM
Total/NA	Analysis	8015B NM		1	617	03/20/21 08:49	AM	XM
Soluble	Leach	DI Leach			608	03/19/21 12:37	CH	XM
Soluble	Analysis	300.0		5	609	03/20/21 17:41	CH	XM

## Laboratory References:

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

Eurofins Xenco, Midland

Accreditation/Certification Summary

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-525

Job ID: 880-495-1  
SDG: Eddy County NM

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

## Method Summary

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-525

Job ID: 880-495-1  
SDG: Eddy County NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XM
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XM
300.0	Anions, Ion Chromatography	MCAWW	XM
5035	Closed System Purge and Trap	SW846	XM
8015NM Prep	Microextraction	SW846	XM
DI Leach	Deionized Water Leaching Procedure	ASTM	XM

### Protocol References:

ASTM = ASTM International

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

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

### Laboratory References:

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

Eurofins Xenco, Midland



## Sample Summary

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-525

Job ID: 880-495-1  
SDG: Eddy County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-495-1	H-1 (0-6')	Solid	03/16/21 11:20	03/19/21 11:23	
880-495-2	H-2 (0-6')	Solid	03/16/21 11:25	03/19/21 11:23	
880-495-3	H-3 (0-6')	Solid	03/16/21 11:30	03/19/21 11:23	
880-495-4	H-4 (0-6')	Solid	03/16/21 11:35	03/19/21 11:23	

Eurofins Xenco, Midland



## Chain of Custody



880-495 COO

**Work Order No:** \_\_\_\_\_

Page 1 of 1



Project Manager	Mike Carmona	Bill to: (if different)	James Kennedy
Company Name	NTG Environmental	Company Name	EOG Resources
Address	701 Tradewinds BLVD	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79706	City, State ZIP	Midland, Tx 79706
Phone	432-813-0263	Email	James_Kennedy@eogresources

Work Order Comments									
Program:	UST/PST	<input type="checkbox"/> PRR	<input type="checkbox"/> Brownfields	<input type="checkbox"/> IRC	<input type="checkbox"/> Iperfund	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
State of Project:									
Reporting Level II	<input type="checkbox"/> Level III	<input type="checkbox"/> ST/UST	<input type="checkbox"/> RRP	<input type="checkbox"/> Level IV	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Deliverables	EDD	<input type="checkbox"/>	Adapt	<input type="checkbox"/>	Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

[illegible]

**Additoinal Comments:**

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenoco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenoco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenoco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenoco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 		3/19/2021	2		
2		11-23	4		
3			6		
4					
5					

## Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-495-1

SDG Number: Eddy County NM

**Login Number: 495****List Number: 1****Creator: Teel, Brianna****List Source: Eurofins Midland**

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



## Environment Testing America

### ANALYTICAL REPORT

Eurofins Xenco, Midland  
1211 W. Florida Ave  
Midland, TX 79701  
Tel: (432)704-5440

Laboratory Job ID: 880-498-1

Laboratory Sample Delivery Group: Eddy County NM  
Client Project/Site: EOG - Zinnia Fed #1 2RP-525

For:

NT Global  
701 Tradewinds Blvd  
Midland, Texas 79706

Attn: Mike Carmona

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

Authorized for release by:  
3/31/2021 1:06:27 PM

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

#### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

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

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

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-525

Laboratory Job ID: 880-498-1  
SDG: Eddy County NM

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## Definitions/Glossary

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-525

Job ID: 880-498-1  
SDG: Eddy County NM

## Qualifiers

## GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

## GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

## HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

## Glossary

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

Eurofins Xenco, Midland



## Case Narrative

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-525

Job ID: 880-498-1  
SDG: Eddy County NM

**Job ID: 880-498-1**

**Laboratory: Eurofins Xenco, Midland**

### Narrative

#### Job Narrative 880-498-1

#### Receipt

The samples were received on 3/19/2021 11:23 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.8°C

#### GC VOA

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

#### GC Semi VOA

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

#### HPLC/IC

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

## Detection Summary

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-525

Job ID: 880-498-1  
SDG: Eddy County NM

## Client Sample ID: S-1 (0-1')

## Lab Sample ID: 880-498-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	24.9		4.95		mg/Kg	1		300.0	Soluble

## Client Sample ID: S-1 (1'-1.5')

## Lab Sample ID: 880-498-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	61.9		5.00		mg/Kg	1		300.0	Soluble

## Client Sample ID: S-2 (0-1')

## Lab Sample ID: 880-498-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	221		4.99		mg/Kg	1		300.0	Soluble

## Client Sample ID: S-2 (1'-1.5')

## Lab Sample ID: 880-498-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	373		5.04		mg/Kg	1		300.0	Soluble

This Detection Summary does not include radiochemical test results.

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## Client Sample Results

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-525

Job ID: 880-498-1  
SDG: Eddy County NM

Client Sample ID: S-1 (0-1')

Lab Sample ID: 880-498-1

Date Collected: 03/16/21 11:00

Matrix: Solid

Date Received: 03/19/21 11:23

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/25/21 17:53	03/26/21 09:48	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/25/21 17:53	03/26/21 09:48	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/25/21 17:53	03/26/21 09:48	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/25/21 17:53	03/26/21 09:48	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/25/21 17:53	03/26/21 09:48	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/25/21 17:53	03/26/21 09:48	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		03/25/21 17:53	03/26/21 09:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	03/25/21 17:53	03/26/21 09:48	1
1,4-Difluorobenzene (Surr)	102		70 - 130	03/25/21 17:53	03/26/21 09:48	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U **	49.8		mg/Kg		03/19/21 14:53	03/20/21 02:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/19/21 14:53	03/20/21 02:49	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/19/21 14:53	03/20/21 02:49	1
Total TPH	<49.8	U	49.8		mg/Kg		03/19/21 14:53	03/20/21 02:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	03/19/21 14:53	03/20/21 02:49	1
o-Terphenyl	95		70 - 130	03/19/21 14:53	03/20/21 02:49	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.9		4.95		mg/Kg			03/29/21 22:29	1

Client Sample ID: S-1 (1'-1.5')

Lab Sample ID: 880-498-2

Date Collected: 03/16/21 11:05

Matrix: Solid

Date Received: 03/19/21 11:23

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/25/21 17:53	03/26/21 10:09	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/25/21 17:53	03/26/21 10:09	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/25/21 17:53	03/26/21 10:09	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/25/21 17:53	03/26/21 10:09	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/25/21 17:53	03/26/21 10:09	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/25/21 17:53	03/26/21 10:09	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		03/25/21 17:53	03/26/21 10:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	03/25/21 17:53	03/26/21 10:09	1
1,4-Difluorobenzene (Surr)	102		70 - 130	03/25/21 17:53	03/26/21 10:09	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U **	49.9		mg/Kg		03/19/21 14:53	03/20/21 03:52	1

Eurofins Xenco, Midland

## Client Sample Results

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-525

Job ID: 880-498-1  
SDG: Eddy County NM

Client Sample ID: S-1 (1'-1.5')

Lab Sample ID: 880-498-2

Date Collected: 03/16/21 11:05

Matrix: Solid

Date Received: 03/19/21 11:23

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/19/21 14:53	03/20/21 03:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/19/21 14:53	03/20/21 03:52	1
Total TPH	<49.9	U	49.9		mg/Kg		03/19/21 14:53	03/20/21 03:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				03/19/21 14:53	03/20/21 03:52	1
o-Terphenyl	102		70 - 130				03/19/21 14:53	03/20/21 03:52	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61.9		5.00		mg/Kg			03/29/21 22:44	1

Client Sample ID: S-2 (0-1')

Lab Sample ID: 880-498-3

Date Collected: 03/16/21 11:10

Matrix: Solid

Date Received: 03/19/21 11:23

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/26/21 11:28	03/26/21 17:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/26/21 11:28	03/26/21 17:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/26/21 11:28	03/26/21 17:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/26/21 11:28	03/26/21 17:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/26/21 11:28	03/26/21 17:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/26/21 11:28	03/26/21 17:42	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		03/26/21 11:28	03/26/21 17:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130				03/26/21 11:28	03/26/21 17:42	1
1,4-Difluorobenzene (Surr)	97		70 - 130				03/26/21 11:28	03/26/21 17:42	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U **	50.0		mg/Kg		03/19/21 14:53	03/20/21 04:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/19/21 14:53	03/20/21 04:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/19/21 14:53	03/20/21 04:13	1
Total TPH	<50.0	U	50.0		mg/Kg		03/19/21 14:53	03/20/21 04:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				03/19/21 14:53	03/20/21 04:13	1
o-Terphenyl	102		70 - 130				03/19/21 14:53	03/20/21 04:13	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	221		4.99		mg/Kg			03/29/21 22:49	1

Eurofins Xenco, Midland

## Client Sample Results

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-525

Job ID: 880-498-1  
SDG: Eddy County NM

Client Sample ID: S-2 (1'-1.5')

