Mr. Rob Tucker California Regional Water Quality Control Board Lahontan Region 2501 Lake Tahoe Blvd. South Lake Tahoe, CA 96150

Discharger: Teichert Materials

Name of Facility: Martis Valley

WDRs Order Number: No.6-96-59, WDID No.6A294520011

County: Nevada

I am hereby submitting to the Central Valley Water Board the following information:

Check all that apply:

Monthly Monitoring Report for the month of _____

1st / 2nd / 3rd (4th (circle one) Quarterly Monitoring Report for the year of______

1st/ 2nd (circle one) Semi-annual Monitoring Report for the year

Annual Monitoring Report for the year <u>2020</u>

Violation Notification

During the monitoring period, there were were no (circle one) any violations of the WDR's.

- 1. The violations were:
- 2. Have the violations been corrected? Yes / No. If no, what will be done to correct the violations:

Certification Statement

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

Signature: _____

Phone # 916-484-325

Printed Name: <u>J</u>ohn Lane

Date: February 2, 2021



Established 1887

February 2, 2021

Mr. Rob Tucker California RWQCB Lahontan Region 2501 Lake Tahoe Blvd. South Lake Tahoe, CA 96150

RE: Board Order No. 6-96-59, WDID No. 6A294520011 Martis Valley 2020 4Quarter & Annual Report

Dear Mr. Tucker:

Enclosed please find a copy of the 2020 4th Quarter and Annual Report for our Martis Valley Plant, Board Order No.6-96-59, WDID No. 6A294520011. If you have any questions or comments, please contact me at (916) 480-5523, or by email at <u>wchristner@teichert.com</u>

Teichert Ag	gregates - Martis Valley
Regulatory Program	Waste Discharge to Land
Unit	Compliance
Regulated Party Name	A Teichert & Son Inc
Facility Name	Teichert Martis Valley operation
County	Nevada
Order No.:	6-96-59
WDID No.	6A294520011

Sincerely,

Sill Chuster fr.

Bill Christner, PhD Environmental Scientist A. Teichert & Son, Inc.

2020 FOURTH QUARTER & ANNUAL REPORT

WASTE DISCHARGE REQUIREMENTS

MRP NO. 6-96-59

MARTIS VALLEY PLANT



TEICHERT AGGREGATES P.O.BOX 15002 SACRAMENTO, CA 95851-1002 (916) 464-3011

I. Site Description

This facility consists of an aggregate mining and processing operation with an import recycling component. The mining process includes extracting aggregates from the mine area and transporting the material to the processing plant via conveyors. Material processing includes crushing, sizing, stockpiling, and washing material. The processed material is loaded into trucks for use off-site ,or used in the on-site asphalt plant for asphalt production. Recycling includes the import of asphaltic concrete (AC) and portland cement concrete (PCC), which is then crushed, sized and re-sold. A site location map is attached as **Figure 1**.

II. Site Conditions

Site conditions are inspected monthly and documented. The inspection includes condition of containment dikes, settling pond capacity, evidence of chemical spills, evidence of erosion, and condition of oil/water separator. See **Attachment 1** for copies of the inspection forms.

A. Containment Dikes Around Settling or Storage Ponds

Containment dikes remained in good condition throughout the year. No evidence of berm failure was observed.

B. Settling Pond Capacity

The settling pond capacity remained adequate throughout the year and did not overflow during the year.

C. Chemical Spills

There were no spills in 2020 in quantities that required reporting (>5 gallons).

D. Erosion In and Around the Site

Erosion only occurred within the boundaries of the mine site and was repaired during ongoing reclamation activities. All stormwater is retained on-site, and no stormwater run-off was observed.

E. Condition of Oil/Water Separator

The oil/water separator remained in acceptable condition throughout the year.

III. Groundwater

a. Gauging

Groundwater gauging is performed monthly through an agreement with the Tahoe-Truckee Sanitation Agency (TTSA). All accessible wells are gauged. Locations of groundwater depth measurements are presented in **Attachment 2**, along with a static groundwater elevation data summary table.

b. Sampling

Groundwater sampling takes place quarterly at three wells: the Plant Well, Monitoring Well-33 (MW-33) and Monitoring Well-40 (MW-40, background well). Samples were collected by Teichert personnel and analyzed by a California Certified Environmental Lab.

The Plant Well has a dedicated pump which usually runs continuously during normal plant operations. Samples were collected directly into containers from a sample port near the well head.

Monitoring wells MW-33 and MW-40 were purged and sampled during quarterly sampling periods Q1-Q4. The method consisted of purging three volumes of well casing water until water quality parameters stabilized utilizing a flow rate of approximately 2.0 gpm. A 2-inch submersible pump is lowered slowly and carefully to avoid unnecessary disturbance in each well. The pump intake is positioned near the bottom of the screened interval and the depth to water is monitored to prevent unnecessary drawdown. Discharged water passes through dedicated polyethylene tubing to a flow-through cell for measurement using a multi-parameter sensor and turbidity meter. Calibration was conducted following the manufacturer's instructions during each day of use.

Field parameters (pH and electrical conductivity [EC]) were monitored during purging and samples were retrieved upon stabilization of these parameters. Typically,

temperature, dissolved oxygen (DO) content, oxygen redox potential (ORP), turbidity, and appearance are also observed.

All samples were collected in laboratory-supplied bottles with no headspace, immediately placed on ice, and delivered to a laboratory certified through the State of California (Department of Health Services Environmental Laboratory Accreditation Program) with the proper chain-of-custody documentation within the required holding time.

Copies of the analytical reports for each quarter are included in **Attachment 3**, copies of Field Notes are included in **Attachment 4**. A summary of these results is provided in **Table 1** (2020 Summary of Analytical Results).

