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

State of New Mexico
Energy Minerals and Natural Resources Department

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	NAPP2233940190
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party BC&D Operating	OGRID 25670
Contact Name Donnie Hill	Contact Telephone (575) 390-7626
Contact email dhill@wellconsultant.com	Incident # *(assigned by OCD)* nAPP2233940190
Contact mailing address P.O Box 302 Hobbs, New Mexico 88241	

Location of Release Source

Latitude 32.12325 Longitude -103.30435
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Caza Sioux 36 Pipeline in Section 18 25S 36E	Site Type Pipeline
Date Release Discovered 12/4/2022	API# *(if applicable)* NA

Unit Letter	Section	Township	Range	County
N	18	25S	36E	Lea

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☑ Private (*Name:* Intrepid Potash - New Mexico)

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☑ Produced Water	Volume Released (bbls) 30	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☑ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release Third party unrelated to BC&D, and not working for BC&D damaged the pipeline with heavy equipment.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2233940190
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☑ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? Greater than 25 bbl produced water released.

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Donnie Hill notified Kerry Fortner of the OCD via phone10;00am 12/5/2022.

Initial Response

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

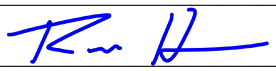
- ☑ The source of the release has been stopped.
- ☑ The impacted area has been secured to protect human health and the environment.
- ☑ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☑ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Richard HIll Title: SVP Engineering

Signature:  Date: 12/16/2022

email: rhill@wellconsultant.com Telephone: (405) 837-8147

OCD Only

Received by: Jocelyn Harimon Date: 12/19/2022

BC&D Operating, Inc.
P.O. Box 302 Hobbs, NM 88241
(405) 837-8147

December 16, 2022

Narrative of Actions:

After discovery on 12/4/2022 the area was secured with berms. The 4" SDR7 waterline was inactive at the time of the release and all valves were closed limiting the release to 30 bbls. Sport Environmental Services of Midland TX was contracted to delineate horizontal and vertical extent, attain soil samples and photograph for documentation. Photos via Drone technology was used to capture the aerial extent. Proceeding the environmental evaluation, all affected soil was removed and placed on a 40-mil liner awaiting transport to a land farm. An estimated 65 yards of contaminated soil was removed. Additional soil samples will be taken early next week to verify all affected soil has been removed from affected area.

Calculation of Release Volume:

Volume of the 4" pipeline from terminus to where the release occurred was an estimated 30 bbls calculated from the pipeline capacity. The release occurred on the pipeline traversing an up dip gradient to the terminus point located 3,297' east. The line was shut-in with 0 psi at the time the damage occurred. The estimated volume is assuming the pipeline completely vacated itself of water from the terminus to the point of release.

4" SDR-7
Pipeline
Sec. 18 T25S R36E

Section	OD	Drift	From	To	Tapered String	Weight (lbs)	Grade	Bbls/Lin. Ft	Volume (bbls)
Pipeline	4	3.194	0	3297	No	3.4	SDR-7	0.0091	30.0027

PERFORMANCE PIPE
A DIVISION OF CHEVRON PHILLIPS CHEMICAL COMPANY LP

PE 4710 (PE3408)
Energy - DriscoPlex® 6400 Series
PE4710 IPS Pipe Data

Pipe weights are calculated in accordance with PPI TR-7. Average inside diameter calculated using nominal OD and minimum wall plus 6% for use in estimating fluid flows. Actual ID will vary. When designing components to fit the pipe ID, refer to pipe dimensions and tolerances in applicable pipe specifications. Pressure Ratings are for water at 73.4° F. For other fluid and service temperature, ratings may differ. Refer to Engineering Manual for Chemical and Environmental Considerations.

Pressure Rating		400 psi DR 6.0			335 psi DR 7.0			250 psi DR 9.0			200 psi DR 11.0			160 psi DR 13.5			125 psi DR 17			
IPS Pipe Size	Nom OD (in)	Min Wall (in)	Avg ID (in)	Wgt (lbs/ft)	Min Wall (in)	Avg ID (in)	Wgt (lbs/ft)	Min Wall (in)	Avg ID (in)	Wgt (lbs/ft)	Min Wall (in)	Avg ID (in)	Wgt (lbs/ft)	Min Wall (in)	Avg ID (in)	Wgt (lbs/ft)	Min Wall (in)	Avg ID (in)	Wgt (lbs/ft)	IPS Pipe Size
1"	1.315	0.219	0.851	0.33	0.180	0.933	0.29													
1 1/4"	1.660	0.277	1.073	0.52	0.227	1.179	0.46	0.184	1.270	0.37	0.151	1.340	0.31	0.123	1.399	0.26				1 1/4"
1 1/2"	1.900	0.317	1.228	0.69	0.260	1.349	0.61	0.211	1.453	0.49	0.173	1.533	0.41	0.141	1.601	0.34				1 1/2"
2"	2.375	0.396	1.535	1.07	0.325	1.686	0.95	0.264	1.815	0.77	0.216	1.917	0.64	0.176	2.002	0.53	0.140	2.078	0.43	2"
3"	3.500	0.583	2.264	2.33	0.479	2.485	2.06	0.389	2.675	1.66	0.318	2.826	1.39	0.259	2.951	1.16	0.206	3.063	0.94	3"
4"	4.500	0.750	2.910	3.85	0.616	3.194	3.40	0.500	3.440	2.75	0.409	3.633	2.31	0.333	3.794	1.92	0.265	3.938	1.55	4"
6"	6.625	1.104	4.285	8.35	0.908	4.700	7.37	0.736	5.065	5.96	0.602	5.349	5.00	0.491	5.584	4.15	0.390	5.798	3.36	6"
8"	8.625	1.438	5.576	14.15	1.182	6.119	12.50	0.958	6.594	10.11	0.784	6.963	8.47	0.639	7.270	7.04	0.507	7.550	5.69	8"
10"	10.750	1.792	6.951	21.98	1.473	7.627	19.42	1.194	8.219	15.70	0.977	8.679	13.16	0.796	9.062	10.93	0.632	9.410	8.83	10"
12"	12.750	2.125	8.245	30.92	1.747	9.046	27.31	1.417	9.746	22.08	1.159	10.293	18.51	0.944	10.749	15.38	0.750	11.160	12.43	12"
14"	14.000				1.918	9.934	32.93	1.556	10.701	26.63	1.273	11.301	22.32	1.037	11.802	18.54	0.824	12.253	14.98	14"
16"	16.000				2.192	11.353	43.01	1.778	12.231	34.78	1.455	12.915	29.15	1.185	13.488	24.22	0.941	14.005	19.57	16"
18"	18.000				2.466	12.772	54.43	2.000	13.760	44.02	1.636	14.532	36.89	1.333	15.174	30.65	1.059	15.755	24.77	18"
20"	20.000				2.740	14.191	67.20	2.222	15.289	54.34	1.818	16.146	45.54	1.481	16.860	37.84	1.176	17.507	30.58	20"
22"	22.000				3.014	15.610	81.32	2.444	16.819	65.75	2.000	17.760	55.10	1.630	18.544	45.79	1.294	19.257	37.00	22"
24"	24.000				3.288	17.029	96.77	2.667	18.346	78.25	2.182	19.374	65.58	1.778	20.231	54.49	1.412	21.007	44.03	24"
26"	26.000							2.889	19.875	91.84	2.364	20.988	76.96	1.926	21.917	63.95	1.529	22.759	51.67	26"
28"	28.000							3.111	21.405	106.51	2.545	22.605	89.26	2.074	23.603	74.17	1.647	24.508	59.93	28"
30"	30.000							3.333	22.934	122.27	2.727	24.219	102.47	2.222	25.289	85.14	1.765	26.258	68.80	30"
32"	32.000										2.909	25.833	116.58	2.370	26.976	96.87	1.882	28.010	78.28	32"
34"	34.000										3.091	27.447	131.61	2.519	28.660	109.36	2.000	29.760	88.37	34"
36"	36.000										3.273	29.061	147.55	2.667	30.346	122.60	2.118	31.510	99.07	36"

Pressure ratings are calculated using 0.63 design factor for HDS at 73°F as listed in PPI TR-4 for PE4710 materials. Temperature, chemical and environmental use considerations may require use of additional design factors.