Lab Sample ID: 880-498-4

Date Collected: 03/16/21 11:15

Matrix: Solid

Date Received: 03/19/21 11:23

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/26/21 11:28	03/26/21 18:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/26/21 11:28	03/26/21 18:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/26/21 11:28	03/26/21 18:08	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/26/21 11:28	03/26/21 18:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/26/21 11:28	03/26/21 18:08	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/26/21 11:28	03/26/21 18:08	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/26/21 11:28	03/26/21 18:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	03/26/21 11:28	03/26/21 18:08	1
1,4-Difluorobenzene (Surr)	92		70 - 130	03/26/21 11:28	03/26/21 18:08	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0		mg/Kg		03/19/21 14:53	03/20/21 04:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/19/21 14:53	03/20/21 04:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/19/21 14:53	03/20/21 04:34	1
Total TPH	<50.0	U	50.0		mg/Kg		03/19/21 14:53	03/20/21 04:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	03/19/21 14:53	03/20/21 04:34	1
o-Terphenyl	96		70 - 130	03/19/21 14:53	03/20/21 04:34	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	373		5.04		mg/Kg			03/29/21 22:54	1

Eurofins Xenco, Midland

## Surrogate Summary

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-525

Job ID: 880-498-1  
SDG: Eddy County NM

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-498-1	S-1 (0-1')	112	102
880-498-2	S-1 (1'-1.5')	112	102
880-498-3	S-2 (0-1')	144 S1+	97
880-498-4	S-2 (1'-1.5')	107	92
LCS 880-881/1-A	Lab Control Sample	104	100
LCS 880-905/1-A	Lab Control Sample	97	89
LCSD 880-881/2-A	Lab Control Sample Dup	102	96
LCSD 880-905/2-A	Lab Control Sample Dup	103	102
MB 880-807/5-A	Method Blank	102	95
MB 880-851/5-A	Method Blank	70	81
MB 880-881/5-A	Method Blank	102	95
MB 880-905/5-A	Method Blank	71	81
<b>Surrogate Legend</b>			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-498-1	S-1 (0-1')	100	95
880-498-1 MS	S-1 (0-1')	102	90
880-498-1 MSD	S-1 (0-1')	100	89
880-498-2	S-1 (1'-1.5')	103	102
880-498-3	S-2 (0-1')	105	102
880-498-4	S-2 (1'-1.5')	99	96
LCS 880-615/2-A	Lab Control Sample	142 S1+	127
LCSD 880-615/3-A	Lab Control Sample Dup	136 S1+	124
MB 880-615/1-A	Method Blank	106	103
<b>Surrogate Legend</b>			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Xenco, Midland



## QC Sample Results

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-525

Job ID: 880-498-1  
SDG: Eddy County NM

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-807/5-A

Matrix: Solid

Analysis Batch: 826

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 807

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/24/21 12:52	03/25/21 15:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/24/21 12:52	03/25/21 15:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/24/21 12:52	03/25/21 15:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/24/21 12:52	03/25/21 15:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/24/21 12:52	03/25/21 15:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/24/21 12:52	03/25/21 15:56	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/24/21 12:52	03/25/21 15:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	03/24/21 12:52	03/25/21 15:56	1
1,4-Difluorobenzene (Surr)	95		70 - 130	03/24/21 12:52	03/25/21 15:56	1

Lab Sample ID: MB 880-851/5-A

Matrix: Solid

Analysis Batch: 846

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 851

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/25/21 10:53	03/26/21 01:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/25/21 10:53	03/26/21 01:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/25/21 10:53	03/26/21 01:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/25/21 10:53	03/26/21 01:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/25/21 10:53	03/26/21 01:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/25/21 10:53	03/26/21 01:09	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/25/21 10:53	03/26/21 01:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70		70 - 130	03/25/21 10:53	03/26/21 01:09	1
1,4-Difluorobenzene (Surr)	81		70 - 130	03/25/21 10:53	03/26/21 01:09	1

Lab Sample ID: MB 880-881/5-A

Matrix: Solid

Analysis Batch: 826

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 881

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/25/21 17:53	03/26/21 02:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/25/21 17:53	03/26/21 02:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/25/21 17:53	03/26/21 02:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/25/21 17:53	03/26/21 02:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/25/21 17:53	03/26/21 02:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/25/21 17:53	03/26/21 02:37	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/25/21 17:53	03/26/21 02:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	03/25/21 17:53	03/26/21 02:37	1
1,4-Difluorobenzene (Surr)	95		70 - 130	03/25/21 17:53	03/26/21 02:37	1

Eurofins Xenco, Midland

## QC Sample Results

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-525

Job ID: 880-498-1  
SDG: Eddy County NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-881/1-A

Matrix: Solid

Analysis Batch: 826

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 881

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1042		mg/Kg		104	70 - 130
Toluene	0.100	0.1058		mg/Kg		106	70 - 130
Ethylbenzene	0.100	0.1156		mg/Kg		116	70 - 130
m-Xylene & p-Xylene	0.200	0.2317		mg/Kg		116	70 - 130
o-Xylene	0.100	0.1118		mg/Kg		112	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-881/2-A

Matrix: Solid

Analysis Batch: 826

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 881

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1040		mg/Kg		104	70 - 130	0	35
Toluene	0.100	0.1072		mg/Kg		107	70 - 130	1	35
Ethylbenzene	0.100	0.1124		mg/Kg		112	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2295		mg/Kg		115	70 - 130	1	35
o-Xylene	0.100	0.1132		mg/Kg		113	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: MB 880-905/5-A

Matrix: Solid

Analysis Batch: 846

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 905

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/26/21 11:28	03/26/21 14:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/26/21 11:28	03/26/21 14:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/26/21 11:28	03/26/21 14:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/26/21 11:28	03/26/21 14:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/26/21 11:28	03/26/21 14:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/26/21 11:28	03/26/21 14:25	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/26/21 11:28	03/26/21 14:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	71		70 - 130	03/26/21 11:28	03/26/21 14:25	1
1,4-Difluorobenzene (Surr)	81		70 - 130	03/26/21 11:28	03/26/21 14:25	1

Lab Sample ID: LCS 880-905/1-A

Matrix: Solid

Analysis Batch: 846

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 905

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09780		mg/Kg		98	70 - 130

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## QC Sample Results

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-525

Job ID: 880-498-1  
SDG: Eddy County NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-905/1-A

Matrix: Solid

Analysis Batch: 846

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 905

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	0.100	0.08995		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.09617		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	0.200	0.1920		mg/Kg		96	70 - 130
o-Xylene	0.100	0.09975		mg/Kg		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: LCSD 880-905/2-A

Matrix: Solid

Analysis Batch: 846

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 905

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1028		mg/Kg		103	70 - 130	5	35
Toluene	0.100	0.09785		mg/Kg		98	70 - 130	8	35
Ethylbenzene	0.100	0.1002		mg/Kg		100	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.1999		mg/Kg		100	70 - 130	4	35
o-Xylene	0.100	0.1042		mg/Kg		104	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-615/1-A

Matrix: Solid

Analysis Batch: 617

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 615

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/19/21 14:53	03/20/21 01:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/19/21 14:53	03/20/21 01:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/19/21 14:53	03/20/21 01:46	1
Total TPH	<50.0	U	50.0		mg/Kg		03/19/21 14:53	03/20/21 01:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	03/19/21 14:53	03/20/21 01:46	1
o-Terphenyl	103		70 - 130	03/19/21 14:53	03/20/21 01:46	1

Lab Sample ID: LCS 880-615/2-A

Matrix: Solid

Analysis Batch: 617

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 615

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1324	*+	mg/Kg		132	70 - 130

Eurofins Xenco, Midland

## QC Sample Results

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-525

Job ID: 880-498-1  
SDG: Eddy County NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-615/2-A

Matrix: Solid

Analysis Batch: 617

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 615

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics (Over C10-C28)			1000	1195		mg/Kg		120	70 - 130		
Surrogate		LCS %Recovery	LCS Qualifier	Limits							
1-Chlorooctane		142	S1+	70 - 130							
o-Terphenyl		127		70 - 130							

Lab Sample ID: LCSD 880-615/3-A

Matrix: Solid

Analysis Batch: 617

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 615

			Spike	LCSD	LCSD				%Rec.	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1320	*+	mg/Kg	-	132	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	1146		mg/Kg		115	70 - 130	4	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits								
1-Chlorooctane	136	S1+	70 - 130								
o-Terphenyl	124		70 - 130								

Lab Sample ID: 880-498-1 MS

Matrix: Solid

Analysis Batch: 617

Client Sample ID: S-1 (0-1')

Prep Type: Total/NA

Prep Batch: 615

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.		
	Result	Qualifier	Added	Result	Qualifier				Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+	998	936.9		mg/Kg		94	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U	998	991.1		mg/Kg		99	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	102		70 - 130								
o-Terphenyl	90		70 - 130								

Lab Sample ID: 880-498-1 MSD

Matrix: Solid

Analysis Batch: 617

Client Sample ID: S-1 (0-1')

Prep Type: Total/NA

Prep Batch: 615

Table 1: Data for Table 1											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *	1000	945.3		mg/Kg		94	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.8	U	1000	1004		mg/Kg		100	70 - 130	1	20
Table 2: Data for Table 2											
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	100		70 - 130								
o-Terphenyl	89		70 - 130								

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## QC Sample Results

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-525

Job ID: 880-498-1  
SDG: Eddy County NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-687/1-A