No detections were recorded for gasoline range hydrocarbons (TPHg), diesel range hydrocarbons (TPHd), Hexane Extrable Material (HEM, aka: Oil & Grease) not detected above their respective reporting limits in 2020. A single detection for motor oil was observed in the 4Q20 sampling of the Plant Well. The detection was well below the reporting limit of 5.0 mg/L (5000 μ g/L).

The following constituents (not required by the WDR order) were included as part of the groundwater monitoring, because they are components of gasoline which is retained on site. These constituents were not detected during any sample event.

• Benzene, Toluene, Ethylbenzene and Xylene (BTEX)

IV. Mining Activities

Mining activities at this site include mining for aggregates, processing aggregates, asphalt production, reclamation or backfilling, importing materials, and recycling of soil, asphalt, and concrete. The mined area backfilled is shown on a map as **Figure 2**. A majority of the mining took place in the south-central portion of the site. Mining at the South Hill area was limited in 2020. **Table 2 –Import Products 2020** details the type, amount, source, and end use of import materials. Import materials (asphalt, rock, and concrete) were accepted for recycling into a marketable product and soils were imported for backfilling previously mined areas (reclamation) and to build berms within the site.

Mining and pit floor elevations were maintained to be greater than 2-feet above groundwater. Routine surveys were performed to control mining grade.

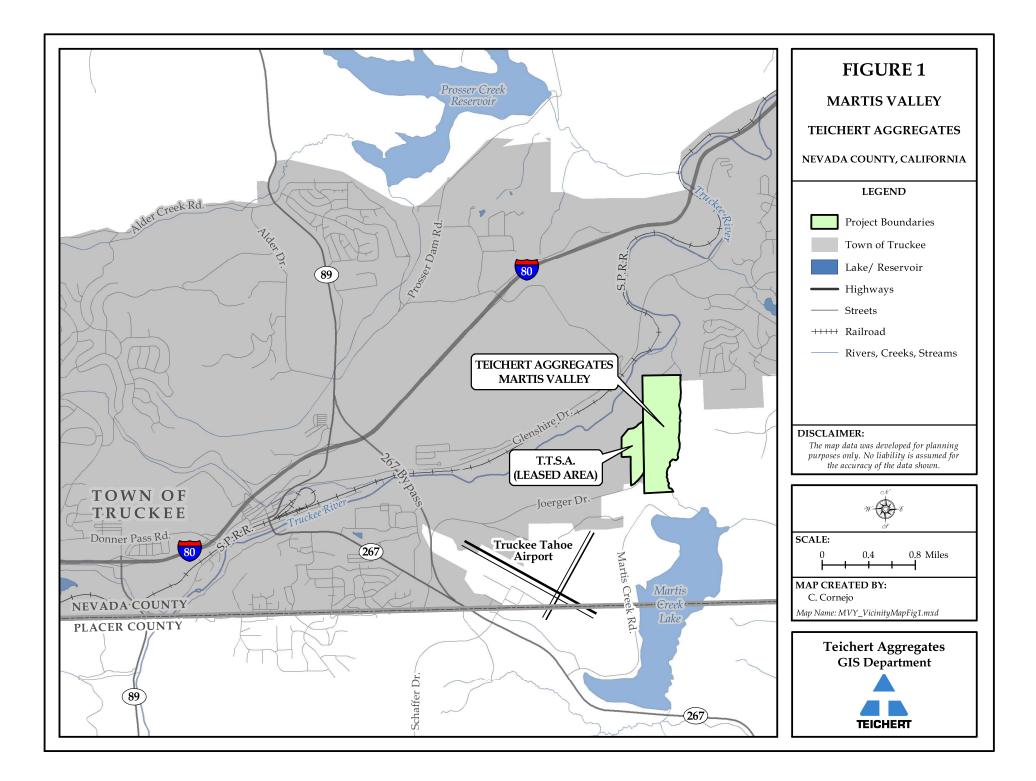
As listed in Section II of this report, the capacity of the settling ponds remained adequate throughout the year.

V. Summary

Activities at the plant do not appear to have impacted groundwater or surface water. No aggregate wash water was discharged to surface or groundwater, and wash water discharges were restricted to the designated disposal area. No berm failures were reported and no fuel spills in reportable quantities occurred.

There were some changes to the Site. As part of a lease agreement with TTSA, the mined out Western side of the facility is being reclaimed. Increasingly smaller areas are being mined around the plant. The south hill area of the site is actively being mined and used for re-screening native and import materials.

In conclusion, the 2020 groundwater monitoring results indicate there are no impacts to groundwater quality as a result of mining activities.



