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U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

Record of Climatological Observations
These data are quality controlled and may not be identical to the original observations.
Generated on 02/01/2023

National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Current Location: Elev: 3366 ft. Lat: 32.7547° N Lon: -104.3835° W
Station: **ARTESIA 6 S, NM US USC00290600**

Observation Time Temperature: 0730 Observation Time Precipitation: 0730

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2022	04	01	69	32	39	0.00		0.0		0.0	106.3	0.40	5	56	51			
2022	04	02	81	36	36	0.00		0.0		0.0	131.1	0.07	5	55	54			
2022	04	03	82	35	41	0.00		0.0		0.0	198.2	0.33	5	56	55			
2022	04	04	89	41	49	0.00		0.0		0.0	179.0	0.22	5	56	55			
2022	04	05	73	42	49	0.00		0.0		0.0	126.1	0.29	5	56	56			
2022	04	06	92	43	44	0.00		0.0		0.0		0.22	5	59	58			
2022	04	07	70	30	34	0.00		0.0		0.0	98.2	0.37	5	59	58			
2022	04	08	68	33	39	0.00		0.0		0.0	119.3	0.15	5	58	56			
2022	04	09	71	31	31	0.00		0.0		0.0	111.2	0.33	5	59	55			
2022	04	10	88	31	67	0.00		0.0		0.0	215.0	0.38	5	58	57			
2022	04	11	86	49	55	0.00		0.0		0.0	287.7	0.41	5	59	59			
2022	04	12	86	55	65	0.00		0.0		0.0	287.1	0.38	5	60	60			
2022	04	13	85	52	53	0.00		0.0		0.0	436.2	0.45	5	60	60			
2022	04	14	73	33	40	0.00		0.0		0.0	151.0	0.33	5	61	60			
2022	04	15	82	40	46	0.00		0.0		0.0	128.0	0.26	5	61	56			
2022	04	16	92	46	54	0.00		0.0		0.0	247.9	0.44	5	60	59			
2022	04	17	76	40	43	0.00		0.0		0.0	160.9	0.30	5	61	60			
2022	04	18	89	41	46	0.00		0.0		0.0	98.2	0.26	5	61	61			
2022	04	19	82	45	49	0.00		0.0		0.0	179.0	0.25	5	61	61			
2022	04	20	87	49	59	0.00		0.0		0.0	152.9	0.33	5	61	61			
2022	04	21	93	49	60	0.00		0.0		0.0	210.0	0.40	5	62	62			
2022	04	22	93	60	65	0.00		0.0		0.0	231.2	0.39	5	64	61			
2022	04	23	95	57	58	0.00		0.0		0.0	333.1	0.60	5	65	60			
2022	04	24	83	43	48	0.00		0.0		0.0	200.1	0.45	5	66	64			
2022	04	25	80	48	56	0.00		0.0		0.0	129.2	0.30	5	64	64			
2022	04	26	73	42	47	0.00		0.0		0.0	152.9	0.29	5	64	64			
2022	04	27	75	47	58	0.00		0.0		0.0	267.8	0.24	5	64	64			
2022	04	28	88	45	49	0.00		0.0		0.0	279.0	0.35	5	64	64			
2022	04	29	91	48	66	0.00		0.0		0.0	169.0	0.32	5	64	63			
2022	04	30																
Summary			82	43		0.00		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests. "At Obs." = Temperature at time of observation

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.



Hydrologic Monitoring

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Houston, Texas 77043

Phone 713.464.5206
Fax 713.464.5207

April 22, 2022

Ms. Julie Speer, P.G.
Sr. Project Manager
TRC
505 East Huntland Drive, Suite 250
Austin, Texas 78752

Subject: April 2022 (Spring, Non-Biennial) Groundwater Monitoring Event
Four "City Wells" Gauging & Sampling – April 11, 2022
Sitewide Gauging – April 12-13, 2022
Groundwater Sampling – April 12-13, 2022
Navajo Refining Company, Artesia, New Mexico

Dear Ms. Speer:

This document summarizes groundwater monitoring field activities conducted by Hydrologic Monitoring, LLC (HMI) on behalf of TRC at the Navajo Refining Company, Artesia Refinery, Artesia, New Mexico.

Contents

Field Activities Narrative
Table 1: (Gauging Data, GW Field Parameters, Well Inspections, & Analytical Program)
Groundwater Sampling SOP Memo
Job Hazard Analysis (JHA) form
Groundwater Sampling Forms, followed by Field Instrument Calibration Log
(in three emails - forms in order of field-strategy, Table 1)
Chain-of-Custody Forms (per Pace, due to large file size)

Field Activities Narrative

1. HMI conducted *Spring, Non-Biennial 2022* groundwater monitoring event in April 2022 (“SA and A” designations only, in Table 1). Sitewide gauging and groundwater sampling was conducted April 12-13, 2022. The four “City Wells” were gauged and sampled April 11, 2022.
2. Groundwater sampling was conducted in accordance with the Site Sampling and Analysis Plan, EPA guidance, and the attached Memorandum - Low-Flow Groundwater Monitoring Standard Operating Procedures, Navajo Refining Co. - Artesia, New Mexico. Per regulatory request, if measured LNAPL thickness was *less than* 0.03 feet, in any well scheduled for groundwater sampling, LNAPL was removed, and the well was sampled. If LNAPL thickness was equal to, or greater than 0.03 feet, in any well scheduled for sampling, the well was not sampled. Gauging data, groundwater field parameters, and well inspection information is summarized in Table 1. Samples were shipped Priority Overnight FedEx, per Pace Analytical, Mt. Juliet, TN. The groundwater sampling process is documented on the attached groundwater sampling forms.
3. Field QA/QC Sampling (per Refinery Area):

Evaporation Ponds**Duplicates:**

Dup-EP-01 at MW-7A
Dup-EP-02 at MW-22A
Dup-EP-03 at MW-3

Equipment Blanks:

EB-EP-01 collected over decontaminated gauging probe after sampling MW-74
EB-EP-02 collected over decontaminated gauging probe after sampling MW-124
EB-EP-03 collected over decontaminated gauging probe after sampling MW-5A
EB-EP-04 collected over decontaminated gauging probe after sampling MW-79
Trip Blank-EP-01
Trip Blank-EP-02
Trip Blank-EP-03

NCL**Duplicate:**

Dup-NCL-01 at NCL-49

Equipment Blank:

EB-NCL-01 collected over decontaminated gauging probe after sampling NCL-49
Trip Blank-NCL-01

TMD

Trip Blank-TMD-01

TEL**Duplicate:**

Dup-TEL-01 at TEL-4

Equipment Blank:

EB-TEL-01 collected over decontaminated gauging probe after sampling TEL-4
Trip Blank-TEL-01

REST (“rest” of the site)**Duplicates:**

Dup-REST-01 at MW-113
Dup-REST-02 at MW-102
Dup-REST-03 at MW-134
Dup-REST-04 at MW-146
Dup-REST-05 at KWB-12B

Equipment Blanks:

EB-REST-01 collected over decontaminated gauging probe after sampling MW-113
EB-REST-02 collected over decontaminated gauging probe after sampling MW-102
EB-REST-03 collected over decontaminated gauging probe after sampling MW-134
EB-REST-04 collected over decontaminated gauging probe after sampling MW-146
EB-REST-05 collected over decontaminated gauging probe after sampling KWB-12B
Trip Blank-REST-01
Trip Blank-REST-02
Trip Blank-REST-03
Trip Blank-REST-04

4. **Notes:**

HMI’s daily JHA forms are in HMI Deliverables. HMI’s “Estimated Field Hours” table + post-event “Actual Field Hours” table are provided for TRC files.

• **1H22 Photos- Need for following wells in Artesia, per TRC:**

Well Name	Location
KWB-3AR	Field E of Refinery; Jack Joy-No Access Permitted, per Navajo
MW-145	Field E of Refinery
MW-146	Field E of Refinery
MW-147	Field E of Refinery
MW-148	Field E of Refinery
MW-137	N Refinery
MW-138	N Refinery
MW-97	N Refinery
MW-137A	N Refinery
MW-138A	N Refinery
MW-62R	N Refinery
MW-53R	NCL
MW-139	S Refinery

MW-48 was relocated 1H22, but remains “failed”, e.g., blocked by dry sediment at approximately 4-ft below grade (see form).

MW-93 – covered by construction-related gravel; reported to Navajo 1H22.

MW-97 – covered by construction-related gravel in 2H21; then in 1H22, no access allowed to area due to large crane and red barrier tape; and confirmed to HMI by Navajo 1H22.

MW-106 – covered by construction-related gravel; reported to Navajo 1H22

MW-129 – graded-over for road construction; searched-for and not located; reported to Navajo 1H22

Per 1H22 note - irrigation wells may experience upcoming changes, per TRC (TBD, replacements, etc.), with possible renewed well-access on the Joy farm property upcoming.

Training modules: “24HFNAV HOLLYFRONTIER SITE SPECIFIC ORIENTATION ARTESIA-NM”, and additional “LPS” module – both @ HASC, annually (HMI’s December-cycle). HMI’s DISA 2-yr background check/drug/alcohol requirements approved by safety-trailer personnel 2019, 2021, 2023, etc., as reported through HASC system; HMI maintains access qualifications.

Per Navajo, purgewater is disposed in the pad sump (inside, then to the left, after Main Gate-entrance). Alternately, North Bundle Pad sump (fenced area of drums, etc.), notifying FCC control room prior to entrance.

Sitewide well/gate lock combinations: “2-0-1-3” (and less often “2-0-0-2”).

With suggested telephone notification, FedEx pickup from locked Artesia Refinery shed (35-25-39 lock combination), no earlier than approximately 14:00 daily, located across from Artesia Wool Co (access shed-area from inside the Refinery).

North side of Hwy 82, east of site, gate with cable and combination lock (8810).

POTW bldg, check-in as needed, to borrow a key or get gate unlocked.

HMI borrows Navajo key sets for “Evaporation Ponds” & “TEL” at permitting; returning upon event completion.

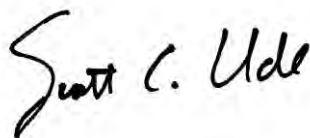
Navajo’s Mr. Randy Dade/Austin’s Mr. Domingo Torres, for daily safety review & permit-issuing per team member (commonly ~ 10-pers HMI team).

HMI reports well inspections on the well sampling forms. Well inspection - items of concern (i.e., “Issues”) are highlighted in yellow color (Table 1).

HMI appreciates the opportunity to assist TRC with this project. If you have any questions or would like additional information please feel free to call us at 713.464.5206.

Sincerely,

HYDROLOGIC MONITORING



Scott C. Ude, P.G.



The seal appearing on this document was authorized by Scott C. Ude, P.G. 353 on April 22, 2022.

Attachments

cc: Dana Helbert, P.G., TRC-Austin

Table 1: Gauging Data, Groundwater Field Parameters and Well Inspections, 1H22
Navajo Refining Company - Artesia Refinery, Artesia, New Mexico

Well ID	Well Type	HMI Use	HMI Use (# Sampled Wells)	# wells with LNAPL	# dry wells	HMI Use (Field-Strategy)	Location			Hydrologic Monitoring-Collected Data (Gauging/Groundwater Field Parameter/Well Inspection)																	PSH Expected?	Gauging Frequency	GW Sampling Frequency / Analysis per COC									
																														Purge Parameters	General Sampling Frequency	(Analysis per COC)						
								Gauge Date	Gauge Time	Depth to LNAPL (ft btoc)	Depth to Water (ft btoc)	LNAPL Column (ft)	Total Depth (ft btoc)	Sample Date	Sample Time	pH (S.U.)	T (C)	Spec. Cond. (umho/cm)	D. O. (mg/l)	ORP (mg/l)	Turb. (NTU)	Water Clarity	Cap	Casing	Well Secured	Label												
MW-6A	Monitoring	MDB	1			1	EP	13-Apr	1210	NP	13.16	0.00	19.04	13-Apr	1235	7.40	19.2	5,280	1.0	-91.2	6.9	Clear	Yes	Yes	Yes	Yes		SA	A	A	x							
MW-6B	Monitoring	MDB				2	EP	13-Apr	1300	NP	13.07	0.00	52.28			6.84	19.5	5,840	1.0	-120.1	2.4	Clear	Yes	Yes	Yes	Yes		SA	B	B	x							
MW-85	Monitoring	MDB		1		3	EP	13-Apr	1440	10.66	11.08	0.42	20.34			No sampling (LNAPL 0.03' or greater)						Yes	Yes	Yes	Yes	Y	SA	SA	SA	x								
MW-86	Monitoring	MDB		2		4	EP	13-Apr	1430	10.43	10.60	0.17	19.21			No sampling (LNAPL 0.03' or greater)						Yes	Yes	Yes	Yes	Y	SA	SA	SA	x								
MW-120	Monitoring	MDB	2			5	EP	13-Apr	1115	NP	13.13	0.00	28.00	13-Apr	1140	7.18	19.0	9,760	1.2	-70.8	4.2	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x							
MW-121	Monitoring	MDB	3			6	EP	13-Apr	1020	NP	12.19	0.00	27.31	13-Apr	1045	7.25	17.8	6,900	1.4	57.4	6.9	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x							
MW-84	Monitoring	MDB	4			7	EP	13-Apr	840	NP	10.50	0.00	20.56	13-Apr	905	7.05	18.9	11,170	2.7	20.7	7.4	Clear, gold tint	Yes	Yes	Yes	Yes		SA	SA	SA	x							
MW-122	Monitoring	MDB	5			8	EP	12-Apr	1650	NP	11.08	0.00	23.32	12-Apr	1715	7.23	19.8	5,970	1.9	-26.9	25.1	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x							
MW-81	Monitoring	MDB	6			9	EP	12-Apr	1410	NP	11.41	0.00	18.62	12-Apr	1435	7.20	20.6	7,680	2.1	62.3	4.7	Clear	Yes	Yes	Yes	Yes		SA	A	A	x							
MW-80	Monitoring	MDB	7			10	EP	12-Apr	1500	NP	9.49	0.00	19.69	12-Apr	1525	7.21	20.5	6,380	1.1	77.9	9.1	Clear	Yes	Yes	Yes	Yes		SA	A	A	x							
MW-79	Monitoring	MDB	8			11	EP	12-Apr	1550	NP	10.55	0.00	19.24	12-Apr	1615	7.18	19.5	8,500	1.8	68.6	4.2	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x							
MW-82	Monitoring	MDB	9			12	EP	13-Apr	930	NP	10.22	0.00	20.02	13-Apr	955	6.97	19.3	8,360	2.2	50.7	7.2	Clear	Yes	Yes	Yes	Yes		SA	A	A	x							
MW-74	Monitoring	MDB	10			13	EP	12-Apr	945	NP	9.63	0.00	20.19	12-Apr	1010	7.15	19.5	11,710	1.5	85.3	26.4	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x							
MW-73	Monitoring	MDB	11			14	EP	12-Apr	900	NP	9.41	0.00	19.60	12-Apr	925	7.36	19.3	13,660	1.3	1.0	19.3	Clear	Yes	Yes	Yes	Yes		SA	A	A	x							
MW-2A	Monitoring	MDB	12			15	EP	12-Apr	1320	NP	9.90	0.00	17.30	12-Apr	1345	6.97	19.5	16,980	1.1	22.8	7.0	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x							
MW-2B	Monitoring	MDB				16	EP	12-Apr	1405	NP	11.51	0.00	52.00			Not in sampling program							Yes	Yes	Yes	Yes		SA	Not in sampling program									
MW-72	Monitoring	MDB	13			17	EP	12-Apr	1230	NP	7.70	0.00	13.93	12-Apr	1255	7.08	20.0	12,060	1.1	85.9	6.6	Clear	Yes	Yes	Yes	Yes		SA	A	A	x							
OCD-6	Monitoring	MDB	14			18	EP	12-Apr	1140	NP	10.97	0.00	26.69	12-Apr	1205	7.02	20.4	17,700	1.6	19.5	8.9	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x							
OCD-7AR	Monitoring	MDB	15			19	EP	12-Apr	1045	NP	9.93	0.00	21.28	12-Apr	1110	6.97	21.1	14,700	1.7	-76.9	25.8	Clr, lt. tan	Yes	Yes	Yes	Yes		SA	SA	SA	x							
OCD-7B	Monitoring	MDB				20	EP	12-Apr	1125	NP	9.85	0.00	56.85			7.70	20.2	6,400	1.1	-127.7	6.5	Clear	Yes	Yes	Yes	Yes		SA	B	B	x							
OCD-7C	Monitoring	MDB				21	EP	12-Apr	1130	NP	9.58	0.00	71.95			Not in sampling program							Yes	Yes	Yes	Yes		SA	Not in sampling program									
RW-#15C	Recovery	MDB		3		22	REST	13-Apr	1000	18.94	19.71	0.77	22.30			No sampling (LNAPL 0.03' or greater)							Yes	Yes	Yes	Yes	Y	SA	A	A	x							
MW-48	Monitoring	MDB				23	REST	12-Apr	830	*	*	*	32.00	* Found 1H22; remains "failed" @ 4.74' (sediment-filled); placed cap 1H22												Yes	Issue	Issue	Issue	Y	SA	SA	SA	x				
MW-130	Monitoring	MDB	16			24	REST	13-Apr	905	NP	22.98	0.00	45.00	13-Apr	930	6.78	24.0	2,210	2.8	-12.2	137.0	Cloudy, white tint	Yes	Yes	Yes	Yes		SA	SA	SA	x							
KWB-4	Monitoring	MDB		4		25	REST	13-Apr	1030	26.67	29.71	3.04	41.75			No sampling (LNAPL 0.03' or greater)						Yes	Yes	Yes	Yes	Y	SA	SA	SA	x								
RW-19	Recovery ^d	MDB		5		26	REST	13-Apr	1015	26.41	27.43	1.02	NM			No sampling (LNAPL 0.03' or greater)						Yes	Yes	Yes	Yes	Y	SA	A	A	x								
MW-76	Monitoring	SCD	17			27	EP	13-Apr	1150	NP	11.57	0.00	20.33	13-Apr	1215	7.17	20.5	6,700	1.6	-67.0	5.7	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x							
MW-77	Monitoring	SCD	18			28	EP	13-Apr	1235	NP	9.82	0.00	20.52	13-Apr	1300	7.25	20.0	6,850	2.0	0.7	6.2	Clr, gold tint, odor	Yes	Yes	Yes	Yes		SA	A	A	x							
MW-78	Monitoring	SCD	19			29	EP	13-Apr	1450	NP	9.88	0.00	19.57	13-Apr	1515	6.71	18.9	3,920	1.6	72.4	5.5	Clear, gold tint	Yes	Yes	Yes	Yes		SA	A	A	x							
MW-75	Monitoring	SCD	20			30	EP	13-Apr	1400	NP	9.98	0.00	23.74	13-Apr	1425	7.17	19.2	7,770	1.4	-27.9	5.7	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x							
MW-83	Monitoring	SCD	21			31	EP	13-Apr	1310	NP	9.84	0.00	19.91	13-Apr	1335	6.99	19.9	6,210	1.5	102.7	6.0	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x							
MW-3	Monitoring	SCD	22			32	EP	13-Apr	1545	NP	11.91	0.00	0.31	13-Apr	1610	6.98	19.3	6,810	1.0	49.0	5.5	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x							

Table 1: Gauging Data, Groundwater Field Parameters and Well Inspections, 1H22
Navajo Refining Company - Artesia Refinery, Artesia, New Mexico

Well ID	Well Type	HMI Use	HMI Use (# Sampled Wells)	# wells with LNAPL	# dry wells	HMI Use (Field-Strategy)	Location			Hydrologic Monitoring-Collected Data (Gauging/Groundwater Field Parameter/Well Inspection)																	PSH Expected?	Gauging Frequency	GW Sampling Frequency / Analysis per COC							
								Gauge Date	Gauge Time	Depth to LNAPL (ft btoc)	Depth to Water (ft btoc)	LNAPL Column (ft)	Total Depth (ft btoc)	Sample Date	Sample Time	pH (S.U.)	T (C)	Spec. Cond. (umho/cm)	D. O. (mg/l)	ORP (mg/l)	Turb. (NTU)	Water Clarity	Cap	Casing	Well Secured	Label			Purge Parameters	General Sampling Frequency	(Analysis per COC)					
MW-88	Monitoring	SCD	23			33	EP	13-Apr	1055	NP	9.36	0.00	20.31	13-Apr	1120	7.48	19.0	8,210	1.4	39.6	5.8	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x					
MW-22A	Monitoring	SCD	24			34	EP	13-Apr	1335	NP	8.61	0.00	22.65	13-Apr	1400	7.33	18.4	13,540	1.3	27.6	5.1	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x					
MW-22B	Monitoring	SCD				35	EP	13-Apr	1330	NP	8.39	0.00	54.66			7.05	17.1	6,470	1.1	-96.2	5.0	Clear	Yes	Yes	Yes	Yes		SA	B	B	x					
MW-10	Monitoring	SCD	25			36	EP	13-Apr	1245	NP	6.04	0.00	18.45	13-Apr	1310	7.31	19.9	6,630	1.5	-37.8	14.6	Clr, orange particles	Yes	Yes	Yes	Yes		SA	SA	SA	x					
MW-123	Monitoring	SCD	26			37	EP	13-Apr	1145	NP	6.51	0.00	25.71	13-Apr	1210	7.29	19.5	7,330	1.4	4.2	4.9	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x					
MW-4A	Monitoring	SCD	27			38	EP	13-Apr	1055	NP	12.06	0.00	16.55	13-Apr	1120	7.55	19.4	7,000	1.8	-128.9	5.3	Clr, blk ptcls, odor	Yes	Yes	Yes	Yes		SA	SA	SA	x					
MW-4B	Monitoring	SCD				39	EP	13-Apr	1140	NP	11.82	0.00	72.37			7.16	19.7	5,040	2.9	-139.9	6.9	Clear	Yes	Yes	Yes	Yes		SA	B	B	x					
MW-5A	Monitoring	SCD	28			40	EP	13-Apr	950	NP	9.01	0.00	20.15	13-Apr	1015	7.54	19.5	12,950	2.1	-102.7	4.8	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x					
MW-5B	Monitoring	SCD				41	EP	13-Apr	1040	NP	9.17	0.00	53.54			7.13	19.5	7,560	1.0	-100.0	4.3	Clear	Yes	Yes	Yes	Yes		SA	B	B	x					
MW-5C	Monitoring	SCD				42	EP	13-Apr	1045	NP	9.39	0.00	71.64			7.27	19.4	3,820	1.3	-70.0	6.2	Clr, white particles	Yes	Yes	Yes	Yes		SA	B	B	x					
MW-7A	Monitoring	SCD	29			43	EP	13-Apr	855	NP	9.78	0.00	18.65	13-Apr	920	7.55	17.7	9,830	1.8	-82.7	6.4	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x					
MW-7B	Monitoring	SCD				44	EP	13-Apr	940	NP	9.54	0.00	52.56			7.49	18.9	7,770	1.3	-90.8	6.5	Clear	Yes	Yes	Yes	Yes		SA	B	B	x					
OCD-8A	Monitoring	SCD	30			45	EP	13-Apr	810	NP	9.24	0.00	20.74	13-Apr	835	7.65	18.1	17,690	2.1	-48.6	5.5	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x					
OCD-8B	Monitoring	SCD				46	EP	13-Apr	805	NP	9.42	0.00	56.65			6.96	17.7	9,250	1.3	-59.5	7.4	Clear	Yes	Yes	Yes	Yes		SA	B	B	x					
KWB-P4	Monitoring	BRH				47	REST	Biennial only		NP	5.89	0.00	30.26			7.14	21.6	6,730	1.3	-44.9	3.7	Clear	Yes	Yes	Yes	Yes		B	B	B	x					
MW-25	Monitoring	BRH	31			48	TMD	13-Apr	945	NP	11.31	0.00	28.18	13-Apr	1010	7.48	19.2	16,750	1.4	97.8	3.3	Clear	Yes	Yes	Yes	Yes		SA	A	A	x					
NP-8	Monitoring	BRH				49	TMD	13-Apr	1030	NP	13.37	0.00	>14.95	(blockage)		Not in sampling program							Yes	Issue	Yes	Yes		SA	Not in sampling program							
MW-1R	Monitoring	BRH	32			50	EP	13-Apr	855	NP	11.46	0.00	20.63	13-Apr	920	7.38	18.8	5,940	1.5	-91.8	4.1	Clear	Yes	Issue	Yes	Yes		SA	A	A	x					
MW-15	Monitoring	BRH	33			51	EP	13-Apr	805	NP	12.62	0.00	21.70	13-Apr	830	7.51	18.2	7,570	2.0	62.4	4.7	Clear	Yes	Yes	Yes	Yes		SA	A	A	x					
OCD-1R	Monitoring	BRH	34			52	EP	12-Apr	1610	NP	12.62	0.00	23.74	12-Apr	1635	7.49	21.8	8,130	1.5	29.6	4.9	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x					
OCD-2A	Monitoring	BRH	35			53	EP	12-Apr	1525	NP	12.57	0.00	27.56	12-Apr	1550	7.62	20.8	6,670	1.6	52.7	4.6	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x					
OCD-2B	Monitoring	BRH				54	EP	12-Apr	1605	NP	12.20	0.00	50.38			Not in sampling program							Yes	Yes	Yes	Yes		SA	Not in sampling program							
OCD-3	Monitoring	BRH	36			55	EP	12-Apr	1350	NP	12.89	0.00	25.20	12-Apr	1415	7.67	21.2	4,950	1.8	60.4	6.1	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x					
OCD-4	Monitoring	BRH	37			56	EP	12-Apr	1300	NP	12.44	0.00	25.41	12-Apr	1330	7.54	21.6	17,240	1.6	48.2	5.4	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x					
MW-11A	Monitoring	BRH	38			57	EP	12-Apr	1435	NP	9.97	0.00	22.01	12-Apr	1500	7.30	21.0	27,400	1.6	96.8	8.3	Clr, orange particles	Yes	Yes	Yes	Yes		SA	SA	SA	x					
MW-11B	Monitoring	BRH				58	EP	12-Apr	1515	NP	9.98	0.00	47.30			7.02	21.5	21,300	1.1	-73.7	6.1	Clear	Yes	Yes	Yes	Yes		SA	B	B	x					
OCD-5	Monitoring	BRH	39			59	EP	12-Apr	1215	NP	10.53	0.00	25.41	12-Apr	1240	7.30	20.8	18,140	1.4	-35.8	47.8	Clr, orange particles	Yes	Yes	Yes	Yes		SA	SA	SA	x					
MW-87	Monitoring	BRH	40			60	EP	12-Apr	845	NP	8.99	0.00	20.39	12-Apr	910	6.81	19.8	16,210	1.7	85.1	4.9	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x					
MW-18A	Monitoring	BRH	41			61	EP	12-Apr	930	NP	10.54	0.00	22.58	12-Apr	955	7.37	20.4	19,870	1.4	64.3	6.4	Clr, brown particles	Yes	Yes	Yes	Yes		SA	SA	SA	x					
MW-18B	Monitoring	BRH				62	EP	12-Apr	1010	NP	10.55	0.00	50.59			7.23	18.2	5,910	1.4	3.5	3.1	Clear	Yes	Yes	Yes	Yes		SA	B	B	x					
MW-18T	Monitoring	BRH				63	EP	12-Apr	1015	NP	10.66	0.00	50.57			Not in sampling program							Yes	Yes	Yes	Yes		SA	Not in sampling program							
MW-70	Monitoring	BRH	42			64	EP	12-Apr	1125	NP	8.69	0.00	22.05	12-Apr	1150	7.56	19.7	7,550	1.3	17.6	27.9	Clr, orange particles	Yes	Yes	Yes	Yes		SA	SA	SA	x					

Table 1: Gauging Data, Groundwater Field Parameters and Well Inspections, 1H22
Navajo Refining Company - Artesia Refinery, Artesia, New Mexico

Well ID	Well Type	HMI Use	HMI Use (# Sampled Wells)	# wells with LNAPL	# dry wells	HMI Use (Field-Strategy)	Location			Hydrologic Monitoring-Collected Data (Gauging/Groundwater Field Parameter/Well Inspection)																	PSH Expected?	Gauging Frequency	GW Sampling Frequency / Analysis per COC								
								Gauge Date	Gauge Time	Depth to LNAPL (ft btoc)	Depth to Water (ft btoc)	LNAPL Column (ft)	Total Depth (ft btoc)	Sample Date	Sample Time	pH (S.U.)	T (C)	Spec. Cond. (umho/cm)	D. O. (mg/l)	ORP (mg/l)	Turb. (NTU)	Water Clarity	Cap	Casing	Well Secured	Label			Purge Parameters	General Sampling Frequency	(Analysis per COC)						
MW-124	Monitoring	BRH	43			65	EP	12-Apr	1035	NP	9.28	0.00	22.00	12-Apr	1100	7.57	19.8	13,660	1.3	-21.2	8.3	Clr, orange particles	Yes	Yes	Yes	Yes		SA	SA	SA	x						
MW-52	Monitoring	BRH/MDB	44			66	REST	13-Apr	1335	NP	21.08	0.00	34.67	13-Apr	1400	7.06	24.0	2,640	1.8	-79.0	6.4	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x						
MW-109	Monitoring	BRH/RJM	45			67	REST	13-Apr	1135	NP	19.13	0.00	29.48	13-Apr	1200	7.46	24.0	2,560	1.9	-399.3	5.7	Clr, HC odor	Yes	Yes	Yes	Yes		SA	SA	SA	x						
MW-110	Monitoring	BRH/RJM	46			68	REST	13-Apr	1235	NP	15.62	0.00	29.74	13-Apr	1300	7.35	24.1	1,549	1.8	-316.6	6.5	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x						
MW-13	Monitoring	BRH				69	EP	13-Apr	1530	NP	12.80	0.00	21.10			Not in sampling program								Yes	Yes	Yes	Yes		SA	No sampling due to location N. of river							
MW-69	Monitoring	BRH				70	EP	13-Apr	1540	NP	11.42	0.00	22.51			Not in sampling program								Yes	Yes	Yes	Yes		SA	No sampling due to location N. of river							
MW-12	Monitoring	BRH				71	EP	13-Apr	1550	NP	10.51	0.00	17.93			Not in sampling program								Yes	Yes	Yes	Yes		SA	No sampling due to location N. of river							
MW-24	Monitoring	BRH				72	EP	13-Apr	1605	NP	12.20	0.00	23.51			Not in sampling program								Yes	Yes	Issue	Yes		SA	No sampling due to location E. of river							
MW-14	Monitoring	BRH				73	EP	13-Apr	1610	NP	>11.81	0.00	>11.81			Not in sampling program								Yes	Issue	Yes	Yes		SA	No sampling due to location N. of river							
RW-12	Recovery ^d						Field E of Refinery			Not in gauging program						Not in sampling program													-	-	-	-	-	-	-	-	-
RW-12R	Recovery ^d	BTB		6		74	REST	13-Apr	1520	27.65	28.80	1.15	NM			No sampling (LNAPL 0.03' or greater)							Yes	Yes	Yes	Yes	Y	SA	A	A	x						
MW-113	Monitoring	BTB/GDS	47			75	REST	13-Apr	1635	NP	26.99	0.00	37.80	13-Apr	1700	6.72	20.8	3,020	1.6	-24.7	5.1	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x						
KWB-8	Monitoring	BTB		7		76	REST	13-Apr	1415	26.60	29.42	2.82	35.80			No sampling (LNAPL 0.03' or greater)							Yes	Yes	Yes	Yes	Y	SA	SA	SA	x						
RW-22	Recovery ^d	BTB		8		77	REST	13-Apr	1405	28.58	28.68	0.10	NM			No sampling (LNAPL 0.03' or greater)							Yes	Yes	Yes	Yes	Y	SA	A	A	x						
RW-20A	Recovery ^d	BTB			1	78	REST	13-Apr	1820	Dry	Dry	NM	21.98			(Historical LNAPL - Top of fmr recov. pump @ 20.65 ft-toc)						Yes	Yes	Yes	Yes	Y	SA	A	A	x							
RW-20B	Recovery ^d	BTB			2	79	REST	13-Apr	1825	Dry	Dry	NM	NM			(Historical LNAPL)							Yes	Yes	Yes	Yes	Y	SA	A	A	x						
RW-13	Recovery ^d						Field E of Refinery			Not in gauging program						Not in sampling program											Y	-	-	-	-	-	-	-	-	-	
RW-13R	Recovery ^d	BTB		9		80	REST	13-Apr	1530	25.60	26.46	0.86	NM			No sampling (LNAPL 0.03' or greater)							Yes	Yes	Yes	Yes	Y	SA	A	A	x						
RW-14	Recovery ^d						Field E of Refinery			Not in gauging program						Not in sampling program											Y	-	-	-	-	-	-	-	-	-	
RW-14R	Recovery ^d	BTB		10		81	REST	13-Apr	1540	22.55	25.47	2.92	NM			No sampling (LNAPL 0.03' or greater)							Yes	Yes	Yes	Yes	Y	SA	A	A	x						
MW-133	Monitoring	BTB		11		82	REST	13-Apr	1550	22.44	23.31	0.87	37.64			No sampling (LNAPL 0.03' or greater)							Yes	Yes	Yes	Yes	Y	SA	SA	SA	x						
MW-134	Monitoring	BTB/GDS	48			83	REST	13-Apr	1500	NP	19.69	0.00	32.95	13-Apr	1525	6.65	24.0	6,770	1.3	54.8	6.6	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x						
RA-4798	Irrigation	BTB	49			84	REST	13-Apr	No gauge @ irrigation well						13-Apr	1745	7.29	22.8	2,642	4.2	-23.8	2.2	Clear	NA	NA	NA	Yes		NA	SA	SA	x					
RA-4196	Irrigation	BTB				85	REST	13-Apr	No gauge @ irrigation well								Electrical pump-outage; pump is shorted; no power, per historical						NA	NA	NA	Yes		NA	SA	SA	x						
RA-1227	Irrigation	BTB				86	REST									Removed from program by Navajo, 4-13-15											NA										
RA-3156	Irrigation	BTB	50			87	REST	13-Apr	No gauge @ irrig well (not used - sl. elvated SC, per					13-Apr	1350	7.21	21.4	3,590	5.9	8.2	121.0	Brown, clr	NA	NA	NA	Yes		NA	A	A	x						
RA-313	Irrigation	BTB	51			88	REST	12-Apr	No gauge @ irrigation well						13-Apr	1145	8.09	22.7	1,702	4.1	118.3	1.8	Clear	NA	NA	NA	Yes		NA	A	A	x					
KWB-7	Monitoring	BTB	52			89	REST	13-Apr	1255	NP	25.93	0.00	34.83	13-Apr	1320	6.79	22.2	3,650	0.7	-262.7	1.3	Clr, HC odor	Yes	Yes	Yes	Yes		SA	SA	SA	x						
MW-20	Monitoring	BTB	53			91	TMD	13-Apr	1530	NP	17.59	0.00	26.66	13-Apr	1600	6.76	22.6	4,540	1.7	21.0	4.7	Clear	Yes	Yes	Yes	Yes		SA	A	A	x						
NP-3	Monitoring	BTB				92	TMD	13-Apr	1800	NP	19.61	0.00	21.59			Not in sampling program							Yes	Yes	Yes	Yes		SA	Not in sampling program								
NP-4	Monitoring	BTB				93	TMD	13-Apr	1635	NP	32.39	0.00	36.98			Not in sampling program							Yes	Yes	Yes	Yes		SA	Not in sampling program								
NP-2	Monitoring	BTB				94	TMD	13-Apr	1810	NP	19.54	0.00	21.49			Not in sampling program							Yes	Yes	Yes	Yes		SA	Not in sampling program								