Other Sizes and Dimensions Available

Bulletin: PP 155-4710 (PE 3408)

Page 1 of 1

April 2009 supersedes all previous publications

www.performancepipe.com

Performance Pipe, a division of
Chevron Phillips Chemical Company LP

PO Box 269006
Plano, TX 75026-9006

Phone: 800-527-0662
Fax: 972-599-7348

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Dudley T Womble
Sport Environmental Services LLC
502 N Big Spring St
Midland, Texas 79701

Generated 12/15/2022 1:52:49 PM

JOB DESCRIPTION

BC&D-Pipeline Produce Water Release

JOB NUMBER

880-22425-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

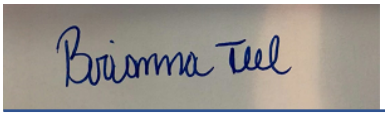
my EOL

Eurofins Midland

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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12/15/2022 1:52:49 PM

Authorized for release by
Brianna Teel, Project Manager
Brianna.Teel@et.eurofinsus.com
(432)704-5440

Client: Sport Environmental Services LLC
Project/Site: BC&D-Pipeline Produce Water Release

Laboratory Job ID: 880-22425-1

Table of Contents

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Definitions/Glossary

Client: Sport Environmental Services LLC Job ID: 880-22425-1
Project/Site: BC&D-Pipeline Produce Water Release

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
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: Sport Environmental Services LLC Job ID: 880-22425-1
Project/Site: BC&D-Pipeline Produce Water Release

Job ID: 880-22425-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-22425-1

Receipt
The samples were received on 12/7/2022 10:25 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 3.6°C

HPLC/IC
Method 300_ORGFM_28D: The method blank for preparation batch 880-41355, 880-41355 and 880-41355 and analytical batch 880-41735 contained chloride above the method detection limit (MDL) Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

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

Client Sample Results

Client: Sport Environmental Services LLC
Job ID: 880-22425-1
Project/Site: BC&D-Pipeline Produce Water Release

Client Sample ID: SP1-S001
Lab Sample ID: 880-22425-1
Date Collected: 12/06/22 11:50
Matrix: Solid
Date Received: 12/07/22 10:25
Sample Depth: Surface - 4"

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4030	B	50.3	3.97	mg/Kg			12/13/22 21:27	10

Client Sample ID: SP2-S001
Lab Sample ID: 880-22425-2
Date Collected: 12/06/22 11:52
Matrix: Solid
Date Received: 12/07/22 10:25
Sample Depth: Surface - 4"

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3820	B	25.1	1.98	mg/Kg			12/13/22 21:49	5

Client Sample ID: SP3-S001
Lab Sample ID: 880-22425-3
Date Collected: 12/06/22 11:55
Matrix: Solid
Date Received: 12/07/22 10:25
Sample Depth: Surface - 4"

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4840	B	50.1	3.96	mg/Kg			12/13/22 21:56	10

Client Sample ID: SP4-S001
Lab Sample ID: 880-22425-4
Date Collected: 12/06/22 11:58
Matrix: Solid
Date Received: 12/07/22 10:25
Sample Depth: Surface - 4"

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5550	B	50.2	3.97	mg/Kg			12/13/22 22:03	10

Client Sample ID: SP5-S001
Lab Sample ID: 880-22425-5
Date Collected: 12/06/22 12:00
Matrix: Solid
Date Received: 12/07/22 10:25
Sample Depth: Surface - 4"

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3840	B	25.0	1.98	mg/Kg			12/13/22 22:10	5

Client Sample ID: SP6-S001
Lab Sample ID: 880-22425-6
Date Collected: 12/06/22 12:02
Matrix: Solid
Date Received: 12/07/22 10:25
Sample Depth: Surface - 4"

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3830	B	49.7	3.93	mg/Kg			12/13/22 22:17	10

Client Sample Results

Client: Sport Environmental Services LLC Job ID: 880-22425-1
Project/Site: BC&D-Pipeline Produce Water Release

Client Sample ID: SP7-S001 Lab Sample ID: 880-22425-7

Date Collected: 12/06/22 12:05 Matrix: Solid
Date Received: 12/07/22 10:25
Sample Depth: Surface - 4"

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	26.0	B	4.99	0.394	mg/Kg			12/13/22 22:25	1

Client Sample ID: SP8-S001 Lab Sample ID: 880-22425-8

Date Collected: 12/06/22 12:08 Matrix: Solid
Date Received: 12/07/22 10:25
Sample Depth: Surface - 4"

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4750	B	50.3	3.97	mg/Kg			12/13/22 22:32	10

Client Sample ID: SP8-S001 Lab Sample ID: 880-22425-9

Date Collected: 12/06/22 12:10 Matrix: Solid
Date Received: 12/07/22 10:25
Sample Depth: 8" - 10'

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4130		49.9	3.94	mg/Kg			12/14/22 21:39	10

Client Sample ID: SP9-S001 Lab Sample ID: 880-22425-10

Date Collected: 12/06/22 12:15 Matrix: Solid
Date Received: 12/07/22 10:25
Sample Depth: Surface - 4"

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.8		4.96	0.392	mg/Kg			12/14/22 22:01	1

Client Sample ID: SP10-S001 Lab Sample ID: 880-22425-11

Date Collected: 12/06/22 12:20 Matrix: Solid
Date Received: 12/07/22 10:25
Sample Depth: Surface - 4"

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	574		5.02	0.397	mg/Kg			12/14/22 22:08	1

Client Sample ID: SP11-S001 Lab Sample ID: 880-22425-12

Date Collected: 12/06/22 12:25 Matrix: Solid
Date Received: 12/07/22 10:25
Sample Depth: Surface - 4"

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.7		5.03	0.397	mg/Kg			12/14/22 22:15	1

Client Sample Results

Client: Sport Environmental Services LLC Job ID: 880-22425-1
Project/Site: BC&D-Pipeline Produce Water Release

Client Sample ID: HS1-S001 — Lab Sample ID: 880-22425-13

Date Collected: 12/06/22 11:20 Matrix: Solid
Date Received: 12/07/22 10:25
Sample Depth: Surface - 4"

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.7		4.98	0.393	mg/Kg			12/14/22 22:23	1