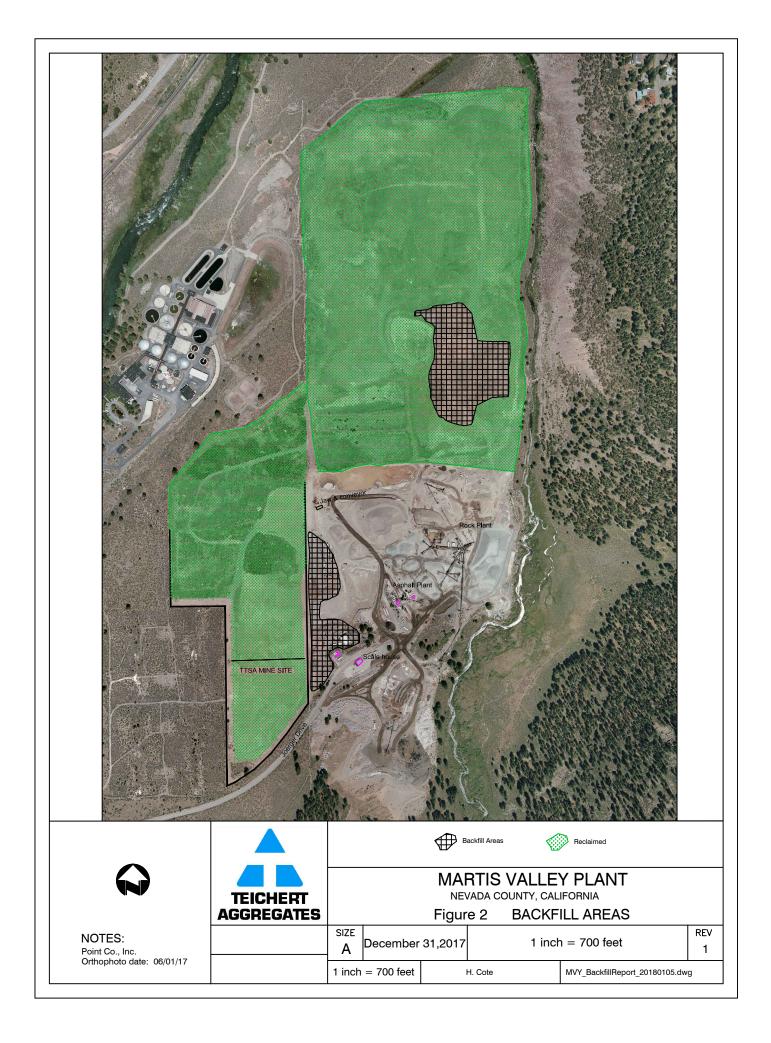


		Table 1.	Groundwa	ter Quality	Summary T	able									
		Teiche	ert Aggreg	ates Martis	Valley Plar	nt									
			TPH-G (ug/l)	TPH-D and MO (ug/l)	Oil and Grease (HEM) (mg/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylene Total (ug/l)						
		etection Limit	50.0	50.0	5.0	0.50	0.50	0.50	1.0						
Location	Well ID	Date				•									
Upgradient	MW-40	1/24/2020	ND	ND	ND	ND	ND	ND	ND						
UpgradientMW-409/20/2020NDNDNDNDNDNDNDUpgradientMW-4012/21/2020NDNDNDNDNDNDND															
Upgradient	UpgradientMW-409/20/2020NDNDNDNDNDNDNDUpgradientMW-4012/21/2020NDNDNDNDNDNDND														
Upgradient	MW-33	6/29/2020	ND	ND	ND	ND	ND	ND	ND						
Upgradient	MW-33	9/20/2020	ND	ND	ND	ND	ND	ND	ND						
Upgradient	MW-33	12/21/2020	ND	ND	ND	ND	ND	ND	ND						
Downgradient	Plant Well	1/24/2020	ND	ND	ND	ND	ND	ND	ND						
Downgradient	Plant Well	6/29/2020	ND	ND	ND	ND	ND	ND	ND						
Downgradient	Plant Well	9/20/2020	ND	ND	ND	ND	ND	ND	ND						
Downgradient	Plant Well	12/21/2020	ND	100*	ND	ND	ND	ND	ND						
* = value is for			tected.												
ND = Not detec		ction limit.													
NA = Not Analy		.1 11 11	•.												
Bold – values d		Ŭ													
TPH-G, TPH-D	, Oil and Grea	se Required	testing by V	VDR											

Teichert Martis Valley Plant

Table 2 - Import Product 2020

	SOIL, ROCK	ASPHALT, CONCRETE, ROCK	
	Use = Reclamation	Use = Recycling	SUBTOTAL
Month	Source = Import from clean excavations	Source = Import from construction demolition	
	(tons)	(tons)	(tons)
January	0.00	0.00	0.00
February	0.00	0.00	0.00
March	0.00	0.00	0.00
April	0.00	178.37	178.37
Мау	44.26	1818.19	1862.45
June	168.23	2070.21	2238.44
July	451.52	2870.35	3321.87
August	3530.33	1300.95	4831.28
September	2485.31	1709.42	4194.73
October	1621.98	2256.68	3878.66
November	9.77	343.58	353.35
December			0.00
TOTAL	8,311.40	12,547.75	20,859.15