Matrix: Solid

Analysis Batch: 1002

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			03/29/21 22:14	1

Lab Sample ID: LCS 880-687/2-A

Matrix: Solid

Analysis Batch: 1002

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	252.3		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-687/3-A

Matrix: Solid

Analysis Batch: 1002

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	249.0		mg/Kg		100	90 - 110	1	20

Lab Sample ID: 880-498-1 MS

Matrix: Solid

Analysis Batch: 1002

Client Sample ID: S-1 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	24.9		248	261.5		mg/Kg		96	90 - 110

Lab Sample ID: 880-498-1 MSD

Matrix: Solid

Analysis Batch: 1002

Client Sample ID: S-1 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	24.9		248	264.9		mg/Kg		97	90 - 110	1	20

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## QC Association Summary

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-525

Job ID: 880-498-1  
SDG: Eddy County NM

## GC VOA

## Prep Batch: 807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-807/5-A	Method Blank	Total/NA	Solid	5035	

## Analysis Batch: 826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-498-1	S-1 (0-1')	Total/NA	Solid	8021B	881
880-498-2	S-1 (1'-1.5')	Total/NA	Solid	8021B	881
MB 880-807/5-A	Method Blank	Total/NA	Solid	8021B	807
MB 880-881/5-A	Method Blank	Total/NA	Solid	8021B	881
LCS 880-881/1-A	Lab Control Sample	Total/NA	Solid	8021B	881
LCSD 880-881/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	881

## Analysis Batch: 846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-498-3	S-2 (0-1')	Total/NA	Solid	8021B	905
880-498-4	S-2 (1'-1.5')	Total/NA	Solid	8021B	905
MB 880-851/5-A	Method Blank	Total/NA	Solid	8021B	851
MB 880-905/5-A	Method Blank	Total/NA	Solid	8021B	905
LCS 880-905/1-A	Lab Control Sample	Total/NA	Solid	8021B	905
LCSD 880-905/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	905

## Prep Batch: 851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-851/5-A	Method Blank	Total/NA	Solid	5035	

## Prep Batch: 881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-498-1	S-1 (0-1')	Total/NA	Solid	5035	
880-498-2	S-1 (1'-1.5')	Total/NA	Solid	5035	
MB 880-881/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-881/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-881/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

## Prep Batch: 905

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-498-3	S-2 (0-1')	Total/NA	Solid	5035	
880-498-4	S-2 (1'-1.5')	Total/NA	Solid	5035	
MB 880-905/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-905/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-905/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

## GC Semi VOA

## Prep Batch: 615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-498-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-498-2	S-1 (1'-1.5')	Total/NA	Solid	8015NM Prep	
880-498-3	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-498-4	S-2 (1'-1.5')	Total/NA	Solid	8015NM Prep	
MB 880-615/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-615/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-615/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

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## QC Association Summary

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-525

Job ID: 880-498-1  
SDG: Eddy County NM

## GC Semi VOA (Continued)

## Prep Batch: 615 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-498-1 MS	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-498-1 MSD	S-1 (0-1')	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-498-1	S-1 (0-1')	Total/NA	Solid	8015B NM	615
880-498-2	S-1 (1'-1.5')	Total/NA	Solid	8015B NM	615
880-498-3	S-2 (0-1')	Total/NA	Solid	8015B NM	615
880-498-4	S-2 (1'-1.5')	Total/NA	Solid	8015B NM	615
MB 880-615/1-A	Method Blank	Total/NA	Solid	8015B NM	615
LCS 880-615/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	615
LCSD 880-615/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	615
880-498-1 MS	S-1 (0-1')	Total/NA	Solid	8015B NM	615
880-498-1 MSD	S-1 (0-1')	Total/NA	Solid	8015B NM	615

## HPLC/IC

## Leach Batch: 687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-498-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-498-2	S-1 (1'-1.5')	Soluble	Solid	DI Leach	
880-498-3	S-2 (0-1')	Soluble	Solid	DI Leach	
880-498-4	S-2 (1'-1.5')	Soluble	Solid	DI Leach	
MB 880-687/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-687/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-687/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-498-1 MS	S-1 (0-1')	Soluble	Solid	DI Leach	
880-498-1 MSD	S-1 (0-1')	Soluble	Solid	DI Leach	

## Analysis Batch: 1002

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-498-1	S-1 (0-1')	Soluble	Solid	300.0	687
880-498-2	S-1 (1'-1.5')	Soluble	Solid	300.0	687
880-498-3	S-2 (0-1')	Soluble	Solid	300.0	687
880-498-4	S-2 (1'-1.5')	Soluble	Solid	300.0	687
MB 880-687/1-A	Method Blank	Soluble	Solid	300.0	687
LCS 880-687/2-A	Lab Control Sample	Soluble	Solid	300.0	687
LCSD 880-687/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	687
880-498-1 MS	S-1 (0-1')	Soluble	Solid	300.0	687
880-498-1 MSD	S-1 (0-1')	Soluble	Solid	300.0	687

Eurofins Xenco, Midland

## Lab Chronicle

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-525

Job ID: 880-498-1  
SDG: Eddy County NM

Client Sample ID: S-1 (0-1')

Lab Sample ID: 880-498-1

Date Collected: 03/16/21 11:00

Matrix: Solid

Date Received: 03/19/21 11:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			881	03/25/21 17:53	MR	XM
Total/NA	Analysis	8021B		1	826	03/26/21 09:48	MR	XM
Total/NA	Prep	8015NM Prep			615	03/19/21 14:53	AJ	XM
Total/NA	Analysis	8015B NM		1	617	03/20/21 02:49	AM	XM
Soluble	Leach	DI Leach			687	03/22/21 11:14	CH	XM
Soluble	Analysis	300.0		1	1002	03/29/21 22:29	CH	XM

Client Sample ID: S-1 (1'-1.5')

Lab Sample ID: 880-498-2

Date Collected: 03/16/21 11:05

Matrix: Solid

Date Received: 03/19/21 11:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			881	03/25/21 17:53	MR	XM
Total/NA	Analysis	8021B		1	826	03/26/21 10:09	MR	XM
Total/NA	Prep	8015NM Prep			615	03/19/21 14:53	AJ	XM
Total/NA	Analysis	8015B NM		1	617	03/20/21 03:52	AM	XM
Soluble	Leach	DI Leach			687	03/22/21 11:14	CH	XM
Soluble	Analysis	300.0		1	1002	03/29/21 22:44	CH	XM

Client Sample ID: S-2 (0-1')

Lab Sample ID: 880-498-3

Date Collected: 03/16/21 11:10

Matrix: Solid

Date Received: 03/19/21 11:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			905	03/26/21 11:28	MR	XM
Total/NA	Analysis	8021B		1	846	03/26/21 17:42	MR	XM
Total/NA	Prep	8015NM Prep			615	03/19/21 14:53	AJ	XM
Total/NA	Analysis	8015B NM		1	617	03/20/21 04:13	AM	XM
Soluble	Leach	DI Leach			687	03/22/21 11:14	CH	XM
Soluble	Analysis	300.0		1	1002	03/29/21 22:49	CH	XM

Client Sample ID: S-2 (1'-1.5')

Lab Sample ID: 880-498-4

Date Collected: 03/16/21 11:15

Matrix: Solid

Date Received: 03/19/21 11:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			905	03/26/21 11:28	MR	XM
Total/NA	Analysis	8021B		1	846	03/26/21 18:08	MR	XM
Total/NA	Prep	8015NM Prep			615	03/19/21 14:53	AJ	XM
Total/NA	Analysis	8015B NM		1	617	03/20/21 04:34	AM	XM
Soluble	Leach	DI Leach			687	03/22/21 11:14	CH	XM
Soluble	Analysis	300.0		1	1002	03/29/21 22:54	CH	XM

## Laboratory References:

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

Eurofins Xenco, Midland

## Accreditation/Certification Summary

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-525

Job ID: 880-498-1  
SDG: Eddy County NM

### Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

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

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Eurofins Xenco, Midland

## Method Summary

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-525

Job ID: 880-498-1  
SDG: Eddy County NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XM
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XM
300.0	Anions, Ion Chromatography	MCAWW	XM
5035	Closed System Purge and Trap	SW846	XM
8015NM Prep	Microextraction	SW846	XM
DI Leach	Deionized Water Leaching Procedure	ASTM	XM

### Protocol References:

ASTM = ASTM International

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

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

### Laboratory References:

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

Eurofins Xenco, Midland

## Sample Summary

Client: NT Global  
Project/Site: EOG - Zinnia Fed #1 2RP-525

Job ID: 880-498-1  
SDG: Eddy County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-498-1	S-1 (0-1')	Solid	03/16/21 11:00	03/19/21 11:23	
880-498-2	S-1 (1'-1.5')	Solid	03/16/21 11:05	03/19/21 11:23	
880-498-3	S-2 (0-1')	Solid	03/16/21 11:10	03/19/21 11:23	
880-498-4	S-2 (1'-1.5')	Solid	03/16/21 11:15	03/19/21 11:23	



Chain of Custody

880-498 COC



Work Order No: \_\_\_\_\_

Page 1 of 1

Project Manager	Mike Carrona	Bill to: (if different)	James Kennedy
Company Name	NTG Environmental	Company Name:	EOG Resources
Address	701 Tradewinds Blvd	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79706	City, State ZIP	Midland, Tx 79706
Phone	432-813-0263	Email	James_Kennedy@eogresources