Client Sample ID: HS2-S001 — Lab Sample ID: 880-22425-14

Date Collected: 12/06/22 11:22 Matrix: Solid
Date Received: 12/07/22 10:25
Sample Depth: Surface - 2"

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.1		5.02	0.397	mg/Kg			12/14/22 22:44	1

Client Sample ID: HS3-S001 — Lab Sample ID: 880-22425-15

Date Collected: 12/06/22 11:25 Matrix: Solid
Date Received: 12/07/22 10:25
Sample Depth: Surface - 2"

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.3		5.04	0.398	mg/Kg			12/14/22 22:52	1

Client Sample ID: HS4-S001 — Lab Sample ID: 880-22425-16

Date Collected: 12/06/22 11:27 Matrix: Solid
Date Received: 12/07/22 10:25
Sample Depth: Surface - 2"

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.1		4.97	0.393	mg/Kg			12/14/22 22:59	1

Client Sample ID: HS5-S001 — Lab Sample ID: 880-22425-17

Date Collected: 12/06/22 11:30 Matrix: Solid
Date Received: 12/07/22 10:25
Sample Depth: Surface - 2"

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.1		5.01	0.396	mg/Kg			12/14/22 23:06	1

Client Sample ID: HS6-S001 — Lab Sample ID: 880-22425-18

Date Collected: 12/06/22 11:35 Matrix: Solid
Date Received: 12/07/22 10:25
Sample Depth: Surface - 2"

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.9		4.99	0.394	mg/Kg			12/14/22 23:13	1

Client Sample Results

Client: Sport Environmental Services LLC Job ID: 880-22425-1
Project/Site: BC&D-Pipeline Produce Water Release

Client Sample ID: HS7-S001 Lab Sample ID: 880-22425-19

Date Collected: 12/06/22 11:37 **Matrix: Solid**
Date Received: 12/07/22 10:25
Sample Depth: Surface - 2"

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.0		5.04	0.398	mg/Kg			12/14/22 23:20	1

Client Sample ID: HS8-S001 Lab Sample ID: 880-22425-20

Date Collected: 12/06/22 11:40 **Matrix: Solid**
Date Received: 12/07/22 10:25
Sample Depth: Surface - 2"

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.63		5.02	0.397	mg/Kg			12/14/22 23:42	1

Client Sample ID: HS9-S001 Lab Sample ID: 880-22425-21

Date Collected: 12/06/22 11:43 **Matrix: Solid**
Date Received: 12/07/22 10:25
Sample Depth: Surface - 2"

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.8		5.04	0.398	mg/Kg			12/14/22 23:49	1

Client Sample ID: HS10-S001 Lab Sample ID: 880-22425-22

Date Collected: 12/06/22 11:45 **Matrix: Solid**
Date Received: 12/07/22 10:25
Sample Depth: Surface - 2"

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.5		5.00	0.395	mg/Kg			12/15/22 00:11	1

QC Sample Results

Client: Sport Environmental Services LLC Job ID: 880-22425-1
Project/Site: BC&D-Pipeline Produce Water Release

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-41355/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 41735

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.804	J	5.00	0.395	mg/Kg			12/13/22 18:55	1

Lab Sample ID: LCS 880-41355/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 41735

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	244.4		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-41355/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 41735

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	244.8		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-22328-A-11-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 41735

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	87.5	B	248	330.7		mg/Kg		98	90 - 110

Lab Sample ID: 880-22328-A-11-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 41735

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	87.5	B	248	344.0		mg/Kg		104	90 - 110	4	20

Lab Sample ID: MB 880-41367/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 41739

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.395	U	5.00	0.395	mg/Kg			12/14/22 21:17	1

Lab Sample ID: LCS 880-41367/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 41739

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	239.2		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-41367/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 41739

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	246.9		mg/Kg		99	90 - 110	3	20

QC Sample Results

Client: Sport Environmental Services LLC Job ID: 880-22425-1
Project/Site: BC&D-Pipeline Produce Water Release

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-22425-9 MS **Client Sample ID: SP8-S001**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 41739

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	4130		2500	6577		mg/Kg		98	90 - 110		

Lab Sample ID: 880-22425-9 MSD **Client Sample ID: SP8-S001**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 41739

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	4130		2500	6420		mg/Kg		92	90 - 110	2	20

Lab Sample ID: 880-22425-19 MS **Client Sample ID: HS7-S001**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 41739

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	13.0		252	262.7		mg/Kg		99	90 - 110		

Lab Sample ID: 880-22425-19 MSD **Client Sample ID: HS7-S001**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 41739

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	13.0		252	257.9		mg/Kg		97	90 - 110	2	20

QC Association Summary

Client: Sport Environmental Services LLC Job ID: 880-22425-1
Project/Site: BC&D-Pipeline Produce Water Release

HPLC/IC

Leach Batch: 41355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22425-1	SP1-S001	Soluble	Solid	DI Leach	
880-22425-2	SP2-S001	Soluble	Solid	DI Leach	
880-22425-3	SP3-S001	Soluble	Solid	DI Leach	
880-22425-4	SP4-S001	Soluble	Solid	DI Leach	
880-22425-5	SP5-S001	Soluble	Solid	DI Leach	
880-22425-6	SP6-S001	Soluble	Solid	DI Leach	
880-22425-7	SP7-S001	Soluble	Solid	DI Leach	
880-22425-8	SP8-S001	Soluble	Solid	DI Leach	
MB 880-41355/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-41355/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-41355/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-22328-A-11-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-22328-A-11-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 41367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22425-9	SP8-S001	Soluble	Solid	DI Leach	
880-22425-10	SP9-S001	Soluble	Solid	DI Leach	
880-22425-11	SP10-S001	Soluble	Solid	DI Leach	
880-22425-12	SP11-S001	Soluble	Solid	DI Leach	
880-22425-13	HS1-S001	Soluble	Solid	DI Leach	
880-22425-14	HS2-S001	Soluble	Solid	DI Leach	
880-22425-15	HS3-S001	Soluble	Solid	DI Leach	
880-22425-16	HS4-S001	Soluble	Solid	DI Leach	
880-22425-17	HS5-S001	Soluble	Solid	DI Leach	
880-22425-18	HS6-S001	Soluble	Solid	DI Leach	
880-22425-19	HS7-S001	Soluble	Solid	DI Leach	
880-22425-20	HS8-S001	Soluble	Solid	DI Leach	
880-22425-21	HS9-S001	Soluble	Solid	DI Leach	
880-22425-22	HS10-S001	Soluble	Solid	DI Leach	
MB 880-41367/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-41367/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-41367/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-22425-9 MS	SP8-S001	Soluble	Solid	DI Leach	
880-22425-9 MSD	SP8-S001	Soluble	Solid	DI Leach	
880-22425-19 MS	HS7-S001	Soluble	Solid	DI Leach	
880-22425-19 MSD	HS7-S001	Soluble	Solid	DI Leach	