Table 1: Gauging Data, Groundwater Field Parameters and Well Inspections, 1H22
Navajo Refining Company - Artesia Refinery, Artesia, New Mexico

Well ID	Well Type	HMI Use	HMI Use (# Sampled Wells)	# wells with LNAPL	# dry wells	HMI Use (Field-Strategy)	Location			Hydrologic Monitoring-Collected Data (Gauging/Groundwater Field Parameter/Well Inspection)																		PSH Expected?	Gauging Frequency	GW Sampling Frequency / Analysis per COC							
								Gauge Date	Gauge Time	Depth to LNAPL (ft btoc)	Depth to Water (ft btoc)	LNAPL Column (ft)	Total Depth (ft btoc)	Sample Date	Sample Time	pH (S.U.)	T (C)	Spec. Cond. (umho/cm)	D. O. (mg/l)	ORP (mg/l)	Turb. (NTU)	Water Clarity	Cap	Casing	Well Secured	Label	Purge Parameters			General Sampling Frequency	(Analysis per COC)						
NP-1	Monitoring	BTB	54			95	TMD	12-Apr	1600	NP	20.03	0.00	21.88	12-Apr	1625	6.72	21.6	4,450	1.8	182.3	1.0	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x						
NP-6	Monitoring	BTB				96	TMD	13-Apr	1700	NP	17.29	0.00	20.35			6.53	18.1	5,350	2.2	471.1	3.4	Clear	Yes	Yes	Yes	Yes		SA	B	B	x						
MW-8	Monitoring	BTB	55			97	TMD	12-Apr	1635	NP	17.95	0.00	23.30	12-Apr	1700	6.81	20.4	6,060	0.9	172.7	16.0	Clear	Yes	Yes	Yes	Yes		SA	A	A	x						
MW-21	Monitoring	BTB/GDS	56			98	TMD	12-Apr	1540	NP	17.19	0.00	25.12	12-Apr	1605	6.84	21.3	5,970	1.1	439.3	14.6	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x						
MW-9	Monitoring	BTB				99	TMD	13-Apr	1645	NP	18.54	0.00	22.25			Not in sampling program							Yes	Yes	Yes	Yes		SA	Not in sampling program								
MW-71	Monitoring	BTB	57			100	TMD	12-Apr	1515	NP	18.82	0.00	21.67	12-Apr	1540	6.88	20.4	6,540	2.0	132.9	2.0	Clear	Yes	Yes	Cracked pad	Yes		SA	A	A	x						
MW-68	Monitoring	BTB	58			101	TMD	12-Apr	840	NP	23.74	0.00	26.52	12-Apr	905	6.82	21.3	3,260	3.6	106.1	2.5	Clear	Yes	Yes	Yes	Yes		SA	A	A	x						
MW-27	Monitoring	BTB	59			102	TMD	12-Apr	930	NP	20.83	0.00	30.28	12-Apr	955	6.94	20.8	2,250	1.6	120.1	3.2	Clear	Yes	Yes	Yes	Yes		SA	A	A	x						
MW-89	Monitoring	BTB	60			103	TMD	12-Apr	1110	NP	14.37	0.00	20.28	12-Apr	1135	6.99	19.2	3,030	1.4	87.2	4.3	Clear	Yes	Yes	Yes	Yes		SA	A	A	x						
MW-16	Monitoring	BTB	61			104	TMD	12-Apr	1205	NP	12.02	0.00	21.24	12-Apr	1230	7.07	19.0	4,430	2.1	91.8	2.9	Clear	Yes	Yes	Yes	Yes		SA	A	A	x						
MW-26	Monitoring	BTB	62			105	TMD	12-Apr	1020	NP	13.87	0.00	27.58	12-Apr	1045	6.98	19.5	6,360	1.3	88.6	1.6	Clear	Yes	Yes	Yes	Yes		SA	A	A	x						
KWB-11A	Monitoring	BTB		12		106	REST	13-Apr	1645	26.93	26.98	0.05	42.27			No sampling (LNAPL 0.03' or greater)							Yes	Yes	Yes	Yes	Y	SA	SA	SA	x						
KWB-11B	Monitoring	BTB	63			107	REST	13-Apr	1700	NP	27.67	0.00	72.45	13-Apr	1725	6.88	21.9	3,450	1.0	22.3	5.5	Clear	Yes	Yes	Cracked pad	Yes		SA	SA	SA	x						
KWB-3AR	Monitoring	BTB				108	REST									Removed from program by Navajo, 4-13-15 (no access, farmer Jack Joy, 575-365-6042)																					
MW-115	Monitoring	BTB	64			109	REST	13-Apr	1035	NP	18.37	0.00	27.50	13-Apr	1100	6.70	25.6	4,660	2.1	140.3	0.8	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x						
MW-114	Monitoring	BTB	65			110	REST	13-Apr	830	NP	17.33	0.00	38.25	13-Apr	855	6.82	21.5	2,856	2.2	95.6	1.6	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x						
MW-125	Monitoring	BTB	66			111	REST	13-Apr	930	NP	20.64	0.00	28.31	13-Apr	955	6.71	23.8	4,460	2.4	131.2	3.9	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x						
MW-117	Monitoring	GDS/OJD	67			112	REST	12-Apr	1340	NP	15.90	0.00	27.22	12-Apr	1405	6.95	23.3	3,810	3.6	7.5	8.8	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x						
MW-118	Monitoring	GDS/OJD	68			113	REST	12-Apr	1255	NP	20.11	0.00	28.29	12-Apr	1320	7.11	23.2	3,970	3.4	95.6	8.3	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x						
NP-9	Monitoring	GDS				114	TMD	12-Apr	1425	NP	19.26	0.00	25.65			Not in sampling program							Yes	Yes	Needs lock	Yes		SA	Not in sampling program								
MW-119	Monitoring	GDS	69			115	REST	12-Apr	1210	NP	19.09	0.00	28.11	12-Apr	1235	7.06	21.8	4,410	2.7	90.7	9.9	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x						
NP-5	Monitoring	GDS				116	REST	12-Apr	1311	NP	19.51	0.00	25.09			6.87	19.0	6,430	2.2	141.7	19.9	Clear	Yes	Yes	Yes	Yes		SA	B	B	x						
MW-136	Monitoring	GDS	70			117	REST	12-Apr	1220	NP	18.89	0.00	27.90	12-Apr	1250	6.84	21.4	4,030	0.7	115.7	20.6	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x						
MW-126A	Monitoring	GDS		13		118	REST	12-Apr	1037	21.71	22.02	0.31	37.51			No sampling (LNAPL 0.03' or greater)							Yes	Yes	Yes	Yes	Y	SA	SA	SA	x						
MW-126B	Monitoring	GDS	71			119	REST	12-Apr	1045	NP	21.69	0.00	51.43	12-Apr	1110	6.67	22.5	3,560	0.8	130.1	12.0	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x						
MW-127	Monitoring	GDS		14		120	REST	12-Apr	1023	23.73	25.24	1.51	53.21			No sampling (LNAPL 0.03' or greater)							Yes	Yes	Yes	Yes	Y	SA	SA	SA	x						
MW-129	Monitoring	GDS				121	REST	12-Apr	Not located				50.78	* Graded-over for road construction?; unable to locate under gravel, reported to Navajo								Yes	Yes	Yes	Yes	Y	SA	A	A	x							
KWB-1A	Monitoring	GDS		15		123	REST	12-Apr	927	18.97	19.19	0.22	33.50			No sampling (LNAPL 0.03' or greater)							Yes	Yes	Yes	Yes	Y	SA	SA	SA	x						
KWB-1B	Monitoring	GDS		16		124	REST	12-Apr	931	20.70	21.09	0.39	33.92			Not in sampling program							Yes	Yes	Yes	Yes	Y	SA	Not in sampling program								
KWB-1C	Monitoring	GDS	72			125	REST	12-Apr	935	NP	21.36	0.00	52.71			6.60	20.0	5,660	1.1	141.6	23.2	Clear	Yes	Yes	Yes	Yes		SA	B	B	x						
KWB-10R	Monitoring	GDS		17		126	REST	12-Apr	940	20.10	22.49	2.39	29.46			No sampling (LNAPL 0.03' or greater)							Yes	Yes	Yes	Yes	Y	SA	SA	SA	x						
MW-131	Monitoring	GDS		18		127	REST	12-Apr	1010	26.54	28.09	1.55	53.35			No sampling (LNAPL 0.03' or greater)							Yes	Yes	Yes	Yes	Y	SA	SA	SA	x						

Table 1: Gauging Data, Groundwater Field Parameters and Well Inspections, 1H22
Navajo Refining Company - Artesia Refinery, Artesia, New Mexico

Well ID	Well Type	HMI Use	HMI Use (# Sampled Wells)	# wells with LNAPL	# dry wells	HMI Use (Field-Strategy)	Location			Hydrologic Monitoring-Collected Data (Gauging/Groundwater Field Parameter/Well Inspection)																	PSH Expected?	Gauging Frequency	GW Sampling Frequency / Analysis per COC								
								Gauge Date	Gauge Time	Depth to LNAPL (ft btoc)	Depth to Water (ft btoc)	LNAPL Column (ft)	Total Depth (ft btoc)	Sample Date	Sample Time	pH (S.U.)	T (C)	Spec. Cond. (umho/cm)	D. O. (mg/l)	ORP (mg/l)	Turb. (NTU)	Water Clarity	Cap	Casing	Well Secured	Label			Purge Parameters	General Sampling Frequency	(Analysis per COC)						
KWB-5	Monitoring	GDS/OJD		19		128	REST	12-Apr	900	26.64	28.51	1.87	37.68			No sampling (LNAPL 0.03' or greater)						Yes	Yes	Yes	Yes	Y	SA	SA	SA	x							
MW-111	Monitoring	GDS/OJD		20		129	REST	12-Apr	908	27.92	28.54	0.62	40.83			No sampling (LNAPL 0.03' or greater)						Yes	Yes	Yes	Yes	Y	SA	SA	SA	x							
KWB-6	Monitoring	GDS		21		130	REST	12-Apr	957	25.50	27.90	2.40	36.44			No sampling (LNAPL 0.03' or greater)						Yes	Yes	Yes	Yes	Y	SA	SA	SA	x							
MW-112	Monitoring	GDS		22		131	REST	12-Apr	946	24.56	26.85	2.29	37.54			No sampling (LNAPL 0.03' or greater)						Yes	Yes	Yes	Yes	Y	SA	SA	SA	x							
MW-132	Monitoring	GDS		23		132	REST	12-Apr	951	>23.50	>23.50	NM	42.66			Navajo skimmer pump in well; no sampling (historical LNAPL)				Yes	Yes	Yes	Yes	Y	SA	SA	SA	x									
MW-57	Monitoring	GDS/OJD	73			133	REST	12-Apr	1110	NP	26.48	0.00	34.32	12-Apr	1135	6.82	24.5	4,360	3.6	55.2	9.1	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x						
RW-#11-0 ^e	Recovery ^d	GDS			3	134	REST	12-Apr	1145	Dry	Dry	NM	22.20			No sampling (Well dry)						Yes	Yes	Issue	Yes	Y	SA	A	A	x							
KWB-9	Monitoring	GDS				135	REST			(Historically-obstructed @ 15.11')						Removed from program by Navajo, 4-26-16 (farmer Jack Joy, 575-365-6042)																					
KWB-12A	Monitoring	GDS/OJD			4	136	REST	12-Apr	1055	Dry	Dry	NM	25.03			No sampling (Well dry)						Yes	Yes	Yes	Yes		SA	SA	SA	x							
KWB-12B	Monitoring	GDS/OJD	74			137	REST	12-Apr	1000	NP	29.31	0.00	39.39	12-Apr	1025	6.89	20.3	4,080	4.0	79.8	6.2	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x						
KWB-2R	Monitoring	GDS/OJD		24		138	REST	13-Apr	1100	25.43	25.55	0.12	39.39			No sampling (LNAPL 0.03' or greater)						Yes	Yes	Issue	Yes	Y	SA	SA	SA	x							
MW-58	Monitoring	GDS/OJD		25		139	REST	12-Apr	920	24.45	25.35	0.90	33.06			No sampling (LNAPL 0.03' or greater)						Yes	Yes	Yes	Yes	Y	SA	SA	SA	x							
KWB-13	Monitoring	GDS	75			140	REST	12-Apr	1330	NP	29.00	0.00	33.10	12-Apr	1400	6.83	21.0	4,140	4.8	168.2	>200	Cloudy, tan	Yes	Yes	Yes	Yes		SA	A	A	x						
MW-103	Monitoring	SCU	76			141	REST	13-Apr	1020	NP	17.80	0.00	25.22	13-Apr	1045	7.14	23.6	13,430	1.7	-306.7	19.8	Clear	Yes	Yes	Yes	Yes		SA	A	A	x						
MW-104	Monitoring	SCU	77			142	REST	13-Apr	930	NP	13.02	0.00	21.97	13-Apr	955	7.11	17.5	1,458	0.7	-281.6	2.9	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x						
MW-64	Monitoring	SCU	78			143	REST	13-Apr	1355	NP	21.31	0.00	34.08	13-Apr	1425	6.92	25.5	2,540	0.7	-312.7	18.6	Clear, odor	Yes	Yes	Yes	Yes		SA	SA	SA	x						
MW-65	Monitoring	SCU		26		144	REST	13-Apr	1335	18.70	19.62	0.92	28.78			No sampling (LNAPL 0.03' or greater)						Yes	Yes	Yes	Yes	Y	SA	SA	SA	x							
RW-5	Recovery ^d						S Refinery			Not in gauging program						Not in sampling program									Y												
RW-5R	Recovery ^d	SCU		27		145	REST	13-Apr	1340	19.30	30.90	11.60	35.30			No sampling (LNAPL 0.03' or greater)						Yes	Yes	Yes	Yes	Y	SA	A	A	x							
MW-102	Monitoring	SCU	79			146	REST	13-Apr	1525	NP	16.31	0.00	26.45	13-Apr	1550	6.89	22.7	2,180	0.9	-338.6	6.2	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x						
RW-4	Recovery ^d	SCU	80			147	REST	13-Apr	1115	NP	18.84	0.00	36.62	13-Apr	1140	6.80	22.0	2,880	1.6	-303.9	19.0	Clear	Yes	Yes	Yes	Yes	Y	SA	A	A	x						
RW-6	Recovery ^d	SCU		28		148	REST	13-Apr	1100	15.53	16.02	0.49	34.90			No sampling (LNAPL 0.03' or greater)						Yes	Yes	Yes	Yes	Y	SA	A	A	x							
MW-99	Monitoring	SCU		29		149	REST	13-Apr	1310	20.86	21.32	0.46	27.80			No sampling (LNAPL 0.03' or greater)						Yes	Yes	Yes	Yes	Y	SA	SA	SA	x							
MW-66	Monitoring	SCU		30		150	REST	13-Apr	1305	19.92	20.12	0.20	29.80			No sampling (LNAPL 0.03' or greater)						Yes	Yes	Yes	Yes	Y	SA	SA	SA	x							
MW-28	Monitoring	SCU		31		151	REST	13-Apr	1255	21.03	21.50	0.47	27.82			No sampling (LNAPL 0.03' or greater)						Yes	Yes	Yes	Yes	Y	SA	SA	SA	x							
MW-59	Monitoring	SCU		32		152	REST	13-Apr	1220	17.97	18.46	0.49	32.72			No sampling (LNAPL 0.03' or greater)						Yes	Yes	Yes	Yes	Y	SA	A	A	x							
MW-60	Monitoring	SCU		33		153	REST	12-Apr	1525	19.22	19.70	0.48	37.78			No sampling (LNAPL 0.03' or greater)						Yes	Yes	Yes	Yes	Y	SA	SA	SA	x							
MW-107	Monitoring	SCU		34		154	REST	13-Apr	1235	17.51	18.42	0.91	19.05			No sampling (LNAPL 0.03' or greater)						Yes	Yes	Yes	Yes	Y	SA	A	A	x							
MW-128	Monitoring	SCU		35		155	REST	13-Apr	1204	19.38	22.07	2.69	35.35			No sampling (LNAPL 0.03' or greater)						Yes	Yes	Yes	Yes	Y	SA	SA	SA	x							
MW-116	Monitoring	SCU	81			156	REST	12-Apr	1535	NP	18.20	0.00	27.63	12-Apr	1600	6.77	20.8	4,020	1.5	95.2	5.7	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x						
MW-46R	Monitoring	SCU	82			157	TMD	12-Apr	1630	NP	15.68	0.00	19.36	12-Apr	1655	6.88	21.7	2,870	1.4	20.0	5.3	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x						
RW-#18A	Recovery	GDS to SCU			5	157.05	REST	12-Apr	930	Dry	Dry	NM	17.78			No sampling (Well dry)						Yes	Yes	Yes	Yes		SA	A	A	x							

Table 1: Gauging Data, Groundwater Field Parameters and Well Inspections, 1H22
Navajo Refining Company - Artesia Refinery, Artesia, New Mexico

Well ID	Well Type	HMI Use	HMI Use (# Sampled Wells)	# wells with LNAPL	# dry wells	HMI Use (Field-Strategy)	Location			Hydrologic Monitoring-Collected Data (Gauging/Groundwater Field Parameter/Well Inspection)																	PSH Expected?	Gauging Frequency	GW Sampling Frequency / Analysis per COC						
								Gauge Date	Gauge Time	Depth to LNAPL (ft btoc)	Depth to Water (ft btoc)	LNAPL Column (ft)	Total Depth (ft btoc)	Sample Date	Sample Time	pH (S.U.)	T (C)	Spec. Cond. (umho/cm)	D. O. (mg/l)	ORP (mg/l)	Turb. (NTU)	Water Clarity	Cap	Casing	Well Secured	Label			Purge Parameters	General Sampling Frequency	(Analysis per COC)				
MW-145	Monitoring	SCU	83			157.1	REST	12-Apr	935	NP	20.62	0.00	32.10	12-Apr	1005	6.75	21.0	4,670	2.1	102.1	6.4	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x				
MW-146	Monitoring	SCU	84			157.2	REST	12-Apr	1035	NP	23.38	0.00	33.40	12-Apr	1100	6.75	22.5	4,570	2.0	121.9	8.5	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x				
MW-135	Monitoring	GDS to SCU	85			157.25	REST	12-Apr	1200	NP	32.89	0.00	65.55	12-Apr	1225	6.78	22.2	5,710	5.9	105.7	22.8	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x				
MW-147	Monitoring	SCU	86			157.3	REST	12-Apr	1250	NP	33.80	0.00	39.83	12-Apr	1320	6.76	21.0	5,530	5.6	149.1	33.0	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x				
MW-148	Monitoring	SCU	87			157.4	REST	12-Apr	1355	NP	36.64	0.00	40.38	12-Apr	1410	6.95	22.1	3,690	6.0	125.1	110.0	Sl. Cloudy	Yes	Yes	Yes	Yes		SA	SA	SA	x				
UG-3R	Monitoring	SCU	88			158	REST	11-Apr	1745	NP	22.04	0.00	38.58	11-Apr	1810	6.80	21.3	2,810	5.8	145.0	4.1	Clear	Yes	Yes	Yes	Yes		A	A	A	x				
UG-4	Monitoring	SCU	89			159	REST	11-Apr	1635	NP	21.12	0.00	39.24	11-Apr	1710	6.75	21.6	3,980	2.4	136.8	22.9	Clear	Yes	Yes	Yes	Yes		A	A	A	x				
UG-1	Monitoring	SCU	90			160	REST	11-Apr	1600	NP	13.94	0.00	24.08	11-Apr	1625	6.94	23.6	3,430	4.3	140.9	14.7	Clear	Yes	Yes	Yes	Yes		A	A	A	x				
UG-2	Monitoring	SCU	91			161	REST	11-Apr	1505	NP	18.80	0.00	29.28	11-Apr	1530	7.18	23.5	2,260	6.4	146.4	4.5	Clear	Yes	Yes	Yes	Yes		A	A	A	x				
MW-101	Monitoring	TAB/RJM	92			162	REST	13-Apr	1420	NP	17.55	0.00	24.10	13-Apr	1445	7.03	23.1	1,624	1.4	-353.2	2.3	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x				
MW-105	Monitoring	TAB	93			163	REST	13-Apr	1330	NP	9.19	0.00	17.20	13-Apr	1355	7.13	20.8	1,980	1.0	-402.5	9.4	Clear, odor	Yes	Yes	Yes	Yes		SA	SA	SA	x				
RW-2	Recovery ^d	TAB		36		164	REST	13-Apr	1030	16.24	18.05	1.81	36.13			No sampling (LNAPL 0.03' or greater)						Yes	Yes	Yes	Yes	Y	SA	A	A	x					
MW-61	Monitoring	TAB	94			165	REST	13-Apr	1200	NP	12.97	0.00	29.30	13-Apr	1250	7.04	22.8	2,470	6.0	-423.1	7.7	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x				
MW-62	Monitoring	TAB/OJD	95	37		166	REST	12-Apr	1240	16.41	16.42	0.01	29.50	12-Apr	1305	7.09	24.5	2,900	1.4	-418.2	8.3	Clear	Yes	Yes	Yes	Yes	Y	SA	SA	SA	x				
MW-62R	Monitoring	TAB/OJD	96			166.1	REST	12-Apr	1340	NP	15.33	0.00	24.51	12-Apr	1405	6.82	23.5	2,120	1.4	-396.1	1.6	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x				
MW-93	Monitoring	TAB				167	REST	13-Apr	Not located			*	20.23	* Covered by construction-related gravel; unable to locate; reported to Navajo								Yes	Yes	Yes	Yes	Y	SA	A	A	x					
MW-43	Monitoring	TAB/RJM		38		168	REST	12-Apr	1100	15.31	15.81	0.50	19.67			No sampling (LNAPL 0.03' or greater)						Yes	Yes	Yes	Yes	Y	SA	SA	SA	x					
MW-137	Monitoring	TAB/RJM		39		169	REST	12-Apr	1120	12.42	13.31	0.89	29.60			No sampling (LNAPL 0.03' or greater)						Yes	Yes	Yes	Yes	Y	SA	SA	SA	x					
MW-137A	Monitoring	TAB/RJM		40		169.1	REST	12-Apr	1130	12.42	13.28	0.86	14.88			No sampling (LNAPL 0.03' or greater)						Yes	Yes	Yes	Yes	Y	SA	SA	SA	x					
MW-138	Monitoring	TAB/RJM		41		170	REST	12-Apr	1140	13.75	18.32	4.57	24.81			No sampling (LNAPL 0.03' or greater)						Yes	Yes	Yes	Yes	Y	SA	SA	SA	x					
MW-138A	Monitoring	TAB/RJM		42		170.1	REST	12-Apr	1150	13.13	14.14	1.01	15.03			No sampling (LNAPL 0.03' or greater)						Yes	Yes	Yes	Yes	Y	SA	SA	SA	x					
MW-23	Monitoring	TAB/OJD		43		171	REST	12-Apr	1200	17.05	18.65	1.60	23.10			No sampling (LNAPL 0.03' or greater)						Yes	Yes	Yes	Yes	Y	SA	SA	SA	x					
TEL-4	Monitoring	TAB	97			172	TEL	12-Apr	900	NP	13.62	0.00	27.27	12-Apr	925	6.70	23.8	2,740	1.0	-317.2	1.6	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x				
TEL-3	Monitoring	TAB		44		173	TEL	12-Apr	840	15.16	18.02	2.86	27.19			No sampling (LNAPL 0.03' or greater)						Yes	Yes	Yes	Yes	Y	SA	SA	SA	x					
TEL-2	Monitoring	TAB		45		174	TEL	12-Apr	820	16.14	19.05	2.91	27.20			No sampling (LNAPL 0.03' or greater)						Yes	Yes	Yes	Yes	Y	SA	SA	SA	x					
TEL-1	Monitoring	TAB		46		175	TEL	12-Apr	800	15.82	16.32	0.50	27.00			No sampling (LNAPL 0.03' or greater)						Yes	Yes	Yes	Yes	Y	SA	SA	SA	x					
MW-39	Monitoring	TAB/RJM		47		176	REST	12-Apr	1450	16.30	18.55	2.25	25.44			No sampling (LNAPL 0.03' or greater)						Yes	Yes	Yes	Yes	Y	SA	SA	SA	x					
MW-98	Monitoring	TAB	98			177	REST	12-Apr	1010	NP	12.81	0.00	25.60	12-Apr	1035	7.14	25.5	2,750	0.6	-408.9	3.5	Clear, odor	Yes	Yes	Yes	Yes		SA	SA	SA	x				
RW-10	Recovery ^d	TAB		48		178	REST	12-Apr	810	16.03	19.17	3.14	22.49			No sampling (LNAPL 0.03' or greater)						Yes	Yes	Yes	Yes	Y	SA	A	A	x					
MW-40	Monitoring	TAB		49		179	REST	13-Apr	800	14.76	18.73	3.97	24.75			No sampling (LNAPL 0.03' or greater)						Yes	Yes	Yes	Yes	Y	SA	A	A	x					
MW-41	Monitoring	TAB/RJM		50		180	REST	13-Apr	820	14.60	15.39	0.79	21.56			No sampling (LNAPL 0.03' or greater)						Yes	Yes	Yes	Yes	Y	SA	A	A	x					

Table 1: Gauging Data, Groundwater Field Parameters and Well Inspections, 1H22
Navajo Refining Company - Artesia Refinery, Artesia, New Mexico

Well ID	Well Type	HMI Use	HMI Use (# Sampled Wells)	# wells with LNAPL	# dry wells	HMI Use (Field-Strategy)	Location			Hydrologic Monitoring-Collected Data (Gauging/Groundwater Field Parameter/Well Inspection)																	PSH Expected?	Gauging Frequency	GW Sampling Frequency / Analysis per COC							
								Gauge Date	Gauge Time	Depth to LNAPL (ft btoc)	Depth to Water (ft btoc)	LNAPL Column (ft)	Total Depth (ft btoc)	Sample Date	Sample Time	pH (S.U.)	T (C)	Spec. Cond. (umho/cm)	D. O. (mg/l)	ORP (mg/l)	Turb. (NTU)	Water Clarity	Cap	Casing	Well Secured	Label			Purge Parameters	General Sampling Frequency	(Analysis per COC)					
RW-9	Recovery ^d	TAB/RJM	99			181	REST	13-Apr	840	NP	16.83	0.00	21.83	13-Apr	910	7.05	19.4	3,570	1.8	-380.4	12.1	Clear	Yes	Yes	Yes	Yes		SA	A	A	x					
MW-42	Monitoring	TAB	100			182	REST	12-Apr	1535	NP	17.09	0.00	24.32	12-Apr	1600	6.85	24.1	3,790	1.4	-312.5	4.7	Clear	Yes	Yes	Yes	Yes		SA	A	A	x					
MW-29	Monitoring	TAB	101			183	REST	12-Apr	1430	NP	22.36	0.00	24.22	12-Apr	1455	6.79	26.0	3,900	1.9	-150.1	3.9	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x					
RW-#16B	Recovery	TAB/RJM			6	184	REST	12-Apr	1500	Dry	Dry	NM	17.70			No sampling (Well dry)							Yes	Yes	Yes	Yes		SA	A	A	x					
MW-30	Monitoring	TAB				185	REST	13-Apr	1050	NP	18.87	0.00	23.50			Not in sampling program							Yes	Yes	Yes	Yes		SA	Not in sampling program							
MW-56	Monitoring	TAB	102			186	NCL	13-Apr	1000	NP	18.24	0.00	26.50	13-Apr	1035	6.82	20.1	2,870	1.4	-24.9	3.5	Clear	Yes	Yes	Yes	Yes		SA	A	A	x					
MW-49	Monitoring	TAB/RJM	103			187	TEL	13-Apr	1355	NP	13.14	0.00	33.07	13-Apr	1420	6.59	23.6	2,420	2.3	-313.8	6.8	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x					
MW-106	Monitoring	TAB/RJM				188	REST	13-Apr	1500	Not located			22.80	* Covered by construction-related gravel; unable to locate; reported to Navajo								Yes	Yes	Yes	Yes		SA	SA	SA	x						
MW-45	Monitoring	TAB	104			189	NCL	13-Apr	1225	NP	13.62	0.00	15.05	13-Apr	1250	6.72	20.5	4,510	1.1	-85.3	8.9	Clear	Yes	Yes	No lock	Yes		SA	SA	SA	x					
MW-139	Monitoring	RJM/BTA	105			190	REST	12-Apr	1340	NP	14.38	0.00	29.60	12-Apr	1410	7.05	24.5	2,950	0.9	-190.4	4.2	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x					
MW-50	Monitoring	RJM/BTA	106			191	REST	12-Apr	1235	NP	15.34	0.00	28.22	12-Apr	1300	6.82	24.1	7,610	1.2	-6.2	6.0	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x					
MW-97	Monitoring	RJM/BTA				192	REST	12-Apr	940	Not located		*	21.20	* Covered by construction-related gravel; near active crane; unable to search								Yes	Yes	Yes	Yes	Y	SA	SA	SA	x						
MW-92	Monitoring	RJM/BTA		51		193	REST	12-Apr	920	13.95	14.86	0.91	22.60			No sampling (LNAPL 0.03' or greater)						Yes	Yes	Yes	Yes	Y	SA	SA	SA	x						
RW-1	Recovery ^d	RJM/BTA		52		194	REST	12-Apr	905	14.84	14.90	0.06	35.39			No sampling (LNAPL 0.03' or greater)						Yes	Yes	Yes	Yes	Y	SA	A	A	x						
MW-91	Monitoring	RJM/BTA		53		195	REST	12-Apr	1115	14.08	14.21	0.13	25.35			No sampling (LNAPL 0.03' or greater)						Yes	Yes	Yes	Yes	Y	SA	SA	SA	x						
MW-90	Monitoring	RJM/BTA	107			196	REST	12-Apr	1240	NP	13.65	0.00	22.80	12-Apr	1310	6.78	21.9	3,330	1.2	-313.9	6.9	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x					
MW-96	Monitoring	RJM/BTA	108			197	REST	12-Apr	1125	NP	14.38	0.00	25.57	12-Apr	1200	6.79	22.9	1,885	1.3	-312.4	6.3	Clear	Yes	Yes	Issue	Yes	Y	SA	SA	SA	x					
MW-94	Monitoring	RJM/BTA		54		198	REST	12-Apr	900	17.18	19.70	2.52	23.45			No sampling (LNAPL 0.03' or greater)						Yes	Yes	Yes	Yes	Y	SA	SA	SA	x						
RW-8	Recovery ^d	RJM/BTA		55		199	REST	12-Apr	845	15.57	17.39	1.82	37.22			No sampling (LNAPL 0.03' or greater)						Yes	Yes	Yes	Yes	Y	SA	A	A	x						
MW-67	Monitoring	RJM/BTA		56		200	REST	12-Apr	830	13.79	15.62	1.83	27.30			No sampling (LNAPL 0.03' or greater)						Yes	Yes	Yes	Yes	Y	SA	SA	SA	x						
MW-95	Monitoring	RJM/BTA		57		201	REST	12-Apr	1040	16.38	17.03	0.65	25.37			No sampling (LNAPL 0.03' or greater)						Yes	Yes	Yes	Yes	Y	SA	A	A	x						
RW-7	Recovery ^d	RJM/BTA		58		202	REST	12-Apr	915	16.18	18.30	2.12	37.00			No sampling (LNAPL 0.03' or greater)						Yes	Yes	Yes	Yes	Y	SA	A	A	x						
NCL-34A	Monitoring	RJM/BTA		59		203	NCL	12-Apr	930	15.34	17.91	2.57	19.26			No sampling (LNAPL 0.03' or greater)						Yes	Yes	No lock	Yes	Y	SA	SA	SA	x						
NCL-33	Monitoring	RJM/BTA	109			204	NCL	12-Apr	1120	NP	14.54	0.00	19.60	12-Apr	1145	6.73	21.7	4,500	1.1	-32.7	12.2	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x					
NCL-44	Monitoring	RJM/BTA	110			205	NCL	12-Apr	945	NP	14.48	0.00	21.34	12-Apr	1010	6.79	21.5	2,820	1.0	-132.0	5.8	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x					
NCL-32	Monitoring	RJM/BTA	111			206	NCL	12-Apr	1035	NP	14.96	0.00	20.04	12-Apr	1100	7.24	21.6	2,890	1.0	-55.1	15.4	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x					
MW-108	Monitoring	RJM/BTA	112			207	NCL	12-Apr	1035	NP	17.94	0.00	27.74	12-Apr	1100	6.98	25.2	2,050	0.9	-334.9	7.0	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x					
NCL-31	Monitoring	RJM/BTA	113			208	NCL	12-Apr	1510	NP	15.11	0.00	20.16	12-Apr	1535	7.24	24.4	1,760	1.1	-65.9	12.8	Clear	Issue	Yes	Yes	Yes		SA	SA	SA	x					
MW-19	Monitoring	RJM/BTA				209	NCL	12-Apr	1450	NP	15.42	0.00	22.08			Not in sampling program							Yes	Yes	Yes	Yes		SA	Not in sampling program							
MW-55	Monitoring	RJM/BTA	114			210	NCL	12-Apr	1350	NP	16.20	0.00	26.85	12-Apr	1415	6.64	22.7	2,830	2.9	-132.6	6.4	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x					
RW-#17A	Recovery	RJM/BTA			7	211	REST	12-Apr	1200	Dry	Dry	NM	16.01			No sampling (Well dry)							Yes	Yes	Yes	Yes		SA	A	A	x					
MW-18	Monitoring	RJM/BTA	115			212	NCL	12-Apr	1205	NP	16.53	0.00	22.20	12-Apr	1230	6.96	21.7	2,940	1.3	-22.4	8.7	Clear	Yes	Yes	Yes	Yes		SA	A	A	x					

Table 1: Gauging Data, Groundwater Field Parameters and Well Inspections, 1H22
Navajo Refining Company - Artesia Refinery, Artesia, New Mexico

Well ID	Well Type	HMI Use	HMI Use (# Sampled Wells)	# wells with LNAPL	# dry wells	HMI Use (Field-Strategy)	Location			Hydrologic Monitoring-Collected Data (Gauging/Groundwater Field Parameter/Well Inspection)																	PSH Expected?	Gauging Frequency	GW Sampling Frequency / Analysis per COC							
										Depth to LNAPL (ft btoc)	Depth to Water (ft btoc)	LNAPL Column (ft)	Total Depth (ft btoc)	Sample Date	Sample Time	pH (S.U.)	T (C)	Spec. Cond. (umho/cm)	D. O. (mg/l)	ORP (mg/l)	Turb. (NTU)	Water Clarity	Cap	Casing	Well Secured	Label			Purge Parameters	General Sampling Frequency	(Analysis per COC)					
MW-54A	Monitoring	RJM/BTA	116			213	NCL	12-Apr	1525	NP	17.29	0.00	31.30	12-Apr	1550	6.53	25.3	2,540	1.8	52.3	4.1	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x					
MW-54B	Monitoring	RJM/BTA				214	NCL	12-Apr	1600	NP	17.32	0.00	46.80			6.54	21.8	1,870	1.6	3.1	5.9	Clear	Yes	Yes	Yes	Yes		SA	B	B	x					
NCL-49	Monitoring	RJM/BTA	117			215	NCL	12-Apr	1300	NP	20.89	0.00	32.18	12-Apr	1325	7.19	21.5	3,480	2.2	23.3	9.0	Clear	Yes	Yes	Yes	Yes		SA	SA	SA	x					
MW-53R	Monitoring	RJM/BTA	118			216	NCL	12-Apr	1405	NP	15.51	0.00	24.05	12-Apr	1430	7.26	24.1	2,350	1.4	22.2	18.6	Clear	Yes	Yes	Yes	Yes		SA	A	A	x					
KWB-P3	Monitoring						Field E of Refinery			Not in gauging program						Not in sampling program												Not included in monitoring program due to distance from impact								

Notes:

Abbreviations:

A = Annual (Mar/Apr event)

B = Biennial (starts Mar/Apr 2011)

BR = Bolton Road

DRO = Diesel Range Organics

E = East

EP = Evaporation Ponds

ft bgs = ft below ground surface

ft btoc = ft below top of casing

ft MSL = ft Mean Sea Level

GRO = Gasoline Range Organics

HR = Haldeman Road

in = inches

N = North

NA = Not accessible

NAPI = North API Separator

NCL = North Colony Landfarm

NE = Northeast

NW = Northwest

OCD = Oil Conservation District

PSH = Phase Separated Hydrocarbon

ROW = right of way

RR = Richey Road

S = South

SA = Semi-annual (Mar/Apr and Sep/Oct events)

SE = Southeast

SW = Southwest

TMD = Three Mile Ditch

TEL = Tetra Ethyl Lead Impoundment

UG = Upgradient

US285 = U.S. Highway 285

US82 = U.S. Highway 82

VOC = Volatile Organic Compounds

W = West

Y = Yes

- Groundwater analytical methods can include:
- Purge parameters to be measured and recorded in the field will include pH, temp, spec. cond., diss. oxy., and oxidation-reduction potential.
 - DRO by Method 8015Mod.
 - GRO by Method 8015Mod.
 - VOCs by Method 8260, to include methyl tert butyl ether (MTBE).
 - Total metals by Method 6010/6020 and/or 7470. Specific metals shown in heading, abbreviations from periodic chart (incl B, Cd, Co, U, per 3-7-16 State request).
 - Dissolved metals - same list as total metals but only analyzed during April event (field filtered by HMI)
 - Cyanide by Method SM4500.
 - Cations/anions to include Calcium, Potassium, and Sodium by Method 6010 or 6020 and Sulfate, Chloride and Fluoride by Method 300.
 - Nitrates/Nitrites as Nitrogen by Method 300.
 - Total Dissolved Solids by Method 2540C.
- "-" indicates parameter not required.