Project Name:		Zinnia Fed #1 2RP-525	
Project Number	214051	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	
Project Location	Eddy County, NM	Due Date	72HR
Sample's Name:	CM	TAT starts the day received by the lab if received by 4:30pm	
PO #:			

<b>SAMPLE RECEIPT</b>		Temp Blank	Yes No	Wet Ice	(Yes) No
Received In tact:	Yes No	Thermometer ID:			
Cooler Custody Seals:	Yes No N/A	Correction Factor			
Sample Custody Seals:	Yes No N/A	Temperature Reading			
Total Containers:		Corrected Temperature			

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST										Preservative Codes	
S-1(0-1')	3/16/2021	11 00	X		G	1	X	X	X								None NO	DI Water H <sub>2</sub> O
S-1(1'-1.5')	3/16/2021	11 05	X		G	1	X	X	X								Cool Cool	MeOH Me
S-2(0-1')	3/16/2021	11 10	X		G	1	X	X	X								HCL HC	HNO <sub>3</sub> HN
S-2(1'-1.5')	3/16/2021	11 15	X		G	1	X	X	X								H <sub>2</sub> SO <sub>4</sub> H <sub>2</sub>	NaOH Na
																	H <sub>3</sub> PO <sub>4</sub> HP	
																	NaHSO <sub>4</sub> NABIS	
																	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> NaSO <sub>3</sub>	
																	Zn Acetate+NaOH Zn	
																	NaOH+Ascorbic Acid SAPC	

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

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
		3/19/2021			
		11 23			



## Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-498-1

SDG Number: Eddy County NM

**Login Number: 498****List Number: 1****Creator: Teel, Brianna****List Source: Eurofins Midland**

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



## Environment Testing America

### ANALYTICAL REPORT

Eurofins Xenco, Midland  
1211 W. Florida Ave  
Midland, TX 79701  
Tel: (432)704-5440

Laboratory Job ID: 880-1257-1

Laboratory Sample Delivery Group: Eddy Co, NM  
Client Project/Site: Zinnia Fed Unit #1 2RP-525

**For:**

NT Global  
701 Tradewinds Blvd  
Midland, Texas 79706

Attn: Mike Carmona

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

Authorized for release by:  
4/15/2021 8:21:05 PM

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

#### LINKS

Review your project  
results through

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[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

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

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

Client: NT Global  
Project/Site: Zinnia Fed Unit #1 2RP-525

Laboratory Job ID: 880-1257-1  
SDG: Eddy Co, NM

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## Definitions/Glossary

Client: NT Global  
Project/Site: Zinnia Fed Unit #1 2RP-525

Job ID: 880-1257-1  
SDG: Eddy Co, NM

## Qualifiers

## GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

## GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

## HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

## Glossary

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

**Case Narrative**

Client: NT Global  
Project/Site: Zinnia Fed Unit #1 2RP-525

Job ID: 880-1257-1  
SDG: Eddy Co, NM

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**Job ID: 880-1257-1**

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**Laboratory: Eurofins Xenco, Midland**

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**Narrative**

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**Job Narrative**  
**880-1257-1**

**Receipt**

The samples were received on 4/13/2021 4:27 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.5°C

**GC VOA**

Method 8021B: Surrogate recovery for the following sample was outside control limits: CS-4 (3') (880-1257-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

**GC Semi VOA**

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

**HPLC/IC**

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

## Client Sample Results

Client: NT Global  
Project/Site: Zinnia Fed Unit #1 2RP-525

Job ID: 880-1257-1  
SDG: Eddy Co, NM

Client Sample ID: CS-1 (3')

Lab Sample ID: 880-1257-1

Date Collected: 04/12/21 00:00

Matrix: Solid

Date Received: 04/13/21 16:27

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/14/21 08:56	04/14/21 13:30	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/14/21 08:56	04/14/21 13:30	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/14/21 08:56	04/14/21 13:30	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/14/21 08:56	04/14/21 13:30	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/14/21 08:56	04/14/21 13:30	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/14/21 08:56	04/14/21 13:30	1
Total BTEX	<0.00198	U	0.00198		mg/Kg		04/14/21 08:56	04/14/21 13:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	04/14/21 08:56	04/14/21 13:30	1
1,4-Difluorobenzene (Surr)	115		70 - 130	04/14/21 08:56	04/14/21 13:30	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/14/21 08:54	04/14/21 12:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U ** *1	49.9		mg/Kg		04/14/21 08:54	04/14/21 12:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/14/21 08:54	04/14/21 12:30	1
Total TPH	<49.9	U	49.9		mg/Kg		04/14/21 08:54	04/14/21 12:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	04/14/21 08:54	04/14/21 12:30	1
o-Terphenyl	99		70 - 130	04/14/21 08:54	04/14/21 12:30	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.8		5.01		mg/Kg			04/15/21 15:23	1

Client Sample ID: CS-2 (3')

Lab Sample ID: 880-1257-2

Date Collected: 04/12/21 00:00

Matrix: Solid

Date Received: 04/13/21 16:27

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/14/21 08:56	04/14/21 13:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/14/21 08:56	04/14/21 13:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/14/21 08:56	04/14/21 13:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/14/21 08:56	04/14/21 13:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/14/21 08:56	04/14/21 13:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/14/21 08:56	04/14/21 13:51	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		04/14/21 08:56	04/14/21 13:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	04/14/21 08:56	04/14/21 13:51	1
1,4-Difluorobenzene (Surr)	106		70 - 130	04/14/21 08:56	04/14/21 13:51	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/14/21 08:54	04/14/21 13:34	1

Eurofins Xenco, Midland



## Client Sample Results

Client: NT Global  
Project/Site: Zinnia Fed Unit #1 2RP-525

Job ID: 880-1257-1  
SDG: Eddy Co, NM

## Client Sample ID: CS-2 (3')

## Lab Sample ID: 880-1257-2

Date Collected: 04/12/21 00:00

Matrix: Solid

Date Received: 04/13/21 16:27

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U ** *1	49.9		mg/Kg		04/14/21 08:54	04/14/21 13:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/14/21 08:54	04/14/21 13:34	1
Total TPH	<49.9	U	49.9		mg/Kg		04/14/21 08:54	04/14/21 13:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				04/14/21 08:54	04/14/21 13:34	1
o-Terphenyl	100		70 - 130				04/14/21 08:54	04/14/21 13:34	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.2		4.98		mg/Kg			04/15/21 15:38	1

## Client Sample ID: CS-3 (3')

## Lab Sample ID: 880-1257-3

Date Collected: 04/12/21 00:00

Matrix: Solid

Date Received: 04/13/21 16:27

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/14/21 08:56	04/14/21 14:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/14/21 08:56	04/14/21 14:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/14/21 08:56	04/14/21 14:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/14/21 08:56	04/14/21 14:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/14/21 08:56	04/14/21 14:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/14/21 08:56	04/14/21 14:12	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		04/14/21 08:56	04/14/21 14:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				04/14/21 08:56	04/14/21 14:12	1
1,4-Difluorobenzene (Surr)	117		70 - 130				04/14/21 08:56	04/14/21 14:12	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/14/21 08:54	04/14/21 13:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U ** *1	49.8		mg/Kg		04/14/21 08:54	04/14/21 13:55	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/14/21 08:54	04/14/21 13:55	1
Total TPH	<49.8	U	49.8		mg/Kg		04/14/21 08:54	04/14/21 13:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				04/14/21 08:54	04/14/21 13:55	1
o-Terphenyl	98		70 - 130				04/14/21 08:54	04/14/21 13:55	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.5		4.95		mg/Kg			04/15/21 15:43	1

Eurofins Xenco, Midland

## Client Sample Results

Client: NT Global  
Project/Site: Zinnia Fed Unit #1 2RP-525

Job ID: 880-1257-1  
SDG: Eddy Co, NM

Client Sample ID: CS-4 (3')

Lab Sample ID: 880-1257-4

Date Collected: 04/12/21 00:00

Matrix: Solid

Date Received: 04/13/21 16:27

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/14/21 08:56	04/14/21 14:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/14/21 08:56	04/14/21 14:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/14/21 08:56	04/14/21 14:33	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/14/21 08:56	04/14/21 14:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/14/21 08:56	04/14/21 14:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/14/21 08:56	04/14/21 14:33	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		04/14/21 08:56	04/14/21 14:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	04/14/21 08:56	04/14/21 14:33	1
1,4-Difluorobenzene (Surr)	115		70 - 130	04/14/21 08:56	04/14/21 14:33	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	68.9		49.9		mg/Kg		04/14/21 08:54	04/14/21 14:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U ** *1	49.9		mg/Kg		04/14/21 08:54	04/14/21 14:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/14/21 08:54	04/14/21 14:17	1
Total TPH	68.9		49.9		mg/Kg		04/14/21 08:54	04/14/21 14:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	04/14/21 08:54	04/14/21 14:17	1
o-Terphenyl	101		70 - 130	04/14/21 08:54	04/14/21 14:17	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.2		5.03		mg/Kg			04/15/21 15:48	1