Analysis Batch: 41735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22425-1	SP1-S001	Soluble	Solid	300.0	41355
880-22425-2	SP2-S001	Soluble	Solid	300.0	41355
880-22425-3	SP3-S001	Soluble	Solid	300.0	41355
880-22425-4	SP4-S001	Soluble	Solid	300.0	41355
880-22425-5	SP5-S001	Soluble	Solid	300.0	41355
880-22425-6	SP6-S001	Soluble	Solid	300.0	41355
880-22425-7	SP7-S001	Soluble	Solid	300.0	41355
880-22425-8	SP8-S001	Soluble	Solid	300.0	41355
MB 880-41355/1-A	Method Blank	Soluble	Solid	300.0	41355
LCS 880-41355/2-A	Lab Control Sample	Soluble	Solid	300.0	41355
LCSD 880-41355/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	41355

QC Association Summary

Client: Sport Environmental Services LLC Job ID: 880-22425-1
Project/Site: BC&D-Pipeline Produce Water Release

HPLC/IC (Continued)

Analysis Batch: 41735 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22328-A-11-C MS	Matrix Spike	Soluble	Solid	300.0	41355
880-22328-A-11-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	41355

Analysis Batch: 41739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22425-9	SP8-S001	Soluble	Solid	300.0	41367
880-22425-10	SP9-S001	Soluble	Solid	300.0	41367
880-22425-11	SP10-S001	Soluble	Solid	300.0	41367
880-22425-12	SP11-S001	Soluble	Solid	300.0	41367
880-22425-13	HS1-S001	Soluble	Solid	300.0	41367
880-22425-14	HS2-S001	Soluble	Solid	300.0	41367
880-22425-15	HS3-S001	Soluble	Solid	300.0	41367
880-22425-16	HS4-S001	Soluble	Solid	300.0	41367
880-22425-17	HS5-S001	Soluble	Solid	300.0	41367
880-22425-18	HS6-S001	Soluble	Solid	300.0	41367
880-22425-19	HS7-S001	Soluble	Solid	300.0	41367
880-22425-20	HS8-S001	Soluble	Solid	300.0	41367
880-22425-21	HS9-S001	Soluble	Solid	300.0	41367
880-22425-22	HS10-S001	Soluble	Solid	300.0	41367
MB 880-41367/1-A	Method Blank	Soluble	Solid	300.0	41367
LCS 880-41367/2-A	Lab Control Sample	Soluble	Solid	300.0	41367
LCSD 880-41367/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	41367
880-22425-9 MS	SP8-S001	Soluble	Solid	300.0	41367
880-22425-9 MSD	SP8-S001	Soluble	Solid	300.0	41367
880-22425-19 MS	HS7-S001	Soluble	Solid	300.0	41367
880-22425-19 MSD	HS7-S001	Soluble	Solid	300.0	41367

Lab Chronicle

Client: Sport Environmental Services LLC
Job ID: 880-22425-1
Project/Site: BC&D-Pipeline Produce Water Release

Client Sample ID: SP1-S001
Lab Sample ID: 880-22425-1
Date Collected: 12/06/22 11:50
Matrix: Solid
Date Received: 12/07/22 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	41355	12/08/22 10:52	KS	EET MID
Soluble	Analysis	300.0		10			41735	12/13/22 21:27	CH	EET MID

Client Sample ID: SP2-S001
Lab Sample ID: 880-22425-2
Date Collected: 12/06/22 11:52
Matrix: Solid
Date Received: 12/07/22 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	41355	12/08/22 10:52	KS	EET MID
Soluble	Analysis	300.0		5			41735	12/13/22 21:49	CH	EET MID

Client Sample ID: SP3-S001
Lab Sample ID: 880-22425-3
Date Collected: 12/06/22 11:55
Matrix: Solid
Date Received: 12/07/22 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	41355	12/08/22 10:52	KS	EET MID
Soluble	Analysis	300.0		10			41735	12/13/22 21:56	CH	EET MID

Client Sample ID: SP4-S001
Lab Sample ID: 880-22425-4
Date Collected: 12/06/22 11:58
Matrix: Solid
Date Received: 12/07/22 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	41355	12/08/22 10:52	KS	EET MID
Soluble	Analysis	300.0		10			41735	12/13/22 22:03	CH	EET MID

Client Sample ID: SP5-S001
Lab Sample ID: 880-22425-5
Date Collected: 12/06/22 12:00
Matrix: Solid
Date Received: 12/07/22 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	41355	12/08/22 10:52	KS	EET MID
Soluble	Analysis	300.0		5			41735	12/13/22 22:10	CH	EET MID

Client Sample ID: SP6-S001
Lab Sample ID: 880-22425-6
Date Collected: 12/06/22 12:02
Matrix: Solid
Date Received: 12/07/22 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	41355	12/08/22 10:52	KS	EET MID
Soluble	Analysis	300.0		10			41735	12/13/22 22:17	CH	EET MID

Lab Chronicle

Client: Sport Environmental Services LLC Job ID: 880-22425-1
Project/Site: BC&D-Pipeline Produce Water Release

Client Sample ID: SP7-S001 Lab Sample ID: 880-22425-7
Date Collected: 12/06/22 12:05 **Matrix: Solid**
Date Received: 12/07/22 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	41355	12/08/22 10:52	KS	EET MID
Soluble	Analysis	300.0		1			41735	12/13/22 22:25	CH	EET MID

Client Sample ID: SP8-S001 Lab Sample ID: 880-22425-8
Date Collected: 12/06/22 12:08 **Matrix: Solid**
Date Received: 12/07/22 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	41355	12/08/22 10:52	KS	EET MID
Soluble	Analysis	300.0		10			41735	12/13/22 22:32	CH	EET MID

Client Sample ID: SP8-S001 Lab Sample ID: 880-22425-9
Date Collected: 12/06/22 12:10 **Matrix: Solid**
Date Received: 12/07/22 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	41367	12/08/22 12:17	KS	EET MID
Soluble	Analysis	300.0		10			41739	12/14/22 21:39	CH	EET MID

Client Sample ID: SP9-S001 Lab Sample ID: 880-22425-10
Date Collected: 12/06/22 12:15 **Matrix: Solid**
Date Received: 12/07/22 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	41367	12/08/22 12:17	KS	EET MID
Soluble	Analysis	300.0		1			41739	12/14/22 22:01	CH	EET MID

Client Sample ID: SP10-S001 Lab Sample ID: 880-22425-11
Date Collected: 12/06/22 12:20 **Matrix: Solid**
Date Received: 12/07/22 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	41367	12/08/22 12:17	KS	EET MID
Soluble	Analysis	300.0		1			41739	12/14/22 22:08	CH	EET MID

Client Sample ID: SP11-S001 Lab Sample ID: 880-22425-12
Date Collected: 12/06/22 12:25 **Matrix: Solid**
Date Received: 12/07/22 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	41367	12/08/22 12:17	KS	EET MID
Soluble	Analysis	300.0		1			41739	12/14/22 22:15	CH	EET MID

Lab Chronicle

Client: Sport Environmental Services LLC Job ID: 880-22425-1
Project/Site: BC&D-Pipeline Produce Water Release

Client Sample ID: HS1-S001 Lab Sample ID: 880-22425-13

Date Collected: 12/06/22 11:20 **Matrix: Solid**
Date Received: 12/07/22 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	41367	12/08/22 12:17	KS	EET MID
Soluble	Analysis	300.0		1			41739	12/14/22 22:23	CH	EET MID