ATTACHMENT 1

MONTHLY MONITORING AND INSPECTION RECORDS

Teichert N	pril	Year	17	07	0				Mont As requ	uired by	40 CF	R, 112	7 and S	SPCC P	Plan				Plan			rt	151	10	110
II items inspect	ed and satisfactory unless noted othe	erwise	200 toto		82	¢ 762	O = Repair								1	ents bek	7	1	NA=N		cable	/	7	1	1
	Test Contents	New antifice	Used on .	Used anti-	Gasoline .	Lube lant -	Diesal tank	Asphall lank 1	Asphall lank 2	Asphalt lank a	Asphall lank a	Asphalt lank s	Propane tank 1	Propane tank -											
	Tank Size in Gallons	250 shop	500	250 shop	500	2250 Fuel IL	15000 Fuel IL	20000 Hot plt	20000 Hot plt	20000	6000	6000	20000 Hot plt	30000 Hot plt							-				
	Inspection Items	anop A la ci	States	Shipp		N.		144				学会	100					ter a	Reg	3 mili	語い	Ritz	部制建		NY I
AST	Inspect tanks and piping for leaks and/or damage	1	V	/	\checkmark	\checkmark	V	V	V	V	V	V	V	V	r					-					
	Surface condition good-no rusting or pitting. Bolts, rivels, or seams are not damaged. Foundation intact and good condition.		1	1	V	V	V	V	1	V	V	V	V	~											
	Vents are not obstructed. Valves, flanges, and gaskets are free from leaks.	V	1	V	V	V	V	1	V	V	2	V	V	V											
	Level gauges and alarms working property.	./	V		V	V	V	V	V	V	V	V	V	V											
	Containment walls are intact- inspect interstitial area of double walled tanks	V	V	V	V	V	V	V	V	V	V	V	V	V											
	Properly Labeled with Contents and proper warning labels.	V	V	1	V	V	1	V	~	V	~	V	/	V											
ad/Unload Area	Inspect loading arm, hoses, couplers and piping for leaks and/or damage.	V	1	V	V	V	1	V	V	V	V	V	V	V											
	Drip pans are not overflowing. Catch basins are free of contamination.	V	V	V	V	V	V	V	V	V	V	V	1	V											
	Warning signs are posted. Containment wall, curbing or	~	~	~	~	~	/	V	~	V	V	/	V	~								-			
ntainment	trenches are intact, no damage or	V	1	1	V	V	1	V	V	~	V	V	V	V	[
	are closed, locked or capped	V	1	V	V	V	V	V	V	V	~	V	2	4								-			
	Containment area is clean of debris and standing water. Check water for oil sheen before	V	V	V	1	~	V	V	V	V	V	V	1	1							-				
	discharging. Discharge <u>Clean</u> water only! Oil/water separator systems are	V	V	V	V i/	V	V	V	~	V	V	V	V	./							-	-			
ecurity &	working property ATS controls & pumps locked	V	1	1	V	V	1	1	V	V	V	V	V	/											
	when not in use. Lighting, fence or gates intact.	1	V	1	1	1	1	1	V	V	V	V	1	~											
	Emergency shut off accessible & working with proper signage. Spill kit and Fire Extinguishers	V	V	1	V	~	V	~	V	V	V	VI	V	V											-
	available and up to date. Inspect for leaks, damage and	V	V	1	V	V	V	V	V	V	1	~	V	V								-			
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	Containment walls are intact- inspect interstitial area of double walled tanks	V	V	1	V	V	V	V	V	V	V	V	V	V										
Containment walls are intact- inspect interstitial area of double walled tanks V																								
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	Warning signs are posted.	/	V	~	~	~	/	V	~	V	V	/	V	~		 -								-
	Containment wall, curbing or trenches are intact, no damage or leaks.	V	1	~	V	V	1	V	V	~	V	V	V	V		 				<u> </u>	-			
	Containment area drainage valves are closed, locked or capped	V	1	V	V	V	V	V	V	V	~	V	V	4										
	Containment area is clean of debris and standing water.	V	1	1	1	V	V	V	V	V	V	V	~	V										
	Check water for oil sheen before discharging. Discharge <u>Clean</u> water only!	/	1	V	\checkmark	1	V	~	~	V	V	V	V	1										
	Oil/water separator systems are working property	1/	V	V	1	1	V	1	V	V	~	V	V	V										
Security &	ATS controls & pumps locked	./	./		1/	1	V	1	V	1/	V	1	V	1			1							
Response	when not in use. Lighting, fence or gates intact.	5	V	1	1	1	1	1	V	V	V	~	1	1			-	-						
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	working with proper signage. Spill kit and Fire Extinguishers available and up to date.	V	V	1	V	V	V	V	V	1	V	V	V	V										
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	Vents are not obstructed. Valves, flanges, and gaskets are free from	V	1	1	V	V	1	/	V	1	V	V	V	V					-	-		-			