Client Sample ID: SW-1

Lab Sample ID: 880-1257-5

Date Collected: 04/12/21 00:00

Matrix: Solid

Date Received: 04/13/21 16:27

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/14/21 10:34	04/14/21 19:39	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/14/21 10:34	04/14/21 19:39	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/14/21 10:34	04/14/21 19:39	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/14/21 10:34	04/14/21 19:39	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/14/21 10:34	04/14/21 19:39	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/14/21 10:34	04/14/21 19:39	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		04/14/21 10:34	04/14/21 19:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	04/14/21 10:34	04/14/21 19:39	1
1,4-Difluorobenzene (Surr)	91		70 - 130	04/14/21 10:34	04/14/21 19:39	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/14/21 08:54	04/14/21 14:38	1

Eurofins Xenco, Midland

## Client Sample Results

Client: NT Global  
Project/Site: Zinnia Fed Unit #1 2RP-525

Job ID: 880-1257-1  
SDG: Eddy Co, NM

## Client Sample ID: SW-1

## Lab Sample ID: 880-1257-5

Date Collected: 04/12/21 00:00

Matrix: Solid

Date Received: 04/13/21 16:27

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U ** *1	50.0		mg/Kg		04/14/21 08:54	04/14/21 14:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/14/21 08:54	04/14/21 14:38	1
Total TPH	<50.0	U	50.0		mg/Kg		04/14/21 08:54	04/14/21 14:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				04/14/21 08:54	04/14/21 14:38	1
o-Terphenyl	101		70 - 130				04/14/21 08:54	04/14/21 14:38	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.7		5.03		mg/Kg			04/15/21 15:53	1

## Client Sample ID: SW-2

## Lab Sample ID: 880-1257-6

Date Collected: 04/12/21 00:00

Matrix: Solid

Date Received: 04/13/21 16:27

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/14/21 10:34	04/14/21 20:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/14/21 10:34	04/14/21 20:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/14/21 10:34	04/14/21 20:05	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/14/21 10:34	04/14/21 20:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/14/21 10:34	04/14/21 20:05	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/14/21 10:34	04/14/21 20:05	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/14/21 10:34	04/14/21 20:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				04/14/21 10:34	04/14/21 20:05	1
1,4-Difluorobenzene (Surr)	97		70 - 130				04/14/21 10:34	04/14/21 20:05	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		04/14/21 08:54	04/14/21 14:59	1
Diesel Range Organics (Over C10-C28)	<50.1	U ** *1	50.1		mg/Kg		04/14/21 08:54	04/14/21 14:59	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/14/21 08:54	04/14/21 14:59	1
Total TPH	<50.1	U	50.1		mg/Kg		04/14/21 08:54	04/14/21 14:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				04/14/21 08:54	04/14/21 14:59	1
o-Terphenyl	106		70 - 130				04/14/21 08:54	04/14/21 14:59	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	57.9		5.05		mg/Kg			04/15/21 16:08	1

Eurofins Xenco, Midland

## Client Sample Results

Client: NT Global  
Project/Site: Zinnia Fed Unit #1 2RP-525

Job ID: 880-1257-1  
SDG: Eddy Co, NM

Client Sample ID: SW-3

Lab Sample ID: 880-1257-7

Date Collected: 04/12/21 00:00

Matrix: Solid

Date Received: 04/13/21 16:27

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/14/21 10:34	04/14/21 20:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/14/21 10:34	04/14/21 20:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/14/21 10:34	04/14/21 20:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/14/21 10:34	04/14/21 20:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/14/21 10:34	04/14/21 20:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/14/21 10:34	04/14/21 20:30	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		04/14/21 10:34	04/14/21 20:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	142	S1+	70 - 130	04/14/21 10:34	04/14/21 20:30	1
1,4-Difluorobenzene (Surr)	107		70 - 130	04/14/21 10:34	04/14/21 20:30	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/14/21 08:54	04/14/21 15:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U ** *1	49.9		mg/Kg		04/14/21 08:54	04/14/21 15:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/14/21 08:54	04/14/21 15:20	1
Total TPH	<49.9	U	49.9		mg/Kg		04/14/21 08:54	04/14/21 15:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	04/14/21 08:54	04/14/21 15:20	1
o-Terphenyl	99		70 - 130	04/14/21 08:54	04/14/21 15:20	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.0		5.02		mg/Kg			04/15/21 16:13	1

Client Sample ID: SW-4

Lab Sample ID: 880-1257-8

Date Collected: 04/12/21 00:00

Matrix: Solid

Date Received: 04/13/21 16:27

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/14/21 10:34	04/14/21 20:56	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/14/21 10:34	04/14/21 20:56	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/14/21 10:34	04/14/21 20:56	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/14/21 10:34	04/14/21 20:56	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/14/21 10:34	04/14/21 20:56	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/14/21 10:34	04/14/21 20:56	1
Total BTEX	<0.00198	U	0.00198		mg/Kg		04/14/21 10:34	04/14/21 20:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	04/14/21 10:34	04/14/21 20:56	1
1,4-Difluorobenzene (Surr)	101		70 - 130	04/14/21 10:34	04/14/21 20:56	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/14/21 08:54	04/14/21 15:42	1

Eurofins Xenco, Midland

## Client Sample Results

Client: NT Global  
Project/Site: Zinnia Fed Unit #1 2RP-525

Job ID: 880-1257-1  
SDG: Eddy Co, NM

## Client Sample ID: SW-4

## Lab Sample ID: 880-1257-8

Date Collected: 04/12/21 00:00

Matrix: Solid

Date Received: 04/13/21 16:27

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U ** *1	49.9		mg/Kg		04/14/21 08:54	04/14/21 15:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/14/21 08:54	04/14/21 15:42	1
Total TPH	<49.9	U	49.9		mg/Kg		04/14/21 08:54	04/14/21 15:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				04/14/21 08:54	04/14/21 15:42	1
o-Terphenyl	112		70 - 130				04/14/21 08:54	04/14/21 15:42	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.1		4.98		mg/Kg			04/15/21 16:18	1

## Client Sample ID: SW-5

## Lab Sample ID: 880-1257-9

Date Collected: 04/12/21 00:00

Matrix: Solid

Date Received: 04/13/21 16:27

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/14/21 10:34	04/14/21 21:21	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/14/21 10:34	04/14/21 21:21	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/14/21 10:34	04/14/21 21:21	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/14/21 10:34	04/14/21 21:21	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/14/21 10:34	04/14/21 21:21	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/14/21 10:34	04/14/21 21:21	1
Total BTEX	<0.00198	U	0.00198		mg/Kg		04/14/21 10:34	04/14/21 21:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130				04/14/21 10:34	04/14/21 21:21	1
1,4-Difluorobenzene (Surr)	108		70 - 130				04/14/21 10:34	04/14/21 21:21	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/14/21 08:54	04/14/21 16:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U ** *1	50.0		mg/Kg		04/14/21 08:54	04/14/21 16:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/14/21 08:54	04/14/21 16:04	1
Total TPH	<50.0	U	50.0		mg/Kg		04/14/21 08:54	04/14/21 16:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				04/14/21 08:54	04/14/21 16:04	1
o-Terphenyl	98		70 - 130				04/14/21 08:54	04/14/21 16:04	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	57.3		4.96		mg/Kg			04/15/21 16:23	1

Eurofins Xenco, Midland

## Client Sample Results

Client: NT Global  
Project/Site: Zinnia Fed Unit #1 2RP-525

Job ID: 880-1257-1  
SDG: Eddy Co, NM

Client Sample ID: SW-6

Lab Sample ID: 880-1257-10

Date Collected: 04/12/21 00:00

Matrix: Solid

Date Received: 04/13/21 16:27

## Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/14/21 10:34	04/14/21 21:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/14/21 10:34	04/14/21 21:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/14/21 10:34	04/14/21 21:47	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/14/21 10:34	04/14/21 21:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/14/21 10:34	04/14/21 21:47	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/14/21 10:34	04/14/21 21:47	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/14/21 10:34	04/14/21 21:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	143	S1+	70 - 130	04/14/21 10:34	04/14/21 21:47	1
1,4-Difluorobenzene (Surr)	109		70 - 130	04/14/21 10:34	04/14/21 21:47	1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/14/21 08:54	04/14/21 16:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U ** *1	49.9		mg/Kg		04/14/21 08:54	04/14/21 16:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/14/21 08:54	04/14/21 16:25	1
Total TPH	<49.9	U	49.9		mg/Kg		04/14/21 08:54	04/14/21 16:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	04/14/21 08:54	04/14/21 16:25	1
o-Terphenyl	98		70 - 130	04/14/21 08:54	04/14/21 16:25	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	67.0		4.97		mg/Kg			04/15/21 16:28	1