Recovery trenches 11, 15, 16, 17 and 18 have multiple vertical "wells". Gauging & sampling points are: RW #11-0, RW #15C, RW #16B, RW #17A and RW #18A.

= Well with recently gauged LNAPL (light nonaqueous phase liquid)

Note - groundwater samples are not collected from any well with LNAPL measured 0.03-ft thick, or greater

At wells scheduled for groundwater sampling (having LNAPL <0.03-ft, LNAPL will be removed, and well will be sampled



HYDROLOGIC MONITORING

JOB HAZARD ANALYSIS

Met Dolly (Shandell Roark)

Activity: Groundwater Sampling	4/11/22	Date: 4/12/22	4/13/22
		Project: Artesia GW Samp, 1H22	
Description of the work: Collect fluid level information and water samples from monitoring wells.		Site Supervisor: Scott Ude	
NOTE: All site workers have STOP WORK Authorization at any time site conditions change and/or become unsafe		Attendees Signatures:	
[Signatures]		[Signatures]	

Work Activity Sequence	Potential Health and Safety Hazards	Hazard Controls
• General Hazards	• Accidents due to lack of training	• All workers will complete Safety Council Basic Plus Training and all site-specific training. • All workers will complete OSHA 40-hr HAZWOPER training with yearly updates. • Workers will be trained prior to performing new activities. • Tailgate safety meetings will be held daily.
	• Head Injury	• ANSI-approved hard hats will be worn at all times, in the manner they were designed (brim forward, no modifications no ball caps, etc.) Bump hats and Cowboy hard hats are not permitted.
	• Hearing Damage	• Workers will wear hearing protection whenever voices must be raised above normal conversational speech or when noise levels exceed 85 decibels due to loud noise sources such as working near heavy equipment.
	• Hand Injury	• Leather gloves will be worn when handling

Work Activity Sequence	Potential Health and Safety Hazards	Hazard Controls
		sharp, rough, or slippery surfaces. • Appropriate gloves for chemicals will be worn per project HASP.
	• Injuries resulting from manual lifting	• Workers will be instructed in safe lifting techniques (keep back straight, bend at knees, keep load close to body, lift smoothly, and do not twist at the waist. • Split heavy loads into smaller loads when possible. • Stretch before doing task • Make sure the path of travel is clear prior to the lift.
	• Foot Injury	• Workers will wear sturdy leather safety-toed boots that reach the ankle at all times. • For wet conditions or for chemical hazards proper water resistant overboots or chemical resistant safety-toed boots must be worn.
	• Eye Injury	• Workers will wear protective eyewear with sideshields that meet ANSI Z-87 at all times. If the worker wears prescription eyeglasses they must meet the same criteria or wear ANSI Z-87 safety over glasses. • Workers must have immediate access to Chemical monogoggles. Retaining rings are not permitted.
	• Slips, trips, and falls	• Walking/working surfaces will be kept free of clutter, debris, and congestion to the greatest extent possible. • Personnel should be aware of wet/muddy surfaces and use caution. Use caution when traversing uneven ground.
	• Injuries associated with insects, snakes, spiders, alligators, and poisonous plants	• Workers will wear snake chaps, leggings or sturdy rubber knee high boots when walking in uncleared, grassy areas. • Workers will avoid walking in areas where snakes or alligators may hide. Always look ahead where you are walking for signs of either. Use caution when moving or lifting objects that could be used for cover. Never reach under or behind objects, or into other areas where snakes or alligators may hide. • Workers will use insect repellant for all types of biting / stinging insects. Use care when opening wells to avoid bites and / or stings. • Workers will always use the buddy system and have a means of contacting emergency

Work Activity Sequence	Potential Health and Safety Hazards	Hazard Controls
		aid if needed by cell phone or Radio. Workers will immediately wash any areas that were exposed to poisonous plants.
	Chemical Exposure	- MSDS will be kept onsite in a location that all workers can access. - All workers must know where the emergency rally point is located when an evacuation alarm sounds in the plant. - Workers will sign in and out when they arrive and leave the work area.
	Heat Stress	- All workers will take routine breaks in a cool, shaded area. - Workers will drink plenty of water throughout the day. - Workers will decrease intake of coffee and caffeinated soft drinks during working hours.
	Vehicle accidents	- All vehicles must be inspected for safe operation onsite. - Vehicle operators must have a valid driver's license and will be instructed in safe operations while on the site. - Seat belts will be worn by all occupants. - When backing, use the buddy system or get out and look at position of objects. - All vehicles must contain a fire extinguisher, first aid kit, evacuation map, and route to hospital (map/directions). - Drivers will observe and not exceed posted plant speed limits. - Cell phone use is prohibited in a moving vehicle (drivers only) - hands free device not permitted. - Use caution at railroad crossings. - Watch for pedestrians walking into driving lanes.
	Injury due to inclement weather	- Outdoor work will cease during extreme weather conditions, such as electrical storms, high wind, rain, and dangerous temperatures. - All equipment will be shut down when lightning is visible. - Workers will seek shelter indoors when possible or stay in vehicles.
Groundwater Sampling	Collect Measurements and Samples	All site workers will wear proper PPE to prevent exposure to groundwater.

Work Activity Sequence	Potential Health and Safety Hazards	Hazard Controls
	Using peristaltic pumps	All workers using peristaltic pumps should inspect the power cord for damage before and after each use.
	Fire extinguishers	Fire extinguishers should be on hand and inspected.
	Lifting	All workers should use proper lifting techniques when lifting objects. Mechanical assistance may be used to lift objects weighing over 50 pounds.
	Drive All Terrain Vehicles	- All workers that will drive All-Terrain Vehicles (ATVs) will follow site specific policies regarding use and operation of ATVs. - In addition, conditions of ATV use will be addressed on Safe Work Permit(s). - All workers will be trained in operating the ATV. - The maximum speed limit is 5 miles per hour. - Read owners manual prior to operating - ATVs are not made for multiple riders. Never carry anyone else on the ATV. - Stay seated at all times while ATV is in motion. - Do not operate the ATV on streets, highways or paved roads. - Driver must have a valid driver's license. - Driver exercise caution when loading and unloading ATV.

Gauge-only

Navajo Refining Company

Artesia Refinery
Artesia, New Mexico

Well: MW-6B

Event: JH22

Area of Concern: EP

Monitoring Well Purging and Sampling Record

<u>Completion</u>	<u>Casing</u>	<u>Diam.</u>	<u>Casing</u>	<u>Material</u>
At-Grade	2-in	✓	PVC	✓
Upright	✓	4-in	SS	—
Vault	—	Other	Other	—

Hydrologic Monitoring

for TRC

Houston, Texas

Initials: *mpp*

②

Well Inspection Information

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: MW-86

Event: 1422

Area of Concern: EP

Completion Casing Diam. Casing Material

At-Grade 2-in PVC ☒Upright ☒ 4-in ☒ SS ☐Vault ☐ Other ☐ Other ☐

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information

Initials: BRH

(4)

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake (Ft-TOC)	Well Inspection					Comments
							Cap	Casing	Well Secured	Label	Other	
4-13-22	1430	10.43	10.60	0.17	19.21	17.21	Yes	Yes	Yes	Yes		Weather: Sunny, 60s

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Water Color / Clarity	
			0.5								Low-flow groundwater sample: (A) peristaltic pump w/ ded tubing B) ded bladder pump C) non-ded bladder pump; or Standard groundwater sample: D) bailer due to limited column; or E) recovery well cycling sample F) irrigation well grab sample
			1.0								
			1.5								
			2.0								
			2.5								
			3.0								
			3.5								
			4.0								

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
		MW-86			Not	Sampled				Per COC	Per COC	Lab: Pace National, Mt. Juliet, TN

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Monitoring Well Purging and Sampling Record

Navajo Refining Company
Artesia Refinery
Artesia, New Mexico

Well: MW-84

Event: 1H22

Area of Concern: EP

Completion	Casing Diam.	Casing Material
At-Grade	2-in	PVC
Upright	4-in	SS
Vault	Other	Other

Hydrologic Monitoring
for TRC
Houston, Texas

Well Inspection Information

Initials: *mior*

⑦

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Monitoring Well Purging and Sampling Record

Navajo Refining Company
Artesia Refinery
Artesia, New Mexico

Well: MW-122
Event: 1H22
Concern: EP

Completion	Casing Diam.	Casing Material
At-Grade ☐	2-in ☒	PVC ☒
Upright ☒	4-in ☐	SS ☐
Vault ☐	Other ☐	Other ☐

Hydrologic Monitoring
for TRC
Houston, Texas

Well Inspection Information

Initials: *MPR*

(8)

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: MW-79

Event: 1422

Area of Concern: EP

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>

At-Grade	2-in	✓	PVC	✓
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Upright ✓ 4-in SS

Vault	Other	Other
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+E3-EP-04j

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information

Initials: WDP

11

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

(12)

[illegible]

+ EB-EP-DI

Hydrologic Monitoring
for TRC
Houston, Texas

13

Well Purging Record

Well Sampling Record

[illegible]

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: MW-73

Event: 1422.

Area of Concern: EP

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
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At-Grade 2-in PVC ✓

Upright ✓ 4-in ✓ SS

Vault Other Other

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information

Initials: *MEB*

14

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

15

[illegible]

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
At-Grade <u> </u> 2-in <u> </u> ✓	PVC <u> </u> ✓	
Upright <u> </u> ✓ 4-in <u> </u>	SS <u> </u>	
Vault <u> </u> Other <u> </u>	Other <u> </u>	

16

[illegible]

17

[illegible]

(18)

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Gauge Only

Navajo Refining Company
Artesia Refinery
Artesia, New Mexico

Well: OCD-7C

Event: 11422

Area of Concern: EP

Monitoring Well Purging and Sampling Record (Not in "Sampling" Program)

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
At-Grade ☐	2-in ☒	PVC ☒
Upright ☒	4-in ☐	SS ☐
Vault ☐	Other ☐	Other ☐

Hydrologic Monitoring
for TRC
Houston, Texas

Initials: WDP

21

Well Inspection Information

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Monitoring Well Purging and Sampling Record (Tool Co. locks gate by 5:00 PM)

Area of Concern: **REST**

Vault ☒ Other ☒ Other _____

Houston, Texas

22

[illegible]

23

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC ($\mu\text{mho/cm}$)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments Lab: Pace National, Mt. Juliet, TN
		MW-48								Per COC	Per COC	
No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample												

Monitoring Well Purging and Sampling Record

Navajo Refining Company
Artesia Refinery
Artesia, New Mexico

Well: MW-130

Event: 1422

Area of Concern: REST

Completion	Casing Diam.	Casing Material
At-Grade ☒	2-in ☒	PVC ☒
Upright ☐	4-in ☐	SS ☐
Vault ☐	Other ☐	Other ☐

Hydrologic Monitoring
for TRC
Houston, Texas

Well Inspection Information

Initials: RSM

24

[illegible]

Well Purging Record

* Bladder Pump installed 9/14/21 (HMI)

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

(Gauge to top of 1-in galvanized pipe)

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Well:

Rw-19

Artesia Refinery

Event:

11422

Artesia, New Mexico

Area of Concern:

REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
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At-Grade 2-in PVC

Upright 4-in SS

Vault ✓ Other ✓ Other ✓

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information

Initials: RTM

26

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake (Ft-TOC)	Well Inspection					Comments
							Cap	Casing	Well Secured	Label	Other	
4.13.22	1015	26.41	27.43	1.02	NM	10' off	yes	yes	yes	yes		Weather: Sunny 60's
						base as needed						

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Hydrologic Monitoring
for TRC
Houston, Texas

Initials: *MBR*

Well Purging Record

Well Sampling Record

[illegible]

Hydrologic Monitoring
for TRC
Houston, Texas

Initials: MDP

31

Well Purging Record

Well Sampling Record

[illegible]

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: MW-22A

Event: 1422

Area of Concern: EP

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>

At-Grade 2-in PVC ☒

Upright ☒ 4-in ☒ SS ☐

Vault	Other	Other
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+ DUP-EP-02

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information

Initials: BRH

(34)

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

Gauge Only

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: MW-22B

Event: 1422

Area of Concern: EP

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
-------------------	---------------------	------------------------

At-Grade 2-in ✓ PVC ✓

Upright ✓ 4-in SS

Vault ___ Other ___ Other ___

Hydrologic Monitoring

for TRC

Houston, Texas

Initials: BRH

35

Well Inspection Information

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: MW-4B

Event: 1H22

Area of Concern: FP

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
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At-Grade 2-in ☒ PVC ☒

Upright ✓ 4-in SS

Vault Other Other

Hydrologic Monitoring

for TRC

Houston, Texas

Initials: BA

39

Well Inspection Information

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

Gauge only
Navajo Refining Company
Artesia Refinery
Artesia, New Mexico

Monitoring Well Purging and Sampling Record

Well: MW-5B

Event: 11422

Area of Concern: EP

Completion	Casing Diam.	Casing Material
At-Grade ☐ 2-in ☒	PVC ☒	
Upright ☒ 4-in ☐	SS ☐	
Vault ☐ Other ☐	Other ☐	

Hydrologic Monitoring
for TRC
Houston, Texas

Well Inspection Information

Initials: *BA*

(41)

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Gauge Only

Monitoring Well Purging and Sampling Record

Navajo Refining Company
Artesia Refinery
Artesia, New Mexico

Well: MW-5C
Event: 1422
Concern: EP

Completion	Casing Diam.	Casing Material
At-Grade ☐ 2-in ☒	PVC ☒	
Upright ☒ 4-in ☐	SS ☐	
Vault ☐ Other ☐	Other ☐	

Hydrologic Monitoring
for TRC
Houston, Texas

Well Inspection Information

Initials: BA

42

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

Monitoring Well Purging and Sampling Record

Navajo Refining Company
Artesia Refinery
Artesia, New Mexico

Well: MW-7A

Event: 11422

Area of Concern: EP

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
At-Grade <u> </u>	2-in <u>✓</u>	PVC <u>✓</u>
Upright <u>✓</u>	4-in <u> </u>	SS <u> </u>
Vault <u> </u>	Other <u> </u>	Other <u> </u>

+ DUP-EP-01

Hydrologic Monitoring
for TRC
Houston, Texas

Initials: *BA*

43

Well Inspection Information

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

Gauge Only
Navajo Refining Company
Artesia Refinery
Artesia, New Mexico

Monitoring Well Purging and Sampling Record

Well: MW-7B
Event: 1422
Concern: EP

Completion	Casing Diam.	Casing Material
At-Grade ☐ 2-in ☒	PVC ☒	
Upright ☒ 4-in ☐	SS ☐	
Vault ☐ Other ☐	Other ☐	

Hydrologic Monitoring
for TRC
Houston, Texas

Well Inspection Information

Initials: *h*

44

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

Monitoring Well Purging and Sampling Record

Navajo Refining Company
Artesia Refinery
Artesia, New Mexico

Well: KWB-P4
Event: 1422
Concern: REST

Completion	Casing Diam.	Casing Material
At-Grade ☐	2-in ☒	PVC ☒
Upright ☒	4-in ☐	SS ☐
Vault ☐	Other ☐	Other ☐

Hydrologic Monitoring
for TRC
Houston, Texas

Well Inspection Information

Initials: BRH

47

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

6 range only
Navajo Refining Company
Artesia Refinery
Artesia, New Mexico Ar

Well: NP-8
Event: 1422
Concern: TMD

Completion	Casing Diam.	Casing Material
At-Grade ☐	2-in ☒	PVC ☒
Upright ☒	4-in ☐	SS ☐
Vault ☐	Other ☐	Other ☐

(Not in "Sampling" Program)
Hydrologic Monitoring
for TRC
Houston, Texas

Well Inspection Information

Initials: BRH

49

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake (Ft-TOC)	Well Inspection					Comments
							Cap	Casing	Well Secured	Label	Other	
4-13-22	1030	NP	13.37	0.00	714.95	NS	Yes	Issue	Yes	Yes		Weather: Sunny, 60s
					(Water Gauge)							

Well Purging Record

*Blockage at 1495' TOZ

[illegible]

Well Sampling Record

[illegible]

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: MW-15

Event: 11427

Area of Concern: EP

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
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At-Grade 2-in PVC ✓

Upright ✓ 4-in ✓ SS

Vault	Other	Other
-------	-------	-------

Hydrologic Monitoring

for TRC

Houston, Texas

Initials: BRH

(51)

Well Inspection Information

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Navajo Refining Company

Artesia Refinery
Artesia, New Mexico

Well: OCD-1R

Event: 11422

Area of Concern: EP

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>

At-Grade 2-in ✓ PVC ✓

Upright ☒ 4-in ☐ SS

Vault	Other	Other
-------	-------	-------

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information

Initials: BRH

52

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Change only

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: OCD-2B

Event: 1H22

Area of Concern:

EP

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
-------------------	---------------------	------------------------

At-Grade 2-in ☒ PVC ☒

Upright ☒ 4-in SS

Vault Other Other

Hydrologic Monitoring

for TRC

Houston, Texas

Initials: BRH

(54)

Well Inspection Information

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Gauge Only
Navajo Refining Company
Artesia Refinery
Artesia, New Mexico

Monitoring Well Purging and Sampling Record

Well: MW-11B

Event: 1422

Area of Concern: EP

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
At-Grade <u> </u>	2-in <u>✓</u>	PVC <u>✓</u>
Upright <u>✓</u>	4-in <u> </u>	SS <u> </u>
Vault <u> </u>	Other <u> </u>	Other <u> </u>

Hydrologic Monitoring
for TRC
Houston, Texas

Well Inspection Information

Initials: BRH

58

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02'; remove LNAPL, and collect groundwater sample

59

[illegible]

Monitoring Well Purging and Sampling Record

Navajo Refining Company
Artesia Refinery
Artesia, New Mexico

Well: MW-87

Event: 1422

Area of Concern: EP

Completion	Casing Diam.	Casing Material
At-Grade ☐ 2-in ☐	PVC ☒	
Upright ☒ 4-in ☒	SS ☐	
Vault ☐ Other ☐	Other ☐	

Hydrologic Monitoring
for TRC
Houston, Texas

Initials: BRH

60

Well Inspection Information

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Gauge only
Navajo Refining Company
Artesia Refinery
Artesia, New Mexico

Monitoring Well Purging and Sampling Record

Well: MW-183

Event: 1422

Area of Concern: EP

Completion	Casing Diam.	Casing Material
At-Grade ☐ 2-in ☒	PVC ☒	
Upright ☒ 4-in ☐	SS ☐	
Vault ☐ Other ☐	Other ☐	

Hydrologic Monitoring
for TRC
Houston, Texas

Initials: BRH

62

Well Inspection Information

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

Gauge only

Monitoring Well Purging and Sampling Record (Not in "Sampling" Program)

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: MW-18T

Event: 11422

Area of Concern: EP

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
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At-Grade 2-in ✓ PVC ✓

Upright ✓ 4-in SS

Vault Other Other

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information

Initials: **BKH**

63

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Hydrologic Monitoring
for TRC
Houston, Texas

64

Well Purging Record

Well Sampling Record

[illegible]

Driveway near bldg. A/C unit

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well:

MW-52

Event:

11422

Area of Concern:

REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
-------------------	---------------------	------------------------

At-Grade ✓ 2-in ✓ PVC ✓

Upright 4-in SS

Vault Other Other

Hydrologic Monitoring

for TRC

Houston, Texas

Initials: RJM

66

Well Inspection Information

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

E. side of blue bldg.

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: MW-109

Event: 1A22

Area of Concern: REST

Monitoring Well Purging and Sampling Record

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
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At-Grade ☒ 2-in ☒ PVC ☒

Upright 4-in SS

Vault ___ Other ___ Other ___

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information

Initials: R J m

67

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: MW-110

Event: 11422

Area of Concern: REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>

At-Grade ☒ 2-in ☒ PVC ☒

Upright 4-in SS

Vault Other Other

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information

Initials: RTM

(68)

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Gauge Only
Navajo Refining Company
Artesia Refinery
Artesia, New Mexico

Monitoring Well Purging and Sampling Record (Not in "Sampling" Program)

Located N. of river

Hydrologic Monitoring
for TRC
Houston, Texas

Well: MW-13
Event: 11422
Concern: EP

Completion	Casing Diam.	Casing Material
At-Grade <u> </u> 2-in <u> </u>	PVC	☒
Upright ☒ 4-in ☒	SS	<u> </u>
Vault <u> </u> Other <u> </u>	Other	<u> </u>

Well Inspection Information

Initials: BRH

69

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Gauge Only

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: MW-69

Event: 11422

Area of Concern: EP

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
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At-Grade 2-in PVC ✓

Upright ☒ 4-in ☒ SS

Vault Other Other

Located N. of river

Hydrologic Monitoring

for TRC

Houston, Texas

Initials: B RH

70

Monitoring Well Purging and Sampling Record (Not in "Sampling" Program)

Well Inspection Information

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

71

[illegible]

Gauge only
 Navajo Refining Company
 Artesia Refinery
 Artesia, New Mexico

Monitoring Well Purging and Sampling Record (Not in "Sampling" Program)

Well: MW-24

Event: 1422

Area of Concern: EP

Completion	Casing Diam.	Casing Material
At-Grade	2-in	PVC
Upright	4-in	SS
Vault	Other	Other

Located E. of river

Hydrologic Monitoring
for TRC
Houston, Texas

Well Inspection Information

Initials: BRH

72

[illegible]

Well Purging Record

→ Broken hasp/hinge

[illegible]

Well Sampling Record

[illegible]

[illegible]

Bagged tube; Sample via part if
Navajo Refining Company RW is active. Well:
Artesia Refinery Event:
Artesia, New Mexico Area of Concern:

Monitoring Well Purging and Sampling Record

RW-12R

Completion	Casing Diam.	Casing Material
At-Grade ☐	2-in ☐	PVC ☒
Upright ☐	4-in ☐	SS ☐
Vault ☒	Other <u>12-in</u>	Other ☐

(RW recently off due to water rights issue)

Hydrologic Monitoring
for TRC
Houston, Texas

Well Inspection Information

Initials: *THB*

74

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

+ Dup - Rest - 01
+ EB - Rest - 01

Hydrologic Monitoring

for TRC

Houston, Texas

Initials: BRH

75

Well Purging Record

Well Sampling Record

[illegible]

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: KWB-8

Event: 1H22

Area of Concern: REST

Completion Casing Diam. Casing Material

At-Grade 2-in ☒ PVC ☒Upright ☒ 4-in ☐ SS ☐Vault ☐ Other ☐ Other ☐

Hydrologic Monitoring

for TRC

Houston, Texas

L

Well Inspection Information

Initials: BB

76

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake (Ft-TOC)	Well Inspection					Comments
							Cap	Casing	Well Secured	Label	Other	
4/13/22	1415	26.60	29.42	2.82	35.80	30.8	Yes	Yes	Yes	Yes		Weather: Sunny 70's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Water Color / Clarity	
			0.5								Low-flow groundwater sample:
			1.0	Not Sampled due to LNAPL > 0.03							(A) peristaltic pump w/ ded tubing
			1.5								B) ded bladder pump
			2.0								C) non-ded bladder pump; or
			2.5								Standard groundwater sample:
			3.0								D) bailer due to limited column; or
			3.5								E) recovery well cycling sample
			4.0								F) irrigation well grab sample

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
		KWB-8								Per COC	Per COC	Lab: Pace National, Mt. Juliet, TN
												</

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: RW-22

Event: 1122

Area of Concern: REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
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At-Grade 2-in PVC ✓

Upright 4-in SS

Above-grade Vault ☒ Other 12-in Other

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information

Initials:

BV

77

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake (Ft-TOC)	Well Inspection					Comments
							Cap	Casing	Well Secured	Label	Other	
4/13/22	1405	26.58 (28.58)	28.88	0.10	NM	Sample part if RW active	YES	YES	YES	YES		Weather: Sunny 70's

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

(Historical LNAPL)

Navajo Refining Company
Artesia Refinery
Artesia, New Mexico **AR**

Well: RW-20A
Event: 1422
Concern: REST

Completion	Casing Diam.	Casing Material
At-Grade ☐	2-in ☐	PVC ☒
Upright ☐	4-in ☐	SS ☐
Vault ☒	Other <u>6-in</u>	Other ☐

metal roof canopy

RW-20A

----- Vault

RW-20B

Hydrologic Monitoring
for TRC
Houston, Texas

Well Inspection Information

Initials: **32**

78

[illegible]

Well Purging Record

* Likely well base @ 21.98' per Navajo

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

(Historical LNAPL)

79

[illegible]

81

[illegible]

④

Houston, Texas

(82)

Well Purging Record

Well Sampling Record[illegible]

Navajo Refining Company
Artesia Refinery
Artesia, New Mexico

Well: MW-134

Event: 1H22

Area of Concern: REST

Monitoring Well Purging and Sampling Record

Completion Casing Diam. Casing Material
At-Grade 2-in ☒ PVC ☒
Upright ☒ 4-in ☐ SS ☐
Vault ☐ Other ☐ Other ☐

+ Trip Blank - Rest-01
+ Dup - Rest - 03
+ EB - Rest - 03

Hydrologic Monitoring
for TRC
Houston, Texas

Well Inspection Information

Initials: RJM

(83)

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake (Ft-TOC)	Well Inspection					Comments
							Cap	Casing	Well Secured	Label	Other	
4.13.22	1500	NR	19.69	0.00	32.95	28.4	yes	yes	yes	yes		Weather: Sunny 70's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Water Color / Clarity	
4.13.22	1505	19.70	0.5	6.89	24.4	6840	2.7	49.4	16.9	Colourless/clear	Low-flow groundwater sample:
	1507	19.70	1.0	6.85	24.2	6820	2.1	47.5	12.4		(A) peristaltic pump w/ ded tubing
	1510	19.70	1.5	6.80	24.2	6810	1.8	50.7	9.2		B) ded bladder pump
	1512	19.70	2.0	6.74	24.1	6790	1.5	52.9	7.7		C) non-ded bladder pump; or
	1515	19.70	2.5	6.71	24.1	6780	1.4	53.8	7.2		Standard groundwater sample:
	1517	19.70	3.0	6.69	24.1	6780	1.4	54.6	7.4		D) bailer due to limited column; or
	1520	19.70	3.5	6.67	24.0	6770	1.4	54.5	6.9		E) recovery well cycling sample
	1522	19.70	4.0	6.65	24.0	6770	1.3	54.8	6.6		F) irrigation well grab sample

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
4.13.22	1525	MW-134	19.70	6.65	24.0	6770	1.3	54.8	6.6	Per COC	Per COC	Lab: Pace National, Mt. Juliet, TN
	1400	DUP-REST-03	19.70	6.65	24.0	6770	1.3	54.8	6.6	11	11	
	1550	EB-REST-03	NA							11	11	

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Hydrologic Monitoring
for TRC
Houston, Texas

85

[illegible]

Monitoring Well Purging and Sampling Record

Navajo Refining Company
Artesia Refinery
Artesia, New Mexico

Well: RA-3156
Event: 1H22
Concern: REST

Hydrologic Monitoring
for TRC
Houston, Texas

Irrigation well, must be turned on
by Chase Farms; unused, per
landowner (see below)

Initials: BR (87)

Hydrologic Monitoring
for TRC
Houston, Texas

Initials: **BR**

(87)

Well Inspection Information

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

E. of MW-101; across street

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Well: RA-313

Artesia Refinery

Event: 1422

Artesia, New Mexico

Area of Concern: REST

Irrigation and water-supply
purpose, per Navajo

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information

REST
(Screen: 904-1157)

Initials:

BR

(88)

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

(Pecan Grove)

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: KW B-7

Event: 1427

Area of Concern: REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
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At-Grade 2-in ✓ PVC ✓

Upright ☒ 4-in SS

Vault Other Other

Hydrologic Monitoring

for TRC

Houston, Texas

Initials: **B^B**

89

Monitoring Well Purging and Sampling Record

Well Inspection Information

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: MW-20

Event: 1427

Area of Concern: TMD

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
-------------------	---------------------	------------------------

At-Grade 2-in ✓ PVC ✓

Upright ☒ 4-in ☐ SS

Vault	Other	Other
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Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information

Initials:

ASM (91)

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Gauge Only
Navajo Refining Company
Artesia Refinery
Artesia, New Mexico

Monitoring Well Purging and Sampling Record (Not in "Sampling" Program)

Well: NP-3

Event: 1422

Area of Concern: TMD

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
-------------------	---------------------	------------------------

At-Grade 2-in ☒ PVC ☒

Upright ✓ 4-in SS

Vault Other Other

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information

Initials: BD / ASM (92)

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

Houston, Texas

93

[illegible]

94

Initials: **BD**

[illegible]

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Well: NP-1

Artesia Refinery

Event: 11422

Artesia, New Mexico

Area of Concern: TMD

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
-------------------	---------------------	------------------------

At-Grade 2-in ✓ PVC ✓

Upright ✓ 4-in SS

Vault Other Other

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information

Initials: AD

95

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake (Ft-TOC)	Well Inspection					Comments
							Cap	Casing	Well Secured	Label	Other	
4/12/22	1500	NP	20.03	0.00	21.88	19.6	Yes	Yes	Yes	Yes		Weather Sunny, windy, 80's
						Base of well						

Well Purging Record

* Lowered to base of well due to water column (permanent change)

[illegible]

Well Sampling Record

[illegible]

Gauge Only

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Well: NP-6

Artesia Refinery

Event: 1122

Artesia, New Mexico

Area of Concern: TMD

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
-------------------	---------------------	------------------------

At-Grade 2-in ✓ PVC ✓

Upright ☒ 4-in ☐ SS ☐

Vault Other Other

Hydrologic Monitoring

for TRC

Houston, Texas

Initials:

ASn

(96)

Well Inspection Information

[illegible]

Well Purging Record

(~6' deeper than 9/14/21 data...)

[illegible]

Well Sampling Record

[illegible]

Monitoring Well Purging and Sampling Record

* Trip Blank - TMD-01

Navajo Refining Company

Well: MW-21

Artesia Refinery

Event: 1H22

Artesia, New Mexico

Area of Concern: TMD

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
-------------------	---------------------	------------------------

At-Grade 2-in PVC ☒

Upright ✓ 4-in ✓ SS

Vault Other Other

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information

Initials: **WS**

98

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

Gauge only

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: MW-9

Event: 11422

Area of Concern: TMD

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>

At-Grade 2-in ✓ PVC ✓

Upright ✓ 4-in SS

Vault Other Other

(Not in "Sampling" Program)

Hydrologic Monitoring

for TRC

Houston, Texas

Initials: ASM

(99)

Well Inspection Information

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Hydrologic Monitoring
for TRC
Houston, Texas

100

- * (Lowered to well base, permanently)

Well Sampling Record

[illegible]

Hydrologic Monitoring
for TRC
Houston, Texas

101

[illegible]

(102)

Well Purging Record

Well Sampling Record

[illegible]

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: MW-89

Event: 1422

Area of Concern: TMD

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
-------------------	---------------------	------------------------

At-Grade 2-in PVC ✓

Upright ☒ 4-in ☒ SS ☐

Vault Other Other

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information

Initials: *BB*

103

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

(104)

[illegible]

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: MW-26

Event: 11422

Area of Concern: TMD

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
-------------------	---------------------	------------------------

At-Grade 2-in ☒ PVC ☒

Upright ☒ 4-in SS

Vault	Other	Other
-------	-------	-------

Hydrologic Monitoring

for TRC

Houston, Texas

Initials: **KB**

105

Well Inspection Information

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Well: KwB-11A

Artesia Refinery

Event: 1422

Artesia, New Mexico

Area of Concern: REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
-------------------	---------------------	------------------------

At-Grade 2-in PVC ☒

Upright ✓ 4-in ✓ SS

Vault Other Other

Hydrologic Monitoring

for TRC

Houston, Texas

Initials:

(106)

Well Inspection Information

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Removed from Program by Navajo,
4-13-15

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: KW3-3AR

Event: 11422

Area of Concern: REST

Monitoring Well Purging and Sampling Record (Former JACK JOY 575-365-6042)

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
-------------------	---------------------	------------------------

At-Grade ☒ 2-in ☒ PVC ☒

Upright 4-in SS

Vault Other Other

Hydrologic Monitoring

for TRC

Houston, Texas

Initials:

108

Well Inspection Information

[illegible]

Well Purging Record

Date	Time	Depth to Water (ft-TOS)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Water Color / Clarity	
			0.5								
			1.0								Low-flow groundwater sample:
			1.5								A) peristaltic pump w/ ded tubing
			2.0								B) ded bladder pump
			2.5								C) non-ded bladder pump; or
			3.0								Standard groundwater sample:
			3.5								D) bailer due to limited column; or
			4.0								E) recovery well cycling sample
											F) irrigation well grab sample

DO NOT ADDRESS

(Per Holly do not go on properly)
(Legal issues)

Take Photo in 1H22

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

ATV- S. Ro Field

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Well: MW-115

Artesia Refinery

Event: 11422

Artesia, New Mexico

Area of Concern: REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>

At-Grade 2-in ☒ PVC ☒

Upright ☒ 4-in SS

Vault	Other	Other
-------	-------	-------

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information

Initials: *SS*

109

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

ATV - S. RG Field

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: MW-114

Event: 1422

Area of Concern: REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>

At-Grade 2-in ☒ PVC ☒

Upright ☒ 4-in SS

Vault	Other	Other
-------	-------	-------

Hydrologic Monitoring

for TRC

Houston, Texas

Initials: **SN**

110

Well Inspection Information

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

ATV - S. RO Field (mesquite !!)