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	walled tanks Properly Labeled with Contents	11	V	1	V	V	1	V	1	V	V	V	/	V	_					-	-			\vdash	
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Secondary Containment	trenches are intact, no damage or leaks		1	V	IV	V	K	V	V	14	V	V	V	V				-	+	+	+	+			
	Containment area drainage valves are closed, locked or capped	V	10	11	V	V	V	17	1.	1	11	1	1	V				+							
	Containment area is clean of debris and standing water.	V	11	V	10	10	V	1	V	10	10	-	-		-	-	-	-	-	-	-	1			
	Check water for oil sheen before discharging. Discharge <u>Clean</u> water only!	V	V	V	V	V	V	1	~	V	V	V	V	V		_		-	+	-		+-		-	
	Oil/water separator systems are working property	1V	V	V	i	10	11	11	V	V	1	V	V	V		-	-	-	+	+	-	+-		-	+
Security &	ATS controls & pumps locked when not in use.	V	V	V	V	V	.V	V	V	V	1 v	1	15	12	_	-		-	-		-	+-	-		-
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	Spill kit and Fire Extinguishers available and up to date.	V	V	11	V	11	IV	V	V	11	V	V	1-	10	-	-		+		+	+	+-	+	+	+
Drums &	Inspect for leaks, damage and	V	1	V	V	1.	11	V	V	V	V	V	10	1		_	-		+-	+	-	+-	-	+	+
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AST	Inspect tanks and piping for leaks and/or damage Surface condition good-no rusting	~	V	~	V	V	V	V	V	V	V	<u>v</u>	•	V					-				·		
	or pitting. Bolts, rivets, or seams are not damaged. Foundation intact and good condition.	\checkmark	\checkmark	/	V	V	V	V	V	V	V	V	V	~							-	-			
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	Drip pans are not overflowing. Catch basins are free of contamination.	V	V	V	V	V	V	V	V	V	V	V	V	5			-		+	+	-		-		
	Warning signs are posted. Containment wall, curbing or	V	V	V			-				10				-										
Secondary Containment	trenches are intact, no damage or leaks. Containment area drainage valves	V	~	V	V	K	1	V	V	4		V	V		-	-	-			+	+				
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	debris and standing water. Check water for oil sheen before discharging. Discharge <u>Clean</u>	V	1	V	V	V	V	V	V	V	V	V	V	V											
	water only! Oil/water separator systems are working property	V	V	V	1	1	V	1	V	V	V	1	V	V							1		-		
Security & Response	ATS controls & pumps locked when not in use.	V,	V	1	V	V	V	V	V	V	V	1V	17	1	1	-		_		-	-	-	+	-	
	Lighting, fence or gates intact. Emergency shut off accessible &	V	V	1 v	V	1		1./	V	h	1		iv	iv	1	1			1						
	working with proper signage. Spill kt and Fire Extinguishers available and up to date.	V	V	1	V	V	V	V	V	V	V	V	V	V					1	1	\square			\square	
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	order, clean of debris and excess water.	V	V	V	V	1	V	V	V	V	V	V	V												
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Teichert M Month:/	FUCUST	Year:	12	20	20		• •		Mont As req	uired by	40 CF	R, 112.	7 and S		Plan							rt	151	10	1107
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	Tank Size in Gallons	250	500	250	500	2250	15000	20000	20000	20000 Hot plt	6000		20000 Hot plt	30000				-			+	+			
· State P. Mass	Location	shop	shop	shop	FuelIL	Fuel IL	Fuel IL	Hot plt	Hot pit	HOL PIL	Hotph	Nor par		-	100	150-	ALC:	- Little	14:00	24-23	12:23	2175	No. 2	34 - A	常度
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	Vents are not obstructed. Valves, flanges, and gaskets are free from leaks.	V	1	V	V	V	1	1	V	~	V	V	V	V											
	Level gauges and alarms working	1	1		1	V	1/	1	1	V	V	1	V	V											
	property. Containment walls are intact-	V										~													
	inspect interstitial area of double walled tanks Property Labeled with Contents	V	V	V	V	V	V	V	V	V	5	V	V	V				-							
	and proper warning labels.	V	V	V	V	V	V	V	V	V		~	~	-				-	+	-	+	+			-
Load/Unload Area	Inspect loading arm, hoses, couplers and piping for leaks and/or damage.	V	1	V	V	V	1	V	V	V	V	V	V	V							_				
	Drip pans are not overflowing. Catch basins are free of contamination.	V	V	V	V	V	V	V	V	V	V	V	1	V											
	Warning signs are posted.	1	~	V	~	~	~	V	~	V	V	~	V	~				-		-	+	+			