Eurofins Xenco, Midland



## Surrogate Summary

Client: NT Global  
Project/Site: Zinnia Fed Unit #1 2RP-525

Job ID: 880-1257-1  
SDG: Eddy Co, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-1257-1	CS-1 (3')	93	115				
880-1257-1 MS	CS-1 (3')	92	109				
880-1257-1 MSD	CS-1 (3')	96	107				
880-1257-2	CS-2 (3')	94	106				
880-1257-3	CS-3 (3')	109	117				
880-1257-4	CS-4 (3')	110	115				
880-1257-5	SW-1	126	91				
880-1257-6	SW-2	117	97				
880-1257-7	SW-3	142 S1+	107				
880-1257-8	SW-4	119	101				
880-1257-9	SW-5	133 S1+	108				
880-1257-10	SW-6	143 S1+	109				
LCS 880-1766/1-A	Lab Control Sample	87	104				
LCSD 880-1766/2-A	Lab Control Sample Dup	86	103				
MB 880-1766/5-A	Method Blank	123	110				
<b>Surrogate Legend</b>							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-1257-1	CS-1 (3')	105	99				
880-1257-1 MS	CS-1 (3')	110	98				
880-1257-1 MSD	CS-1 (3')	129	102				
880-1257-2	CS-2 (3')	105	100				
880-1257-3	CS-3 (3')	103	98				
880-1257-4	CS-4 (3')	105	101				
880-1257-5	SW-1	105	101				
880-1257-6	SW-2	113	106				
880-1257-7	SW-3	103	99				
880-1257-8	SW-4	119	112				
880-1257-9	SW-5	106	98				
880-1257-10	SW-6	105	98				
LCS 880-1765/2-A	Lab Control Sample	110	92				
LCSD 880-1765/3-A	Lab Control Sample Dup	145 S1+	141 S1+				
MB 880-1765/1-A	Method Blank	100	99				
<b>Surrogate Legend</b>							
1CO = 1-Chlorooctane							
OTPH = o-Terphenyl							

Eurofins Xenco, Midland

## QC Sample Results

Client: NT Global  
Project/Site: Zinnia Fed Unit #1 2RP-525

Job ID: 880-1257-1  
SDG: Eddy Co, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-1766/5-A

Matrix: Solid

Analysis Batch: 1767

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1766

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/14/21 08:56	04/14/21 13:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/14/21 08:56	04/14/21 13:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/14/21 08:56	04/14/21 13:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/14/21 08:56	04/14/21 13:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/14/21 08:56	04/14/21 13:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/14/21 08:56	04/14/21 13:09	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/14/21 08:56	04/14/21 13:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	04/14/21 08:56	04/14/21 13:09	1
1,4-Difluorobenzene (Surr)	110		70 - 130	04/14/21 08:56	04/14/21 13:09	1

Lab Sample ID: LCS 880-1766/1-A

Matrix: Solid

Analysis Batch: 1767

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1766

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08492		mg/Kg		85	70 - 130
Toluene	0.100	0.09259		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.08966		mg/Kg		90	70 - 130
m-Xylene & p-Xylene	0.200	0.1808		mg/Kg		90	70 - 130
o-Xylene	0.100	0.08828		mg/Kg		88	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-1766/2-A

Matrix: Solid

Analysis Batch: 1767

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1766

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.09048		mg/Kg		90	70 - 130	6	35
Toluene	0.100	0.1019		mg/Kg		102	70 - 130	10	35
Ethylbenzene	0.100	0.09675		mg/Kg		97	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.1923		mg/Kg		96	70 - 130	6	35
o-Xylene	0.100	0.09779		mg/Kg		98	70 - 130	10	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	86		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-1257-1 MS

Matrix: Solid

Analysis Batch: 1767

Client Sample ID: CS-1 (3')

Prep Type: Total/NA

Prep Batch: 1766

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00198	U	0.0994	0.07325		mg/Kg		72	70 - 130

Eurofins Xenco, Midland

## QC Sample Results

Client: NT Global  
Project/Site: Zinnia Fed Unit #1 2RP-525

Job ID: 880-1257-1  
SDG: Eddy Co, NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-1257-1 MS

Matrix: Solid

Analysis Batch: 1767

Client Sample ID: CS-1 (3')

Prep Type: Total/NA

Prep Batch: 1766

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	<0.00198	U	0.0994	0.08354		mg/Kg		84	70 - 130
Ethylbenzene	<0.00198	U	0.0994	0.07832		mg/Kg		79	70 - 130
m-Xylene & p-Xylene	<0.00397	U	0.199	0.1578		mg/Kg		79	70 - 130
o-Xylene	<0.00198	U	0.0994	0.07877		mg/Kg		79	70 - 130
Surrogate	MS %Recovery	MS Qualifier	MS Limits						
4-Bromofluorobenzene (Surr)	92		70 - 130						
1,4-Difluorobenzene (Surr)	109		70 - 130						

Lab Sample ID: 880-1257-1 MSD

Matrix: Solid

Analysis Batch: 1767

Client Sample ID: CS-1 (3')

Prep Type: Total/NA

Prep Batch: 1766

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.100	0.07638		mg/Kg		75	70 - 130	4	35
Toluene	<0.00198	U	0.100	0.08207		mg/Kg		82	70 - 130	2	35
Ethylbenzene	<0.00198	U	0.100	0.07711		mg/Kg		77	70 - 130	2	35
m-Xylene & p-Xylene	<0.00397	U	0.200	0.1553		mg/Kg		78	70 - 130	2	35
o-Xylene	<0.00198	U	0.100	0.07548		mg/Kg		75	70 - 130	4	35
Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	96		70 - 130								
1,4-Difluorobenzene (Surr)	107		70 - 130								

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-1765/1-A

Matrix: Solid

Analysis Batch: 1773

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1765

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/14/21 08:54	04/14/21 11:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/14/21 08:54	04/14/21 11:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/14/21 08:54	04/14/21 11:26	1
Total TPH	<50.0	U	50.0		mg/Kg		04/14/21 08:54	04/14/21 11:26	1
Surrogate	MB %Recovery	MB Qualifier	MB Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				04/14/21 08:54	04/14/21 11:26	1
o-Terphenyl	99		70 - 130				04/14/21 08:54	04/14/21 11:26	1

Lab Sample ID: LCS 880-1765/2-A

Matrix: Solid

Analysis Batch: 1773

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1765

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1249		mg/Kg		125	70 - 130

Eurofins Xenco, Midland

## QC Sample Results

Client: NT Global  
Project/Site: Zinnia Fed Unit #1 2RP-525

Job ID: 880-1257-1  
SDG: Eddy Co, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-1765/2-A

Matrix: Solid

Analysis Batch: 1773

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1765

			Spike	LCS	LCS				%Rec.		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Diesel Range Organics (Over C10-C28)			1000	1042		mg/Kg		104	70 - 130		
Surrogate	LCS	LCS									
	%Recovery	Qualifier	Limits								
1-Chlorooctane	110		70 - 130								
o-Terphenyl	92		70 - 130								

Lab Sample ID: LCSD 880-1765/3-A

Matrix: Solid

Analysis Batch: 1773

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1765

Top Data: 173										
Analyte			Spike	LCSD	LCSD	Unit	D	%Rec	%Rec.	RPD
			Added	Result	Qualifier			Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1300		mg/Kg		130	70 - 130	4
Diesel Range Organics (Over C10-C28)			1000	1565	*+ *1	mg/Kg		156	70 - 130	40
Bottom Data: 173										
Surrogate	LCSD		Limits							
	%Recovery	Qualifier								
1-Chlorooctane	145	S1+	70 - 130							
o-Terphenyl	141	S1+	70 - 130							

Lab Sample ID: 880-1257-1 MS

Matrix: Solid

Analysis Batch: 1773

Client Sample ID: CS-1 (3')

Prep Type: Total/NA

Prep Batch: 1765

	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1195		mg/Kg		120	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U *+ *1	998	1116		mg/Kg		112	70 - 130		

Lab Sample ID: 880-1257-1 MSD

Matrix: Solid

Analysis Batch: 1773

Client Sample ID: CS-1 (3')

Prep Type: Total/NA

Prep Batch: 1765

Top Data: 173											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1290		mg/Kg		129	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	<49.9	U *+ *1	998	1239		mg/Kg		124	70 - 130	10	20
Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits								
1-Chlorooctane	129		70 - 130								
o-Terphenyl	102		70 - 130								

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## QC Sample Results

Client: NT Global  
Project/Site: Zinnia Fed Unit #1 2RP-525

Job ID: 880-1257-1  
SDG: Eddy Co, NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-1754/1-A

Matrix: Solid

Analysis Batch: 1804

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/15/21 15:08	1

Lab Sample ID: LCS 880-1754/3-A

Matrix: Solid

Analysis Batch: 1804

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	244.1		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-1754/2-A

Matrix: Solid

Analysis Batch: 1804

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	261.1		mg/Kg		104	90 - 110	7	20

Lab Sample ID: 880-1257-1 MS

Matrix: Solid

Analysis Batch: 1804

Client Sample ID: CS-1 (3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	56.8		251	285.2		mg/Kg		91	90 - 110

Lab Sample ID: 880-1257-1 MSD

Matrix: Solid

Analysis Batch: 1804

Client Sample ID: CS-1 (3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	56.8		251	308.3		mg/Kg		100	90 - 110	8	20

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## QC Association Summary

Client: NT Global  
Project/Site: Zinnia Fed Unit #1 2RP-525

Job ID: 880-1257-1  
SDG: Eddy Co, NM

## GC VOA

## Prep Batch: 1766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1257-1	CS-1 (3')	Total/NA	Solid	5035	
880-1257-2	CS-2 (3')	Total/NA	Solid	5035	
880-1257-3	CS-3 (3')	Total/NA	Solid	5035	
880-1257-4	CS-4 (3')	Total/NA	Solid	5035	
MB 880-1766/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1766/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1766/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-1257-1 MS	CS-1 (3')	Total/NA	Solid	5035	
880-1257-1 MSD	CS-1 (3')	Total/NA	Solid	5035	