Client Sample ID: HS2-S001 Lab Sample ID: 880-22425-14

Date Collected: 12/06/22 11:22 **Matrix: Solid**
Date Received: 12/07/22 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	41367	12/08/22 12:17	KS	EET MID
Soluble	Analysis	300.0		1			41739	12/14/22 22:44	CH	EET MID

Client Sample ID: HS3-S001 Lab Sample ID: 880-22425-15

Date Collected: 12/06/22 11:25 **Matrix: Solid**
Date Received: 12/07/22 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	41367	12/08/22 12:17	KS	EET MID
Soluble	Analysis	300.0		1			41739	12/14/22 22:52	CH	EET MID

Client Sample ID: HS4-S001 Lab Sample ID: 880-22425-16

Date Collected: 12/06/22 11:27 **Matrix: Solid**
Date Received: 12/07/22 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	41367	12/08/22 12:17	KS	EET MID
Soluble	Analysis	300.0		1			41739	12/14/22 22:59	CH	EET MID

Client Sample ID: HS5-S001 Lab Sample ID: 880-22425-17

Date Collected: 12/06/22 11:30 **Matrix: Solid**
Date Received: 12/07/22 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	41367	12/08/22 12:17	KS	EET MID
Soluble	Analysis	300.0		1			41739	12/14/22 23:06	CH	EET MID

Client Sample ID: HS6-S001 Lab Sample ID: 880-22425-18

Date Collected: 12/06/22 11:35 **Matrix: Solid**
Date Received: 12/07/22 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	41367	12/08/22 12:17	KS	EET MID
Soluble	Analysis	300.0		1			41739	12/14/22 23:13	CH	EET MID

Lab Chronicle

Client: Sport Environmental Services LLC Job ID: 880-22425-1
Project/Site: BC&D-Pipeline Produce Water Release

Client Sample ID: HS7-S001 Lab Sample ID: 880-22425-19

Date Collected: 12/06/22 11:37 **Matrix: Solid**
Date Received: 12/07/22 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	41367	12/08/22 12:17	KS	EET MID
Soluble	Analysis	300.0		1			41739	12/14/22 23:20	CH	EET MID

Client Sample ID: HS8-S001 Lab Sample ID: 880-22425-20

Date Collected: 12/06/22 11:40 **Matrix: Solid**
Date Received: 12/07/22 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	41367	12/08/22 12:17	KS	EET MID
Soluble	Analysis	300.0		1			41739	12/14/22 23:42	CH	EET MID

Client Sample ID: HS9-S001 Lab Sample ID: 880-22425-21

Date Collected: 12/06/22 11:43 **Matrix: Solid**
Date Received: 12/07/22 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	41367	12/08/22 12:17	KS	EET MID
Soluble	Analysis	300.0		1			41739	12/14/22 23:49	CH	EET MID

Client Sample ID: HS10-S001 Lab Sample ID: 880-22425-22

Date Collected: 12/06/22 11:45 **Matrix: Solid**
Date Received: 12/07/22 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	41367	12/08/22 12:17	KS	EET MID
Soluble	Analysis	300.0		1			41739	12/15/22 00:11	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Sport Environmental Services LLC Job ID: 880-22425-1
Project/Site: BC&D-Pipeline Produce Water Release

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23

Method Summary

Client: Sport Environmental Services LLC Job ID: 880-22425-1
Project/Site: BC&D-Pipeline Produce Water Release

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

Protocol References:

ASTM = ASTM International

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

Laboratory References:

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

Sample Summary

Client: Sport Environmental Services LLC
Project/Site: BC&D-Pipeline Produce Water Release

Job ID: 880-22425-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-22425-1	SP1-S001	Solid	12/06/22 11:50	12/07/22 10:25	Surface - 4"
880-22425-2	SP2-S001	Solid	12/06/22 11:52	12/07/22 10:25	Surface - 4"
880-22425-3	SP3-S001	Solid	12/06/22 11:55	12/07/22 10:25	Surface - 4"
880-22425-4	SP4-S001	Solid	12/06/22 11:58	12/07/22 10:25	Surface - 4"
880-22425-5	SP5-S001	Solid	12/06/22 12:00	12/07/22 10:25	Surface - 4"
880-22425-6	SP6-S001	Solid	12/06/22 12:02	12/07/22 10:25	Surface - 4"
880-22425-7	SP7-S001	Solid	12/06/22 12:05	12/07/22 10:25	Surface - 4"
880-22425-8	SP8-S001	Solid	12/06/22 12:08	12/07/22 10:25	Surface - 4"
880-22425-9	SP8-S001	Solid	12/06/22 12:10	12/07/22 10:25	8" - 10'
880-22425-10	SP9-S001	Solid	12/06/22 12:15	12/07/22 10:25	Surface - 4"
880-22425-11	SP10-S001	Solid	12/06/22 12:20	12/07/22 10:25	Surface - 4"
880-22425-12	SP11-S001	Solid	12/06/22 12:25	12/07/22 10:25	Surface - 4"
880-22425-13	HS1-S001	Solid	12/06/22 11:20	12/07/22 10:25	Surface - 4"
880-22425-14	HS2-S001	Solid	12/06/22 11:22	12/07/22 10:25	Surface - 2"
880-22425-15	HS3-S001	Solid	12/06/22 11:25	12/07/22 10:25	Surface - 2"
880-22425-16	HS4-S001	Solid	12/06/22 11:27	12/07/22 10:25	Surface - 2"
880-22425-17	HS5-S001	Solid	12/06/22 11:30	12/07/22 10:25	Surface - 2"
880-22425-18	HS6-S001	Solid	12/06/22 11:35	12/07/22 10:25	Surface - 2"
880-22425-19	HS7-S001	Solid	12/06/22 11:37	12/07/22 10:25	Surface - 2"
880-22425-20	HS8-S001	Solid	12/06/22 11:40	12/07/22 10:25	Surface - 2"
880-22425-21	HS9-S001	Solid	12/06/22 11:43	12/07/22 10:25	Surface - 2"
880-22425-22	HS10-S001	Solid	12/06/22 11:45	12/07/22 10:25	Surface - 2"

Chain of Custody

XENCO LABORATORIES

Houston TX (281) 240-4200 Dallas TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland TX (432-704-5440) EL Paso TX (915)585-3443 Lubbock,TX (806)794-1296
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)

Work Order No: 22425

www.xenco.com Page _____ of _____

Project Manager:	Dudley Womble	Bill to: (if different)	
Company Name:	Sport Envrionmental Services, LLC	Company Name:	
Address:	502 N Big Spring Street	Address:	
City, State ZIP:	Midland, Texas 79705	City, State ZIP:	
Phone:	432-683-1100	Email:	dudley@sportenv.com clint@sportenv.com lan@sportenv.com

Work Order Comments

Program UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project.
Reporting Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐
Deliverables. EDD ☐ ADaPT ☐ Other

Project Name:	BC&D Pipeline Produce Water Release	Turn Around	
Project Number:		Routine ☐	
P O. Number:		Rush	
Sampler's Name:	Lan Bundy	Due Date:	