Secondary Containment	Containment wall, curbing or trenches are intact, no damage or leaks.	V	1	1	V	V	1	V	V	~	v	V	V	V	-										
	Containment area drainage valves are closed, locked or capped	1/	11	V	V	V	V	11	1	11	1	V	12	1	ŕ										
	Containment area is clean of debris and standing water.	V	V	V	1	V	V	V	V	V	V	V	~	V											
	Check water for oil sheen before discharging. Discharge <u>Clean</u> water only!	V	1	V	\checkmark	1	V	1	1	V	V	V	V	V											
	Oil/water separator systems are working property	V	V	V	1	1	V	1	V	V	1	V	V	V											
Security &	ATS controls & pumps locked	V		1	V	V	V	1	11	V		V	V	1											
Response	when not in use. Lighting, fence or gates intact.	1	V	1	1	1	1	1	V	V	V	V	1	1											
	Emergency shut off accessible &	V	1	1	V	/	1	1/	1	N	V	VI	IV	V	1									- 1	
	working with proper signage. Spill kit and Fire Extinguishers	1	IV	17	V	V	i	1/	1	1	1/	V	1	V	-										
Drums &	available and up to date. Inspect for leaks, damage and	1	1	V	V	V	1	V	V	V	V	V	V	1											
Containers	proper labeling Secondary containment is in good order, clean of debris and excess water.	V	V	V	V	1	V	V	1	V	1	/	V	V											
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Teichert Month:	Sept	Year	20	20					Mont As req	uired by	40 CF	R, 112.	7 and 3		Plan							rt	151	10	119
All items inspect	ed and satisfactory unless noted other	amina				Ð	O = Repa	ir or Adjus	tment se	e Comm	ents bel				1		/				/	1	/	1	Λ
	Test Contents	New antifract	Used oil .	Used anir	Gasoline .	Lube lank To	Diesal lank	Asphall lank 1	Asphall tank 2	Asphalt lank 3	Asphall tank a	Asphall lank 5	Propane tank ,	Propane tank s											
	Tank Size in Gallons	250	500	250	500 Fuel IL	2250 Fuel IL	15000 Fuel IL	20000 Hot plt	20000 Hot plt	20000	6000	6000 Hot pit	20000	30000			-								
- andas	Location	shop 到明	shop	shop	Fuelit	Fuer IL	rueric	not pa	Hot pit	A STATE	in all				110		ALC:	Tate!		String .	權認	Alta			之行
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	are not damaged. Foundation intact and good condition.	V	V	1	V	V	V	V	V	V	V	V	V	-							-	-			
	Vents are not obstructed. Valves, flanges, and gaskets are free from leaks.	V	1	V	V	V	V	1	V	V	V	V	V	V											
	Level gauges and alarms working property.	V	V		V	V	V	V	V	V	V	V	V	V											
	Containment walls are intact- inspect interstitial area of double walled tanks	V	V	1	V	V	V	V	V	V	V	V	V	V											
	Properly Labeled with Contents and proper warning labels.	V	IV	11	V	V	1	V	V	V	V	V	/	V											
Load/Unioad Area	Inspect loading arm, hoses, couplers and piping for leaks and/or damage.	V	1	V	V	V	1	~	V	1	V	V	V	V											
	Drip pans are not overflowing. Catch basins are free of contamination.	V	V	V	V	V	V	V	V	V	V	V	V	V											
	Warning signs are posted.	1	~	V	~		/	V	1	V	V	~	V	1				-			-				
Secondary Containment	Containment wall, curbing or trenches are intact, no damage or leaks.	V	1	V	V	V	1	V	V	1	V	V	V	V	[ļ	-	-			
	Containment area drainage valves are closed, locked or capped	V	11	V	i	V	V	V	V	V	~	V	V	4				-	-	-					
	Containment area is clean of debris and standing water.	V	11	V	1	V	V	V	V	V	V	V	V	V					-	-					
	Check water for oil sheen before discharging. Discharge <u>Clean</u> water only!	1	1	V	V	1	V	1	~	V	V	V	V	V											
	Oil/water separator systems are working property	1/	V	V	1	1	V	11	V	V	11	11	V	V		-									
Security &	ATS controls & pumps locked	1	1	1	V	V	V	1	V	V	V	V	V	1											
Response	when not in use. Lighting, fence or gates intact.	1	V	1	1	1	1	11	V	V	V	10	1	1											
	Emergency shut off accessible & working with proper signage.	V	V	1/	V		V	1	V	N	V	VI	IV	11	Í										
	Spill kit and Fire Extinguishers available and up to date.	V	V	17	V	V	V	V	V	1	V	1	V	V	T										
Drums & Containers	Inspect for leaks, damage and proper labeling	1	1	V	~	V	1	V	V	V	V	V	V	~											
	Secondary containment is in good order, clean of debris and excess water.	V	V	V	V	1	V	V	1	V	1	1	~	TV											