## Analysis Batch: 1767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1257-1	CS-1 (3')	Total/NA	Solid	8021B	1766
880-1257-2	CS-2 (3')	Total/NA	Solid	8021B	1766
880-1257-3	CS-3 (3')	Total/NA	Solid	8021B	1766
880-1257-4	CS-4 (3')	Total/NA	Solid	8021B	1766
MB 880-1766/5-A	Method Blank	Total/NA	Solid	8021B	1766
LCS 880-1766/1-A	Lab Control Sample	Total/NA	Solid	8021B	1766
LCSD 880-1766/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1766
880-1257-1 MS	CS-1 (3')	Total/NA	Solid	8021B	1766
880-1257-1 MSD	CS-1 (3')	Total/NA	Solid	8021B	1766

## Prep Batch: 1790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1257-5	SW-1	Total/NA	Solid	5035	
880-1257-6	SW-2	Total/NA	Solid	5035	
880-1257-7	SW-3	Total/NA	Solid	5035	
880-1257-8	SW-4	Total/NA	Solid	5035	
880-1257-9	SW-5	Total/NA	Solid	5035	
880-1257-10	SW-6	Total/NA	Solid	5035	

## Analysis Batch: 1791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1257-5	SW-1	Total/NA	Solid	8021B	1790
880-1257-6	SW-2	Total/NA	Solid	8021B	1790
880-1257-7	SW-3	Total/NA	Solid	8021B	1790
880-1257-8	SW-4	Total/NA	Solid	8021B	1790
880-1257-9	SW-5	Total/NA	Solid	8021B	1790
880-1257-10	SW-6	Total/NA	Solid	8021B	1790

## GC Semi VOA

## Prep Batch: 1765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1257-1	CS-1 (3')	Total/NA	Solid	8015NM Prep	
880-1257-2	CS-2 (3')	Total/NA	Solid	8015NM Prep	
880-1257-3	CS-3 (3')	Total/NA	Solid	8015NM Prep	
880-1257-4	CS-4 (3')	Total/NA	Solid	8015NM Prep	
880-1257-5	SW-1	Total/NA	Solid	8015NM Prep	
880-1257-6	SW-2	Total/NA	Solid	8015NM Prep	
880-1257-7	SW-3	Total/NA	Solid	8015NM Prep	

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## QC Association Summary

Client: NT Global  
Project/Site: Zinnia Fed Unit #1 2RP-525

Job ID: 880-1257-1  
SDG: Eddy Co, NM

## GC Semi VOA (Continued)

## Prep Batch: 1765 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1257-8	SW-4	Total/NA	Solid	8015NM Prep	
880-1257-9	SW-5	Total/NA	Solid	8015NM Prep	
880-1257-10	SW-6	Total/NA	Solid	8015NM Prep	
MB 880-1765/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-1765/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-1765/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-1257-1 MS	CS-1 (3')	Total/NA	Solid	8015NM Prep	
880-1257-1 MSD	CS-1 (3')	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 1773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1257-1	CS-1 (3')	Total/NA	Solid	8015B NM	1765
880-1257-2	CS-2 (3')	Total/NA	Solid	8015B NM	1765
880-1257-3	CS-3 (3')	Total/NA	Solid	8015B NM	1765
880-1257-4	CS-4 (3')	Total/NA	Solid	8015B NM	1765
880-1257-5	SW-1	Total/NA	Solid	8015B NM	1765
880-1257-6	SW-2	Total/NA	Solid	8015B NM	1765
880-1257-7	SW-3	Total/NA	Solid	8015B NM	1765
880-1257-8	SW-4	Total/NA	Solid	8015B NM	1765
880-1257-9	SW-5	Total/NA	Solid	8015B NM	1765
880-1257-10	SW-6	Total/NA	Solid	8015B NM	1765
MB 880-1765/1-A	Method Blank	Total/NA	Solid	8015B NM	1765
LCS 880-1765/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	1765
LCSD 880-1765/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	1765
880-1257-1 MS	CS-1 (3')	Total/NA	Solid	8015B NM	1765
880-1257-1 MSD	CS-1 (3')	Total/NA	Solid	8015B NM	1765

## HPLC/IC

## Leach Batch: 1754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1257-1	CS-1 (3')	Soluble	Solid	DI Leach	
880-1257-2	CS-2 (3')	Soluble	Solid	DI Leach	
880-1257-3	CS-3 (3')	Soluble	Solid	DI Leach	
880-1257-4	CS-4 (3')	Soluble	Solid	DI Leach	
880-1257-5	SW-1	Soluble	Solid	DI Leach	
880-1257-6	SW-2	Soluble	Solid	DI Leach	
880-1257-7	SW-3	Soluble	Solid	DI Leach	
880-1257-8	SW-4	Soluble	Solid	DI Leach	
880-1257-9	SW-5	Soluble	Solid	DI Leach	
880-1257-10	SW-6	Soluble	Solid	DI Leach	
MB 880-1754/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-1754/3-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-1754/2-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-1257-1 MS	CS-1 (3')	Soluble	Solid	DI Leach	
880-1257-1 MSD	CS-1 (3')	Soluble	Solid	DI Leach	

## Analysis Batch: 1804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1257-1	CS-1 (3')	Soluble	Solid	300.0	1754
880-1257-2	CS-2 (3')	Soluble	Solid	300.0	1754

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## QC Association Summary

Client: NT Global  
Project/Site: Zinnia Fed Unit #1 2RP-525

Job ID: 880-1257-1  
SDG: Eddy Co, NM

## HPLC/IC (Continued)

## Analysis Batch: 1804 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1257-3	CS-3 (3')	Soluble	Solid	300.0	1754
880-1257-4	CS-4 (3')	Soluble	Solid	300.0	1754
880-1257-5	SW-1	Soluble	Solid	300.0	1754
880-1257-6	SW-2	Soluble	Solid	300.0	1754
880-1257-7	SW-3	Soluble	Solid	300.0	1754
880-1257-8	SW-4	Soluble	Solid	300.0	1754
880-1257-9	SW-5	Soluble	Solid	300.0	1754
880-1257-10	SW-6	Soluble	Solid	300.0	1754
MB 880-1754/1-A	Method Blank	Soluble	Solid	300.0	1754
LCS 880-1754/3-A	Lab Control Sample	Soluble	Solid	300.0	1754
LCSD 880-1754/2-A	Lab Control Sample Dup	Soluble	Solid	300.0	1754
880-1257-1 MS	CS-1 (3')	Soluble	Solid	300.0	1754
880-1257-1 MSD	CS-1 (3')	Soluble	Solid	300.0	1754

## Lab Chronicle

Client: NT Global  
Project/Site: Zinnia Fed Unit #1 2RP-525

Job ID: 880-1257-1  
SDG: Eddy Co, NM

## Client Sample ID: CS-1 (3')

Lab Sample ID: 880-1257-1

Date Collected: 04/12/21 00:00

Matrix: Solid

Date Received: 04/13/21 16:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1766	04/14/21 08:56	KL	XM
Total/NA	Analysis	8021B		1	1767	04/14/21 13:30	KL	XM
Total/NA	Prep	8015NM Prep			1765	04/14/21 08:54	DM	XM
Total/NA	Analysis	8015B NM		1	1773	04/14/21 12:30	AJ	XM
Soluble	Leach	DI Leach			1754	04/14/21 08:27	CH	XM
Soluble	Analysis	300.0		1	1804	04/15/21 15:23	SC	XM

## Client Sample ID: CS-2 (3')

Lab Sample ID: 880-1257-2

Date Collected: 04/12/21 00:00

Matrix: Solid

Date Received: 04/13/21 16:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1766	04/14/21 08:56	KL	XM
Total/NA	Analysis	8021B		1	1767	04/14/21 13:51	KL	XM
Total/NA	Prep	8015NM Prep			1765	04/14/21 08:54	DM	XM
Total/NA	Analysis	8015B NM		1	1773	04/14/21 13:34	AJ	XM
Soluble	Leach	DI Leach			1754	04/14/21 08:27	CH	XM
Soluble	Analysis	300.0		1	1804	04/15/21 15:38	SC	XM

## Client Sample ID: CS-3 (3')

Lab Sample ID: 880-1257-3

Date Collected: 04/12/21 00:00

Matrix: Solid

Date Received: 04/13/21 16:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1766	04/14/21 08:56	KL	XM
Total/NA	Analysis	8021B		1	1767	04/14/21 14:12	KL	XM
Total/NA	Prep	8015NM Prep			1765	04/14/21 08:54	DM	XM
Total/NA	Analysis	8015B NM		1	1773	04/14/21 13:55	AJ	XM
Soluble	Leach	DI Leach			1754	04/14/21 08:27	CH	XM
Soluble	Analysis	300.0		1	1804	04/15/21 15:43	SC	XM