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Well: MW-125

Artesia Refinery

Event: 1422

Artesia, New Mexico

Area of Concern: REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
-------------------	---------------------	------------------------

At-Grade 2-in ✓ PVC ✓

Upright ☒ 4-in ☐ SS

Vault Other Other

Hydrologic Monitoring

for TRC

Houston, Texas

Initials:

BD



Well Inspection Information

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Houston, Texas

112

[illegible]

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: MW-118

Event: 1422

Area of Concern: REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>

At-Grade 2-in ✓ PVC ✓

Upright ☒ 4-in ☐ SS

Vault Other Other

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information

Initials: OSD

113

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Gauge Only

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: NP-9

Event: 1422

Area of Concern: TMD

Monitoring Well Purging and Sampling Record (Not in "Sampling" Program)

Hydrologic Monitoring

for TRC

Houston, Texas

Initials: 057

114

Well Inspection Information

[illegible]

Well Purging Record

*NO LOCK present

[illegible]

Well Sampling Record

[illegible]

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: MW-119

Event: 1422

Area of Concern: REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
-------------------	---------------------	------------------------

At-Grade 2-in ✓ PVC ✓

Upright ✓ 4-in SS

Vault Other Other

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information

Initials: NT

(115)

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Gauge only

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: NP-5

Event: 1422

Area of Concern: REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
-------------------	---------------------	------------------------

At-Grade 2-in ✓ PVC ✓

Upright ✓ 4-in SS

Vault ___ Other ___ Other ___

Located inside locked gate. Hydrologic Monitoring
Security 575-746-5438 for TRC
to have gate unlocked Houston, Texas

Houston, Texas

116

Well Inspection Information

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Monitoring Well Purging and Sampling Record

Navajo Refining Company
Artesia Refinery
Artesia, New Mexico

Well: MW-136
Event: 1422
Concern: REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
At-Grade ☐	2-in ☒	PVC ☒
Upright ☒	4-in ☐	SS ☐
Vault ☐	Other ☐	Other ☐

Hydrologic Monitoring
for TRC
Houston, Texas

Well Inspection Information

Initials:

117

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

Monitoring Well Purging and Sampling Record

Navajo Refining Company
Artesia Refinery
Artesia, New Mexico *Ar*

Well: MW-126A

Event: IN22

Area of Concern: REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
At-Grade ☐	2-in ☒	PVC ☒
Upright ☒	4-in ☐	SS ☐
Vault ☐	Other ☐	Other ☐

Hydrologic Monitoring
for TRC
Houston, Texas

Initials:

(118)

Well Inspection Information

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

120

[illegible]

(121)

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Monitoring Well Purging and Sampling Record

Navajo Refining Company
Artesia Refinery
Artesia, New Mexico **Artesia, New Mexico**

Well: KWB-1A
Event: 1422
Concern: REST

Completion	Casing Diam.	Casing Material
At-Grade ☒	2-in ☒	PVC ☒
Upright ☐	4-in ☐	SS ☐
Vault ☐	Other ☐	Other ☐

Hydrologic Monitoring
for TRC
Houston, Texas

Well Inspection Information

Initials: *GOS*

123

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

Gauge only

Navajo Refining Company
Artesia Refinery
Artesia, New Mexico

Well: KWB-1B
Event: 1H22
Concern: REST

Completion	Casing Diam.	Casing Material
At-Grade ☐	2-in ☐	PVC ☒
Upright ☒	4-in ☒	SS ☐
Vault ☐	Other ☐	Other ☐

(L)

Hydrologic Monitoring
for TRC
Houston, Texas

Well Inspection Information

Initials: *ops*

(124)

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

②

127

[illegible]

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: KW3-5

Event: 1422

Area of Concern:

REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
-------------------	---------------------	------------------------

At-Grade 2-in ✓ PVC ✓

Upright ☒ 4-in SS

Vault Other Other

Hydrologic Monitoring

for TRC

Houston, Texas

Initials: OS

(128)

Well Inspection Information

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake (Ft-TOC)	Well Inspection					Comments
							Cap	Casing	Well Secured	Label	Other	
4-12-22	9:00	26.64	28.51	1.87	37.68	30.7	Yes	Yes	Yes	Yes		Weather: Sunny 70°s
						(if sampled)						

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

* Ded bladder pump removed by Novejo and misplaced 4/21. Itml did not reinstall due to consistent LWAFL present	Comments
---	----------

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Monitoring Well Purging and Sampling Record

Navajo Refining Company
Artesia Refinery
Artesia, New Mexico

Well: MW-111
Event: 1422
Concern: REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
At-Grade ☐	2-in ☒	PVC ☒
Upright ☒	4-in ☐	SS ☐
Vault ☐	Other ☐	Other ☐

Hydrologic Monitoring
for TRC
Houston, Texas

Well Inspection Information

Initials OSD

129

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

* Ded bladder pump removed by Navy and m. placed 4/21;
Hm did not reinstall due to consistent LNAFL present

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

(130)

[illegible]

Monitoring Well Purging and Sampling Record

Navajo Refining Company
Artesia Refinery
Artesia, New Mexico

Well: MW-112
Event: 1H22
Concern: REST

Completion	Casing Diam.	Casing Material
At-Grade ☐	2-in ☒	PVC ☒
Upright ☒	4-in ☐	SS ☐
Vault ☐	Other ☐	Other ☐

Hydrologic Monitoring
for TRC
Houston, Texas

Well Inspection Information

Initials:

131

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: MW-132

Event: 1122

Area of Concern: REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
-------------------	---------------------	------------------------

At-Grade 2-in ☒ PVC ☒

Upright ✓ 4-in SS

Vault Other Other

Hydrologic Monitoring

for TRC

Houston, Texas

Initials:

(132)

Well Inspection Information

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake (Ft-TOC)	Well Inspection					Comments
							Cap	Casing	Well Secured	Label	Other	
4/12/22	951	723.50	723.50	NM	42.66	NA	Yes	Yes	Yes	Yes		Weather: Sunny, 70's

Well Purging Record

4 TOP OF NAVAJO'S LUTAL SKINNER PUMP

[illegible]

Well Sampling Record

[illegible]

Located inside yellow vault; furthest South

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: MW-57

Event: 1H72

Area of Concern: REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
-------------------	---------------------	------------------------

At-Grade ✓ 2-in . PVC ✓

Upright 4-in ✓ SS

Vault Other Other

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information

Initials: 650

133

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

~ 32" corrugated stickup

Monitoring Well Purging and Sampling Record

Navajo Refining Company
Artesia Refinery
Artesia, New Mexico

Well: RW-#11-0

Event: 1H22

Area of Concern: REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
-------------------	---------------------	------------------------

At-Grade 2-in PVC

Upright ☒ 4-in ☐ SS ☐

Vault ☐ Other 32-in Other ☒ Corrugated pipe

Dry in 1H2 & 1H22

Hydrologic Monitoring
for TRC
Houston, Texas

134

Initials: 057

Well Inspection Information

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake (Ft-TOC)	Well Inspection					Comments
							Cap	Casing	Well Secured	Label	Other	
4-12-22	1145	NM (Dry)	NM (Dry)	NM (Dry)	22.20	NA	YES	YES	NO	YES		Weather: Sunny 70's
									*			

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

Until further notice, do not address in any way, per Navajo 4-26-16)

Monitoring Well Purging and Sampling Record (Farmer - Jack Jay, 575-365-6042)

Navajo Refining Company
Artesia Refinery
Artesia, New Mexico

Well: **KWB-9**
Event: **1H22**
Area of Concern: **REST**

Completion Casing Diam. Casing Material
At-Grade 2-in ☒ PVC ☒
Upright ☒ 4-in SS
Vault Other Other

Hydrologic Monitoring
for TRC
Houston, Texas

Well Inspection Information (Historically - well casing obstructed @ 15.11')

Initials: **lps** **(135)**

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake (Ft-TOC)	Well Inspection					Comments
							Cap	Casing	Well Secured	Label	Other	
4/12/22	1027	NM	NM	NM	NM	NA	---	---	---	---	---	Weather: Sunny, 70's

Well Purging Record

Date	Time	Depth to Water (Ft-TOC)	Cum. Vol. Purged (L)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Water Color / Clarity	
			0.5								Low-flow groundwater sample: (A) peristaltic pump w/ ded tubing B) ded bladder pump C) non-ded bladder pump; or Standard groundwater sample: D) bailer due to limited column; or E) recovery well cycling sample F) irrigation well grab sample
			1.0								
			1.5								
			2.0								
			2.5								
			3.0								
			3.5								
			4.0								

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
		KWB-9								Per COC	Per COC	Lab: Pace National, Mt. Juliet, TN
No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample												

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: KW3-12A

Event: 1H22

Area of Concern: REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
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At-Grade ✓ 2-in PVC ✓

Upright 4-in ☒ SS

Vault Other Other

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information

Initials: 050

136

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Monitoring Well Purging and Sampling Record

+ Trip Blank - Rest - 0Z

+ Dup - Rest - 05
+ EB - Rest - 05

Navajo Refining Company

Well: KW3-12B

Artesia Refinery

Event: 11/22

Artesia, New Mexico

Area of Concern: REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
-------------------	---------------------	------------------------

At-Grade ☒ 2-in ☐ PVC ☒

Upright 4-in ✓ SS

Vault Other Other

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information

Initials: 050

137

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake (Ft-TOC)	Well Inspection					Comments
							Cap	Casing	Well Secured	Label	Other	
4-12-22	1000	N/A	29.31	0.80	39.39	35.2	YES	YES	YES	YES		Weather: Sunny 70's
						*						

Well Purging Record

*Well CAP Replaced (former cap degraded)

[illegible]

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
4-12-22	1025	KWB-12B	29.41	6.89	20.3	4080	4.0	79.8	6.2	Per COC	Per COC	Lab: Pace National, Mt. Juliet, TN
	1200	Dwp-Rest-	0529.41	6.89	20.3	4080	4.0	79.8	6.2	il	il	
✓	1045	EB-Rest-05	NA	—————→						il	il	

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Located South of HWY 82, ~15' from fence line; Between tanks 906 & 907 when facing south

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: KW3-2R

Event: 11422

Area of Concern: REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
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At-Grade ✓ 2-in ✓ PVC ✓

Upright 4-in SS

Vault Other Other

Hydrologic Monitoring

for TRC

Houston, Texas

RIN for

Initials 050

138

Well Inspection Information

[illegible]

Well Purging Record

* Shattered at-grade cover plate (hit by heavy equipment) to replace in 21+22

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

139

[illegible]

Sign-in & permit from South crude
Control Room prior to entry

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Well: MW-103

Artesia Refinery

Event: 1422

Artesia, New Mexico

Area of Concern: REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
-------------------	---------------------	------------------------

At-Grade 2-in PVC ✓

Upright ✓ 4-in ✓ SS

Vault	Other	Other
-------	-------	-------

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information

Initials: **SLG**

(14)

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Sign-in & Permit from South crude
Control Room prior to entry (Hooch)
Navajo Refining Company
Artesia Refinery
Artesia, New Mexico

Monitoring Well Purging and Sampling Record

Well: MW-104

Event: 11722

Area of Concern: REST

Completion	Casing Diam.	Casing Material
At-Grade	2-in	PVC
Upright	4-in	SS
Vault	Other	Other

~~Tower Tech "water
technology structure built
adjacent to well 2H21;
Does not affect access
(Structure gone 1H22)~~

Initials:

Hydrologic Monitoring
for TRC
Houston, Texas

142

Initials: SCU

Well Inspection Information

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Bagged tube; stretch to outside of berm

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Well: MW-64

Completion	Casing Diam.	Casing Material
------------	--------------	-----------------

Hydrologic Monitoring

Artesia Refinery

Event: 11422

At-Grade	2-in	PVC	✓
----------	------	-----	---

for TRC

Artesia, New Mexico

Area of Concern: REST

Upright ✓ 4-in ✓ SS

Houston, Texas

Well Inspection Information

(Remove sock prior to sampling; replaced when finished)

Initials: *SEN*

143

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Bagged tube: Located in front of Navajo Storage shed.

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: MW-65

Event: 1422

Area of Concern:

BEST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
-------------------	---------------------	------------------------

At-Grade ☒ 2-in PVC ☒

Upright	4-in	✓	SS
---------	------	---	----

Vault Other Other

Hydrologic Monitoring

for TRC

Houston, Texas

Initials:

144

pulled oil-saturated sack prior to
gauging; then reinstalled

Well Inspection Information

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Gauge to top of guide-pipe

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Well: RW-5R

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>

Artesia Refinery

Event: 1H22

At-Grade 2-in PVC ✓

Artesia, New Mexico

Area of Concern: REST

Upright 4-in SS

Above-grade Vault ☒ Other ☒ Other ☐

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information

Initials: *SW*

(145)

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake (Ft-TOC)	Well Inspection					Comments
							Cap	Casing	Well Secured	Label	Other	
4/13/22	1340	19.30	30.90	11.60 *	NM	24.0	Yes	Yes	Yes	Yes		Weather: clear, TOS
					(pump in well); reported total depth = 35.30 Ft-TOC)							

Well Purging Record

6. NAPL thickness confirmed

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Bagged tube; do not dedicate, per
historical observations.

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: MW-102

Event: 11422

Area of Concern: REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
-------------------	---------------------	------------------------

At-Grade 2-in PVC ☒

Upright ☒ 4-in ☒ SS

Vault Other Other

+ Dup - Rest - 02
+ EB - Rest - 02

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information

Initials: *SM*

(146)

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
4/13/02	1550	MW-102	16.34	6.89	22.7	2180	0.9	-338.6	6.2	Per COC	Per COC	Lab: Pace National, ML Juliet, TN
	1300	DWP-Rest	02 16.34	6.89	22.7	2180	0.9	-338.6	6.2	"	"	
	1620	EB-Rest	02 NA							"	"	

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Bagged tube.

Monitoring Well Purging and Sampling Record

Navajo Refining Company
Artesia Refinery
Artesia, New Mexico

Well: RW-4

Event: 11422

Area of Concern: REST

Completion	Casing Diam.	Casing Material
At-Grade	2-in	PVC
Upright	4-in	SS
Vault	Other	Other

ling Record
(Historical) (L)

Hydrologic Monitoring
for TRC
Houston, Texas

Initials: *sa*

(147)

Well Inspection Information

[illegible]

Well Purging Record

- * Gauge / Sample through labeled guide-pipe.
- * Drawdown not measured (narrow diam guide-pipe)

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Position marked on adjacent fence;
Well is ~4' N. of chainlink fence;
Possibly covered by gravel / silt.
Navajo Refining Company Well: M

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Well: MW-99

Artesia Refinery
Artesia, New Mexico

Event: 1422

Area of Concern: REST

Completion	Casing Diam.	Casing Material
At-Grade ☒	2-in ☐	PVC ☒
Upright ☐	4-in ☒	SS ☐
Vault ☐	Other ☐	Other ☐

Hydrologic Monitoring
for TRC
Houston, Texas

Initials: *SLY*

149

Well Inspection Information

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

Middle of gravel road; location marked on adjacent chain-link fence.
Navajo Refining Company **Well:**
 Artesia Refinery **Event:**
 Artesia, New Mexico **Area of Concern:**

Monitoring Well Purging and Sampling Record

Hydrologic Monitoring
for TRC
Houston, Texas

Well Inspection Information

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]



364

151

Initials:

Well Purging Record

Well Sampling Record

[illegible]

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Artesia Refinery
Artesia, New Mexico

Well: MW-59

Event: 1422

Area of Concern:

REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
-------------------	---------------------	------------------------

At-Grade 2-in PVC ☒

Upright ☒ 4-in ☒ SS

Vault Other Other

Hydrologic Monitoring

for TRC

Houston, Texas

Initials: *SCY*

(152)

Well Inspection Information

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

(Support-trailer parking area)

Monitoring Well Purging and Sampling Record

Navajo Refining Company
Artesia Refinery
Artesia, New Mexico

Well: MW-60

Event: 1422

Area of Concern: REST

Completion	Casing Diam.	Casing Material
At-Grade ☐	2-in ☐	PVC ☒
Upright ☒	4-in ☒	SS ☐
Vault ☐	Other ☐	Other ☐

Hydrologic Monitoring
for TRC
Houston, Texas

Initials: SCY

153

Well Inspection Information

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

L

154

[illegible]

Located 15' NW of NW corner of berm;
Commonly buried by gravel/silt

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Well: MW-128

Artesia Refinery

Event: 11422

Artesia, New Mexico

Area of Concern:

REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
-------------------	---------------------	------------------------

At-Grade ☒ 2-in ☒ PVC ☒

Upright 4-in SS

Vault Other Other

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information

Initials: SCY

155

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

Bagged extension (when Flooded)

Monitoring Well Purging and Sampling Record

+ Trip Blank - Rest - 0,3

Navajo Refining Company

Well: MW-116

Artesia Refinery

Event: 1A22

Artesia, New Mexico

Area of Concern: REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
-------------------	---------------------	------------------------

At-Grade 2-in ✓ PVC ✓

Upright ☒ 4-in ☐ SS

Vault	Other	Other
-------	-------	-------

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information

Initials: SC

156

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: MW-46R

Event: 1172

Area of Concern: TMD

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>

At-Grade ✓ 2-in ✓ PVC ✓

Upright 4-in SS

Vault Other Other

N. side of dirt road; in-line with westernmost row of pecan trees; Position marked on adjacent chain-link fence (12' S. of fence)

Hydrologic Monitoring

for TRC

Houston, Texas

Initials: *SCU*

157

Well Inspection Information

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

New well installed pre-21420

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Well: MW-145

Artesia Refinery

Event: 11422

Artesia, New Mexico

Area of Concern:

REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>

At-Grade 2-in ☒ PVC ☒

Upright ✓ 4-in SS

Vault Other Other

Photo

1422

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information

(Screen: 9-29 ft)

Initials: *See*

(157.

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

New well installed pre-21420

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Well: MW-146

Artesia Refinery

Event: 1422

Artesia, New Mexico

Area of Concern:

REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
-------------------	---------------------	------------------------

At-Grade 2-in ✓ PVC ✓

Upright ☒ 4-in SS

Vault Other Other

(Screen: 10-30 Ft)

+ Dup - Rest - 04
+ EB - Rest - 04

Hydrologic Monitoring

for TRC

Houston, Texas

(157.2

Initials: SCH

Well Inspection Information

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (°C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
4/12/22	1100	MW-146	23.40	6.75	22.5	4570	2.0	121.9	8.5	Per COC	Per COC	Lab: Pace National, Mt. Juliet, TN
	1200	Dup-Rest	04 23.40	6.75	22.5	4570	2.0	121.9	8.5	"	"	
✓	1115	EB-Rest	04 NA									

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

[New well installed pre-21420]

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: MW-147

Event: 11422

Area of Concern:

REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
-------------------	---------------------	------------------------

At-Grade ✓ 2-in ✓ PVC ✓

Upright 4-in SS

Vault Other Other

(Screen: 20-40 Fr)

Hydrologic Monitoring

for TRC

Houston, Texas

Initials: SLU

157.3

Well Inspection Information

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

New Well installed pre-2H2O

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Well: MW-148

Artesia Refinery

Event: 11427

Artesia, New Mexico

Area of Concern:

REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
-------------------	---------------------	------------------------

At-Grade ☒ 2-in ☒ PVC ☒

Upright 4-in SS

Vault	Other	Other
-------	-------	-------

photo 1H22

Hydrologic Monitoring

for TRC

Houston, Texas

Initials: SLY

(157.4)

Well Inspection Information

(Screen: 20-40 Ft)

[illegible]

Well Purging Record

* Top of pump @ 35.80 ft-TOC ; pulled pump to gauge DTW

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Farthest west "City Well"

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Well: UG-3 R

Artesia Refinery

Event: 1422

Artesia, New Mexico

Area of Concern: REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>

At-Grade ✓ 2-in PVC ✓

Upright 4-in ☒ SS

Vault Other Other

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information

Initials:

158

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Location @ North-side park

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Well: UG-4

Artesia Refinery

Event: 1422

Artesia, New Mexico

Area of Concern: REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
-------------------	---------------------	------------------------

At-Grade ☒ 2-in ☒ PVC ☒

Upright 4-in SS

Vault Other Other

Hydrologic Monitoring

for TRC

Houston, Texas

Initials:

540

159

Well Inspection Information

[illegible]

Well Purging Record

* Brushy tree-root intrusion through screen @ $\approx 20'$; probe able to pass with repeated trying

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

North of elementary school

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Well: UG-1

Artesia Refinery

Event: 1H22

Artesia, New Mexico

Area of Concern: REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
-------------------	---------------------	------------------------

At-Grade ✓ 2-in ✓ PVC ✓

Upright 4-in SS

Vault Other Other

Hydrologic Monitoring

for TRC

Houston, Texas

Initials: *SC*

160

Well Inspection Information

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Located near E-W alley, NW of
Artesia Hotel

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Well: UG-2

Artesia Refinery

Event: 1422

Artesia, New Mexico

Area of Concern:

REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>

At-Grade ☒ 2-in ☐ PVC ☒

Upright 4-in ✓ SS

Vault	Other	Other
-------	-------	-------

* Adjacent homeowner to the S. (Jeff) complained that he

Hydrologic Monitoring

for TRC

Houston, Texas

Initials: *SLH*

167

Well Inspection Information

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

(Recompleted at-grade prior to 1420)

Monitoring Well Purging and Sampling Record

+ Trip Blank - Rest - 04

Navajo Refining Company

Well: MW-101

Artesia Refinery

Event: 11422

Artesia, New Mexico

Area of Concern: REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
-------------------	---------------------	------------------------

At-Grade ✓ 2-in PVC ✓

Upright 4-in ✓ SS

Vault Other Other

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information

Initials: *IAV*

(162)

[illegible]

Well Purging Record

* Exposed PVC No Protective Outer casing

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Well: MW-105

Artesia Refinery

Event: 11422

Artesia, New Mexico

Area of Concern: REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>

At-Grade ✓ 2-in PVC ✓

Upright 4-in ✓ SS

Vault	Other	Other
-------	-------	-------

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information

Initials: TAB

163

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

Located in "Doghouse";
Bagged tube
Navajo Refining Company
Artesia Refinery
Artesia, New Mexico Area of C

Monitoring Well Purging and Sampling Record

Navajo Refining Company
Artesia Refinery
Artesia, New Mexico

Well: RW-2
Event: 1422
Concern: REST

Completion	Casing Diam.	Casing Material
At-Grade ☐	2-in ☐	PVC ☒
Upright ☒	4-in ☒	SS ☐
Vault ☐	Other ☐	Other ☐

Hydrologic Monitoring
for TRC
Houston, Texas

Well Inspection Information

Initials: AA

164

[illegible]

Well Purging Record

* Gauge/Sample through labeled 1-in guide-pipe

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Monitoring Well Purging and Sampling Record

Navajo Refining Company
Artesia Refinery
Artesia, New Mexico

Well: MW-61
Event: 1422
Concern: REST

Completion	Casing Diam.	Casing Material
At-Grade ☒	2-in ☐	PVC ☒
Upright ☐	4-in ☒	SS ☐
Vault ☐	Other ☐	Other ☐

Hydrologic Monitoring
for TRC
Houston, Texas

Well Inspection Information

Initials: T A B

165

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: MW-62

Event: 11422

Area of Concern: REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
-------------------	---------------------	------------------------

At-Grade ☒ 2-in ☐ PVC ☒

Upright 4-in ☒ SS

Vault	Other	Other
-------	-------	-------

Hydrologic Monitoring

for TRC

Houston, Texas

Initials: TA

166

Well Inspection Information

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake (Ft-TOC)	Well Inspection					Comments
							Cap	Casing	Well Secured	Label	Other	
4/12/22	1240	16.41	16.42	0.01	29.50	21.3	yes	yes	yes	yes		Weather: p/c/only 80
				11								

Well Purging Record

Removed LNAPL w/ sorbent pad then wrapped to gauging probe

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

[New well installed pre-2H2O]

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Well: MW-62R

Artesia Refinery

Event: 1H22

Artesia, New Mexico

Area of Concern:

REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
-------------------	---------------------	------------------------

At-Grade ✓ 2-in ✓ PVC ✓

Upright 4-in SS

Vault Other Other

Hydrologic Monitoring

for TRC

Houston, Texas

Photo in 1422

Initials: TA

1661

Well Inspection Information

(Screen: 5th - 25 Ft)

[illegible]

Well Purging Record

*well was covered with ~~construction-related gravel~~; Hm1 searched / dug out / recovered

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Monitoring Well Purging and Sampling Record

Navajo Refining Company
Artesia Refinery
Artesia, New Mexico

Well: MW-93

Event: 1H22

Area of Concern: REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
At-Grade ☒	2-in ☐	PVC ☒
Upright ☐	4-in ☒	SS ☐
Vault ☐	Other ☐	Other ☐

Hydrologic Monitoring
for TRC
Houston, Texas

Initials: TAB

167

Well Inspection Information

[illegible]

Well Purging Record * No equipment on well; well is covered by gravel however; unable to locate; Domingo is aware of this.

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Monitoring Well Purging and Sampling Record

Navajo Refining Company
Artesia Refinery
Artesia, New Mexico

Well: MW-137
Event: 11422
Concern: REST

Completion	Casing Diam.	Casing Material
At-Grade ☒	2-in ☒	PVC ☒
Upright ☐	4-in ☐	SS ☐
Vault ☐	Other ☐	Other ☐

Hydrologic Monitoring
for TRC
Houston, Texas

Photo in 1H22

Initials: AS

169

Well Inspection Information

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake (Ft-TOC)	Well Inspection					Comments
							Cap	Casing	Well Secured	Label	Other	
4/12/22	1:20	12-42 (12.42)	13-31	0.89	29.60	24.6	yes	yes	yes	yes		Weather: pt/cloudy 80°

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

New well installed pre-21420

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Well: MW-137A

Artesia Refinery

Event: 1H22

Artesia, New Mexico

Area of Concern:

REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
-------------------	---------------------	------------------------

At-Grade ☒ 2-in ☒ PVC ☒

Upright 4-in SS

Vault Other Other

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information

Photo in 1H22

Initials: T A D

(169.

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake (Ft-TOC)	Well Inspection					Comments
							Cap	Casing	Well Secured	Label	Other	
4/12/22	1130	12.42	13.28	0.86	14.88		yes	yes	yes	yes		Weather: pt/cloudy 80°
						Intake at	base of well (if not dry; if no LNAPL; if scheduled for sampling)					

Well Purging Record

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Photo in 1H22

170

[illegible]

New Well installed pre-ZH2O

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Well: MW-138A

Artesia Refinery

Event: 11427

Artesia, New Mexico

Area of Concern:

REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
-------------------	---------------------	------------------------

At-Grade ☒ 2-in ☒ PVC ☒

Upright 4-in SS

Vault	Other	Other
-------	-------	-------

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information

Initials: 1 A 15

170.1

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake (Ft-TOC)	Well Inspection					Comments
							Cap	Casing	Well Secured	Label	Other	
4/12/22	1150	13.13	14.24	1.01	15.03		yes	yes	yes	yes		Weather: pt/cloudy 80s
						Intake at base of well (if not	dry; if no LNAPL; if scheduled for					Sampling)

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: TEL-4

Event: 11422

Area of Concern: TEL

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
-------------------	---------------------	------------------------

At-Grade 2-in ✓ PVC

Upright ✓ 4-in SS ✓

Vault Other Other

+ Doo-TEL-01

+ EB-TBL-01

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information

Initials: I A T

172

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake (Ft-TOC)	Well Inspection					Comments
							Cap	Casing	Well Secured	Label	Other	
4/12/22	900	N/A	13.62	0.00	27.27	22.2	yes	yes	yes	yes		Weather: p T/K/Cloudy 70°

Well Purging Record

[illegible]

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments
4/12/22	925	TEL-4	13.86	6.70	23.8	2740	1.0	-317.2	1.6	Per COC	Per COC	Lab: Pace National, Mt. Juliet, TN
	800	DWP-TEL	0113.8	6.70	23.8	2740	1.0	-317.2	1.6	"	"	
✓	940	EB-TEL	01 NA	—————→						"	"	

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: TEL-3

Event: 11422

Area of Concern: TEL

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
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At-Grade 2-in ✓ PVC

Upright ✓ 4-in SS ✓

Vault Other Other

Hydrologic Monitoring

for TRC

Houston, Texas

Initials: *JA TS*

(173)

Well Inspection Information

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake (Ft-TOC)	Well Inspection					Comments
							Cap	Casing	Well Secured	Label	Other	
4/14/22	840	15.16	18.02	2.86	27.19	22.2	yes	yes	yes	yes		Weather: p/c/bdy 70°

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: TEL-2

Event: 1122

Area of Concern: TEL

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>

At-Grade 2-in ✓ PVC

Upright ☒ 4-in ☐ SS ☒

Vault	Other	Other
-------	-------	-------



Hydrologic Monitoring

for TRC

Houston, Texas

Initials: IAE

(174)

Well Inspection Information

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake (Ft-TOC)	Well Inspection					Comments
							Cap	Casing	Well Secured	Label	Other	
4/12/22	820	16.14	19.05	2.91	27.20	22.1	yes	yes	yes	yes		Weather: p/k cloudy

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

Monitoring Well Purging and Sampling Record

Navajo Refining Company
Artesia Refinery
Artesia, New Mexico

Well: MW-39
Event: 1422
Concern: REST

Completion	Casing Diam.	Casing Material
At-Grade ☐	2-in ☒	PVC ☐
Upright ☒	4-in ☐	SS ☒
Vault ☐	Other ☐	Other ☐

Hydrologic Monitoring
for TRC
Houston, Texas

Initials: TAB

176

Well Inspection Information

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake (Ft-TOC)	Well Inspection					Comments
							Cap	Casing	Well Secured	Label	Other	
4/12/22	14:50	16.30	18.55	2.25	25.44	20.4	yes	yes	yes	yes		Weather: p/c/bcldy 70s

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: MW-98

Event: 1422

Area of Concern: REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>

At-Grade ☒ 2-in PVC ☒

Upright ☐ 4-in ☒ SS

Vault	Other	Other
-------	-------	-------

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information

Initials: 10

(177)

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake (Ft-TOC)	Well Inspection					Comments
							Cap	Casing	Well Secured	Label	Other	
4/12/22	10:10	NP	12.81	0.00	25.60	21.5	yes	yes	yes	yes		Weather: pt. cloudy, 70s

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: RW-10

Event: 1122

Area of Concern: REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
-------------------	---------------------	------------------------

At-Grade 2-in PVC ☒

Upright ☒ 4-in SS

Vault _____ Other ~~8-in~~ Other

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information

The former RW-10 is permanently covered by heavy steel box. Current RW-10 is the stand-pipe ~ 50' south of former RW-10 per Navajo. Initials:

(178)

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake (Ft-TOC)	Well Inspection					Comments
							Cap	Casing	Well Secured	Label	Other	
4/22/22	810	16.03	19.17	3.14	22.49	17.5	yes	yes	yes	yes		Weather: pt / cloudy 70°

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: MW-40

Event: 1422

Area of Concern:

REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>

At-Grade 2-in ✓ PVC ✓

Upright ✓ 4-in SS

Vault	Other	Other
-------	-------	-------

Hydrologic Monitoring

for TRC

Houston, Texas

Initials: *LP A*

(179)

Well Inspection Information

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

Hydrologic Monitoring
for TRC
Houston, Texas

180

[illegible]

Monitoring Well Purging and Sampling Record

Navajo Refining Company
Artesia Refinery
Artesia, New Mexico

Well: RW-9

Event: 1H22

Area of Concern: REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
-------------------	---------------------	------------------------

At-Grade	2-in	PVC	✓
----------	------	-----	---

Upright ✓ 4-in SS

Vault _____ Other 8-in Other _____

covered by heavy steel box. Current RW-9 is the stand-pipe
~50' East of former RW-9 per Navajo.

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information

The former RW-9 is permanently covered by heavy steel box, Current RW-9 is the stand-pipe
Vault Other 8-in Other
East of former RW-9 per Navajo.

Initials:

TA 5

18

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake (Ft-TOC)	Well Inspection					Comments
							Cap	Casing	Well Secured	Label	Other	
4/13/22	840	npd	16.83	0.00	21.83	16.8	1/25	yes	yes	yes		Weather: pt/cloudy 50°
						* moved to						

Well Purging Record

Base of well (permanently)

[illegible]

Well Sampling Record

[illegible]

[illegible]

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: MW-29

Event: 1H72

Area of Concern: REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
-------------------	---------------------	------------------------

At-Grade 2-in PVC ✓

Upright ☒ 4-in ☐ SS

Vault Other 6-in Other

Hydrologic Monitoring

for TRC

Houston, Texas

Initials

183

Well Inspection Information

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

(184)

Well Purging Record

Well Sampling Record

[illegible]

185

Vault Other 6-17 Other

Initials: ASM

Well Purging Record

Well Sampling Record

Date	Time	Sample I.D.	Depth to Water (Ft-TOC)	pH (std units)	T (C)	SC (umho/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction-Potential (mV)	Turbidity (NTU)	Parameter	Preserv	Comments Lab: Pace National, Mt. Juliet, TN
		mw-30								Per COC	Per COC	
No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample												

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Hydrologic Monitoring
for TRC
Houston, Texas

186

[illegible]

Located under yellow barricade

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Well: MW-49

Artesia Refinery

Event: 1422

Artesia, New Mexico

Area of Concern: TEL

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>

At-Grade ✓ 2-in ✓ PVC ✓

Upright 4-in SS

Vault	Other	Other
-------	-------	-------

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information

Initials: *ASM*

(185)

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

May get covered with gravel

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Well: MW-106

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
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Hydrologic Monitoring

Artesia Refinery

Event: 1H22

At-Grade ☒ 2-in ☐ PVC ☒

for TRC

Artesia, New Mexico

Area of Concern: REST

Upright 4-in ✓ SS

Houston, Texas

Well Inspection Information # Located in-line with the Final letter "A" from "Ammonia" sign on gray tank with Initials:

Initials: AB

188

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake (Ft-TOC)	Well Inspection					Comments
							Cap	Casing	Well Secured	Label	Other	
4/13/22	1600				22.80	17.5						Weather: clear, 70s

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

SW corner of Louden Bldg.
Installed ZH19.