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	flaterials OCH ed and satisfactory unless noted oth			20			O = Repa		Mont As requ	uired by	y 40 CF	R, 112	7 and		Plan	~			nt:		rł	15 (10	119
ла центь итвресы	Tark Contents	New antifree	Used oil .	Used and	Gasoline.		Diesal tank	Asphall tank 1	Asphalt tank 2		Asphall lank a	Asphall lank s			. /									Δ
	Tank Size in Gallons Location	250	500	250	500 Fuel IL	2250 Fuel IL	15000 Fuel IL	20000 Hot plt	20000 Hot plt	20000 Hot plt	6000 Hot plt	6000 Hot pit	20000 Hot plt	30000 Hot plt		 					-	-		
	Inspection Items	shop	shop	snop	Fuel IL	Puer IL	- del in	1 Ale and	and an	States -		秘密			調査者		tall.	建金	anily .		Rive	12.57		會行
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	or pitting. Bolts, rivets, or seams are not damaged. Foundation intact and good condition.	V	1	1	V	V	V	V	1	V	V	V	V	1										
	Vents are not obstructed. Valves, flanges, and gaskets are free from	11	/	V	V	V	V	11	V	1	V	V	V	V										
	Level gauges and alarms working	1	V		V	V	V	V	V	V	V	V	V	V										
	Containment walls are intact- inspect interstitial area of double	V	V	V	1		V	V	V	V	V	V	V	V										
	Ieaks. V																							
Load/Unload	flanges, and gaskets are free from leaks. V </td																							
Area	Drip pans are not overflowing. Catch basins are free of	./	1	V	V	V	V	V	V	V	V	V	V	V										
	contamination. Warning signs are posted.	V	1	V			1	V	1	V	V	17	V	1					-	1				
	Containment wall, curbing or	V.			-																			
Secondary Containment	trenches are intact, no damage or leaks.	V	1	V	V	V	1	V	V	1	V	V	V	V			-	-		-				
	Containment area drainage valves are closed, locked or capped	V	1	V	V	V	V	1	~	V	1	V	~	4						-	-			
	Containment area is clean of debris and standing water.	1/	V	V	1	1V	V	V	V	V	V	10	1	V										
	Check water for oil sheen before discharging. Discharge <u>Clean</u>	V	1	V	1	V	V	V	~	V	V	V	V	1										
	water only! Oil/water separator systems are working property	V	V	V	1	1	V	1	V	V	V	V	V	~										
Security &	ATS controls & pumps locked	1/	1	/	1/		V	V	V	V	V	IV	V	1										
Response	when not in use. Lighting, fence or gates intact.	1	V	1	1	1	1	1	V		V	V	1	1										
	Emergency shut off accessible &	V	V	1	V		V	1	V	N	V	VI	IV	V										
	working with proper signage. Spill kit and Fire Extinguishers available and up to date.	V	V	1	V	V	V	V	V	V	V	V	V	V										
Drums &	Inspect for leaks, damage and	V	1	V	V		/	V	V	V	V	V	V	1										
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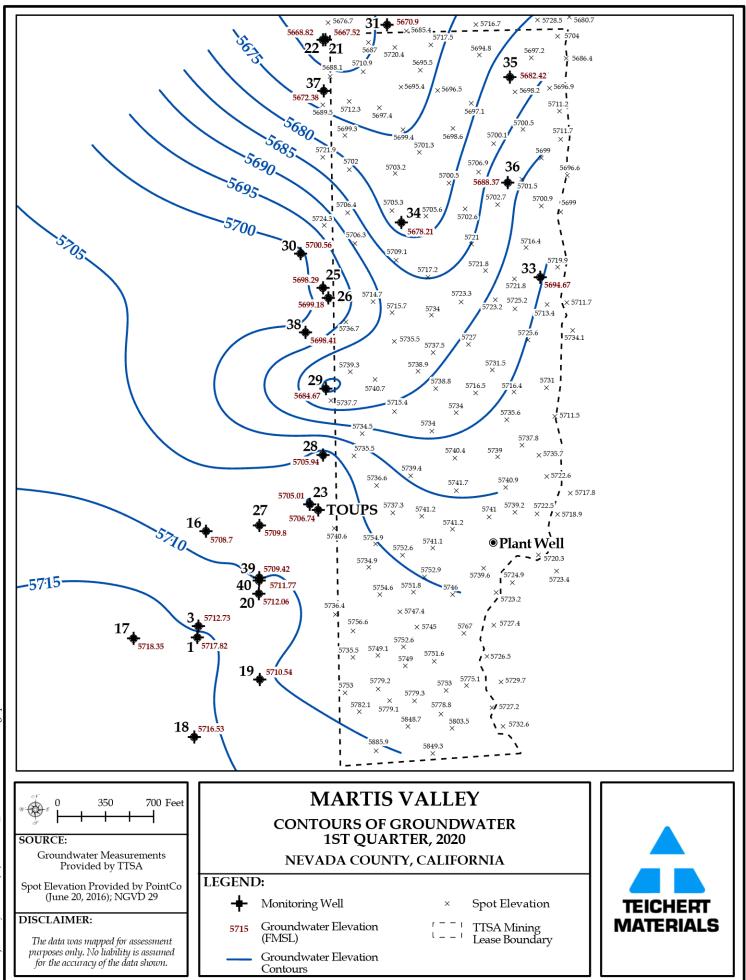
Month: /	eichert Materials onth: <u>Nov</u> Year: 76 items inspected and satisfactory unless noted otherwise S S S S S S S S S S																								
For realist inspect	Test Contents	New antifraction	Used on	Used and	Gasolina .	Lube land -	Diesal lank	Asphall tank ,	Asphall tank 2	Asphalt lank 3	Asphall tank a				./										\square
	Tank Size in Gallons Location	250	500	250	500 Fuel IL	2250 Fuel IL	15000 Fuel IL	20000 Hot plt	20000 Hot plt	20000 Hot plt	6000 Hot plt		20000 Hot plt	30000 Hot plt				-							
	and the second se	shop	shop	snop	1 million	-den it	Tueric P	100 pic	Sec. 2	1250	and a state	を開	制度	-			1 Chi	Fight is	· ·	anity.	編編	和日			直行
AST	Inspect tanks and piping for leaks and/or damage	J	V	17	\checkmark	\checkmark	V	V	V	V	V	V	V	V	_										
	Surface condition good-no rusting or pitting. Bolts, rivels, or seams are not damaged. Foundation intact and good condition.	V	1	1	V	V	V	V	~	V	V	V	V	~											
	Vents are not obstructed. Valves, flanges, and gaskets are free from leaks. Level gauges and alarms working property. Containment walls are intact- inspect interstitial area of double walled tanks Property Labeled with Contents																								
	fanges, and gaskets are free from /																								
	fanges, and gaskets are free from leaks. V																								
	leaks. V																								
Load/Unload Area	property. V V V V V V V V V V V V V V V V V V V																								
	property. V																								
	Warning signs are posted.	/	1	1	V	1	1	V	~	V	V	/	V	1											