SAMPLE RECEIPT	Temp Blank: Yes (No)	Wet Ice: (Yes) No	
Temperature (°C):	5.9 / 5.0	Thermometer ID	IR8
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor	-.30
Sample Custody Seals:	Yes No (N/A)	Total Containers:	

ANALYSIS REQUEST

Work Order Notes

TAT starts the day recevied by the lab, if received by 4.30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Chlorides (EPA 300) (NM)	Sample Comments
SP1-001	S	12/6/2022	1150	surface -4"	1	x	402
SP2-001	S	12/6/2022	1152	surface -4"	1	x	
SP3-001	S	12/6/2022	1155	surface -4"	1	x	
SP4-001	S	12/6/2022	1158	surface -4	1	x	
SP5-001	S	12/6/2022	1200	surface -4"	1	x	
SP6-001	S	12/6/2022	1202	surface -4"	1	x	
SP7-001	S	12/6/2022	1205	surface -4"	1	x	
SP8-001	S	12/6/2022	1208	surface -4	1	x	
SP8-001	S	12/6/2022	1210	8"-10'	1	x	
SP9-001	S	12/6/2022	1215	surface -4"	1	x	
SP10-001	S	12/6/2022	1220	surface -4"	1	x	
SP11-001	S	12/6/2022	1225	surface -4"	1	x	
HS1-001	S	12/6/2022	1120	surface -2"	1	x	
HS2-001	S	12/6/2022	1122	surface 2"	1	x	
HS3-001	S	12/6/2022	1125	surface -2'	1	x	
HS4-001	S	12/6/2022	1127	surface -2'	1	x	
HS5-001	S	12/6/2022	1130	surface -2"	1	x	
HS6-001	S	12/6/2022	1135	surface -2"	1	x	
HS7-001	S	12/6/2022	1137	surface 2"	1	x	
HS8-001	S	12/6/2022	1140	surface -2'	1	x	
HS9-001	S	12/6/2022	1143	surface -2"	1	x	
HS10-001	S	12/6/2022	1145	surface 2"	1	x	

880-22425 Chain of Custody

Total 200.7 / 6010 200.8 / 6020 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** Hg

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		12/13/22 10:25 am	2		
3			4		
5			6		