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Well: MW-139

Artesia Refinery

Event: 11422

Artesia, New Mexico

Area of Concern: REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
-------------------	---------------------	------------------------

At-Grade ✓ 2-in ✓ PVC ✓

Upright 4-in SS

Vault Other Other

Hydrologic Monitoring

for TRC

Houston, Texas

Photo in 1H2Z

Initials: R J m

190

Well Inspection Information

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Monitoring Well Purging and Sampling Record

Navajo Refining Company
Artesia Refinery
Artesia, New Mexico

Well: MW-97
Event: 1422
Concern: REST

Completion	Casing Diam.	Casing Material
At-Grade ☒	2-in ☐	PVC ☒
Upright ☐	4-in ☒	SS ☐
Vault ☐	Other ☐	Other ☐

Photo in 1H22

Hydrologic Monitoring
for TRC
Houston, Texas

Initials: RSW

192

Well Inspection Information

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake (Ft-TOC)	Well Inspection					Comments
							Cap	Casing	Well Secured	Label	Other	
4.12.22	940	NM	NM	NM	21.20	5' off	NA	NA	NA	NA		Weather: Sunny 70's
						base						

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Bagged tube

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Well: RW-1

Artesia Refinery

Event: 11422

Artesia, New Mexico

Area of Concern: REST

Completion	Casing Diam.	Casing Material
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At-Grade 2-in PVC ☒

Upright ☒ 4-in ☒ SS

Vault Other Other

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information In "doghouse"; gauge/sample through 1-in guide-pipe

Initials: RSM

194

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

[illegible]

Bagged tube

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Well: MW-94

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
-------------------	---------------------	------------------------

Artesia Refinery

Event: 11422

At-Grade 2-in PVC ✓

Artesia, New Mexico

Area of Concern: REST

Upright ✓ 4-in ✓ SS

Vault	Other	Other
-------	-------	-------

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information

Initials: BA

(198)

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Bagged tube

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Well: RW-8

Artesia Refinery

Event: 11422

Artesia, New Mexico

Area of Concern: REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>

At-Grade 2-in PVC ☒

Upright ✓ 4-in ✓ SS

Vault	Other	Other
-------	-------	-------

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information In "doghouse"; gauge/sample through 1-in. guide-pipe.

Initials: BA

199

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Well: MW-67

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
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Hydrologic Monitoring

Artesia Refinery

Event: 1422

At-Grade ✓ 2-in PVC ✓

for TRC

Artesia, New Mexico

Area of Concern: REST

Upright 4-in ✓ SS

Houston, Texas

Well Inspection Information

Initials: BA

200

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: MW-95

Event: 1472

Area of Concern: REST

Completion	Casing Diam.	Casing Material
------------	--------------	-----------------

At-Grade	2-in	PVC	✓
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Upright ✓ 4-in ✓ SS

Vault	Other	Other
-------	-------	-------

Hydrologic Monitoring

for TRC

Houston, Texas

Initials: ASM

(201

Well Inspection Information

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: RW-7

Event: 11427

Area of Concern: REST

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>

At-Grade 2-in PVC ✓

Upright ☒ 4-in ☒ SS

Vault	Other	Other
-------	-------	-------

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information In "doghouse"; gauge/sample through 1-in. guard-pipe.

Initials: BA

(202)

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

203

[illegible]

205

[illegible]

* Access on foot

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Well: MW-108

Artesia Refinery

Event: 11422

Artesia, New Mexico

Area of Concern:

NCL

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>

At-Grade 2-in PVC ✓

Upright ✓ 4-in ✓ SS

Vault Other Other

Hydrologic Monitoring

for TRC

Houston, Texas

Initials: RJM

207

Well Inspection Information

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

SW of NCL field

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: NCL-31

Event: 1H22

Area of Concern: NCL

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
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At-Grade 2-in ✓ PVC ✓

Upright ☒ 4-in SS

Vault	Other	Other
-------	-------	-------

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information

Initials: BA

(208)

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake (Ft-TOC)	Well Inspection					Comments
							Cap	Casing	Well Secured	Label	Other	
4-12-22	1510	NP	15.11	0.00	20.16	17.4	NO	YES	YES	YES		Weather: Sunny, Windy, Soft
							1					

Well Purging Record

↳ unable to close protective lid and fit cap, therefore no cap present

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Gauge only

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: MW-19

Event: 1422

Area of Concern: NCL

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>

At-Grade 2-in PVC ☒

Upright ☒ 4-in SS

Vault Other 6-in Other

Hydrologic Monitoring

for TRC

Houston, Texas

Initials: 

209

Well Inspection Information

Date	Time	Depth to LNAPL (Ft-TOC)	Depth to Water (Ft-TOC)	LNAPL Thickness (Ft)	Well Total Depth (Ft-TOC)	Sample Intake (Ft-TOC)	Well Inspection					Comments
							Cap	Casing	Well Secured	Label	Other	
4-12-02	1450	NP	15.42	0.00	22.08	NS	Yes	Yes	Yes	No		Weather: Sunny, windy, 80s
									I			

Well Purging Record

↳ NO outer protective casing

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

[illegible]

212

Well Purging Record

Well Sampling Record

[illegible]

Gauge Only

Monitoring Well Purging and Sampling Record

Navajo Refining Company

Artesia Refinery

Artesia, New Mexico

Well: MW-54B

Event: 1422

Area of Concern: NCL

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
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At-Grade 2-in ✓ PVC ✓

Upright ☒ 4-in ☐ SS

Vault Other Other

Hydrologic Monitoring

for TRC

Houston, Texas

Initials: AS/M

214

Well Inspection Information

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

(Replacement well for MW-53, that was destroyed by construction activities)

Navajo Refining Company

Artesia Refinery
Artesia, New Mexico

Well: MW-53 R

Event: 11722

Area of Concern:

NCL

<u>Completion</u>	<u>Casing Diam.</u>	<u>Casing Material</u>
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At-Grade ☒ 2-in ☒ PVC ☒

Upright	4-in	SS
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	Vault	Other	Other	
2017	100%	0%	0%	100%
2018	100%	0%	0%	100%
2019	100%	0%	0%	100%
2020	100%	0%	0%	100%
2021	100%	0%	0%	100%
2022	100%	0%	0%	100%
2023	100%	0%	0%	100%
2024	100%	0%	0%	100%
2025	100%	0%	0%	100%
2026	100%	0%	0%	100%
2027	100%	0%	0%	100%
2028	100%	0%	0%	100%
2029	100%	0%	0%	100%
2030	100%	0%	0%	100%
2031	100%	0%	0%	100%
2032	100%	0%	0%	100%
2033	100%	0%	0%	100%
2034	100%	0%	0%	100%
2035	100%	0%	0%	100%
2036	100%	0%	0%	100%
2037	100%	0%	0%	100%
2038	100%	0%	0%	100%
2039	100%	0%	0%	100%
2040	100%	0%	0%	100%
2041	100%	0%	0%	100%
2042	100%	0%	0%	100%
2043	100%	0%	0%	100%
2044	100%	0%	0%	100%
2045	100%	0%	0%	100%
2046	100%	0%	0%	100%
2047	100%	0%	0%	100%
2048	100%	0%	0%	100%
2049	100%	0%	0%	100%
2050	100%	0%	0%	100%
2051	100%	0%	0%	100%
2052	100%	0%	0%	100%
2053	100%	0%	0%	100%
2054	100%	0%	0%	100%
2055	100%	0%	0%	100%
2056	100%	0%	0%	100%
2057	100%	0%	0%	100%
2058	100%	0%	0%	100%
2059	100%	0%	0%	100%
2060	100%	0%	0%	100%
2061	100%	0%	0%	100%
2062	100%	0%	0%	100%
2063	100%	0%	0%	100%
2064	100%	0%	0%	100%
2065	100%	0%	0%	100%
2066	100%	0%	0%	100%
2067	100%	0%	0%	100%
2068	100%	0%	0%	100%
2069	100%	0%	0%	100%
2070	100%	0%	0%	100%
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2072	100%	0%	0%	100%
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2074	100%	0%	0%	100%
2075	100%	0%	0%	100%
2076	100%	0%	0%	100%
2077	100%	0%	0%	100%
2078	100%	0%	0%	100%
2079	100%	0%	0%	100%
2080	100%	0%	0%	100%
2081	100%	0%	0%	100%
2082	100%	0%	0%	100%
2083	100%	0%	0%	100%
2084	100%	0%	0%	100%
2085	100%	0%	0%	100%
2086	100%	0%	0%	100%
2087	100%	0%	0%	100%
2088	100%	0%	0%	100%
2089	100%	0%	0%	100%
2090	100%	0%	0%	100%
2091	100%	0%	0%	100%
2092	100%	0%	0%	100%
2093	100%	0%	0%	100%
2094	100%	0%	0%	100%
2095	100%	0%	0%	100%
2096	100%	0%	0%	100%
2097	100%	0%	0%	100%
2098	100%	0%	0%	100%
2099	100%			

Located ~15' North of Hy
70 mi marker (Hwy 285 Northbound)

Hydrologic Monitoring

for TRC

Houston, Texas

Well Inspection Information

[illegible]

Well Purging Record

[illegible]

Well Sampling Record

[illegible]

No groundwater sample collected if LNAPL thickness is greater than, or equal to 0.03'; if LNAPL thickness is measured at 0.01' or 0.02', remove LNAPL, and collect groundwater sample

Instrument Calibration Log

Navajo Refining Company

Artesia Refinery

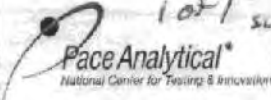
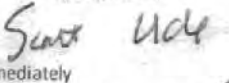
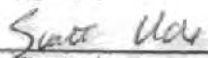
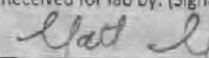
Artesia, New Mexico

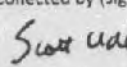
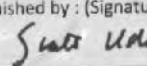
Hydrologic Monitoring

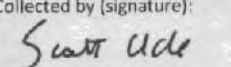
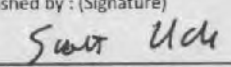
for TRC

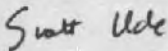
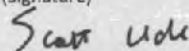
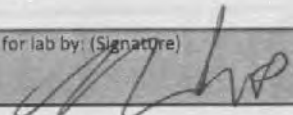
Houston, Texas

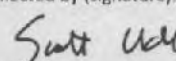
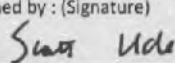
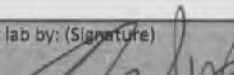
Date	Time	pH Hanna (Std. units)	Specific Conductivity Hanna (umho/cm)	Dissolved Oxygen Hanna (Slope Cal. in saturated air)	Turbidity Lamotte (NTU)	ORP Hanna HI 7020 Soln (200-275 mV)	PID Thermo Environmental 100 ppm Isobutylene	Initials / Comments
4/11/22	1410	4.01/7.00	1,000	100%	10.0	240.1	NA	SCU
4/12/22	0640	4.01/7.00	1,000	100%	10.0	238.9	NA	SCU
4/12/22	0642	4.01/7.00	1,000	100%	10.0	207.6	NA	ASM
4-12-22	0645	4.01/7.00	1,000	100%	10.0	224.3	NA	BA
4-12-22	0649	4.01/7.00	1,000	100%	10.0	227.6	NA	BRH
4-12-22	0650	4.01/7.00	1,000	100%	10.0	248.2	NA	TAB
4/12/22	0653	4.01/7.00	1,000	100%	10.0	254.2	NA	BJ
4/12/22	0657	4.01/7.00	1,000	100%	10.0	249.1	NA	GR
4-12-22	0700	4.01/7.00	1,000	100%	10.0	268.2	NA	MD3
4-12-22	0703	4.01/7.00	1,000	100%	10.0	260.7	NA	OJD
4-12-22	0705	4.01/7.00	1,000	100%	10.0	219.2	NA	RJM
4/13/22	0650	4.01/7.00	1,000	100%	10.0	229.5	NA	SCU
4/13/22	0652	4.01/7.00	1,000	100%	10.0	208.6	NA	ASM
4/13/22	0655	4.01/7.00	1,000	100%	10.0	249.2	NA	BJ
4-13-22	0659	4.01/7.00	1,000	100%	10.0	224.9	NA	BRH
4-13-22	0700	4.01/7.00	1,000	100%	10.0	244.8	NA	TAB
4-13-22	0702	4.01/7.00	1,000	100%	10.0	221.9	NA	RJM
4-13-22	0705	4.01/7.00	1,000	100%	10.0	223.6	NA	BA
4-13-22	0707	4.01/7.00	1,000	100%	10.0	241.9	NA	MD3

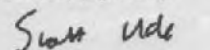
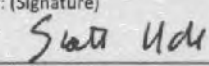
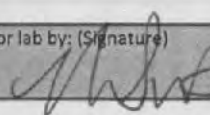
TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752				Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com				Chain of Custody Page 19 of 25  12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859 			
Report to: Julie Speer				Email To: jspeer@trccompanies.com				Analysis / Container / Preservative V8260OXY - 40mlAmb HCl DROLVI - 40mlAmb-HCl-BT GRO - 40mlAmb HCl Total/Diss. Short List Metals Anions. TDS - 500mlHDPE-NoPres NO2NO3 - 250mlHDPE-H2SO4 Total/Diss. Long List Metals Cyanide - 250mlHDPEAmb-NaOH EDB - 40mlClr-NaThio 8270DIOXANE - 100ml Amb-NoPres			
Project Description: Artesia Spring 2022				City/State Collected: Artesia, NM				L# 4481749 A232			
Phone: 512-684-3170 Fax:		Client Project #		Lab Project # TRCATX-ARTESIA		Acctnum: TRCATX		Template: T206518			
Collected by (print): Scott Ude/HMI Team		Site/Facility ID # (Navajo - Artesia)		P.O. #		Prelogin: P915556		TSR: 526			
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #		Date Results Needed		Shipped Via:			
Immediately Packed on Ice N ☐ Y ☒											
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs					
MW-135	Grab	GW				13	X	X	X		
MW-147	Grab	GW				10	X	X	X		
MW-148	Grab	GW				10	X	X	X		
UG-3R	Grab	GW		4/11/22	1810	12	X	X	X		
UG-4	Grab	GW		4/11/22	1710	12	X	X	X		
UG-1	Grab	GW		4/11/22	1625	14	X	X	X		
UG-2	Grab	GW		4/11/22	1530	12	X	X	X		
DUP-REST-02	Grab	GW				16	X	X	X		
EB-REST-02	Grab	GW				16	X	X	X		
DUP-REST-04	Grab	GW				10	X	X	X		
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other							Remarks: Diss. Metals are Field Filtered (Shipment #1 is just one cooler total)				
Samples returned via: ☐ UPS ☒ FedEx ☐ Courier							Tracking # 5719 6175 6818				
Relinquished by: (Signature) 		Date: 4/12/22		Time: 0700		Received by: (Signature) 		Trip Blank Received: Yes/No ☒ HCL/MeOH ☐ TBR			
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Temp: MSA 2 °C Bottles Received: 50 1.8 + 0 = 1.8			
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature) 		Date: 4/13/22 Time: 0945			
							Hold:				
							Condition: NCF / OK				

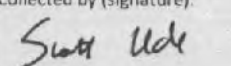
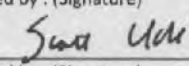
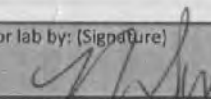
TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752				Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com				Pres Chk		Analysis / Container / Preservative CO CO CO R519										Chain of Custody Page 1 of 25 					
Report to: Julie Speer				Email To: jspeer@trccompanies.com																12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859					
Project Description: Artesia Spring 2022				City/State Collected: Artesia, NM																					
Phone: 512-684-3170 Fax:		Client Project #		Lab Project # TRCATX-ARTESIA																					
Collected by (print): Scott Ude/HMI Team		Site/Facility ID # (Navajo - Artesia)		P.O. #																					
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #		Date Results Needed		No. of Cntrs																	
Immediately Packed on Ice N ☐ Y ☒																									
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time					V82600XY - 40mlAmb HCl	DROLVI - 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	Anions. TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)				
MW-6A	Grab	GW							13	x	x	x	x	x	x				x						
MW-85	Grab	GW							11	x	x	x	x	x	x										
MW-86	Grab	GW							12	x	x	x		x	x	x	x								
MW-120	Grab	GW							13	x	x	x	x	x	x				x						
MW-121	Grab	GW							13	x	x	x	x	x	x				x						
MW-84	Grab	GW							11	x	x	x	x	x	x										
MW-122	Grab	GW		4/12/22	1715				13	x	x	x	x	x	x				x		01				
MW-81	Grab	GW		4/12/22	1435				11	x	x	x	x	x	x						02				
MW-80	Grab	GW		4/12/22	1525				11	x	x	x	x	x	x						03				
MW-79	Grab	GW		4/12/22	1615				11	x	x	x	x	x	x						07				
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other				Remarks: Shipment #2 Diss. Metals are Field-Filtered				pH _____ Temp _____ Flow _____ Other _____				Sample Receipt Checklist: COC Seal Present/Intact: ☒ NP ☐ N COC Signed/Accurate: ☒ Y ☐ N Bottles arrive intact: ☒ Y ☐ N Correct bottles used: ☒ Y ☐ N Sufficient volume sent: ☒ Y ☐ N If Applicable VOA Zero Headspace: ☒ Y ☐ N Preservation Correct/Checked: ☒ Y ☐ N													
Samples returned via: UPS ☒ FedEx ☐ Courier ☐				Tracking #																					
Relinquished by: (Signature) 		Date: 4/13/22		Time: 0700		Received by: (Signature)				Trip Blank Received: Yes / No 7 HCL MeOH TBR															
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)				Temp: °C				Bottles Received:				If preservation required by Login: Date/Time							
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature)				Date:				Time:				Hold:				Condition: NCF / OK			

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752			Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com			Pres Chk			Analysis / Container / Preservative						Chain of Custody Page 2 of 25				
Report to: Julie Speer			Email To: jspeer@trccompanies.com																
Project Description: Artesia Spring 2022			City/State Collected: Artesia, NM									12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859							
Phone: 512-684-3170 Fax:		Client Project #		Lab Project # TRCATX-ARTESIA															
Collected by (print): Scott Ude/HMI Team		Site/Facility ID # (Navajo - Artesia)		P.O. #								L #							
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #								Table #							
Immediately Packed on Ice N ☐ Y ☒				Date Results Needed								Acctnum: TRCATX Template: T206218 Prelogin: P915556 TSR: 526 PB:							
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V82600XY - 40ml/Amb HCl	DROLVI- 40ml/Amb-HCl-BT	GRO - 40ml/Amb HCl	Total/Diss. Short List Metals	Anions. TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-82		Grab	GW				11	x	x	x	x	x	x						
MW-74		Grab	GW		4/12/22	1010	13	x	x	x	x	x	x				x		05
MW-73		Grab	GW		4/12/22	925	11	x	x	x	x	x	x						06
MW-2A		Grab	GW		4/12/22	1345	11	x	x	x	x	x	x						07
MW-72		Grab	GW		4/12/22	1255	11	x	x	x	x	x	x						08
OCD-6		Grab	GW		4/12/22	1205	13	x	x	x	x	x	x				x		09
OCD-7AR		Grab	GW		4/12/22	1110	11	x	x	x	x	x	x						10
MW-7B		Grab	GW				11	x	x	x	x	x	x						
RW-#15C		Grab	GW				9	x	x		x	x	x						
MW-48		Grab	GW				11	x	x	x	x	x	x						
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks:																	
		Samples returned via: ☐ UPS ☒ FedEx ☐ Courier																	
		Tracking #																	
Relinquished by: (Signature) 		Date: 4/13/22		Time: 0700		Received by: (Signature)		Trip Blank Received: Yes / No HCL / MeOH TBR		Sample Receipt Checklist COC Seal Present/Intact: ☐ NP ☐ Y ☐ N COC Signed/Accurate: ☐ Y ☐ N Bottles arrive intact: ☐ Y ☐ N Correct bottles used: ☐ Y ☐ N Sufficient volume sent: ☐ Y ☐ N If Applicable VOA Zero Headspace: ☐ Y ☐ N Preservation Correct/Checked: ☐ Y ☐ N									
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Temp: °C		Bottles Received:		If preservation required by Login: Date/Time							
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature)		Date:		Time:		Hold:		Condition: NCF / OK					

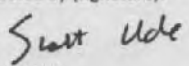
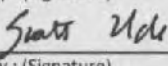
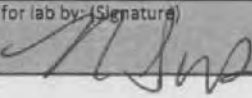
TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752				Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com				Pres Chk		Analysis / Container / Preservative V82600XY - 40mlAmb HCl DROLVI - 40mlAmb-HCl-BT GRO - 40mlAmb HCl Total/Diss. Short List Metals Anions. TDS - 500mlHDPE-NoPres NO2NO3 - 250mlHDPE-H2SO4 Total/Diss. Long List Metals Cyanide - 250mlHDPEAmb-NaOH EDB - 40mlClr-NaThio 8270DIOXANE - 100ml Amb-NoPres								Chain of Custody Page 3 of 25  12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859	
Report to: Julie Speer				Email To: jspeer@trccompanies.com															
Project Description: Artesia Spring 2022				City/State Collected: Artesia, NM															
Phone: 512-684-3170 Fax:		Client Project #		Lab Project # TRCATX-ARTESIA														L #	
Collected by (print): Scott Ude/HMI Team		Site/Facility ID # (Navajo - Artesia)		P.O. #														Table #	
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #		Date Results Needed		No. of Cntrs										Acctnum: TRCATX Template: T206518 Prelogin: P915556 TSR: 526 PB:	
Immediately Packed on Ice N ☐ Y ☒																		Shipped Via:	
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time													Remarks	Sample # (lab only)
MW-130	Grab	GW				11	x	x	x	x	x	x							
KWB-4	Grab	GW				9	x	x		x	x	x							
RW-19	Grab	GW				9	x	x		x	x	x							
EB-EP-01	Grab	GW		4/12/22	1030	11	x	x	x	x	x	x							11
EB-EP-01/4	Grab	GW		4/12/22	1635	11	x	x	x	x	x	x							12
TRIP BLANK-EP-01	Grab	GW		4/12/22	---	1	x												13
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks:		Samples returned via: ☐ UPS ☒ FedEx ☐ Courier		Tracking #		pH _____ Temp _____ Flow _____ Other _____		Sample Receipt Checklist COC Seal Present/Intact: ☐ Y ☐ N COC Signed/Accurate: ☐ Y ☐ N Bottles arrive intact: ☒ Y ☐ N Correct bottles used: ☐ Y ☐ N Sufficient volume sent: ☐ Y ☐ N If Applicable VOA Zero Headspace: ☐ Y ☐ N Preservation Correct/Checked: ☐ Y ☐ N									
Relinquished by: (Signature) 		Date: 4/13/22		Time: 0700		Received by: (Signature)		Trip Blank Received: Yes / No HCL / MeOH TBR											
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Temp: °C Bottles Received:		If preservation required by Login: Date/Time									
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature) 		Date: 4/14/22 Time: 0900		Hold:		Condition: NCF / OK							

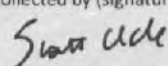
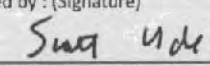
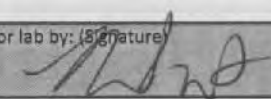
TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752				Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com				Pres Chk		Analysis / Container / Preservative										Chain of Custody Page 4 of 25			
Report to: Julie Speer				Email To: jspeer@trccompanies.com																			
Project Description: Artesia Spring 2022				City/State Collected: Artesia, NM																12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859			
Phone: 512-684-3170 Fax:		Client Project #		Lab Project # TRCATX-ARTESIA		P.O. #		Quote #														L#	
Collected by (print): Scott Ude/HMI Team		Site/Facility ID # (Navajo - Artesia)						Date Results Needed		No. of Cntrs												Table #	
Collected by (signature): 		Rush? (Lab MUST Be Notified) ____ Same Day ____ Five Day ____ Next Day ____ 5 Day (Rad Only) ____ Two Day ____ 10 Day (Rad Only) ____ Three Day																				Acctnum: TRCATX Template: T206518 Prelogin: P915556 TSR: 526 PB: Shipped Via:	
Packed on Ice N ____ Y ☒																						Remarks	
Sample ID		Comp/Grab		Matrix *		Depth		Date		Time												Sample # (lab only)	
MW-76		Grab		GW								13		x		x		x		x		x	
MW-77		Grab		GW								11		x		x		x		x		x	
MW-78		Grab		GW								13		x		x		x		x		x	
MW-75		Grab		GW								11		x		x		x		x		x	
MW-83		Grab		GW								11		x		x		x		x		x	
MW-3		Grab		GW								13		x		x		x		x		x	
MW-88		Grab		GW								11		x		x		x		x		x	
MW-22A		Grab		GW								13		x		x		x		x		x	
MW-10		Grab		GW								11		x		x		x		x		x	
MW-123		Grab		GW								13		x		x		x		x		x	
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other				Remarks:								pH _____ Temp _____ Flow _____ Other _____				Sample Receipt Checklist COC Seal Present/Intact: ☒ NP ☐ N COC Signed/Accurate: ☒ Y ☐ N Bottles arrive intact: ☒ Y ☐ N Correct bottles used: ☒ Y ☐ N Sufficient volume sent: ☒ Y ☐ N If Applicable VOA Zero Headspace: ☒ Y ☐ N Preservation Correct/Checked: ☒ Y ☐ N							
Samples returned via: ☒ UPS ☐ FedEx ☐ Courier				Tracking #																			
Relinquished by: (Signature) 				Date: 4/13/22		Time: 0700		Received by: (Signature)				Trip Blank Received: Yes / No HCL / MeOH TBR				If preservation required by Login: Date/Time							
Relinquished by: (Signature)				Date:		Time:		Received by: (Signature)				Temp: °C Bottles Received:											
Relinquished by: (Signature)				Date:		Time:		Received for lab by: (Signature) 				Date: 4/14/22 Time: 0900				Hold: Condition: NCF / OK							

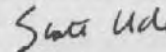
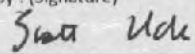
TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752			Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com			Pres Chk	Analysis / Container / Preservative										Chain of Custody Page 5 of 25		
Report to: Julie Speer			Email To: jspeer@trccompanies.com															 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859	
Project Description: Artesia Spring 2022			City/State Collected: Artesia, NM																
Phone: 512-684-3170 Fax:		Client Project #		Lab Project # TRCATX-ARTESIA															
Collected by (print): Scott Ude/HMI Team		Site/Facility ID # (Navajo - Artesia)		P.O. #															
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #															
Immediately Packed on Ice N ☐ Y ☒				Date Results Needed		No. of Cntrs													
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time		V82600XY - 40mlAmb HCl	DROLVI - 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	Anions. TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres			
MW-4A	Grab	GW				13	x	x	x	x	x	x				x			
MW-5A	Grab	GW				11	x	x	x	x	x	x							
MW-7A	Grab	GW				11	x	x	x	x	x	x							
OCD-8A	Grab	GW				12	x	x	x		x	x	x	x					
DUP-EP-01	Grab	GW				11	x	x	x	x	x	x							
DUP-EP-02	Grab	GW				11	x	x	x	x	x	x							
DUP-EP-03	Grab	GW				11	x	x	x	x	x	x							
EB-EP-03	Grab	GW				11	x	x	x	x	x	x							
TRIP BLANK-EP-02	Grab	GW				1	x												
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - Wastewater DW - Drinking Water OT - Other			Remarks:			Samples returned via: ☐ UPS ☒ FedEx ☐ Courier			Tracking #			pH _____ Temp _____ Flow _____ Other _____			Sample Receipt Checklist COC Seal Present/Intact: ☒ Y ☐ N COC Signed/Accurate: ☐ Y ☒ N Bottles arrive intact: ☐ Y ☒ N Correct bottles used: ☐ Y ☒ N Sufficient volume sent: ☐ Y ☒ N If Applicable VOA Zero Headspace: ☐ Y ☒ N Preservation Correct/Checked: ☐ Y ☒ N				
Relinquished by: (Signature) 		Date: 4/13/22		Time: 0700		Received by: (Signature)			Trip Blank Received: Yes / No HCL / MeOH TBR			Temp: _____ °C Bottles Received:			If preservation required by Login: Date/Time				
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)			Temp: _____ °C Bottles Received:			If preservation required by Login: Date/Time			Hold:				
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature) 			Date: 4/14/22			Time: 0900			Condition: NCF / OK				

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752				Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com				Pres Chk		Analysis / Container / Preservative						Chain of Custody Page 6 of 25					
Report to: Julie Speer				Email To: jspeer@trccompanies.com												12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859					
Project Description: Artesia Spring 2022				City/State Collected: Artesia, NM						8270DIOXANE - 100ml Amb-NoPres						L # Table # Acctnum: TRCATX Template: T206518 Prelogin: P915556 TSR: 526 PB: Shipped Via:					
Phone: 512-684-3170 Fax:		Client Project #		Lab Project # TRCATX-ARTESIA				V82600XY - 40mlAmb HCl DROLVI - 40mlAmb-HCl-BT GRO - 40mlAmb HCl Total/Diss. Short List Metals Anions. TDS - 500mlHDPE-NoPres NO2NO3 - 250mlHDPE-H2SO4 Total /Diss. Long List Metals Cyanide - 250mlHDPEAmb-NaOH EDB - 40mlClr-NaThio						L # Table # Acctnum: TRCATX Template: T206518 Prelogin: P915556 TSR: 526 PB: Shipped Via:							
Collected by (print): Scott Ude/HMI Team		Site/Facility ID # (Navajo - Artesia)		P.O. #				8270DIOXANE - 100ml Amb-NoPres						L # Table # Acctnum: TRCATX Template: T206518 Prelogin: P915556 TSR: 526 PB: Shipped Via:							
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #		Date Results Needed		No. of Cntrs		8270DIOXANE - 100ml Amb-NoPres						L # Table # Acctnum: TRCATX Template: T206518 Prelogin: P915556 TSR: 526 PB: Shipped Via:					
Immediately Packed on Ice N ☐ Y ☒										8270DIOXANE - 100ml Amb-NoPres						L # Table # Acctnum: TRCATX Template: T206518 Prelogin: P915556 TSR: 526 PB: Shipped Via:					
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time															
MW-25		Grab	GW				9	x	x		x	x	x								
MW-1R		Grab	GW				9	x	x		x	x	x								
MW-15		Grab	GW				11	x	x	x	x	x	x								
OCD-1R		Grab	GW		4/12/22	1635	11	x	x	x	x	x	x			17					
OCD-2A		Grab	GW		4/12/22	1550	11	x	x	x	x	x	x			15					
OCD-3		Grab	GW		4/12/22	1415	13	x	x	x	x	x	x		x	14					
OCD-4		Grab	GW		4/12/22	1330	11	x	x	x	x	x	x			17					
MW-11A		Grab	GW		4/12/22	1500	11	x	x	x	x	x	x			12					
OCD-5		Grab	GW		4/12/22	1240	11	x	x	x	x	x	x			19					
MW-87		Grab	GW		4/12/22	910	11	x	x	x	x	x	x			20					
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks:		Samples returned via: ☐ UPS ☒ FedEx ☐ Courier		Tracking #		pH _____ Temp _____ Flow _____ Other _____		Sample Receipt Checklist COC Seal Present/Intact: ☒ Y ☐ N COC Signed/Accurate: ☐ Y ☐ N Bottles arrive intact: ☐ Y ☐ N Correct bottles used: ☐ Y ☐ N Sufficient volume sent: ☐ Y ☐ N If Applicable VOA Zero Headspace: ☐ Y ☐ N Preservation Correct/Checked: ☐ Y ☐ N		Relinquished by: (Signature) 		Date: 4/13/22		Time: 0700		Received by: (Signature)		Trip Blank Received: Yes / No HCL / MeOH TBR	
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Temp: °C		Bottles Received:		If preservation required by Login: Date/Time									
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature) 		Date: 4/14/22		Time: 0900		Hold:		Condition: NCF / OK							

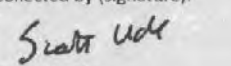
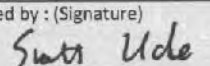
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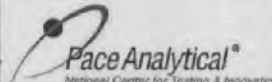
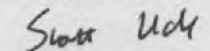
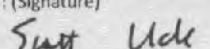
TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752			Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com			Pres Chk	Analysis / Container / Preservative										Chain of Custody Page 8 of 25	
Report to: Julie Speer			Email To: jspeer@trccompanies.com															 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859
Project Description: Artesia Spring 2022			City/State Collected: Artesia, NM															
Phone: 512-684-3170 Fax:		Client Project #		Lab Project # TRCATX-ARTESIA														L #
Collected by (print): Scott Ude/HMI Team		Site/Facility ID # (Navajo - Artesia)		P.O. #														Table #
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #														Acctnum: TRCATX Template: T20651B Prelogin: P915556 TSR: 526 PB:
Immediately Packed on Ice N ☐ Y ☒				Date Results Needed		No. of Cntrs												Shipped Via:
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time		V82600XY - 40mlAmb HCl	DROLVI - 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	Anions. TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres		Remarks Sample # (lab only)
RW-12R	Grab	GW				9	x	x		x	x	x						
MW-113	Grab	GW				16	x	x	x	x	x	x			x	x		
KWB-8	Grab	GW				10	x	x			x	x	x	x				
RW-22	Grab	GW				9	x	x		x	x	x						
RW-20A	Grab	GW				9	x	x		x	x	x						
RW-20B	Grab	GW				9	x	x		x	x	x						
RW-13R	Grab	GW				14	x	x		x	x	x			x	x		
RW-14R	Grab	GW				9	x	x		x	x	x						
MW-133	Grab	GW				11	x	x	x	x	x	x						
MW-134	Grab	GW				13	x	x	x	x	x	x				x		
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks:										pH _____ Temp _____ Flow _____ Other _____		Sample Receipt Checklist: COC Seal Present/Intact: ☒ NP ☐ Y ☐ N COC Signed/Accurate: ☐ Y ☐ N Bottles arrive intact: ☐ Y ☐ N Correct bottles used: ☐ Y ☐ N Sufficient volume sent: ☐ Y ☐ N If Applicable VOA Zero Headspace: ☐ Y ☐ N Preservation Correct/Checked: ☐ Y ☐ N				
Samples returned via: ☐ UPS ☒ FedEx ☐ Courier		Tracking #										Trip Blank Received: Yes / No HCL / MeOH TBR		If preservation required by Login: Date/Time				
Relinquished by: (Signature) 		Date: 4/13/22		Time: 0700		Received by: (Signature)		Temp: °C		Bottles Received:		Hold:		Condition: NCF / OK				
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Date:		Time:		Hold:		Condition:				
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature) 		Date:		Time:		Hold:		Condition:				