## Client Sample ID: CS-4 (3')

Lab Sample ID: 880-1257-4

Date Collected: 04/12/21 00:00

Matrix: Solid

Date Received: 04/13/21 16:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1766	04/14/21 08:56	KL	XM
Total/NA	Analysis	8021B		1	1767	04/14/21 14:33	KL	XM
Total/NA	Prep	8015NM Prep			1765	04/14/21 08:54	DM	XM
Total/NA	Analysis	8015B NM		1	1773	04/14/21 14:17	AJ	XM
Soluble	Leach	DI Leach			1754	04/14/21 08:27	CH	XM
Soluble	Analysis	300.0		1	1804	04/15/21 15:48	SC	XM

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## Lab Chronicle

Client: NT Global  
Project/Site: Zinnia Fed Unit #1 2RP-525

Job ID: 880-1257-1  
SDG: Eddy Co, NM

## Client Sample ID: SW-1

## Lab Sample ID: 880-1257-5

Date Collected: 04/12/21 00:00

Matrix: Solid

Date Received: 04/13/21 16:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1790	04/14/21 10:34	MR	XM
Total/NA	Analysis	8021B		1	1791	04/14/21 19:39	MR	XM
Total/NA	Prep	8015NM Prep			1765	04/14/21 08:54	DM	XM
Total/NA	Analysis	8015B NM		1	1773	04/14/21 14:38	AJ	XM
Soluble	Leach	DI Leach			1754	04/14/21 08:27	CH	XM
Soluble	Analysis	300.0		1	1804	04/15/21 15:53	SC	XM

## Client Sample ID: SW-2

## Lab Sample ID: 880-1257-6

Date Collected: 04/12/21 00:00

Matrix: Solid

Date Received: 04/13/21 16:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1790	04/14/21 10:34	MR	XM
Total/NA	Analysis	8021B		1	1791	04/14/21 20:05	MR	XM
Total/NA	Prep	8015NM Prep			1765	04/14/21 08:54	DM	XM
Total/NA	Analysis	8015B NM		1	1773	04/14/21 14:59	AJ	XM
Soluble	Leach	DI Leach			1754	04/14/21 08:27	CH	XM
Soluble	Analysis	300.0		1	1804	04/15/21 16:08	SC	XM

## Client Sample ID: SW-3

## Lab Sample ID: 880-1257-7

Date Collected: 04/12/21 00:00

Matrix: Solid

Date Received: 04/13/21 16:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1790	04/14/21 10:34	MR	XM
Total/NA	Analysis	8021B		1	1791	04/14/21 20:30	MR	XM
Total/NA	Prep	8015NM Prep			1765	04/14/21 08:54	DM	XM
Total/NA	Analysis	8015B NM		1	1773	04/14/21 15:20	AJ	XM
Soluble	Leach	DI Leach			1754	04/14/21 08:27	CH	XM
Soluble	Analysis	300.0		1	1804	04/15/21 16:13	SC	XM

## Client Sample ID: SW-4

## Lab Sample ID: 880-1257-8

Date Collected: 04/12/21 00:00

Matrix: Solid

Date Received: 04/13/21 16:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1790	04/14/21 10:34	MR	XM
Total/NA	Analysis	8021B		1	1791	04/14/21 20:56	MR	XM
Total/NA	Prep	8015NM Prep			1765	04/14/21 08:54	DM	XM
Total/NA	Analysis	8015B NM		1	1773	04/14/21 15:42	AJ	XM
Soluble	Leach	DI Leach			1754	04/14/21 08:27	CH	XM
Soluble	Analysis	300.0		1	1804	04/15/21 16:18	SC	XM

Eurofins Xenco, Midland

## Lab Chronicle

Client: NT Global  
Project/Site: Zinnia Fed Unit #1 2RP-525

Job ID: 880-1257-1  
SDG: Eddy Co, NM

Client Sample ID: SW-5

Lab Sample ID: 880-1257-9

Date Collected: 04/12/21 00:00

Matrix: Solid

Date Received: 04/13/21 16:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1790	04/14/21 10:34	MR	XM
Total/NA	Analysis	8021B		1	1791	04/14/21 21:21	MR	XM
Total/NA	Prep	8015NM Prep			1765	04/14/21 08:54	DM	XM
Total/NA	Analysis	8015B NM		1	1773	04/14/21 16:04	AJ	XM
Soluble	Leach	DI Leach			1754	04/14/21 08:27	CH	XM
Soluble	Analysis	300.0		1	1804	04/15/21 16:23	SC	XM

Client Sample ID: SW-6

Lab Sample ID: 880-1257-10

Date Collected: 04/12/21 00:00

Matrix: Solid

Date Received: 04/13/21 16:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1790	04/14/21 10:34	MR	XM
Total/NA	Analysis	8021B		1	1791	04/14/21 21:47	MR	XM
Total/NA	Prep	8015NM Prep			1765	04/14/21 08:54	DM	XM
Total/NA	Analysis	8015B NM		1	1773	04/14/21 16:25	AJ	XM
Soluble	Leach	DI Leach			1754	04/14/21 08:27	CH	XM
Soluble	Analysis	300.0		1	1804	04/15/21 16:28	SC	XM

## Laboratory References:

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

Accreditation/Certification Summary

Client: NT Global  
Project/Site: Zinnia Fed Unit #1 2RP-525

Job ID: 880-1257-1  
SDG: Eddy Co, NM

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

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

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

1
2
3
4
5
6
7
8
9
10
11
12
13
14

## Method Summary

Client: NT Global  
Project/Site: Zinnia Fed Unit #1 2RP-525

Job ID: 880-1257-1  
SDG: Eddy Co, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XM
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XM
300.0	Anions, Ion Chromatography	MCAWW	XM
5035	Closed System Purge and Trap	SW846	XM
8015NM Prep	Microextraction	SW846	XM
DI Leach	Deionized Water Leaching Procedure	ASTM	XM

**Protocol References:**

ASTM = ASTM International

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

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

**Laboratory References:**

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

Eurofins Xenco, Midland



## Sample Summary

Client: NT Global  
Project/Site: Zinnia Fed Unit #1 2RP-525

Job ID: 880-1257-1  
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-1257-1	CS-1 (3')	Solid	04/12/21 00:00	04/13/21 16:27	
880-1257-2	CS-2 (3')	Solid	04/12/21 00:00	04/13/21 16:27	
880-1257-3	CS-3 (3')	Solid	04/12/21 00:00	04/13/21 16:27	
880-1257-4	CS-4 (3')	Solid	04/12/21 00:00	04/13/21 16:27	
880-1257-5	SW-1	Solid	04/12/21 00:00	04/13/21 16:27	
880-1257-6	SW-2	Solid	04/12/21 00:00	04/13/21 16:27	
880-1257-7	SW-3	Solid	04/12/21 00:00	04/13/21 16:27	
880-1257-8	SW-4	Solid	04/12/21 00:00	04/13/21 16:27	
880-1257-9	SW-5	Solid	04/12/21 00:00	04/13/21 16:27	
880-1257-10	SW-6	Solid	04/12/21 00:00	04/13/21 16:27	



880-1257 Chain of Custody

880-1257

Page 1 of 1

Project Manager	Mike Carmona	Bill to: (if different)	James Kennedy
Company Name	NTG Environmental	Company Name	EOG Resources
Address	701 Tradewinds BLVD	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79706	City, State ZIP	Midland, Tx 79706
Phone	432-813-0263	Email	James_Kennedy@eogresources.com

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

Project Name:	214051	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Due Date:	48HR	Pres. Code	
Project Number	Zinnia Fed Unit #1 2RP-525						
Project Location	Eddy Co. NM						
Sampler's Name	CRM						
PO #:							
SAMPLE RECEIPT	Temp Blank	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID	128	
Received In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				Correction Factor	405	
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				Temperature Reading	40	
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				Corrected Temperature:	4.5	
Total Containers:							

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters	ANALYSIS REQUEST	Preservative Codes	Sample Comments
CS-1 (3)	4/12/2021		X		C	1	X X X		None NO	DI Water H <sub>2</sub> O
CS-2 (3)	4/12/2021		X		C	1	X X X		Cool Cool	MeOH Me
CS-3 (3)	4/12/2021		X		C	1	X X X		HCL HC	HNO <sub>3</sub> HN
CS-4 (3)	4/12/2021		X		C	1	X X X		H <sub>2</sub> SO <sub>4</sub> H <sub>2</sub>	NaOH Na
SW-1	4/12/2021		X		C	1	X X X		H <sub>3</sub> PO <sub>4</sub> HP	
SW-2	4/12/2021		X		C	1	X X X		NaHSO <sub>4</sub> NABIS	
SW-3	4/12/2021		X		C	1	X X X		Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> NaSO <sub>3</sub>	
SW-4	4/12/2021		X		C	1	X X X		Zn Acetate+NaOH Zn	
SW-5	4/12/2021		X		C	1	X X X		NaOH+Ascorbic Acid SAPC	
SW-6	4/12/2021		X		C	1	X X X			

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$35.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
<i>James Kennedy</i>	<i>James Kennedy</i>	4/14/21 1627			
5					6

## Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-1257-1

SDG Number: Eddy Co, NM

Login Number: 1257

List Number: 1

Creator: Teel, Brianna

List Source: Eurofins Midland

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

**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 54742

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 54742
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bbillings	None	11/16/2021