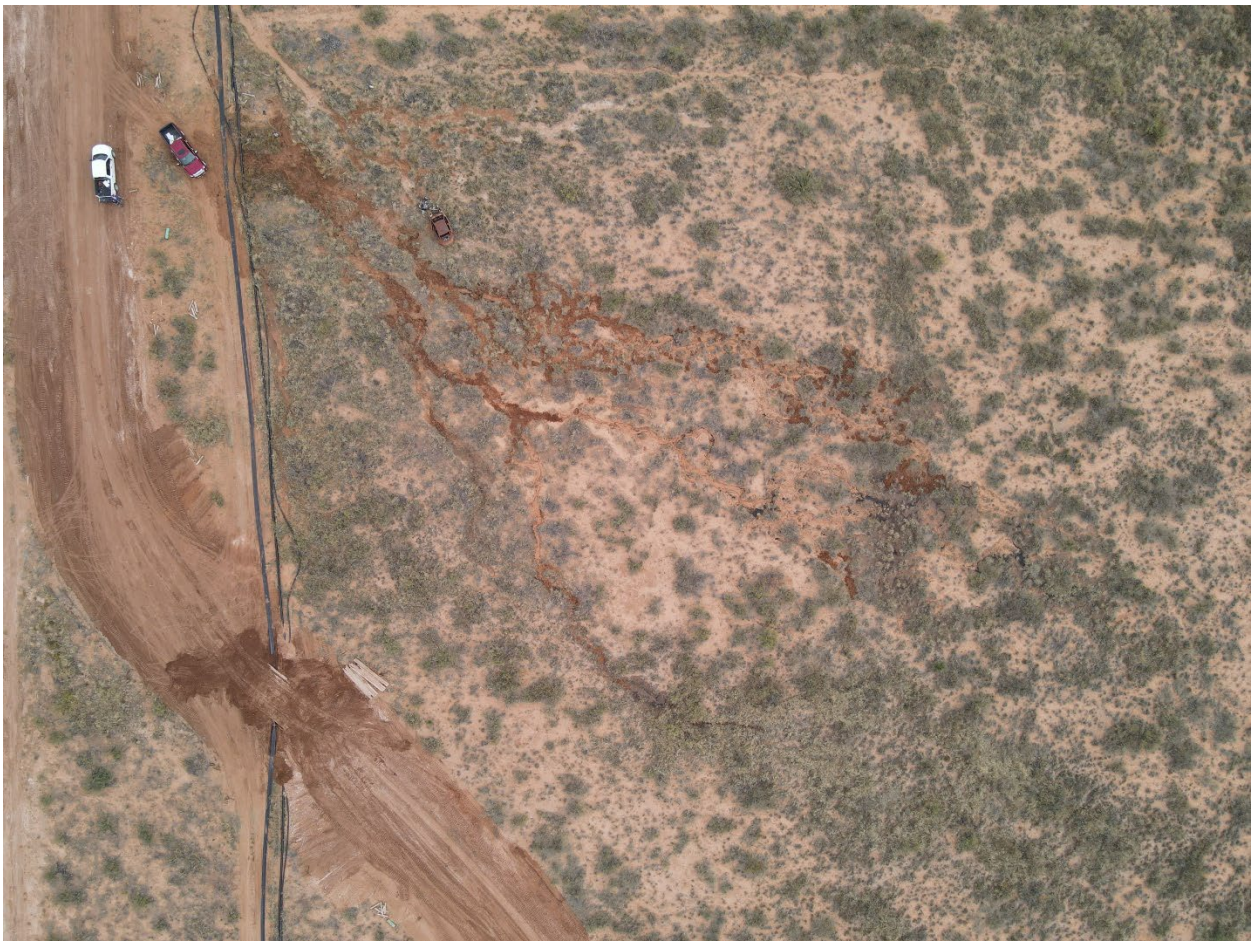
Revised Date 051418 Rev. 2018.1

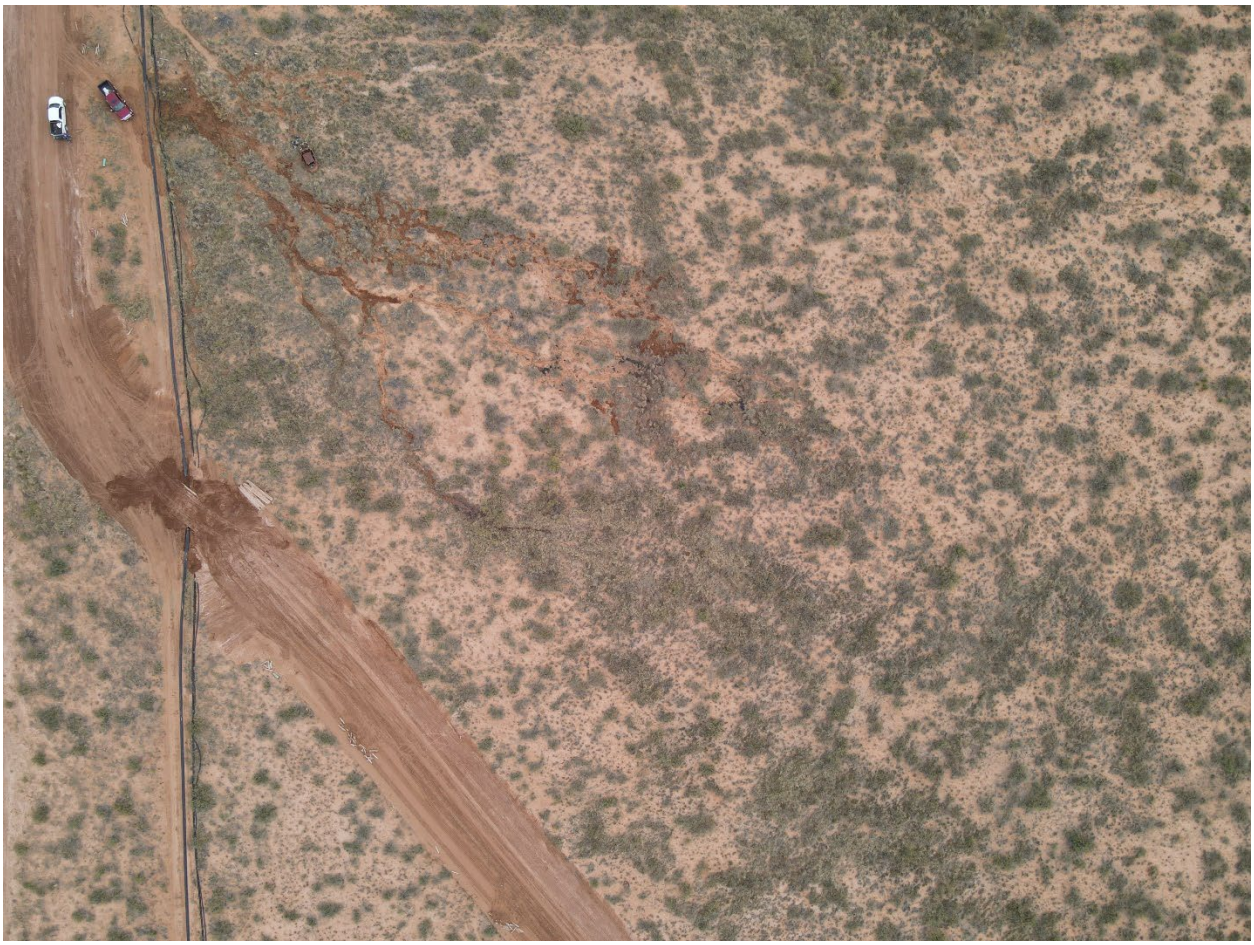
Login Sample Receipt Checklist

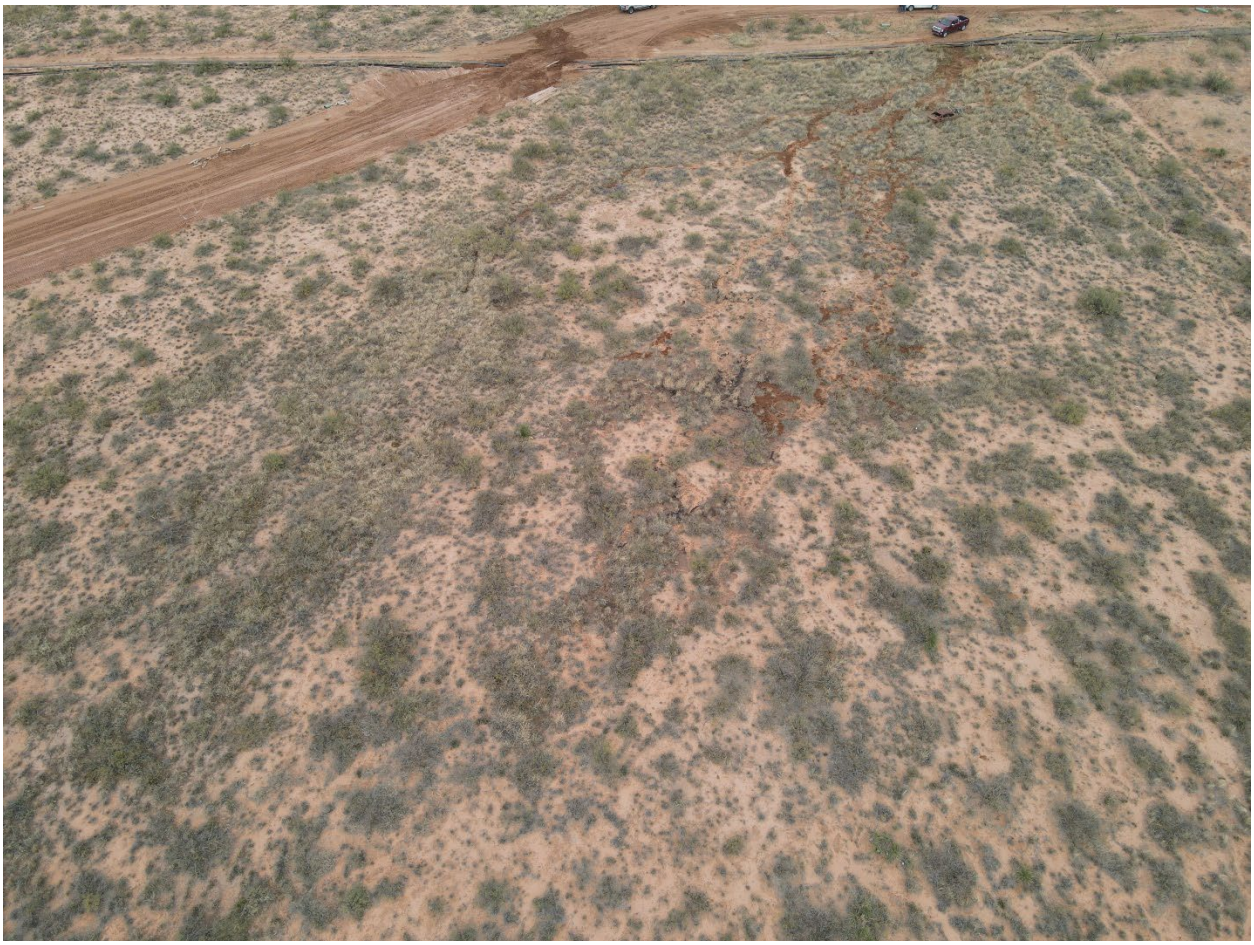
Client: Sport Environmental Services LLC Job Number: 880-22425-1