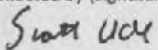
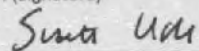
TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752				Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com				Pres Chk		Analysis / Container / Preservative V82600XY - 40ml Amb HCl DROLVI - 40ml Amb-HCl-BT GRO - 40ml Amb HCl Total/Diss. Short List Metals Anions. TDS - 500ml HDPE-NoPres NO2NO3 - 250ml HDPE-H2SO4 Total /Diss. Long List Metals Cyanide - 250ml HDPE Amb-NaOH EDB - 40ml Clr-NaThio 8270DIOXANE - 100ml Amb-NoPres								Chain of Custody Page 9 of 25  12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859 			
Report to: Julie Speer				Email To: jspeer@trccompanies.com																	
Project Description: Artesia Spring 2022				City/State Collected: Artesia, NM																	
Phone: 512-684-3170 Fax:		Client Project #		Lab Project # TRCATX-ARTESIA																	
Collected by (print): Scott Ude/HMI Team		Site/Facility ID # (Navajo - Artesia)		P.O. #																	
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #		Date Results Needed		No. of Cntrs													
Immediately Packed on Ice N ☐ Y ☒																					
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time															
RA-4798		Grab	GW				11	x				x	x	x			x	x	Only Cation		
RA-4196		Grab	GW				11	x				x	x	x			x	x	Only Cation		
RA-3156		Grab	GW				6	x				x	x	x					Only Cation		
RA-313		Grab	GW				8	x				x	x	x				x	Only Cation		
KWB-7		Grab	GW				10	x	x			x	x	x	x						
MW-20		Grab	GW				9	x	x			x	x	x							
NP-1		Grab	GW		4/12/22	1625	11	x				x	x	x			x	x	Only Cation		
MW-8		Grab	GW		4/12/22	1700	11	x	x	x		x	x	x							
MW-21		Grab	GW		4/12/22	1605	13	x	x	x		x	x	x				x			
MW-71		Grab	GW		4/12/22	1540	15	x	x			x	x	x	x		x	x			
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks: RA-4798, RA-4196, RA-3156, RA-313, NP-1 reporting Cations from Metals bottle.																			
Samples returned via: ☐ UPS ☒ FedEx ☐ Courier		Tracking #																			
Relinquished by: (Signature) 		Date: 4/13/22		Time: 0700		Received by: (Signature)				Trip Blank Received: Yes / No HCL / MeOH TBR				pH _____ Temp _____ Flow _____ Other _____				Sample Receipt Checklist COC Seal Present/Intact: ☒ NP Y N COC Signed/Accurate: ☒ Y N Bottles arrive intact: ☒ Y N Correct bottles used: ☒ Y N Sufficient volume sent: ☒ Y N If Applicable VOA Zero Headspace: ☒ Y N Preservation Correct/Checked: ☒ Y N			
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)				Temp: °C Bottles Received:				If preservation required by Login: Date/Time							
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature) 				Date: 4/14/22 Time: 0900				Hold: Condition: NCF / OK							

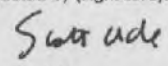
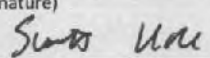
TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752						Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com						Pres Chk		Analysis / Container / Preservative										Chain of Custody		Page 10 of 25																											
Report to: Julie Speer						Email To: jspeer@trccompanies.com						12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859  Pace Analytical* National Center for Testing & Innovation L # Table # Acctnum: TRCATX Template: T206518 Prelogin: P915556 TSR: 526 PB: Shipped Via: Remarks Sample # (lab only)																																									
Project Description: Artesia Spring 2022						City/State Collected: Artesia, NM																																															
Phone: 512-684-3170			Client Project #			Lab Project #			P.O. #																					Quote #			No. of Cntrs																				
Fax:			Site/Facility ID # (Navajo - Artesia)			TRCATX-ARTESIA			Date Results Needed																																												
Collected by (print): Scott Ude/HMI Team						Collected by (signature): 						Rush? (Lab MUST Be Notified) ____ Same Day ____ Five Day ____ Next Day ____ 5 Day (Rad Only) ____ Two Day ____ 10 Day (Rad Only) ____ Three Day																																									
Immediately Packed on Ice N ____ Y ____ ☒																																																					
Sample ID		Comp/Grab		Matrix *		Depth		Date		Time																																											
MW-68		Grab		GW				4/12/22		905		9		x		x				x		x		x																													
MW-27		Grab		GW				4/12/22		955		9		x		x				x		x		x																													
MW-89		Grab		GW				4/12/22		1135		9		x		x				x		x		x																													
MW-16		Grab		GW				4/12/22		1230		9		x		x				x		x		x																													
MW-26		Grab		GW				4/12/22		1045		9		x		x				x		x		x																													
KWB-11A		Grab		GW								17		x		x		x		x		x		x		x		x																									
KWB-11B		Grab		GW								17		x		x		x		x		x		x		x		x																									
MW-115		Grab		GW								11		x		x		x		x		x																															
MW-114		Grab		GW								16		x		x		x		x		x				x		x																									
MW-125		Grab		GW								11		x		x		x		x		x																															
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other _____						Remarks: Samples returned via: _____ ____ UPS ☒ FedEx _____ Courier _____																		Tracking # _____										pH _____ Temp _____ Flow _____ Other _____										Sample Receipt Checklist COC Seal Present/Intact: ☒ Y ☐ N COC Signed/Accurate: ☒ Y ☐ N Bottles arrive intact: ☒ Y ☐ N Correct bottles used: ☒ Y ☐ N Sufficient volume sent: ☒ Y ☐ N If Applicable VDA Zero Headspace: ☒ Y ☐ N Preservation Correct/Checked: ☒ Y ☐ N									
Relinquished by: (Signature) 						Date: 4/13/22		Time: 0700		Received by: (Signature) 						Trip Blank Received: Yes / No HCL / MeOH TSR						Date: 4/13/22 Time: 0900										Hold:										Condition: NCF / OK											
Relinquished by: (Signature)						Date:		Time:		Received by: (Signature)						Temp: °C						Bottles Received:						If preservation required by Login: Date/Time																									
Relinquished by: (Signature)						Date:		Time:		Received for lab by: (Signature)						Date:						Time:						Hold:										Condition: NCF / OK															

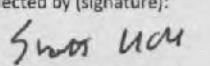
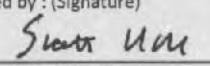
TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752				Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com				Pres Chk		Analysis / Container / Preservative										Chain of Custody		Page 11 of 25								
Report to: Julie Speer				Email To: jspeer@trccompanies.com																Pace Analytical® National Center for Testing & Innovation		12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859								
Project Description: Artesia Spring 2022				City/State Collected: Artesia, NM																										
Phone: 512-684-3170 Fax:				Client Project #				Lab Project # TRCATX-ARTESIA																						
Collected by (print): Scott Ude/HMI Team				Site/Facility ID # (Navajo - Artesia)				P.O. #																						
Collected by (signature): <i>Scott Ude</i>				Rush? (Lab MUST Be Notified) ____ Same Day ____ Five Day ____ Next Day ____ 5 Day (Rad Only) ____ Two Day ____ 10 Day (Rad Only) ____ Three Day				Quote #		Date Results Needed																				
Immediately Packed on Ice N ____ Y ____																														
Sample ID				Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V82600XY - 40mlAmb HCl	DROLVI - 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	Anions. TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total/Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	L #	Table #	Acctnum: TRCATX	Template: T206518	Prelogin: P915556	TSR: 526	PB:	Shipped Via:	Remarks	Sample # (lab only)	
DUP-REST-01				Grab	GW				16	x	x	x	x	x	x			x	x											
EB-REST-01				Grab	GW				16	x	x	x	x	x	x			x	x											
DUP-REST-03				Grab	GW				13	x	x	x	x	x	x					x										
EB-REST-03				Grab	GW				13	x	x	x	x	x	x					x										
TRIP BLANK-REST-01				Grab	GW				1	x																				
TRIP BLANK-TMD-01				Grab	GW		4/12/22	—	1	x																			35	
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other _____				Remarks: pH _____ Temp _____ Flow _____ Other _____ Samples returned via: ____ UPS ☒ FedEx ____ Courier _____ Tracking # _____																Sample Receipt Checklist ☒ COC Seal Present/Intact: ____ NP ____ Y ____ N ____ ☒ COC Signed/Accurate: ____ Y ____ N ____ ☒ Bottles arrive intact: ____ Y ____ N ____ ☒ Correct bottles used: ____ Y ____ N ____ ☒ Sufficient volume sent: ____ Y ____ N ____ ☒ If Applicable VOA Zero Headspace: ____ Y ____ N ____ Preservation Correct/Checked: ____ Y ____ N ____										
Relinquished by: (Signature) <i>Scott Ude</i>				Date: 4/13/22	Time: 0700	Received by: (Signature) <i>[Signature]</i>				Trip Blank Received: Yes / No HCL / MeOH TBR				Temp: °C Bottles Received:				If preservation required by Login: Date/Time												
Relinquished by: (Signature)				Date:	Time:	Received by: (Signature)				Temp: °C Bottles Received:				If preservation required by Login: Date/Time																
Relinquished by: (Signature)				Date:	Time:	Received for lab by: (Signature) <i>[Signature]</i>				Date: 4/14/22 Time: 0900				Hold:				Condition: NCF / OK												

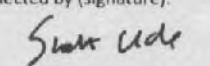
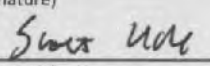
TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752				Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com				Pres Chk		Analysis / Container / Preservative										Chain of Custody Page 12 of 25	
Report to: Julie Speer				Email To: jspeer@trccompanies.com																 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859	
Project Description: Artesia Spring 2022				City/State Collected: Artesia, NM																	
Phone: 512-684-3170 Fax:		Client Project #		Lab Project # TRCATX-ARTESIA														L#			
Collected by (print): Scott Ude/HMI Team		Site/Facility ID # (Navajo - Artesia)		P.O. #														Table #			
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #		Date Results Needed														Acctnum: TRCATX Template: T206518 Prelogin: P915556 TSR: 526 PB:	
Immediately Packed on Ice N ☐ Y ☒																				Shipped Via:	
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	Cntrs											Remarks		Sample # (lab only)	
MW-117	Grab	GW		4/12/22	1405	13	x	x	x	x	x	x				x	36				
MW-118	Grab	GW		4/12/22	1320	11	x	x	x	x	x	x					37				
MW-119	Grab	GW		4/12/22	1235	11	x	x	x	x	x	x					38				
MW-136	Grab	GW		4/12/22	1250	12	x	x	x		x	x	x	x			39				
MW-126A	Grab	GW				11	x	x	x	x	x	x				LNAPL					
MW-126B	Grab	GW		4/12/22	1110	16	x	x	x	x	x	x			x	x	40				
MW-127	Grab	GW				16	x	x	x	x	x	x			x	x	LNAPL				
MW-129	Grab	GW				11	x	x	x	x	x	x			(Not located; road appears to have been graded)						
KWB-1A	Grab	GW				10	x	x			x	x	x	x			LNAPL				
KWB-10R	Grab	GW				11	x	x			x	x	x		x		LNAPL				
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks:				Samples returned via: UPS ☐ FedEx ☒ Courier				Tracking #				pH _____ Temp _____ Flow _____ Other _____				Sample Receipt Checklist COC Seal Present/Intact: ☒ Y ☐ N COC Signed/Accurate: ☒ Y ☐ N Bottles arrive intact: ☒ Y ☐ N Correct bottles used: ☒ Y ☐ N Sufficient volume sent: ☒ Y ☐ N VOA Zero Headspace: ☒ Y ☐ N Preservation Correct/Checked: ☒ Y ☐ N			
Relinquished by: (Signature) 		Date: 4/13/22		Time: 0700		Received by: (Signature)		Trip Blank Received: Yes / No HCL / MeOH TBR												If preservation required by Login: Date/Time	
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Temp: °C Bottles Received:												Hold:	
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature)		Date: Time:												Condition: NCF / OK	

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752			Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com			Pres Chk		Analysis / Container / Preservative										Chain of Custody Page 13 of 25			
Report to: Julie Speer			Email To: jspeer@trccompanies.com					C2 C2 C2 RCY 7/2										 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859			
Project Description: Artesia Spring 2022			City/State Collected: Artesia, NM																		
Phone: 512-684-3170 Fax:		Client Project #		Lab Project # TRCATX-ARTESIA														L #			
Collected by (print): Scott Ude/HMI Team		Site/Facility ID # (Navajo - Artesia)		P.O. #														Table #			
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #		Date Results Needed														Acctnum: TRCATX Template: T206518 Prelogin: P915556 TSR: 526 PB:	
Immediately Packed on Ice N ☐ Y ☒																				Shipped Via:	
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V82600XY - 40mlAmb HCl	DROLVI - 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	Anions. TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)		
MW-131		Grab	GW				11	x	x	x	x	x	x					LMAPL			
KWB-5		Grab	GW				9	x	x		x	x	x					LMAPL			
MW-111		Grab	GW				16	x	x	x	x	x	x			x	x	LMAPL			
KWB-6		Grab	GW				12	x	x		x	x	x			x	x	LMAPL			
MW-112		Grab	GW				11	x	x	x	x	x	x					LMAPL			
MW-132		Grab	GW				11	x	x	x	x	x	x					LMAPL			
MW-57		Grab	GW		4/12/22	1135	11	x	x	x	x	x	x						41		
RW-#11-0		Grab	GW				9	x	x		x	x	x					Well Dry			
KWB-12A		Grab	GW				12	x	x	x		x	x	x	x			Well Dry			
KWB-12B		Grab	GW		4/12/22	1025	12	x	x	x		x	x	x	x				42		
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks:		Samples returned via: ☐ UPS ☒ FedEx ☐ Courier		Tracking #		pH _____ Temp _____ Flow _____ Other _____										Sample Receipt Checklist COC Seal Present/Intact: ☒ NP ☐ N COC Signed/Accurate: ☐ Y ☐ N Bottles arrive intact: ☐ Y ☐ N Correct bottles used: ☐ Y ☐ N Sufficient volume sent: ☐ Y ☐ N If Applicable VOA Zero Headspace: ☐ Y ☐ N Preservation Correct/Checked: ☐ Y ☐ N			
Relinquished by : (Signature) 		Date: 4/13/22		Time: 0700		Received by: (Signature)		Trip Blank Received: Yes / No HCL / MeOH TBR										If preservation required by Login: Date/Time			
Relinquished by : (Signature)		Date:		Time:		Received by: (Signature)		Temp: °C Bottles Received:										Hold:			
Relinquished by : (Signature)		Date:		Time:		Received for lab by: (Signature) 		Date: 4/14/22 Time: 0900										Condition: NCF / OK			

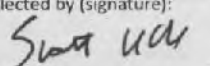
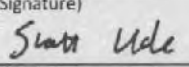
TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752			Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com			Pres Chk			Analysis / Container / Preservative								Chain of Custody Page 14 of 25				
Report to: Julie Speer			Email To: jspeer@trccompanies.com																		
Project Description: Artesia Spring 2022			City/State Collected: Artesia, NM											12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859							
Phone: 512-684-3170 Fax:		Client Project #		Lab Project # TRCATX-ARTESIA																	
Collected by (print): Scott Ude/HMI Team		Site/Facility ID # (Navajo - Artesia)		P.O. #										L #							
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #										Table #							
Immediately Packed on Ice N ☐ Y ☒				Date Results Needed		No. of Cntrs										Acctnum: TRCATX Template: T206518 Prelogin: P915556 TSR: 526 PB:					
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V82600XY - 40mlAmb HCl	DROLVI - 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	Anions. TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total/Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Shipped Via:	Remarks	Sample # (lab only)	
KWB-2R		Grab	GW	4/12/22	11	11	x	x	x	x	x	x	x	x	x	x	x	Likely covered by dirt work and/or damaged new fence	43		
MW-58		Grab	GW	4/12/22	10	10	x	x	x	x	x	x	x	x	x	x	x	LNAPL	44		
KWB-13		Grab	GW	4/12/22	1400	10	x	x	x	x	x	x	x	x	x	x	x	45	45		
DUP-REST-05		Grab	GW	4/12/22	1200	11	x	x	x	x	x	x	x	x	x	x	x	45	45		
EB-REST-05		Grab	GW	4/12/22	1045	11	x	x	x	x	x	x	x	x	x	x	x	45	45		
TRIP BLANK-REST-02		Grab	GW			1	x											33			
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks:																			
Samples returned via: ☐ UPS ☒ FedEx ☐ Courier		Tracking #																			
Relinquished by : (Signature) 		Date: 4/13/22		Time: 0700		Received by: (Signature)				Trip Blank Received: Yes / No HCL / MeOH TBR				Temp: °C Bottles Received:				If preservation required by Login: Date/Time			
Relinquished by : (Signature)		Date:		Time:		Received by: (Signature)				Temp: °C Bottles Received:				If preservation required by Login: Date/Time							
Relinquished by : (Signature)		Date:		Time:		Received for lab by: (Signature) 				Date: 4/14/22 Time: 0900				Hold: Condition: NCF / OK							

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752				Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com				Pres Chk		Analysis / Container / Preservative						Chain of Custody Page 15 of 25	
Report to: Julie Speer				Email To: jspeer@trccompanies.com						 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859							
Project Description: Artesia Spring 2022				City/State Collected: Artesia, NM						12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859							
Phone: 512-684-3170 Fax:		Client Project #		Lab Project # TRCATX-ARTESIA				12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859									
Collected by (print): Scott Ude/HMI Team		Site/Facility ID # (Navajo - Artesia)		P.O. #				12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859									
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #		Date Results Needed		12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859									
Immediately Packed on Ice N ☐ Y ☒								12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859									
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859									
MW-103		Grab	GW				11	x	x	x	x	x	x				
MW-104		Grab	GW				13	x	x	x	x	x	x		x		
MW-64		Grab	GW				11	x	x	x	x	x	x				
MW-65		Grab	GW				11	x	x	x	x	x	x				
RW-5R		Grab	GW				9	x	x		x	x	x				
MW-102		Grab	GW				16	x	x	x	x	x	x		x	x	
RW-4		Grab	GW				9	x	x		x	x	x				
RW-6		Grab	GW				9	x	x		x	x	x				
MW-99		Grab	GW				11	x	x	x	x	x	x				
MW-66		Grab	GW				12	x	x	x		x	x	x	x		
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks:						pH _____ Temp _____ Flow _____ Other _____						Sample Receipt Checklist COC Seal Present/Intact: ☒ Y ☐ N COC Signed/Accurate: ☐ Y ☐ N Bottles arrive intact: ☐ Y ☐ N Correct bottles used: ☐ Y ☐ N Sufficient volume sent: ☐ Y ☐ N If Applicable VOA Zero Headspace: ☐ Y ☐ N Preservation Correct/Checked: ☐ Y ☐ N			
Samples returned via: ☐ UPS ☒ FedEx ☐ Courier		Tracking #						Trip Blank Received: Yes / No HCL / MeOH TBR						If preservation required by Login: Date/Time			
Relinquished by: (Signature) 		Date: 4/13/22		Time: 0700		Received by: (Signature)		Temp: _____ °C Bottles Received:						Hold:		Condition: NCF / OK	
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Date: 4/14/22 Time: 0900						Hold:		Condition:	
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature)		Date: 4/14/22 Time: 0900						Hold:		Condition:	

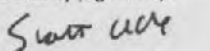
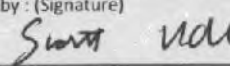
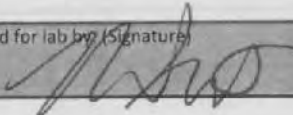
TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752				Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com				Pres Chk		Analysis / Container / Preservative								Chain of Custody Page 16 of 25	
Report to: Julie Speer				Email To: jspeer@trccompanies.com														 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859	
Project Description: Artesia Spring 2022				City/State Collected: Artesia, NM															
Phone: 512-684-3170 Fax:		Client Project #		Lab Project # TRCATX-ARTESIA															
Collected by (print): Scott Ude/HMI Team		Site/Facility ID # (Navajo - Artesia)		P.O. #															
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #		Date Results Needed		No. of Cntrs											
Immediately Packed on Ice N ☐ Y ☒																			
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time													
MW-28		Grab	GW				14	x	x	x		x	x	x	x		x		
MW-59		Grab	GW				11	x	x	x	x	x	x						
MW-60		Grab	GW				17	x	x	x		x	x	x	x	x	x	LNAPL	
MW-107		Grab	GW				11	x	x	x	x	x	x						
MW-128		Grab	GW				13	x	x	x	x	x	x				x		
MW-116		Grab	GW		4/12/22	1600	11	x	x	x	x	x	x						46
MW-46R		Grab	GW		4/12/22	1655	9	x	x		x	x	x						47
RW-#18A		Grab	GW				7	x			x	x	x					Well Dry	
MW-145		Grab	GW		4/12/22	1005	10	x	x	x	x	x							48
MW-146		Grab	GW		4/12/22	1100	10	x	x	x	x	x							49
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks:																	
Samples returned via: ☐ UPS ☒ FedEx ☐ Courier		Tracking #																	
Relinquished by: (Signature) 		Date: 4/13/22		Time: 0700		Received by: (Signature)		Trip Blank Received: Yes / No HCL / MeOH TBR		Temp: °C		Bottles Received:		If preservation required by Login: Date/Time		Hold:		Condition: NCF / OK	
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Temp: °C		Bottles Received:		If preservation required by Login: Date/Time		Hold:		Condition:		NCF / OK	
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature) 		Date: 4/14/22		Time: 0900		Hold:		Condition:		NCF / OK			

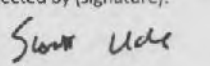
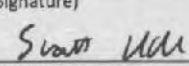
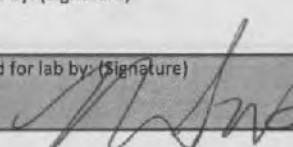
TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752				Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com				Pres Chk		Analysis / Container / Preservative 62 62 62 Recy 719								Chain of Custody Page 17 of 25 	
Report to: Julie Speer				Email To: jspeer@trccompanies.com														12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859	
Project Description: Artesia Spring 2022				City/State Collected: Artesia, NM															
Phone: 512-684-3170 Fax:		Client Project #		Lab Project # TRCATX-ARTESIA															
Collected by (print): Scott Ude/HMI Team		Site/Facility ID # (Navajo - Artesia)		P.O. #															
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #		Date Results Needed		No. of Cntrs											
Immediately Packed on Ice N ☐ Y ☒																			
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time													
MW-135		Grab	GW		4/12/22	1225	13	x	x	x	x	x	x			x			
MW-147		Grab	GW		4/12/22	1320	10	x	x	x	x	x							
MW-148		Grab	GW		4/12/22	1410	10	x	x	x	x	x							
UG-3R		Grab	GW				12	x	x	x		x	x	x	x				
UG-4		Grab	GW				12	x	x	x		x	x	x	x				
UG-1		Grab	GW				14	x	x	x		x	x	x	x	x			
UG-2		Grab	GW				12	x	x			x	x	x	x				
DUP-REST-02		Grab	GW				16	x	x	x	x	x	x			x	x		
EB-REST-02		Grab	GW				16	x	x	x	x	x	x			x	x		
DUP-REST-04		Grab	GW		4/12/22	1200	10	x	x	x	x	x							
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks: Samples returned via: ☐ UPS ☒ FedEx ☐ Courier																	
Relinquished by: (Signature) 		Date: 4/13/22		Time: 0700		Received by: (Signature)		Trip Blank Received: Yes / No HCL / MeOH TBR											
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Temp: °C Bottles Received:		If preservation required by Login: Date/Time									
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature) 		Date: 4/14/22 Time: 0900		Hold:								Condition: NCF / OK	

[illegible]

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752			Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com			Pres Chk		Analysis / Container / Preservative								Chain of Custody Page 19 of 25				
Report to: Julie Speer			Email To: jspeer@trccompanies.com													12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859				
Project Description: Artesia Spring 2022			City/State Collected: Artesia, NM																	
Phone: 512-684-3170 Fax:			Client Project #			Lab Project # TRCATX-ARTESIA										L #				
Collected by (print): Scott Ude/HMI Team			Site/Facility ID # (Navajo - Artesia)			P.O. #										Table #				
Collected by (signature): 			Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day			Quote #										Acctnum: TRCATX Template: T206518 Prelogin: P915556 TSR: 526 PB:				
Immediately Packed on Ice N ☐ Y ☒			Date Results Needed			No. of Cntrs										Shipped Via:				
Sample ID			Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V82600XY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	Anions. TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270TX/8270DIOXANE - 100ml Amb-NoPr	Remarks	Sample # (lab only)
MW-101			Grab	GW				13	x	x	x	x	x	x				x	No SVOCs	
MW-105			Grab	GW				11	x	x	x	x	x	x						
RW-2			Grab	GW				15	x	x	x	x	x	x				x		
MW-61			Grab	GW				15	x	x	x	x	x	x				x		
MW-62			Grab	GW		4/12/22	1305	18	x	x	x	x	x	x			x	x		56
MW-62R			Grab	GW		4/12/22	1405	12	x	x	x	x	x	x						57
MW-93			Grab	GW				16	x	x	x	x	x	x				x		
MW-43			Grab	GW				19	x	x	x		x	x	x	x	x	x	L NAPL	
MW-137			Grab	GW				14	x	x	x		x	x	x	x	x	x	No 1,4-D L NAPL	
MW-137A			Grab	GW				12	x	x	x		x	x	x	x			L NAPL	
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other			Remarks: Samples returned via: ☐ UPS ☒ FedEx ☐ Courier			Tracking #			pH _____ Temp _____ Flow _____ Other _____			Sample Receipt Checklist COC Seal Present/Intact: ☒ Y ☐ N COC Signed/Accurate: ☐ Y ☐ N Bottles arrive intact: ☐ Y ☐ N Correct bottles used: ☐ Y ☐ N Sufficient volume sent: ☐ Y ☐ N If Applicable VQA Zero Headspace: ☐ Y ☐ N Preservation Correct/Checked: ☐ Y ☐ N								
Relinquished by: (Signature) 			Date: 4/13/22	Time: 0700	Received by: (Signature) 			Trip Blank Received: Yes / No HCL / MeOH TBR			Temp: _____ °C Bottles Received:			If preservation required by Login: Date/Time						
Relinquished by: (Signature)			Date:	Time:	Received by: (Signature)			Date:			Time:			Hold:						
Relinquished by: (Signature)			Date:	Time:	Received for lab by: (Signature)			Date:			Time:			Condition: NCF / OK						

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752				Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com				Pres Chk		Analysis / Container / Preservative										Chain of Custody Page 20 of 25	
Report to: Julie Speer				Email To: jspeer@trccompanies.com																 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859 	
Project Description: Artesia Spring 2022				City/State Collected: Artesia, NM																	
Phone: 512-684-3170 Fax:				Client Project #				Lab Project # TRCATX-ARTESIA													
Collected by (print): Scott Ude/HMI Team				Site/Facility ID # (Navajo - Artesia)				P.O. #													
Collected by (signature): <i>Scott Ude</i>				Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day				Quote #													
Immediately Packed on Ice N ☐ Y ☒				Date Results Needed				No. of Cntrs													
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time															
MW-138		Grab	GW				16	x	x	x		x	x	x	x	x	x		LNAPL		
MW-138A		Grab	GW				12	x	x	x		x	x	x	x	x	x		LNAPL		
MW-23		Grab	GW				15	x	x	x	x	x	x	x	x	x	x		LNAPL		
TEL-4		Grab	GW		4/12/22	925	13	x	x	x	x	x	x	x	x	x	x		No SVOCs	58	
TEL-3		Grab	GW				11	x	x	x	x	x	x	x	x	x	x		LNAPL		
TEL-2		Grab	GW				11	x	x	x	x	x	x	x	x	x	x		LNAPL		
TEL-1		Grab	GW				11	x	x	x	x	x	x	x	x	x	x		LNAPL		
MW-39		Grab	GW				13	x	x	x	x	x	x	x	x	x	x		No SVOCs	LNAPL	
MW-98		Grab	GW		4/12/22	1035	11	x	x	x	x	x	x	x	x	x	x			59	
RW-10		Grab	GW				13	x	x	x	x	x	x	x	x	x	x		No SVOCs	LNAPL	
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other				Remarks: Samples returned via: ☐ UPS ☒ FedEx ☐ Courier				Tracking #				pH _____ Temp _____ Flow _____ Other _____				Sample Receipt Checklist COC Seal Present/Intact: ☒ Y ☐ N COC Signed/Accurate: ☐ Y ☐ N Bottles arrive intact: ☐ Y ☐ N Correct bottles used: ☐ Y ☐ N Sufficient volume sent: ☐ Y ☐ N If Applicable VOA Zero Headspace: ☐ Y ☐ N Preservation Correct/Checked: ☐ Y ☐ N					
Relinquished by: (Signature) <i>Scott Ude</i>		Date: 4/13/22	Time: 0700	Received by: (Signature)		Trip Blank Received: Yes / No HCL / MeOH TBR		Temp: _____ °C Bottles Received:				If preservation required by Login: Date/Time									
Relinquished by: (Signature)		Date:	Time:	Received by: (Signature)		Temp: _____ °C Bottles Received:		Hold:				Condition: NCF / OK									
Relinquished by: (Signature)		Date:	Time:	Received for lab by: (Signature) <i>[Signature]</i>		Date: 4/14/20 Time: 0900															

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752			Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com			Pres Chk			Analysis / Container / Preservative										Chain of Custody Page 21 of 25	
Report to: Julie Speer			Email To: jspeer@trccompanies.com																12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859	
Project Description: Artesia Spring 2022			City/State Collected: Artesia, NM						V82600XY - 40ml/Amb HCl DROLVI - 40ml/Amb-HCl-BT GRO - 40ml/Amb HCl Total/Diss. Short List Metals Anions, TDS - 500mlHDPE-NoPres NO2NO3 - 250mlHDPE-H2SO4 Total /Diss. Long List Metals Cyanide - 250mlHDPEAmb-NaOH EDB - 40mlClr-NaThio 8270DIOXANE - 100ml Amb-NoPres											
Phone: 512-684-3170 Fax:			Client Project #			Lab Project # TRCATX-ARTESIA													L #	
Collected by (print): Scott Ude/HMI Team			Site/Facility ID # (Navajo - Artesia)			P.O. #													Table #	
Collected by (signature): 			Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day			Quote #													Acctnum: TRCATX Template: T206518 Prelogin: P915556 TSR: 526 PB:	
Immediately Packed on Ice N ☐ Y ☒			Date Results Needed			No. of Cntrs													Shipped Via:	
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time													Remarks	Sample # (lab only)	
MW-40	Grab	GW				13	x	x	x	x	x	x								
MW-41	Grab	GW				13	x	x	x	x	x	x								
RW-9	Grab	GW				16	x	x	x	x	x	x			x					
MW-42	Grab	GW		4/12/22	1600	13	x	x	x	x	x	x							60	
MW-29	Grab	GW		4/12/22	1455	13	x	x	x	x	x	x							61	
RW-#16B	Grab	GW				11	x	x		x	x	x			x		Well Dry			
MW-56	Grab	GW				9	x	x		x	x	x								
MW-49	Grab	GW				14	x	x	x		x	x	x	x						
MW-106	Grab	GW				13	x	x	x	x	x	x								
MW-45	Grab	GW				12	x	x			x	x	x	x						
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other			Remarks:			Samples returned via: ☐ UPS ☒ FedEx ☐ Courler			Tracking #			pH _____ Temp _____ Flow _____ Other _____			Sample Receipt Checklist COC Seal Present/Intact: ☒ NP ☐ Y ☐ N COC Signed/Accurate: ☐ Y ☐ N Bottles arrive intact: ☐ Y ☐ N Correct bottles used: ☐ Y ☐ N Sufficient volume sent: ☐ Y ☐ N If Applicable VOA Zero Headspace: ☐ Y ☐ N Preservation Correct/Checked: ☐ Y ☐ N					
Relinquished by: (Signature) 			Date: 4/13/22			Time: 0700			Received by: (Signature)			Trip Blank Received: Yes/No HCL/MeOH TBR			If preservation required by Login: Date/Time					
Relinquished by: (Signature)			Date:			Time:			Received by: (Signature)			Temp: °C Bottles Received:			Hold:					
Relinquished by: (Signature)			Date:			Time:			Received for lab by: (Signature) 			Date: 4/14/22			Time: 0900			Condition: NCF / OK		

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752			Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com			Pres Chk		Analysis / Container / Preservative										Chain of Custody Page 22 of 25		
Report to: Julie Speer			Email To: jspeer@trccompanies.com					62 22 22 P512										 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859		
Project Description: Artesia Spring 2022			City/State Collected: Artesia, NM															L # Table # Acctnum: TRCATX Template: T206518 Prelogin: P915556 TSR: 526 PB:		
Phone: 512-684-3170 Fax:			Client Project #			Lab Project # TRCATX-ARTESIA												Shipped Via:		
Collected by (print): Scott Ude/HMI Team			Site/Facility ID # (Navajo - Artesia)			P.O. #												Remarks Sample # (lab only)		
Collected by (signature):  Immediately Packed on Ice N ☐ Y ☒			Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day			Quote # Date Results Needed														
Sample ID			Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V82600XY - 40mlAmb HCl	DROLVI - 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	Anions. TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres		
DUP-TEL-01	Grab	GW		4/12/22	800	13		x	x	x	x	x	x	x				x		
EB-TEL-01	Grab	GW		4/12/22	940	13		x	x	x	x	x	x	x				x		
TRIP BLANK-REST-04	Grab	GW				1		x												
TRIP BLANK-TEL-01	Grab	GW		4/12/22	—	1		x												
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other			Remarks:			Samples returned via: ☐ UPS ☒ FedEx ☐ Courier			Tracking #			pH _____ Temp _____ Flow _____ Other _____			Sample Receipt Checklist COC Seal Present/Intact: ☒ NP ☐ Y ☐ N COC Signed/Accurate: ☐ Y ☐ N Bottles arrive intact: ☐ Y ☐ N Correct bottles used: ☐ Y ☐ N Sufficient volume sent: ☐ Y ☐ N If Applicable VOA Zero Headspace: ☐ Y ☐ N Preservation Correct/Checked: ☐ Y ☐ N					
Relinquished by: (Signature) 			Date: 4/13/22			Time: 0700			Received by: (Signature)			Trip Blank Received: Yes / No HCL / MeOH TBR			Temp: _____ °C Bottles Received:			If preservation required by Login: Date/Time		
Relinquished by: (Signature)			Date:			Time:			Received by: (Signature)			Temp: _____ °C Bottles Received:			If preservation required by Login: Date/Time					
Relinquished by: (Signature)			Date:			Time:			Received for lab by: (Signature) 			Date: 4/14/22 Time: 0900			Hold:			Condition: NCF / OK		

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752				Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com				Pres Chk		Analysis / Container / Preservative										Chain of Custody		Page 23 of 25							
Report to: Julie Speer				Email To: jspeer@trccompanies.com																Pace Analytical® National Center for Testing & Innovation		12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859							
Project Description: Artesia Spring 2022				City/State Collected: Artesia, NM																									
Phone: 512-684-3170 Fax:				Client Project #				Lab Project # TRCATX-ARTESIA																					
Collected by (print): Scott Ude/HMI Team				Site/Facility ID # (Navajo - Artesia)				P.O. #																					
Collected by (signature): <i>Scott Ude</i>				Rush? (Lab MUST Be Notified) ____ Same Day ____ Five Day ____ Next Day ____ 5 Day (Rad Only) ____ Two Day ____ 10 Day (Rad Only) ____ Three Day				Quote #		Date Results Needed																			
Immediately Packed on Ice N ____ Y ____																													
Sample ID				Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V82600XY - 40mlAmb HCl	DROLVI - 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	Anions. TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270/8270DIOXANE - 100ml Amb-NoPres	L #	Table #	Acctnum: TRCATX	Template: T206518	Prelogin: P915556	TSR: 526	PB:	Shipped Via:	Remarks	Sample # (lab only)
MW-139				Grab	GW		4/12/22	1410	13	x	x	x	x	x	x			x	x	No SVOCs	65								
MW-50				Grab	GW		4/12/22	1300	14	x	x		x	x	x			x	x	No SVOCs	66								
MW-97				Grab	GW				13	x	x	x	x	x	x			x	x	No 1,4-D	No Access								
MW-92				Grab	GW				13	x	x	x	x	x	x			x	x	No SVOCs	LNAPL								
RW-1				Grab	GW				13	x	x	x	x	x	x			x	x	No SVOCs	LNAPL								
MW-91				Grab	GW				13	x	x	x	x	x	x			x	x	No SVOCs	LNAPL								
MW-90				Grab	GW		4/12/22	1310	13	x	x	x	x	x	x			x	x	No SVOCs	67								
MW-96				Grab	GW		4/12/22	1200	11	x	x	x	x	x	x						68								
MW-94				Grab	GW				13	x	x	x	x	x	x			x	x	No SVOCs	LNAPL								
RW-8				Grab	GW				14	x	x		x	x	x			x	x	No SVOCs	LNAPL								
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other				Remarks: Samples returned via: ____ UPS ____ FedEx ____ Courier				Tracking #				pH ____ Temp ____ Flow ____ Other ____				Sample Receipt Checklist: COC Seal Present/Intact: ____ NP ____ Y ____ COC Signed/Accurate: ____ Y ____ N ____ Bottles arrive intact: ____ Y ____ N ____ Correct bottles used: ____ Y ____ N ____ Sufficient volume sent: ____ Y ____ N ____ If Applicable: VOA Zero Headspace: ____ Y ____ N ____ Preservation Correct/Checked: ____ Y ____ N ____													
Relinquished by: (Signature) <i>Scott Ude</i>				Date: 4/13/22	Time: 0700	Received by: (Signature)				Trip Blank Received: Yes / No HCL / MeOH TBR				Temp: ____ °C Bottles Received:				If preservation required by Login: Date/Time											
Relinquished by: (Signature)				Date:	Time:	Received by: (Signature)																							
Relinquished by: (Signature)				Date:	Time:	Received for lab by: (Signature)				Date: 4/14/22 Time: 0900				Hold:				Condition: NCF / OK											

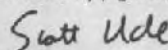
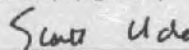
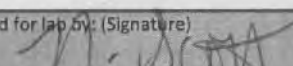
Released to Imaging: 10/3/2023 9:34:19 AM

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752				Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com				Pres Chk		Analysis / Container / Preservative								Chain of Custody Page 25 of 25	
										V82600XY - 40ml Amb HCl DROLVI - 40ml Amb-HCl-BT GRO - 40ml Amb HCl Total/Diss. Short List Metals Anions. TDS - 500ml HDPE-NoPres NO2NO3 - 250ml HDPE-H2SO4 Total/Diss. Long List Metals Cyanide - 250ml HDPEAmb-NaOH EDB - 40ml Clr-NaThio 8270DIOXANE - 100ml Amb-NoPres								 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859	
Report to: Julie Speer				Email To: jspeer@trccompanies.com															
Project Description: Artesia Spring 2022				City/State Collected: Artesia, NM															
Phone: 512-684-3170		Client Project #		Lab Project # TRCATX-ARTESIA															
Fax:																			
Collected by (print): Scott Ude/HMI Team		Site/Facility ID # (Navajo - Artesia)		P.O. #															
Collected by (signature): <i>Scott Ude</i>		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #															
Immediately Packed on Ice N ☐ Y ☒				Date Results Needed		No. of Cntrs													
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time														
RW-#17A	Grab	GW				13	x	x	x	x	x	x			x		Well Dry		
MW-18	Grab	GW		4/12/22	1230	10	x	x			x	x	x	x			75		
MW-54A	Grab	GW		4/12/22	1550	11	x	x		x	x	x			x		76		
NCL-49	Grab	GW		4/12/22	1325	11	x	x		x	x	x			x		77		
MW-53R	Grab	GW		4/12/22	1430	11	x	x		x	x	x			x		78		
DUP-NCL-01	Grab	GW		4/12/22	1006	11	x	x		x	x	x			x		79		
EB-NCL-01	Grab	GW		4/12/22	1345	11	x	x		x	x	x			x		80		
TRIP BLANK-NCL-01	Grab	GW		4/12/22		1	x										81		
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks:		Samples returned via: ☐ UPS ☒ FedEx ☐ Courier				Tracking #				pH _____ Temp _____ Flow _____ Other _____				Sample Receipt Checklist CDC Seal Present/Intact: ☒ Y ☐ N CDC Signed/Accurate: ☐ Y ☒ N Bottles arrive intact: ☐ Y ☒ N Correct bottles used: ☐ Y ☒ N Sufficient volume sent: ☐ Y ☒ N If Applicable VOA Zero Headspace: ☐ Y ☒ N Preservation Correct/Checked: ☐ Y ☒ N			
Relinquished by: (Signature) <i>Scott Ude</i>		Date: 4/13/22		Time: 0700		Received by: (Signature)		Trip Blank Received: Yes/No HCL / MeOH TBR		Temp: _____ °C Bottles Received:				If preservation required by Login: Date/Time					
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Date: _____ Time: _____		Hold:				Condition: NCF / OK					
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature) <i>[Signature]</i>		Date: 4/14/22 Time: 0900											

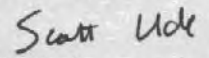
<u>Tracking Numbers</u>	<u>Temperature</u>
5671 5382 4558	2.9
5719 6175 2889	1.0
5719 6175 6450	0.2
5719 6175 7402	2.5
5671 5382 8624	1.2
5671 5382 5657	1.0

<u>Tracking Numbers</u>		<u>Temperature</u>
5719 61752915		2.1
5719 61752926		1.6
5719 61758890		3.3
5671 5382 6035		0.5
5719 6175 3430		1.0
5671 5382 5640		5.6

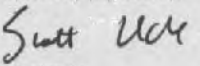
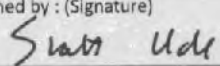
<u>Tracking Numbers</u>		<u>Temperature</u>
5719 6175 0510		2.9
5719 6175 8589		3.2
5719 6175 2870		2.9
5719 6175 6170		3.4
5719 6175 6580		2.5
5719 6175 3440		1.3

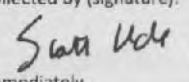
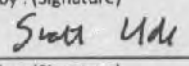
TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752			Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com			Pres Chk			Analysis / Container / Preservative V82600XY - 40mlAmb HCl DROLVI - 40mlAmb-HCl-BT GRO - 40mlAmb HCl Total/Diss. Short List Metals Anions. TDS - 500mlHDPE-NoPres NO2NO3 - 250mlHDPE-H2SO4 Total /Diss. Long List Metals Cyanide - 250mlHDPEAmb-NaOH EDB - 40mlClr-NaThio 8270DIOXANE - 100ml Amb-NoPres						Chain of Custody Page 1 of 25  12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859		
Report to: Julie Speer			Email To: jspeer@trccompanies.com														
Project Description: Artesia Spring 2022			City/State Collected: Artesia, NM														
Phone: 512-684-3170 Fax:		Client Project #		Lab Project # TRCATX-ARTESIA													
Collected by (print): Scott Ude/HMI Team		Site/Facility ID # (Navajo - Artesia)		P.O. #													
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #		Date Results Needed											
Immediately Packed on Ice N ☐ Y ☒						No. of Cntrs											
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time												
MW-6A	Grab	GW		4/13/22	1235	13	x	x	x	x	x	x				x	
MW-85	Grab	GW				11	x	x	x	x	x	x					
MW-86	Grab	GW				12	x	x	x		x	x	x	x			
MW-120	Grab	GW		4/13/22	1140	13	x	x	x	x	x	x				x	
MW-121	Grab	GW		4/13/22	1045	13	x	x	x	x	x	x				x	
MW-84	Grab	GW		4/13/22	905	11	x	x	x	x	x	x					
MW-122	Grab	GW				13	x	x	x	x	x	x				x	
MW-81	Grab	GW				11	x	x	x	x	x	x					
MW-80	Grab	GW				11	x	x	x	x	x	x					
MW-79	Grab	GW				11	x	x	x	x	x	x					
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks: Shipment # 3 Diss. Metals are field-filtered pH _____ Temp _____ Flow _____ Other _____ Samples returned via: ☐ UPS ☒ FedEx ☐ Courier _____ Tracking # _____															
Relinquished by: (Signature) 		Date: 4/14/22		Time: 0700		Received by: (Signature)		Trip Blank Received: Yes/No Y N HCLy MeOH TBR									
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Temp: °C 70.6		Bottles Received:		If preservation required by Login: Date/Time					
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature) 		Date: 4/14/22		Time: 0900		Hold:		Condition: NCF / OK			

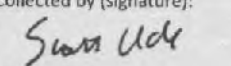
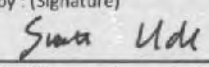
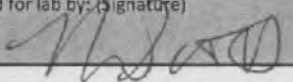
TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752				Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com				Pres Chk		Analysis / Container / Preservative										Chain of Custody Page 2 of 25	
Report to: Julie Speer				Email To: jspeer@trccompanies.com																Pace Analytical® National Center for Testing & Innovation	
Project Description: Artesia Spring 2022				City/State Collected: Artesia, NM																12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859	
Phone: 512-684-3170 Fax:		Client Project #		Lab Project # TRCATX-ARTESIA														L# 4142988			
Collected by (print): Scott Ude/HMI Team		Site/Facility ID # (Navajo - Artesia)		P.O. #														Table #			
Collected by (signature): Scott Ude		Rush? (Lab MUST Be Notified) Same Day Five Day Next Day 5 Day (Rad Only) Two Day 10 Day (Rad Only) Three Day		Quote #		Date Results Needed												Acctnum: TRCATX Template: T206218 Prelogin: P915556 TSR: 526 PB: Shipped Via:			
Immediately Packed on Ice N Y																		Remarks Sample # (lab only)			
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	V82600XY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	Anions. TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres				
MW-82		Grab	GW		4/13/22	955	11	x	x	x	x	x	x					05			
MW-74		Grab	GW				13	x	x	x	x	x	x			x					
MW-73		Grab	GW				11	x	x	x	x	x	x								
MW-2A		Grab	GW				11	x	x	x	x	x	x								
MW-72		Grab	GW				11	x	x	x	x	x	x								
OGB-6		Grab	GW				13	x	x	x	x	x	x			x					
OGB-7AR		Grab	GW				11	x	x	x	x	x	x								
MW-7B (Biennial schedule, should not be rePermeated)		Grab	GW				11	x	x	x	x	x	x				Biennial!				
RW-#15C		Grab	GW				9	x	x		x	x	x				LNAPL				
MW-48		Grab	GW				11	x	x	x	x	x	x				well Failed				
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks: Samples returned via: UPS FedEx Courier Tracking #																			
Relinquished by: (Signature) Scott Ude		Date: 4/14/22	Time: 0700	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeOH TBR	Temp: °C	Bottles Received:	If preservation required by Login: Date/Time	Condition: NG / OK												

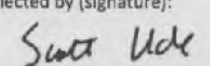
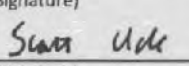
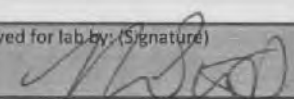
TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752				Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com				Pres Chk		Analysis / Container / Preservative										Chain of Custody Page 3 of 25																	
Report to: Julie Speer				Email To: jspeer@trccompanies.com																 12065 Lebanon Rd. Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859																	
Project Description: Artesia Spring 2022				City/State Collected: Artesia, NM																																	
Phone: 512-684-3170 Fax:		Client Project #		Lab Project # TRCATX-ARTESIA																																	
Collected by (print): Scott Ude/HMI Team		Site/Facility ID # (Navajo - Artesia)		P.O. #																																	
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #		Date Results Needed																															
Immediately Packed on Ice N ☐ Y ☒																																					
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V82600XY - 40mlAmb HCl	DROLVI - 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	Anions. TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	L#	Table #	Acctnum: TRCATX	Template: T206518	Prelogin: P915556	TSR: 526	PB:	Shipped Via:	Remarks	Sample # (lab only)										
MW-130		Grab	GW		4/13/22	930	11	x	x	x	x	x	x														OK										
KWB-4		Grab	GW				9	x	x		x	x	x																								
RW-19		Grab	GW				9	x	x		x	x	x																								
EB-EP-01		Grab	GW				11	x	x	x	x	x	x																								
EB-EP-01		Grab	GW				11	x	x	x	x	x	x																								
TRIP BLANK-EP-01		Grab	GW				1	x																													
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks: Samples returned via: ☐ UPS ☒ FedEx ☐ Courier																		Tracking #																	
Relinquished by: (Signature) 		Date: 4/14/22		Time: 0700		Received by: (Signature)		Trip Blank Received: Yes / No HCL / MeOH TBR																													
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Temp: °C		Bottles Received:												If preservation required by Login: Date/Time															
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature)		Date:		Time:												Hold:		Condition: NGF / OK													

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752						Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com													
Report to: Julie Speer						Email To: jspeer@trccompanies.com													
Project Description: Artesia Spring 2022						City/State Collected: Artesia, NM													
Phone: 512-684-3170 Fax:			Client Project #			Lab Project # TRCATX-ARTESIA													
Collected by (print): Scott Ude/HMI Team			Site/Facility ID # (Navajo - Artesia)			P.O. #													
Collected by (signature): 			Rush? (Lab MUST Be Notified) ____ Same Day ____ Five Day ____ Next Day ____ 5 Day (Rad Only) ____ Two Day ____ 10 Day (Rad Only) ____ Three Day			Quote #			Date Results Needed										
Immediately Packed on Ice N ____ Y ☒						No. of Cntrs													
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	V82600XY - 40mlAmb HCl	DROLVI- 40mlAmb-HCI-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	Anions, TDS - 500mIHDP-E-NoPres	NO2NO3 - 250mIHDP-E-H2SO4	Total /Diss. Long List Metals	Cyanide - 250mIHDP-E-Amb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres			
MW-76	Grab	GW		4/13/22	1215	13	x	x	x	x	x	x				x			
MW-77	Grab	GW		4/13/22	1300	11	x	x	x	x	x	x							
MW-78	Grab	GW		4/13/22	1515	13	x	x	x	x	x	x				x			
MW-75	Grab	GW		4/13/22	1425	11	x	x	x	x	x	x							
MW-83	Grab	GW		4/13/22	1335	11	x	x	x	x	x	x							
MW-3	Grab	GW		4/13/22	1610	13	x	x	x	x	x	x				x			
MW-88	Grab	GW		4/13/22	1120	11	x	x	x	x	x	x							
MW-22A	Grab	GW		4/13/22	1400	13	x	x	x	x	x	x				x			
MW-10	Grab	GW		4/13/22	1310	11	x	x	x	x	x	x							
MW-123	Grab	GW		4/13/22	1210	13	x	x	x	x	x	x				x			
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other _____	Remarks:						pH _____ Temp _____ Flow _____ Other _____	Sample Receipt Checklist: COC Seal Present/Intact: NP Y N COC Signed/Accurate: X N Bottles arrive intact: Y N Correct bottles used: Y N Sufficient volume sent: Y N If Applicable VOA Zero Headspace: Y N Preservation Correct/Checked: Y N											
Samples returned via: UPS ☒ FedEx _____ Courier _____				Tracking #															
Relinquished by : (Signature)				Date: 4/14/22		Time: 0700		Received by: (Signature) _____				Trip Blank Received: Yes / No HCL / MeoH TBK							
Relinquished by : (Signature)				Date:		Time:		Received by: (Signature)				Temp: °C Bottles Received:				If preservation required by Login: Date/Time			
Relinquished by : (Signature)				Date:		Time:		Received for lab by: (Signature) _____				Date: Time: 4/15/22 0902				Hold: Condition: NG / OK			

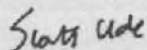
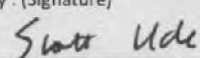
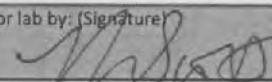
TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752				Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com				Pres Chk		Analysis / Container / Preservative										Chain of Custody Page 5 of 25	
Report to: Julie Speer				Email To: jspeer@trccompanies.com																 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859	
Project Description: Artesia Spring 2022				City/State Collected: Artesia, NM																L# U492982	
Phone: 512-684-3170 Fax:		Client Project #		Lab Project # TRCATX-ARTESIA														Table #			
Collected by (print): Scott Ude/HMI Team		Site/Facility ID # (Navajo - Artesia)		P.O. #														Acctnum: TRCATX Template: T206518 Prelogin: P915556 TSR: 526 PB:			
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #		Date Results Needed		No. of Cntrs												Shipped Via:	
Packed on Ice N ☐ Y ☒																					
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time					V82600XY - 40mlAmb HCl	DROLVI - 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	Anions. TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total/Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-4A	Grab	GW		4/13/22	1120	13	x	x	x	x	x	x	x	x	x				x		18
MW-5A	Grab	GW		4/13/22	1015	11	x	x	x	x	x	x	x	x	x						19
MW-7A	Grab	GW		4/13/22	920	11	x	x	x	x	x	x	x	x	x						20
OCD-8A	Grab	GW		4/13/22	835	12	x	x	x		x	x	x	x	x	x	x				21
DUP-EP-01	Grab	GW		4/13/22	900	11	x	x	x	x	x	x	x	x	x						22
DUP-EP-02	Grab	GW		4/13/22	1200	11	x	x	x	x	x	x	x	x	x						23
DUP-EP-03	Grab	GW		4/13/22	1200	11	x	x	x	x	x	x	x	x	x						24
EB-EP-03	Grab	GW		4/13/22	1030	11	x	x	x	x	x	x	x	x	x						25
TRIP BLANK-EP-02	Grab	GW		4/13/22	—	1	x														26
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other				Remarks:				pH _____ Temp _____ Flow _____ Other _____				Sample Receipt Checklist COC Seal Present/Intact: ☐ NP Y N COC Signed/Accurate: ☒ Y N Bottles arrive intact: ☒ Y N Correct bottles used: ☒ Y N Sufficient volume sent: ☒ Y N If Applicable VOA Zero Headspace: ☒ Y N Preservation Correct/Checked: ☒ Y N									
Samples returned via: ☐ UPS ☒ FedEx ☐ Courier				Tracking #																	
Relinquished by: (Signature) 		Date: 4/14/22		Time: 0700		Received by: (Signature)		Trip Blank Received: Yes / No HCL / MeOH TBR													
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Temp: °C Bottles Received:												If preservation required by Login: Date/Time	
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature)		Date: 4/15/22 Time: 0900												Hold: Condition: NCE / OK	

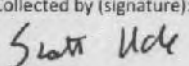
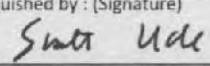
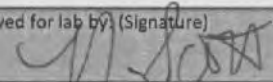
TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752				Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com				Pres Chk		Analysis / Container / Preservative								Chain of Custody Page 6 of 25	
Report to: Julie Speer				Email To: jspeer@trccompanies.com														 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859	
Project Description: Artesia Spring 2022				City/State Collected: Artesia, NM															
Phone: 512-684-3170 Fax:		Client Project #		Lab Project # TRCATX-ARTESIA															
Collected by (print): Scott Ude/HMI Team		Site/Facility ID # (Navajo - Artesia)		P.O. #															
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #		Date Results Needed													
Immediately Packed on Ice N ☐ Y ☒																			
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V82600XY - 40mlAmb HCl	DROLVI - 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	Anions, TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlCIR-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-25		Grab	GW		4/13/22	1010	9	x	x		x	x	x						27
MW-1R		Grab	GW		4/13/22	920	9	x	x		x	x	x						28
MW-15		Grab	GW		4/13/22	830	11	x	x	x	x	x	x						29
OCD-1R		Grab	GW				11	x	x	x	x	x	x						
OCD-2A		Grab	GW				11	x	x	x	x	x	x						
OCD-3		Grab	GW				13	x	x	x	x	x	x			x			
OCD-4		Grab	GW				11	x	x	x	x	x	x						
MW-11A		Grab	GW				11	x	x	x	x	x	x						
OCD-5		Grab	GW				11	x	x	x	x	x	x						
MW-87		Grab	GW				11	x	x	x	x	x	x						
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks: Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ Tracking #																	
Relinquished by: (Signature) 		Date: 4/14/22		Time: 0700		Received by: (Signature)		Trip Blank Received: Yes / No HCL / MeOH TBR										Sample Receipt Checklist: COC Seal Present/Intact: ☐ Y ☒ N COC Signed/Accurate: ☐ Y ☒ N Bottles arrive intact: ☐ Y ☒ N Correct bottles used: ☐ Y ☒ N Sufficient volume sent: ☐ Y ☒ N If Applicable VOA Zero Headspace: ☐ Y ☒ N Preservation Correct/Checked: ☐ Y ☒ N	
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Temp: °C Bottles Received:		If preservation required by Login: Date/Time									
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature)		Date: 4/15/22 Time: 0900		Hold: Condition: OK									

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752				Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com				Pres Chk		Analysis / Container / Preservative								Chain of Custody Page 7 of 25	
Report to: Julie Speer				Email To: jspeer@trccompanies.com														 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859	
Project Description: Artesia Spring 2022				City/State Collected: Artesia, NM															
Phone: 512-684-3170 Fax:		Client Project #		Lab Project # TRCATX-ARTESIA															
Collected by (print): Scott Ude/HMI Team		Site/Facility ID # (Navajo - Artesia)		P.O. #															
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #		Date Results Needed													
Immediately Packed on Ice N ☐ Y ☒						No. of Cntrs													
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time		V82600XY - 40mlAmb HCl	DROLVI - 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	Anions. TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total/Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres		
MW-18A		Grab	GW				10	x	x			x	x	x	x				
MW-70		Grab	GW				11	x	x	x	x	x	x						
MW-124		Grab	GW				11	x	x	x	x	x	x						
MW-52		Grab	GW		4/13/22	1400	12	x	x	x		x	x	x	x		30		
MW-109		Grab	GW		4/13/22	1200	13	x	x	x	x	x	x			x	31		
MW-110		Grab	GW		4/13/22	1300	13	x	x	x	x	x	x			x	32		
EB-EP-02		Grab	GW				11	x	x	x	x	x	x						
TRIP-BLANK-EP-03		Grab	GW				1	x											
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks:																	
		Samples returned via: ☐ UPS ☒ FedEx ☐ Courier				Tracking #				pH _____ Temp _____ Flow _____ Other _____				Sample Receipt Checklist COC Seal Present/Intact: ☐ NP ☐ Y ☐ N COC Signed/Accurate: ☐ Y ☐ N Bottles arrive intact: ☐ Y ☐ N Correct bottles used: ☐ Y ☐ N Sufficient volume sent: ☐ Y ☐ N If Applicable VOA Zero Headspace: ☐ Y ☐ N Preservation Correct/Checked: ☐ Y ☐ N					
Relinquished by: (Signature) 		Date: 4/14/22		Time: 0700		Received by: (Signature)				Trip Blank Received: Yes / No HCL / MeOH TBR									
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)				Temp: °C Bottles Received:				If preservation required by Login: Date/Time					
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature) 				Date: 4/14/22 Time: 0900				Hold:		Condition: NGF / OK			

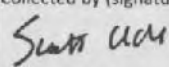
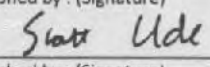
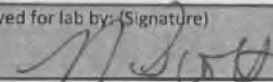
TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752			Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com			Pres Chk		Analysis / Container / Preservative										Chain of Custody Page 8 of 25			
Report to: Julie Speer			Email To: jspeer@trccompanies.com															 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-757-5859 Fax: 615-758-5859			
Project Description: Artesia Spring 2022			City/State Collected: Artesia, NM															L# L1492988			
Phone: 512-684-3170 Fax:		Client Project #		Lab Project # TRCATX-ARTESIA														Table #			
Collected by (print): Scott Ude/HMI Team		Site/Facility ID # (Navajo - Artesia)		P.O. #														Acctnum: TRCATX Template: T206518 Prelogin: P915556 TSR: 526 PB:			
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #		Date Results Needed														Shipped Via:	
Immediately Packed on Ice N ☐ Y ☒																					
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V82600XY - 40mlAmb HCl	DROLVI - 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	Anions. TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)		
RW-12R		Grab	GW				9	x	x		x	x	x					LNAPL			
MW-113		Grab	GW		4/13/22	1700	16	x	x	x	x	x	x			x	x		33		
KWB-8		Grab	GW				10	x	x			x	x	x	x			LNAPL			
RW-22		Grab	GW				9	x	x		x	x	x					LNAPL			
RW-20A		Grab	GW				9	x	x		x	x	x					Well Dry			
RW-20B		Grab	GW				9	x	x		x	x	x					Well Dry			
RW-13R		Grab	GW				14	x	x		x	x	x			x	x	LNAPL			
RW-14R		Grab	GW				9	x	x		x	x	x					LNAPL			
MW-133		Grab	GW				11	x	x	x	x	x	x					LNAPL			
MW-134		Grab	GW		4/13/22	1525	13	x	x	x	x	x	x				x		34		
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks: Samples returned via: ☐ UPS ☒ FedEx ☐ Courier										Tracking #									
Relinquished by: (Signature) 		Date: 4/14/22		Time: 0700		Received by: (Signature)		Trip Blank Received: Yes / No HCL / MeOH TBR		Sample Receipt Checklist: COC Seal Present/Intact: ☐ NP ☐ Y ☐ N COC Signed/Accurate: ☐ Y ☐ N Bottles arrive intact: ☐ Y ☐ N Correct bottles used: ☐ Y ☐ N Sufficient volume sent: ☐ Y ☐ N IF Applicable VOA Zero Headspace: ☐ Y ☐ N Preservation Correct/Checked: ☒ Y ☐ N											
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Temp: °C		Bottles Received:		If preservation required by Login: Date/Time									
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature) 		Date: 4/15/22		Time: 0900		Hold:		Condition: NCF / OK							

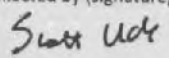
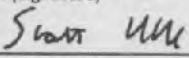
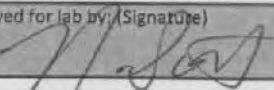
TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752				Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com				Pres Chk		Analysis / Container / Preservative												Chain of Custody		Page 9 of 25							
Report to: Julie Speer				Email To: jspeer@trccompanies.com																		Pace Analytical® National Center for Testing & Innovation		12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859							
Project Description: Artesia Spring 2022				City/State Collected: Artesia, NM																		L# 4482987									
Phone: 512-684-3170 Fax:				Client Project #				Lab Project # TRCATX-ARTESIA																		Table #					
Collected by (print): Scott Ude/HMI Team				Site/Facility ID # (Navajo - Artesia)				P.O. #																		Acctnum: TRCATX		Template: T206518			
Collected by (signature): Scott Ude				Rush? (Lab MUST Be Notified) Same Day Five Day Next Day 5 Day (Rad Only) Two Day 10 Day (Rad Only) Three Day				Quote #				Date Results Needed		No. of Cntrs														Prelogin: P915556		TSR: 526	
Packed on Ice N Y																										PB:		Shipped Via:			
Sample ID				Comp/Grab		Matrix *		Depth		Date		Time																Remarks		Sample # (lab only)	
RA-4798				Grab		GW				4/13/22		1745		11		V82600XY - 40mlAmb HCl												Only Cation		35	
RA-4196				Grab		GW								11		DROLVI-40mlAmb-HCl-BT												Only Cation		Pump is shorted no power	
RA-3156				Grab		GW				4/13/22		1350		6		GRO - 40mlAmb HCl												Only Cation		36	
RA-313				Grab		GW				4/13/22		1145		8		Total/Diss. Short List Metals												Only Cation		37	
KWB-7				Grab		GW				4/13/22		1320		10		Anions. TDS - 500mlHDPE-NoPres														38	
MW-20				Grab		GW				4/13/22		1600		9		NO2NO3 - 250mlHDPE-H2SO4														39	
NP-1				Grab		GW								11		Total/Diss. Long List Metals												Only Cation			
MW-8				Grab		GW								11		Cyanide - 250mlHDPEAmb-NaOH															
MW-21				Grab		GW								13		EDB - 40mlClr-NaThio															
MW-71				Grab		GW								15		8270DIOXANE - 100ml Amb-NoPres															
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other				Remarks: RA-4798, RA-4196, RA-3156, RA-313, NP-1 reporting Cations from Metals bottle.				pH Temp				Flow Other				Sample Receipt Checklist COC Seal Present/Intact: NP Y N COC Signed/Accurate: Y N Bottles arrive intact: Y N Correct bottles used: Y N Sufficient volume sent: Y N If Applicable VOA Zero Headspace: Y N Preservation Correct/Checked: Y N															
Samples returned via: UPS FedEx Courier				Tracking #																											
Relinquished by: (Signature) Scott Ude				Date: 4/14/22		Time: 0700		Received by: (Signature)				Trip Blank Received: Yes / No HCL / MeOH TBR				If preservation required by Login: Date/Time															
Relinquished by: (Signature)				Date:		Time:		Received by: (Signature)				Temp: °C Bottles Received:																			
Relinquished by: (Signature)				Date:		Time:		Received for lab by: (Signature)				Date: Time:				Hold: Condition: NCF / OK															

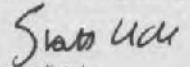
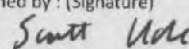
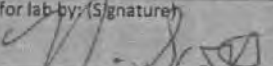
TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752			Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com			Pres Chk			Analysis / Container / Preservative								Chain of Custody Page 10 of 25			
Report to: Julie Speer			Email To: jspeer@trccompanies.com																	
Project Description: Artesia Spring 2022			City/State Collected: Artesia, NM														12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859			
Phone: 512-684-3170 Fax:			Client Project #			Lab Project # TRCATX-ARTESIA											L# L142988			
Collected by (print): Scott Ude/HMI Team			Site/Facility ID # (Navajo - Artesia)			P.O. #											Table #			
Collected by (signature): 			Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day			Quote #											Acctnum: TRCATX Template: T206518 Prelogin: P915556 TSR: 526 PB:			
Immediately Packed on Ice N ☐ Y ☒			Date Results Needed			No. of Cntrs											Shipped Via:			
Sample ID			Comp/Grab	Matrix *	Depth	Date	Time		V82600XY - 40mlAmb HCl	DROLVI - 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	Anions. TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-68			Grab	GW				9	x	x		x	x	x						
MW-27			Grab	GW				9	x	x		x	x	x						
MW-89			Grab	GW				9	x	x		x	x	x						
MW-16			Grab	GW				9	x	x		x	x	x						
MW-26			Grab	GW				9	x	x		x	x	x						
KWB-11A			Grab	GW				17	x	x	x		x	x	x	x	x	x	x	LNAPL
KWB-11B			Grab	GW		4/13/22	1725	17	x	x	x		x	x	x	x	x	x		40
MW-115			Grab	GW		4/13/22	1100	11	x	x	x	x	x	x						41
MW-114			Grab	GW		4/13/22	855	16	x	x	x	x	x	x			x	x		42
MW-125			Grab	GW		4/13/22	955	11	x	x	x	x	x	x						43
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other			Remarks:			Samples returned via: ☐ UPS ☒ FedEx ☐ Courier			Tracking #			pH _____ Temp _____ Flow _____ Other _____			Sample Receipt Checklist COC Seal Present/Intact: ☐ Y ☐ N COC Signed/Accurate: ☐ Y ☐ N Bottles arrive intact: ☐ Y ☐ N Correct bottles used: ☐ Y ☐ N Sufficient volume sent: ☐ Y ☐ N If Applicable VOA Zero Headpace: ☐ Y ☐ N Preservation Correct/Checked: ☐ Y ☐ N					
Relinquished by: (Signature) 			Date: 4/14/22	Time: 0700	Received by: (Signature)			Trip Blank Received: Yes / No HCL / MeOH TBR			Temp: _____ °C Bottles Received:			If preservation required by Login: Date/Time						
Relinquished by: (Signature)			Date:	Time:	Received by: (Signature)			Temp: _____ °C Bottles Received:			If preservation required by Login: Date/Time									
Relinquished by: (Signature)			Date:	Time:	Received for lab by: (Signature) 			Date: 4/15/22			Time: 0900			Hold:						
														Condition: NCF / OK						

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752			Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com			Pres Chk	Analysis / Container / Preservative										Chain of Custody Page 11 of 25	
Report to: Julie Speer			Email To: jspeer@trccompanies.com														 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859	
Project Description: Artesia Spring 2022			City/State Collected: Artesia, NM														L # L1462983	
Phone: 512-684-3170 Fax:		Client Project #		Lab Project # TRCATX-ARTESIA													Table #	
Collected by (print): Scott Ude/HMI Team		Site/Facility ID # (Navajo - Artesia)		P.O. #													Acctnum: TRCATX Template: T206518 Prelogin: P915556 TSR: 526 PB:	
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #													Shipped Via:	
Immediately Packed on Ice N ☐ Y ☒				Date Results Needed		No. of Cntrs												
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time		V82600XY - 40mlAmb HCl	DROLVI - 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	Anions. TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
DUP-REST-01	Grab	GW		4/13/22	1200	16	x	x	x	x	x	x			x	x		44
EB-REST-01	Grab	GW		4/13/22	1720	16	x	x	x	x	x	x			x	x		45
DUP-REST-03	Grab	GW		4/13/22	1400	13	x	x	x	x	x	x				x		46
EB-REST-03	Grab	GW		4/13/22	1550	13	x	x	x	x	x	x				x		47
TRIP BLANK-REST-01	Grab	GW		4/13/22	—	1	x											48
TRIP BLANK-TMD-01	Grab	GW				1	x											
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other																		
Remarks: Samples returned via: ☐ UPS ☒ FedEx ☐ Courier																		
Tracking #																		
Relinquished by : (Signature) 			Date: 4/14/22		Time: 0700		Received by: (Signature)				Trip Blank Received: Yes / No HCL / MeOH TBR				Sample Receipt Checklist COC Seal Present/Intact: NP ☒ Y ☐ N COC Signed/Accurate: ☒ Y ☐ N Bottles arrive intact: ☒ Y ☐ N Correct bottles used: ☒ Y ☐ N Sufficient volume sent: ☒ Y ☐ N VOA Zero Headspace: ☒ Y ☐ N Preservation Correct/Checked: ☒ Y ☐ N			
Relinquished by : (Signature)			Date:		Time:		Received by: (Signature)				Temp: °C Bottles Received:				If preservation required by Login: Date/Time			
Relinquished by : (Signature)			Date:		Time:		Received for lab by: (Signature) 				Date: 4/15/22 Time: 0900				Hold:		Condition: NEF / OK	