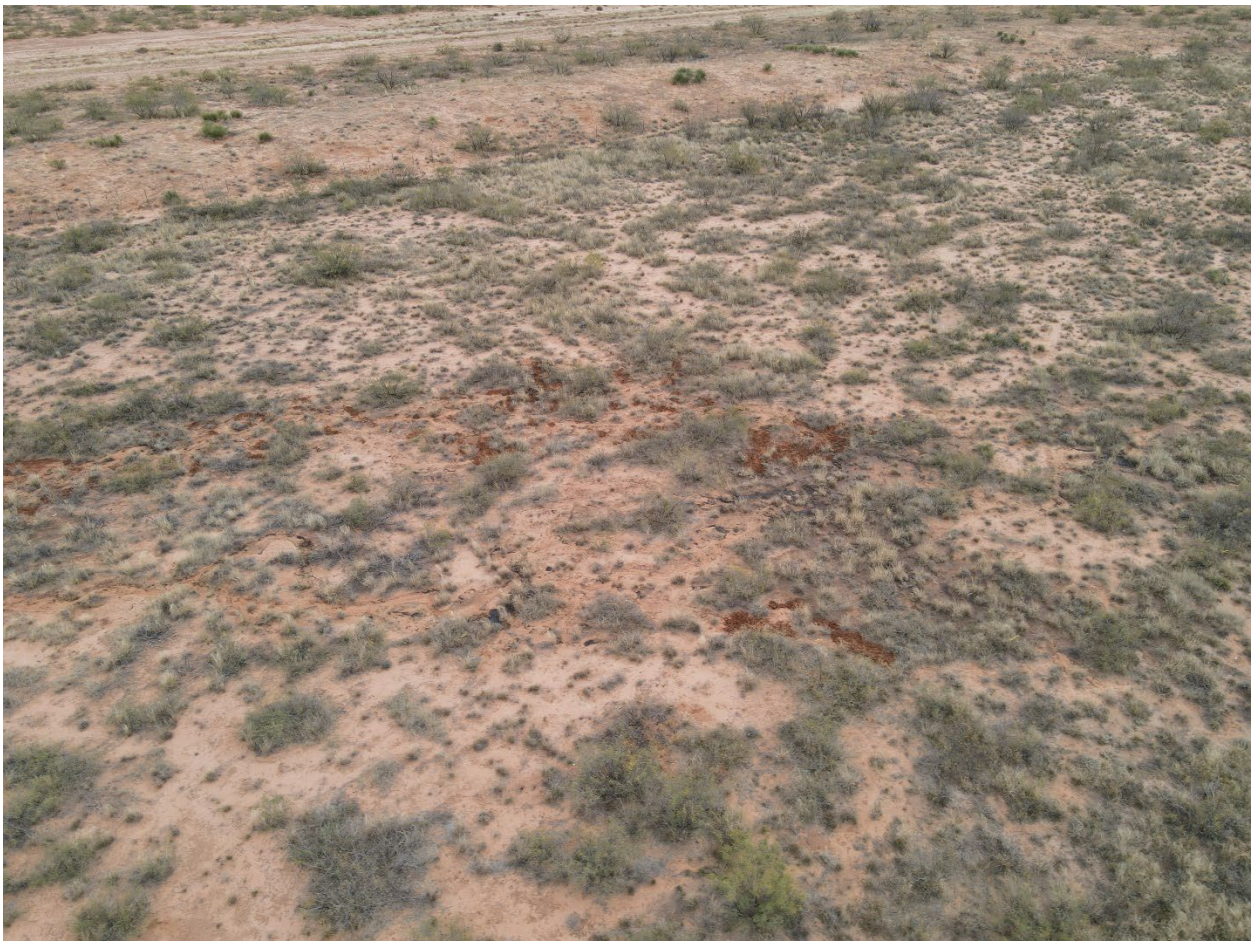
Login Number: 22425 **List Source: Eurofins Midland**
List Number: 1
Creator: Rodriguez, Leticia

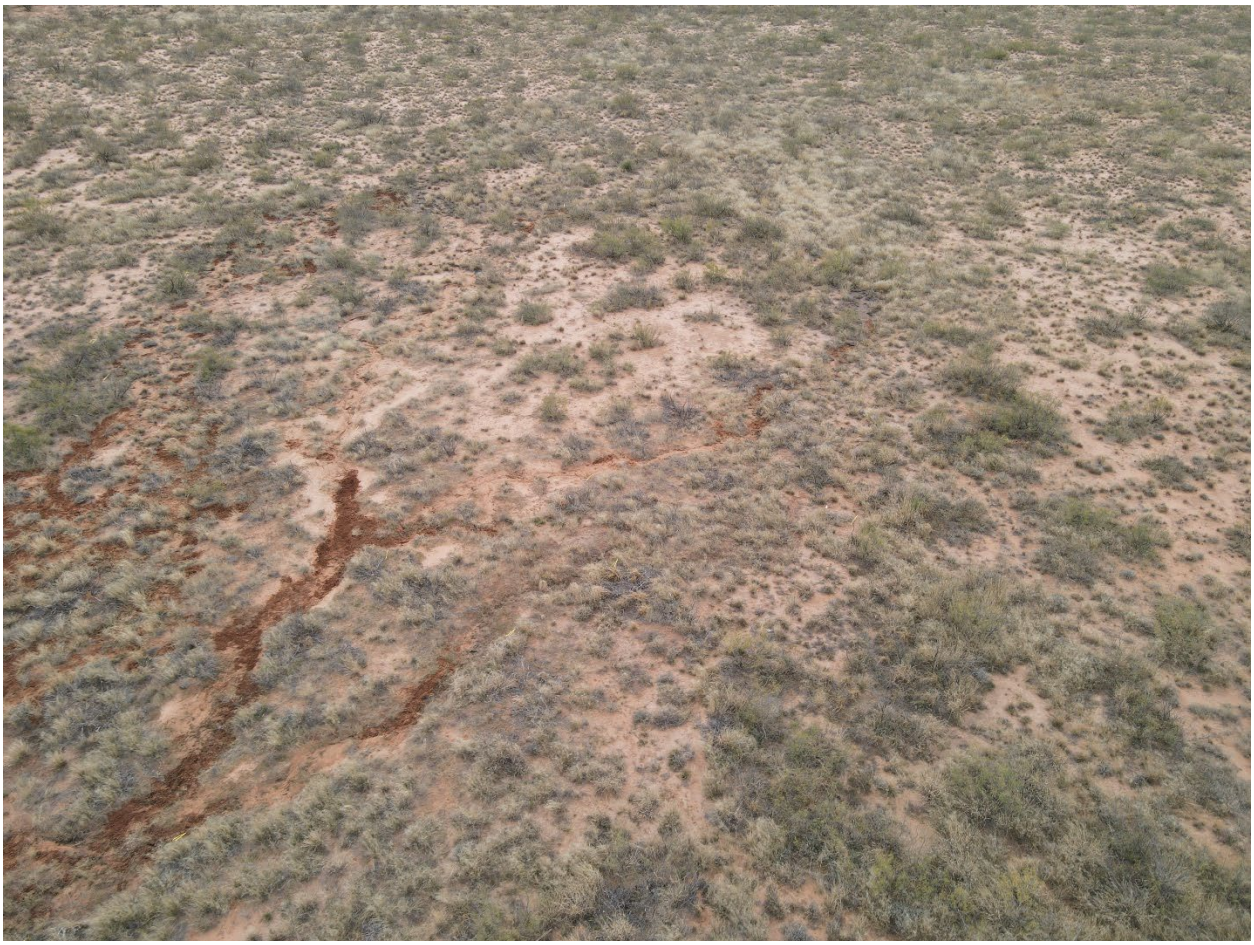
Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature 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	











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 167646

CONDITIONS

Operator: BC & D OPERATING INC. p o box 302 Hobbs, NM 88241	OGRID: 25670
	Action Number: 167646
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	12/19/2022