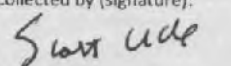
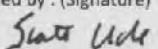
TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752				Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com				Pres Chk		Analysis / Container / Preservative										Chain of Custody		Page 12 of 25								
Report to: Julie Speer				Email To: jspeer@trccompanies.com																										
Project Description: Artesia Spring 2022				City/State Collected: Artesia, NM																										
Phone: 512-684-3170 Fax:				Client Project #				Lab Project # TRCATX-ARTESIA																						
Collected by (print): Scott Ude/HMI Team				Site/Facility ID # (Navajo - Artesia)				P.O. #																						
Collected by (signature): <i>Scott Ude</i>				Rush? (Lab MUST Be Notified) ____ Same Day ____ Five Day ____ Next Day ____ 5 Day (Rad Only) ____ Two Day ____ 10 Day (Rad Only) ____ Three Day				Quote #																						
Immediately Packed on Ice N ____ Y ☒				Date Results Needed				No. of Cntrs																						
Sample ID				Comp/Grab	Matrix *	Depth	Date	Time		V8260OXY - 40mlAmb HCl	DROLVI - 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	Anions. TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	L#	Table #	Acctnum: TRCATX	Template: T206518	Prelogin: P915556	TSR: 526	PB:	Shipped Via:	Remarks	Sample # (lab only)	
MW-117				Grab	GW				13	x	x	x	x	x	x				x											
MW-118				Grab	GW				11	x	x	x	x	x	x															
MW-119				Grab	GW				11	x	x	x	x	x	x															
MW-136				Grab	GW				12	x	x	x		x	x	x	x													
MW-126A				Grab	GW				11	x	x	x	x	x	x															
MW-126B				Grab	GW				16	x	x	x	x	x	x			x	x											
MW-127				Grab	GW				16	x	x	x	x	x	x			x	x											
MW-129				Grab	GW				11	x	x	x	x	x	x															
KWB-1A				Grab	GW				10	x	x			x	x	x	x													
KWB-10R				Grab	GW				11	x	x		x	x	x				x											
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other				Remarks:				pH _____ Temp _____ Flow _____ Other _____										Sample Receipt Checklist COC Seal Present/Intact: ☐ Y ☐ N COC Signed/Accurate: ☐ Y ☐ N Bottles arrive intact: ☐ Y ☐ N Correct bottles used: ☐ Y ☐ N Sufficient volume sent: ☐ Y ☐ N If Applicable VCA Zero Headspace: ☐ Y ☐ N Preservation Correct/Checked: ☐ Y ☐ N												
Samples returned via: UPS ☒ FedEx ☐ Courier ☐				Tracking #																										
Relinquished by: (Signature) <i>Scott Ude</i>				Date: 4/14/22	Time: 0700	Received by: (Signature)				Trip Blank Received: Yes / No HCL / MeOH TBR				Temp: _____ °C Bottles Received:				If preservation required by Login: Date/Time												
Relinquished by: (Signature)				Date:	Time:	Received by: (Signature)																								
Relinquished by: (Signature)				Date:	Time:	Received for lab by: (Signature) <i>M. Scott</i>				Date: 4/15/22				Time: 0900				Hold:				Condition: NCF / OK								

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752			Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com			Pres Chk		Analysis / Container / Preservative								Chain of Custody Page 13 of 25			
Report to: Julie Speer			Email To: jspeer@trccompanies.com													 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859			
Project Description: Artesia Spring 2022			City/State Collected: Artesia, NM																
Phone: 512-684-3170 Fax:		Client Project #		Lab Project # TRCATX-ARTESIA															
Collected by (print): Scott Ude/HMI Team		Site/Facility ID # (Navajo - Artesia)		P.O. #															
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #		Date Results Needed													
Immediately Packed on Ice N ☐ Y ☒						No. of Cntrs													
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time		V82600XY - 40mlAmb HCl	DROLVI - 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	Anions, TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)
MW-131		Grab	GW				11	x	x	x	x	x	x						
KWB-5		Grab	GW				9	x	x		x	x	x						
MW-111		Grab	GW				16	x	x	x	x	x	x			x	x		
KWB-8		Grab	GW				12	x	x		x	x	x			x	x		
MW-112		Grab	GW				11	x	x	x	x	x	x						
MW-132		Grab	GW				11	x	x	x	x	x	x						
MW-57		Grab	GW				11	x	x	x	x	x	x						
RW-#11-0		Grab	GW				9	x	x		x	x	x						
KWB-12A		Grab	GW				12	x	x	x		x	x	x	x				
KWB-12B		Grab	GW				12	x	x	x		x	x	x	x				
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks: Samples returned via: ☐ UPS ☒ FedEx ☐ Courier		Tracking #												Sample Receipt Checklist COC Seal Present/Intact: ☐ NP ☐ Y ☐ N COC Signed/Accurate: ☐ Y ☐ N Bottles Arrive Intact: ☐ Y ☐ N Correct bottles used: ☐ Y ☐ N Sufficient volume sent: ☐ Y ☐ N If Applicable VOA Zero Headspace: ☐ Y ☐ N Preservation Correct/Checked: ☒ Y ☐ N			
Relinquished by: (Signature) 		Date: 4/14/22		Time: 0700		Received by: (Signature) 		Trip Blank Received: Yes / No HCL / MeOH TBR		Temp: °C		Bottles Received:		If preservation required by Login: Date/Time					
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Temp: °C		Bottles Received:		If preservation required by Login: Date/Time		Hold:		Condition: NCF / OK			

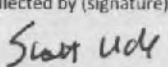
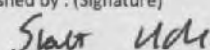
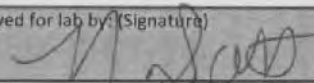
TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752				Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com				Pres Chk		Analysis / Container / Preservative								Chain of Custody Page 14 of 25									
Report to: Julie Speer				Email To: jspeer@trccompanies.com														 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859									
Project Description: Artesia Spring 2022				City/State Collected: Artesia, NM																							
Phone: 512-684-3170 Fax:		Client Project #		Lab Project # TRCATX-ARTESIA																							
Collected by (print): Scott Ude/HMI Team		Site/Facility ID # (Navajo - Artesia)		P.O. #																							
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #		Date Results Needed																					
Immediately Packed on Ice N ☐ Y ☒																											
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V82600XY - 40mlAmb HCl	DROLVI - 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	Anions, TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	L #	Table #	Acctnum: TRCATX	Template: T206518	Prelogin: P915556	TSR: 526	PB:	Shipped Via:		
KWB-2R		Grab	GW				11	x	x		x	x	x				x										
MW-58		Grab	GW				10	x	x			x	x	x	x												
KWB-13		Grab	GW				10	x	x			x	x	x	x												
DUP-REST-05		Grab	GW				11	x	x	x	x	x	x														
EB-REST-05		Grab	GW				11	x	x	x	x	x	x														
TRIP BLANK-REST-02		Grab	GW		4/12/22		1	x																			
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks: Samples returned via: ☐ UPS ☒ FedEx ☐ Courier				Tracking #										pH _____ Temp _____ Flow _____ Other _____		Sample Receipt Checklist COC Seal Present/Intact: ☐ NP ☒ N COC Signed/Accurate: ☐ Y ☒ N Bottles arrive intact: ☐ Y ☒ N Correct bottles used: ☐ Y ☒ N Sufficient volume sent: ☐ Y ☒ N If Applicable VOA Zero Headspace: ☐ Y ☒ N Preservation Correct/Checked: ☐ Y ☒ N									
Relinquished by: (Signature) 		Date: 4/14/22		Time: 0700		Received by: (Signature) 		Trip Blank Received: Yes / No HCL / MeOH TBR																			
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Temp: °C		Bottles Received:																	
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature)		Date:		Time:		Hold:															

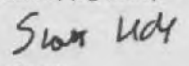
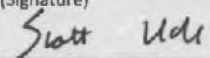
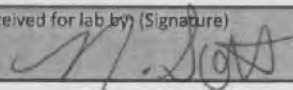
TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752			Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com			Pres Chk			Analysis / Container / Preservative										Chain of Custody Page 15 of 25		
Report to: Julie Speer			Email To: jspeer@trccompanies.com			Analysis / Container / Preservative															
Project Description: Artesia Spring 2022			City/State Collected: Artesia, NM			Analysis / Container / Preservative										12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859					
Phone: 512-684-3170 Fax:		Client Project #		Lab Project # TRCATX-ARTESIA		Analysis / Container / Preservative															
Collected by (print): Scott Ude/HMI Team		Site/Facility ID # (Navajo - Artesia)		P.O. #		Analysis / Container / Preservative										L# L1432938					
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #		Analysis / Container / Preservative										Table #					
Immediately Packed on Ice N ☐ Y ☒				Date Results Needed		Analysis / Container / Preservative										Acctnum: TRCATX					
						Analysis / Container / Preservative										Template: T206518					
						Analysis / Container / Preservative										Prelogin: P9155556					
						Analysis / Container / Preservative										TSR: 526					
						Analysis / Container / Preservative										PB:					
						Analysis / Container / Preservative										Shipped Via:					
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V82600XY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	Anions, TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	Remarks	Sample # (lab only)		
MW-103	Grab	GW		4/13/22	1045	11	x	x	x	x	x	x	x						49		
MW-104	Grab	GW		4/13/22	955	13	x	x	x	x	x	x	x				x		50		
MW-64	Grab	GW		4/13/22	1425	11	x	x	x	x	x	x	x						51		
MW-65	Grab	GW				11	x	x	x	x	x	x	x						LNAPL		
RW-5R	Grab	GW				9	x	x		x	x	x							LNAPL		
MW-102	Grab	GW		4/13/22	1550	16	x	x	x	x	x	x	x			x	x		52		
RW-4	Grab	GW		4/13/22	1140	9	x	x		x	x	x							53		
RW-6	Grab	GW				9	x	x		x	x	x							LNAPL		
MW-99	Grab	GW				11	x	x	x	x	x	x							LNAPL		
MW-66	Grab	GW				12	x	x	x		x	x	x	x					LNAPL		
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks:																			
		Samples returned via: ☐ UPS ☒ FedEx ☐ Courier																			
		Tracking #																			
Relinquished by: (Signature) 		Date: 4/14/22	Time: 0700	Received by: (Signature)				Trip Blank Received: Yes / No HCL / MeOH TBR				Sample Receipt Checklist COC Seal Present/Intact: ☒ Y ☐ N COC Signed/Accurate: ☒ Y ☐ N Bottles arrive intact: ☒ Y ☐ N Correct bottles used: ☒ Y ☐ N Sufficient volume sent: ☒ Y ☐ N IF Applicable VOA Zero Headspace: ☒ Y ☐ N Preservation Correct/Checked: ☒ Y ☐ N									
Relinquished by: (Signature)		Date:	Time:	Received by: (Signature)				Temp: °C Bottles Received:				If preservation required by Login: Date/Time									
Relinquished by: (Signature)		Date:	Time:	Received for lab by: (Signature) 				Date: 4/15/22 Time: 0900				Hold:				Condition: NCF / OK					

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752				Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com				Pres Chk		Analysis / Container / Preservative										Chain of Custody		Page 16 of 25					
Report to: Julie Speer				Email To: jspeer@trccompanies.com																							
Project Description: Artesia Spring 2022				City/State Collected: Artesia, NM																							
Phone: 512-684-3170 Fax:				Client Project #				Lab Project # TRCATX-ARTESIA																			
Collected by (print): Scott Ude/HMI Team				Site/Facility ID # (Navajo - Artesia)				P.O. #																			
Collected by (signature): <i>Scott Ude</i>				Rush? (Lab MUST Be Notified) ____ Same Day ____ Five Day ____ Next Day ____ 5 Day (Rad Only) ____ Two Day ____ 10 Day (Rad Only) ____ Three Day				Quote #																			
Immediately Packed on Ice N ____ Y ☒				Date Results Needed				No. of Cntrs																			
Sample ID				Comp/Grab		Matrix *		Depth		Date		Time															
MW-28				Grab		GW						14		V82600XY - 40mlAmb HCl										L#			
MW-59				Grab		GW						11		DROLVI - 40mlAmb-HCl-BT										Table #			
MW-60				Grab		GW						17		GRO - 40mlAmb HCl										Acctnum: TRCATX			
MW-107				Grab		GW						11		Total/Diss. Short List Metals										Template: T206518			
MW-128				Grab		GW						13		Anions, TDS - 500mlHDPE-NoPres										Prelogin: P915556			
MW-116				Grab		GW						11		NO2NO3 - 250mlHDPE-H2SO4										TSR: 526			
MW-46R				Grab		GW						9		Total /Diss. Long List Metals										PB:			
RW-#18A				Grab		GW						7		Cyanide - 250mlHDPEAmb-NaOH										Shipped Via:			
MW-145				Grab		GW						10		EDB - 40mlClr-NaThio										Remarks		Sample # (lab only)	
MW-146				Grab		GW						10		8270DIOXANE - 100ml Amb-NoPres													
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other				Remarks:				pH _____ Temp _____ Flow _____ Other _____										Sample Receipt Checklist COC Seal Present/Intact: ☐ NP ☐ Y ☐ N COC Signed/Accurate: ☐ Y ☐ N Bottles arrive intact: ☐ Y ☐ N Correct bottles used: ☐ Y ☐ N Sufficient volume sent: ☐ Y ☐ N If Applicable VOA Zero Headspace: ☐ Y ☐ N Preservation Correct/Checked: ☐ Y ☐ N									
Relinquished by: (Signature) <i>Scott Ude</i>				Date: 4/14/22		Time: 0700		Received by: (Signature)		Trip Blank Received: Yes / No HCL / MeoH TBR		If preservation required by Login: Date/Time										Condition: NG / OK					
Relinquished by: (Signature)				Date:		Time:		Received by: (Signature)		Temp: °C		Bottles Received:															
Relinquished by: (Signature)				Date:		Time:		Received for lab by: (Signature) <i>M. Scott</i>		Date: 4/15/22		Time: 0900		Hold:													

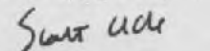
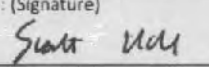
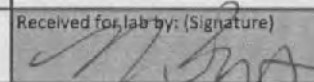
TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752			Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com			Pres Chk			Analysis / Container / Preservative								Chain of Custody Page 17 of 25		
Report to: Julie Speer			Email To: jspeer@trccompanies.com			V82600XY - 40mlAmb HCl DROLVI - 40mlAmb-HCl-BT GRO - 40mlAmb HCl Total/Diss. Short List Metals Anions. TDS - 500mlHDPE-NoPres NO2NO3 - 250mlHDPE-H2SO4 Total /Diss. Long List Metals Cyanide - 250mlHDPEAmb-NaOH EDB - 40mlClr-NaThio 8270DIOXANE - 100ml Amb-NoPres													
Project Description: Artesia Spring 2022			City/State Collected: Artesia, NM											12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859					
Phone: 512-684-3170 Fax:			Client Project #											Lab Project # TRCATX-ARTESIA		L# L1432988			
Collected by (print): Scott Ude/HMI Team			Site/Facility ID # (Navajo - Artesia)											P.O. #		Table #			
Collected by (signature): 			Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day			Quote #			Acctnum: TRCATX Template: T206518 Prelogin: P915556 TSR: 526 PB:										
Immediately Packed on Ice N ☐ Y ☒			Date Results Needed			No. of Cntrs			Shipped Via:										
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time														
MW-135	Grab	GW				13	x	x	x	x	x				x				
MW-147	Grab	GW				10	x	x	x	x	x								
MW-148	Grab	GW				10	x	x	x	x	x								
UG-3R	Grab	GW				12	x	x	x		x	x	x	x					
UG-4	Grab	GW				12	x	x	x		x	x	x	x					
UG-1	Grab	GW				14	x	x	x		x	x	x	x		x			
UG-2	Grab	GW				12	x	x			x	x	x	x					
DUP-REST-02	Grab	GW		4/13/22	1300	16	x	x	x	x	x	x			x	x			54
EB-REST-02	Grab	GW		4/13/22	1620	16	x	x	x	x	x	x			x	x			55
DUP-REST-04	Grab	GW				10	x	x	x	x	x								
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other			Remarks:			pH _____ Temp _____ Flow _____ Other _____			Sample Receipt Checklist CCC Seal Present/Intact: ☐ NP ☐ Y ☐ N CCC Signed/Accurate: ☐ Y ☐ N Bottles arrive intact: ☐ Y ☐ N Correct bottles used: ☐ Y ☐ N Sufficient volume sent: ☐ Y ☐ N If Applicable VOA Zero Headspace: ☐ Y ☐ N Preservation Correct/Checked: ☐ Y ☐ N										
Samples returned via: ☐ UPS ☒ FedEx ☐ Courier			Tracking #			Relinquished by: (Signature) 			Date: 4/14/22 Time: 0700			Received by: (Signature)			Trip Blank Received: Yes / No HCL / MeOH TBR				
Relinquished by: (Signature)			Date:			Time:			Received by: (Signature)			Temp: °C Bottles Received:			If preservation required by Login: Date/Time				
Relinquished by: (Signature)			Date:			Time:			Received for lab by: (Signature)			Date: 4/15/22 Time: 0900			Hold:				
															Condition: NCF / OK				

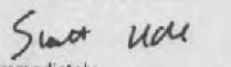
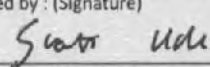
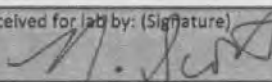
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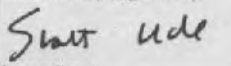
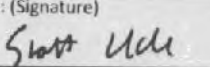
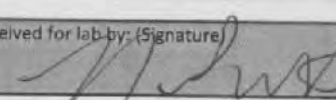
TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752				Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com				Pres Chk		Analysis / Container / Preservative										Chain of Custody Page 19 of 25			
Report to: Julie Speer				Email To: jspeer@trccompanies.com																 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859			
Project Description: Artesia Spring 2022				City/State Collected: Artesia, NM																			
Phone: 512-684-3170 Fax:		Client Project #		Lab Project # TRCATX-ARTESIA																			
Collected by (print): Scott Ude/HMI Team		Site/Facility ID # (Navajo - Artesia)		P.O. #																			
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #		Date Results Needed																	
Immediately Packed on Ice N ☐ Y ☒																							
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V82600XY - 40mlAmb HCl	DROLVI - 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	Anions. TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270TX/8270DIOXANE - 100ml Amb-NoPr	L# 4432982					
MW-101		Grab	GW		4/13/22	1445	13	x	x	x	x	x	x				x	No SVOCs					
MW-105		Grab	GW		4/13/22	1355	11	x	x	x	x	x	x					56					
MW-2		Grab	GW				15	x	x	x	x	x	x				x	L MAPL					
MW-61		Grab	GW		4/13/22	1250	15	x	x	x	x	x	x				x	57					
MW-82		Grab	GW				18	x	x	x	x	x	x			x	x						
MW-62R		Grab	GW				12	x	x	x	x	x	x										
MW-93		Grab	GW		4/13/22		16	x	x	x	x	x	x				x	Covered w/ gravel, unable to locate					
MW-43		Grab	GW				19	x	x	x		x	x	x	x	x	x						
MW-137		Grab	GW				14	x	x	x		x	x	x	x		x	No 1,4-D					
MW-137A		Grab	GW				12	x	x	x		x	x	x	x								
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks: Samples returned via: ☐ UPS ☒ FedEx ☐ Courier		Tracking #														Sample Receipt Checklist COC Seal Present/Intact: ☐ NP ☐ Y ☐ N COC Signed/Accurate: ☐ Y ☐ N Bottles arrive intact: ☐ Y ☐ N Correct bottles used: ☐ Y ☐ N Sufficient volume sent: ☐ Y ☐ N If Applicable VOA Zero Headspace: ☐ Y ☐ N Preservation Correct/Checked: ☐ Y ☐ N					
Relinquished by: (Signature) 		Date: 4/14/22		Time: 0700		Received by: (Signature)		Trip Blank Received: Yes / No HCL / MeOH TBR															
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Temp: °C		Bottles Received:												If preservation required by Login: Date/Time	
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature) 		Date: 4/15/22		Time: 0900												Hold:	
																						Condition: NCF / OK	

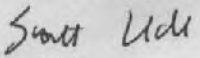
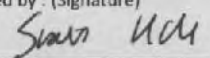
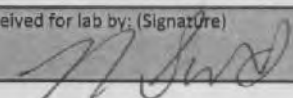
TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752				Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com				Pres Chk		Analysis / Container / Preservative V82600XY - 40mlAmb HCl DROLVI - 40mlAmb-HCl-BT GRO - 40mlAmb HCl Total/Diss. Short List Metals Anions. TDS - 500mlHDPE-NoPres NO2NO3 - 250mlHDPE-H2SO4 Total /Diss. Long List Metals Cyanide - 250mlHDPEAmb-NaOH EDB - 40mlClr-NaThio								Chain of Custody Page 20 of 25  12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859 											
Report to: Julie Speer				Email To: jspeer@trccompanies.com																									
Project Description: Artesia Spring 2022				City/State Collected: Artesia, NM																									
Phone: 512-684-3170 Fax:		Client Project #		Lab Project # TRCATX-ARTESIA																									
Collected by (print): Scott Ude/HMI Team		Site/Facility ID # (Navajo - Artesia)		P.O. #																									
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #		Date Results Needed		No. of Cntrs																					
Immediately Packed on Ice N ☐ Y ☒																													
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V82600XY - 40mlAmb HCl	DROLVI - 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	Anions. TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270TX/8270DIOXANE - 100ml Amb-NoPr	L #	Table #	Acctnum: TRCATX	Template: T206518	Prelogin: P915556	TSR: 526	PB:	Shipped Via:	Remarks	Sample # (lab only)		
MW-138		Grab	GW				16	x	x	x		x	x	x	x		x												
MW-138A		Grab	GW				12	x	x	x		x	x	x	x														
MW-23		Grab	GW				15	x	x	x	x	x	x				x												
TEL-4		Grab	GW				13	x	x	x	x	x	x				x										No SVOCs		
TEL-3		Grab	GW				11	x	x	x	x	x	x																
TEL-2		Grab	GW				11	x	x	x	x	x	x																
TEL-1		Grab	GW				11	x	x	x	x	x	x																
MW-39		Grab	GW				13	x	x	x	x	x	x				x										No SVOCs		
MW-98		Grab	GW				11	x	x	x	x	x	x																
RW-10		Grab	GW				13	x	x	x	x	x	x				x										No SVOCs		
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks:		Samples returned via: ☐ UPS ☒ FedEx ☐ Courier		Tracking #		pH _____ Temp _____ Flow _____ Other _____		Sample Receipt Checklist COC Seal Present/Intact: ☐ NP ☐ Y ☐ N COC Signed/Accurate: ☐ Y ☐ N Bottles arrive intact: ☐ Y ☐ N Correct bottles used: ☐ Y ☐ N Sufficient volume sent: ☐ Y ☐ N If Applicable VOA Zero Headspace: ☐ Y ☐ N Preservation Correct/Checked: ☐ Y ☐ N																			
Relinquished by: (Signature) 		Date: 4/14/22		Time: 0700		Received by: (Signature)		Trip Blank Received: Yes / No HCL / MeOH TBR																					
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Temp: °C		Bottles Received:		If preservation required by Login: Date/Time																	
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature) 		Date: 4/15/22		Time: 0900		Hold:		Condition: NGF / OK															

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752						Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com													
Report to: Julie Speer						Email To: jspeer@trccompanies.com													
Project Description: Artesia Spring 2022						City/State Collected: Artesia, NM													
Phone: 512-684-3170 Fax:			Client Project #			Lab Project # TRCATX-ARTESIA													
Collected by (print): Scott Ude/HMI Team			Site/Facility ID # (Navajo - Artesia)			P.O. #													
Collected by (signature): <i>[Signature]</i>			Rush? (Lab MUST Be Notified) ____ Same Day ____ Five Day ____ Next Day ____ 5 Day (Rad Only) ____ Two Day ____ 10 Day (Rad Only) ____ Three Day			Quote #			Date Results Needed										
Immediately Packed on Ice N ____ Y ____						No. of Cntrs													
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time													
MW-40	Grab	GW				13	V8260OXY - 40ml/Amb HCl	DROLVI - 40ml/Amb-HCl-BT	GRO - 40ml/Amb HCl	Total/Diss. Short List Metals	Anions, TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres			
MW-41	Grab	GW				13	x	x	x	x	x	x				x			
RW-9	Grab	GW		4/13/22	910	16	x	x	x	x	x	x			x	x			
MW-42	Grab	GW				13	x	x	x	x	x	x				x			
MW-29	Grab	GW				13	x	x	x	x	x	x				x			
MW-16B	Grab	GW				11	x	x		x	x	x				x			
MW-56	Grab	GW		4/13/22	1035	9	x	x		x	x	x							
MW-49	Grab	GW		4/13/22	1420	14	x	x	x		x	x	x	x		x			
MW-106	Grab	GW				13	x	x	x	x	x	x				x			
MW-45	Grab	GW		4/13/22	1250	12	x	x			x	x	x	x		x			
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other						Remarks: Samples returned via: UPS FedEx Courier Tracking #						pH Temp Flow Other							
Relinquished by : (Signature) <i>[Signature]</i>						Date: 4/14/22		Time: 0700		Received by: (Signature) <i>[Signature]</i>						Trip Blank Received: Yes / No HCL / MeoH TBR			
Relinquished by : (Signature)						Date:		Time:		Received by: (Signature)						Temp: °C Bottles Received:		If preservation required by Login: Date/Time	
Relinquished by : (Signature)						Date:		Time:		Received for lab by: (Signature) <i>[Signature]</i>						Date: 4/15/22 Time: 0900		Hold: Condition: NCF / OK	

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752				Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com				Pres Chk		Analysis / Container / Preservative								Chain of Custody Page 22 of 25	
Report to: Julie Speer				Email To: jspeer@trccompanies.com														 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859	
Project Description: Artesia Spring 2022				City/State Collected: Artesia, NM															
Phone: 512-684-3170 Fax:		Client Project #		Lab Project # TRCATX-ARTESIA															
Collected by (print): Scott Ude/HMI Team		Site/Facility ID # (Navajo - Artesia)		P.O. #															
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #															
Immediately Packed on Ice N ☐ Y ☒				Date Results Needed		No. of Cntrs													
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time			V82600XY - 40mlAmb HCl	DROLVI - 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	Anions. TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres		
DUP-TEL-01	Grab	GW				13		x	x	x	x	x	x				x		
EB-TEL-01	Grab	GW				13		x	x	x	x	x	x				x		
TRIP BLANK-REST-04	Grab	GW		4/13/22	—	1		x										62	
TRIP BLANK-TEL-01	Grab	GW				1		x											
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks: Samples returned via: ☐ UPS ☒ FedEx ☐ Courier																	
Relinquished by: (Signature) 		Date: 4/14/22		Time: 0700		Received by: (Signature)		Trip Blank Received: Yes / No HCL / MeOH TBR										Sample Receipt Checklist: COC Seal Present/Intact: ☐ NP ☐ Y ☐ N COC Signed/Accurate: ☐ Y ☐ N Bottles arrive intact: ☐ Y ☐ N Correct bottles used: ☐ Y ☐ N Sufficient volume sent: ☐ Y ☐ N If Applicable: VOA Zero Headspace: ☐ Y ☐ N Preservation Correct/Checked: ☒ Y ☐ N	
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Temp: °C		Bottles Received:		If preservation required by LogIn: Date/Time							
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature) 		Date:		Time:		Hold:		Condition: NCF / OK					

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752			Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com			Pres Chk	Analysis / Container / Preservative										Chain of Custody Page <u>23</u> of <u>25</u>  12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859				
Report to: Julie Speer			Email To: jspeer@trccompanies.com																		
Project Description: Artesia Spring 2022			City/State Collected: Artesia, NM														L#				
Phone: 512-684-3170 Fax:		Client Project #		Lab Project # TRCATX-ARTESIA													Table #				
Collected by (print): Scott Ude/HMI Team		Site/Facility ID # (Navajo - Artesia)		P.O. #													Acctnum: TRCATX Template: T20651B				
Collected by (signature):  Immediately Packed on Ice N ☐ Y ☒		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #		Date Results Needed												Prelogin: P915556 TSR: 526 PB:			
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V82600XY - 40mlAmb HCl	DROLVI- 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	Anions. TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270/8270DIOXANE - 100ml Amb-NoPres	Shipped Via:	Remarks	Sample # (lab only)	
MW-139		Grab	GW				13	x	x	x	x	x	x				x	No SVOCs			
MW-50		Grab	GW				14	x	x		x	x	x			x	x	No SVOCs			
MW-97		Grab	GW				13	x	x	x	x	x	x				x	No 1,4-D			
MW-92		Grab	GW				13	x	x	x	x	x	x				x	No SVOCs			
RW-1		Grab	GW				13	x	x	x	x	x	x				x	No SVOCs			
MW-91		Grab	GW				13	x	x	x	x	x	x				x	No SVOCs			
MW-90		Grab	GW				13	x	x	x	x	x	x				x	No SVOCs			
MW-96		Grab	GW				11	x	x	x	x	x	x								
MW-94		Grab	GW				13	x	x	x	x	x	x				x	No SVOCs			
RW-8		Grab	GW				14	x	x		x	x	x			x	x	No SVOCs			
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks:																			
Samples returned via: ☐ UPS ☒ FedEx ☐ Courier		Tracking #																			
Relinquished by: (Signature) 		Date: 4/14/22		Time: 0700		Received by: (Signature) 		Trip Blank Received: Yes / No HCL / MeOH TBR		Temp: °C Bottles Received:										If preservation required by Login: Date/Time	
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Temp: °C Bottles Received:		If preservation required by Login: Date/Time										Condition:	
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature)		Date:		Time:		Hold:		Condition:		OK / OK					

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752				Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com				Pres Chk		Analysis / Container / Preservative								Chain of Custody Page 24 of 25	
Report to: Julie Speer				Email To: jspeer@trccompanies.com														 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859	
Project Description: Artesia Spring 2022				City/State Collected: Artesia, NM															
Phone: 512-684-3170 Fax:		Client Project #		Lab Project # TRCATX-ARTESIA															
Collected by (print): Scott Ude/HMI Team		Site/Facility ID # (Navajo - Artesia)		P.O. #															
Collected by (signature):  Immediately Packed on Ice N ☐ Y ☒		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #		Date Results Needed		No. of Cntrs											
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time													
MW-67		Grab	GW				14	x	x	x		x	x	x	x		x		
MW-95		Grab	GW				11	x	x	x	x	x	x						
RW-7		Grab	GW				11	x	x	x	x	x	x						
NCL-34A		Grab	GW				9	x	x		x	x	x						
NCL-33		Grab	GW				9	x	x		x	x	x						
NCL-44		Grab	GW				9	x	x		x	x	x						
NCL-32		Grab	GW				9	x	x		x	x	x						
MW-108		Grab	GW				14	x	x		x	x	x			x	x		
NCL-31		Grab	GW				11	x	x		x	x	x				x		
MW-55		Grab	GW				12	x	x	x		x	x	x	x				
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks:																	
Samples returned via: ☐ UPS ☒ FedEx ☐ Courier		Tracking #																	
Relinquished by: (Signature) 		Date: 4/14/22		Time: 0700		Received by: (Signature)				Trip Blank Received: Yes / No HCL / MeOH TBR				pH _____ Temp _____ Flow _____ Other _____					
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)				Temp: _____ °C Bottles Received:				If preservation required by Login: Date/Time					
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature) 				Date: 4/15/22 Time: 0900				Hold:		Condition: NCF / OK			

TRC Solutions - Austin, TX 505 E. Huntland Dr, Ste 250 Austin, TX 78752			Billing Information: Accounts Payable 21 Griffin Road North Windsor, CT 06095 apinvoiceapproval@trcsolutions.com			Pres Chk		Analysis / Container / Preservative										Chain of Custody Page 25 of 25									
Report to: Julie Speer			Email To: jspeer@trccompanies.com															 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859									
Project Description: Artesia Spring 2022			City/State Collected: Artesia, NM																								
Phone: 512-684-3170 Fax:		Client Project #		Lab Project # TRCATX-ARTESIA																							
Collected by (print): Scott Ude/HMI Team		Site/Facility ID # (Navajo - Artesia)		P.O. #																							
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #		Date Results Needed																					
Immediately Packed on Ice N ☐ Y ☒																											
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V82600XY - 40mlAmb HCl	DROLVI - 40mlAmb-HCl-BT	GRO - 40mlAmb HCl	Total/Diss. Short List Metals	Anions, TDS - 500mlHDPE-NoPres	NO2NO3 - 250mlHDPE-H2SO4	Total /Diss. Long List Metals	Cyanide - 250mlHDPEAmb-NaOH	EDB - 40mlClr-NaThio	8270DIOXANE - 100ml Amb-NoPres	L #	Table #	Acctnum: TRCATX	Template: T206518	Prelogin: P915556	TSR: 526	PB:	Shipped Via:		
RW #17A		Grab	GW				13	x	x	x	x	x	x				x										
MW-18		Grab	GW				10	x	x			x	x	x	x												
MW-54A		Grab	GW				11	x	x		x	x	x				x										
NCL-49		Grab	GW				11	x	x		x	x	x				x										
MW-53R		Grab	GW				11	x	x		x	x	x				x										
DUP-NCL-01		Grab	GW				11	x	x		x	x	x				x										
EB-NCL-01		Grab	GW				11	x	x		x	x	x				x										
TRIP BLANK-NCL-01		Grab	GW				1	x																			
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks: Samples returned via: ☐ UPS ☒ FedEx ☐ Courier																Tracking #		pH _____ Temp _____ Flow _____ Other _____		Sample Receipt Checklist: COC Seal Present/Intact: ☐ NP ☐ Y ☐ N COC Signed/Accurate: ☐ Y ☐ N Bottles arrive intact: ☐ Y ☐ N Correct bottles used: ☐ Y ☐ N Sufficient volume sent: ☐ Y ☐ N If Applicable VOA Zero Headspace: ☐ Y ☐ N Preservation Correct/Checked: ☒ Y ☐ N					
Relinquished by: (Signature) 		Date: 4/14/22		Time: 0700		Received by: (Signature)		Trip Blank Received: Yes / No HCL / MeOH TBR		Temp: _____ °C		Bottles Received:		If preservation required by Login: Date/Time													
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Temp: _____ °C		Bottles Received:		If preservation required by Login: Date/Time															
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature) 		Date: _____ Time: _____		Hold:		Condition: NCF / OK															

Tracking Numbers	Temperature
5719 6175 3429	1.1
5719 6175 8105	4.7
5719 6175 6800	2.7
5719 6175 6840	2.5
5719 6175 2904	4.8
5719 6175 8026	4.0

5719 6175 3418 0.2

5719 6175 6494 1.6

5719 6175 6483 1.2

5719 6175 7435 5.1

5719 6175 8104 0.2

5719 6175 6851 0.1

5719 6175 7413 0.2

5719 6175 7424 2.9

4/15/22 - NCF L1482988 TRCATX

R5

Time estimate: 0h Time spent: 0h

Members

Matthew Shacklock (responsible) Christopher McCord Erica McNeese

- ☒ Login Clarification needed
- ☐ Chain of custody is incomplete
- ☐ Please specify Metals requested
- ☐ Please specify TCLP requested
- ☐ Received additional samples not listed on COC
- ☐ Sample IDs on containers do not match IDs on COC
- ☐ Client did not "X" analysis
- ☐ Chain of Custody is missing
- ☐ If no COC: Received by: _____
- ☐ If no COC: Date/Time: _____
- ☐ If no COC: Temp./Cont.Rec./pH: _____
- ☐ If no COC: Carrier: _____
- ☐ If no COC: Tracking #: _____
- ☐ Client informed by call
- ☒ Client informed by Email
- ☐ Client informed by Voicemail
- ☒ Date/Time: 4/18/22 09:59
- ☒ PM initials: CM
- ☒ Client Contact: Scott Ude

Comments

Matthew Shacklock	15 April 2022 3:23 PM
1. We did not receive RW-4. 2. We received RW-6 which crossed out on the chain. Logged the sample as RW-6. There is no time or date on the bottles.	
Christopher McCord	18 April 2022 10:05 AM
1. Containers received for RW-6 are RW-4.	
Matthew Shacklock	19 April 2022 8:50 AM
done	

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 227902

CONDITIONS

Operator: HF Sinclair Navajo Refining LLC ATTN: GENERAL COUNSEL Dallas, TX 75201	OGRID: 15694
	Action Number: 227902
	Action Type: [UF-DP] Discharge Permit (DISCHARGE PERMIT)

CONDITIONS

Created By	Condition	Condition Date
Ibarr	None	10/3/2023