Secondary Containment	Containment wall, curbing or trenches are intact, no damage or leaks.	V	1	V	V	V	1	V	V	~	i	V	V	V	<u> </u>										
	Containment area drainage valves are closed, locked or capped	V	11	1	V	V	V	V	~	V	~	V	~	V										L	
	Containment area is clean of debris and standing water. Check water for oil sheen before	V	V	V	1	V	V	V	V	V	V	V	~	V						-					
	discharging. Discharge <u>Clean</u> water only!	V	1	V	V	V	V	V	~	V	V	V	V	V										-	
	Oil/water separator systems are working property	V	1	V	1	1	V	1	V	V	V	V	V	V							ļ				
Security & Response	ATS controls & pumps locked when not in use.	V	1	1	V	V	V	1	1	V	V	V	V	/											
Response	Lighting, fence or gates intact.	1	V	1	V	1	V	1	V	V	V	V	/	1					-				-	-	
	Emergency shut off accessible & working with proper signage. Spill kit and Fire Extinguishers	V	V	1/	V	V	V	~	V	V	V	VI	V	V									-	-	
	available and up to date.	V.	V	1	V	V	V	V	V	1	V	V	V	V					-						
Drums & Containers	Inspect for leaks, damage and proper labeling Secondary containment is in good	V	~	V	V	V	/	V	V	V	V	V	V	V					-			-			
	order, clean of debris and excess water.	V	V	V	V	V			V	V		~	-	V											
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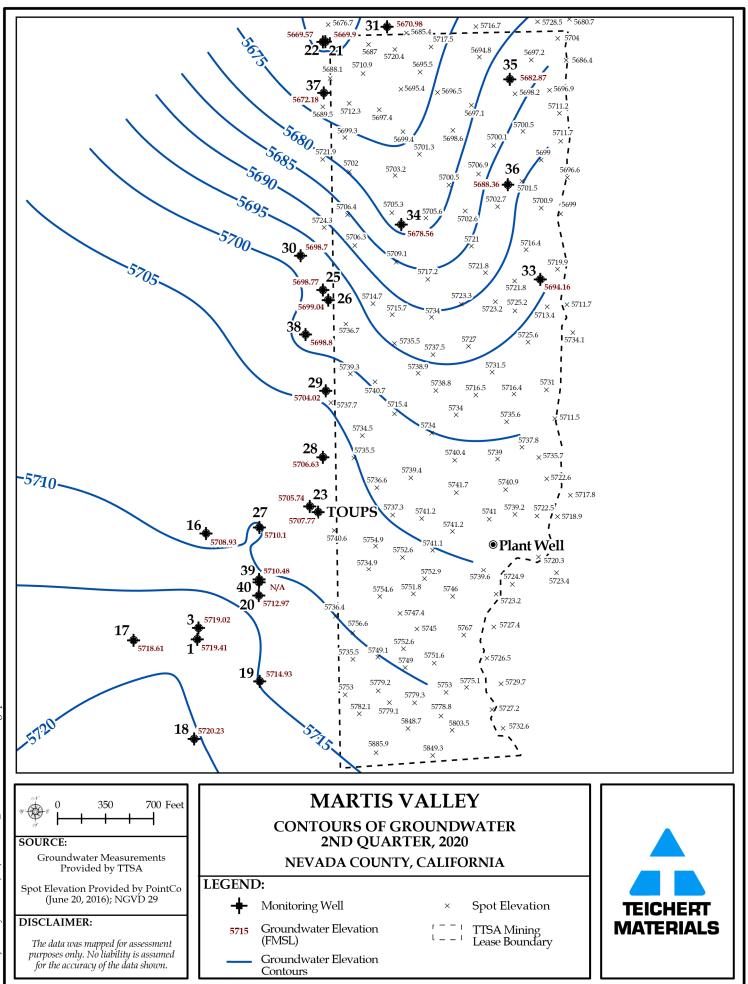
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Ail items inspect	Tak Contracts	New antifraction	Used oil .	Used anii.	Gasoline .	Lube tank 762	mpartme	Asphalt tank 1	Asphall tank 2				Propane tank .	Propane tank 2	./	/									
	Tank Size in Gallons	250	500	250	500	2250	15000 Fuel IL	20000 Hot plt	20000 Hot plt	20000 Hot plt	6000	6000	20000					-			-				
	Location	shop	shop	shop	Fuel IL	Fuel IL	FUEL	not pit	Hot pit	Hotpic	Hotph	No.		A A A A	al die		ALC: S	F.trai	(AN)	Spirit 3		i Reta	and the	2.14	资源
	Inspect tanks and piping for leaks	1	1/	1	V	V	V	V	V	V	1	1	V	V	-				T						
AST	and/or damage Surface condition good-no rusting		1	-		v	V				v			-				-	+		-	-	1		
	or pitting. Bolts, rivels, or seams are not damaged. Foundation intact and good condition.	V	V	1	V	V	V	V	V	V	V	V	V	~											
	Vents are not obstructed. Valves, flanges, and gaskets are free from leaks.	1	1	V	V	V	1	1	V	V	V	V	V	V											
	Level gauges and alarms working properly.	./	V		V	V	V	V	V	V	V	1	V	V											
	Containment walls are intact- inspect interstitial area of double walled tanks	V	V	1	V	V	V	V	V	V	V	V	V	V											
	Properly Labeled with Contents and proper warning labels.	1	V	1	V	V	1	V	V	V	V	V	/	V											
Load/Unload Area	Inspect loading arm, hoses, couplers and piping for leaks and/or damage.	V	1	V	V	V	1	i	V	V	V	V	V	V											
A168	Drip pans are not overflowing. Catch basins are free of contamination.	V	V	V	V	V	V	V	V	V	V	V	1	i											
	Warning signs are posted.	~	V	~	~	~	/	V	1	V	V	~	V	~											
Secondary Containment		V	1	V	V	V	1	V	V	~	V	V	V	V					_						
	Containment area drainage valves are closed, locked or capped	V	11	V	V	V	V	V	V	V	V	V	V	14											
	Containment area is clean of debris and standing water.	V	V	TV	1	10	V	V	V	V	V	V	~	V											
	Check water for oil sheen before discharging. Discharge <u>Clean</u> water only!	V	V	V	\checkmark	1	V	~	~	V	V	1	V	1											
	Oil/water separator systems are working property	1/	V	V	V	1	V	1	V	V	V	V	V	1											
	ATS controls & pumps locked	1/	17	./	1/		V	V	V	V	V	V	V	1				1							
Response	when not in use. Lighting, fence or gates intact.	1	V	1	1	1	1	1	10	V	V	~	1	1											
	Emergency shut off accessible & working with proper signage.	V	1	1	V	1	V	1	V	N	V	VI	V	V											
	Spill kit and Fire Extinguishers available and up to date.	V	V	1	V	V	V	V	V	1	V	V	1	11											
Drums &	Inspect for leaks, damage and proper labeling	V	1	V	V	V	/	V	V	V	V	V	V	1											
	Secondary containment is in good order, clean of debris and excess water.	V	V	V	V	1	V	V	1	V	1	1	~	V											
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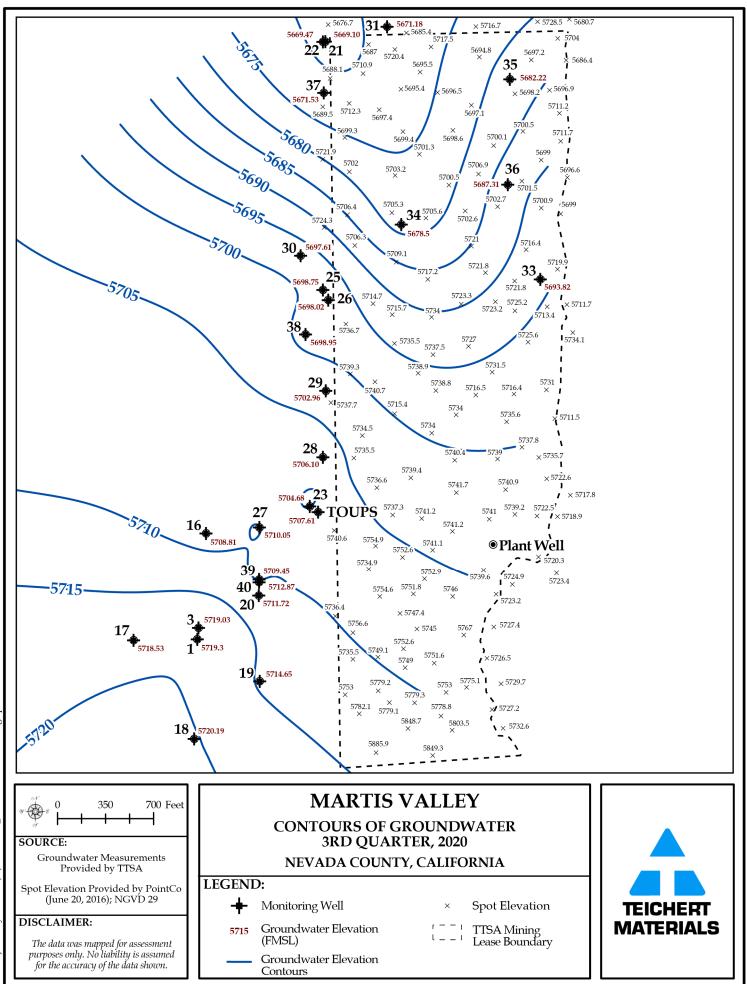
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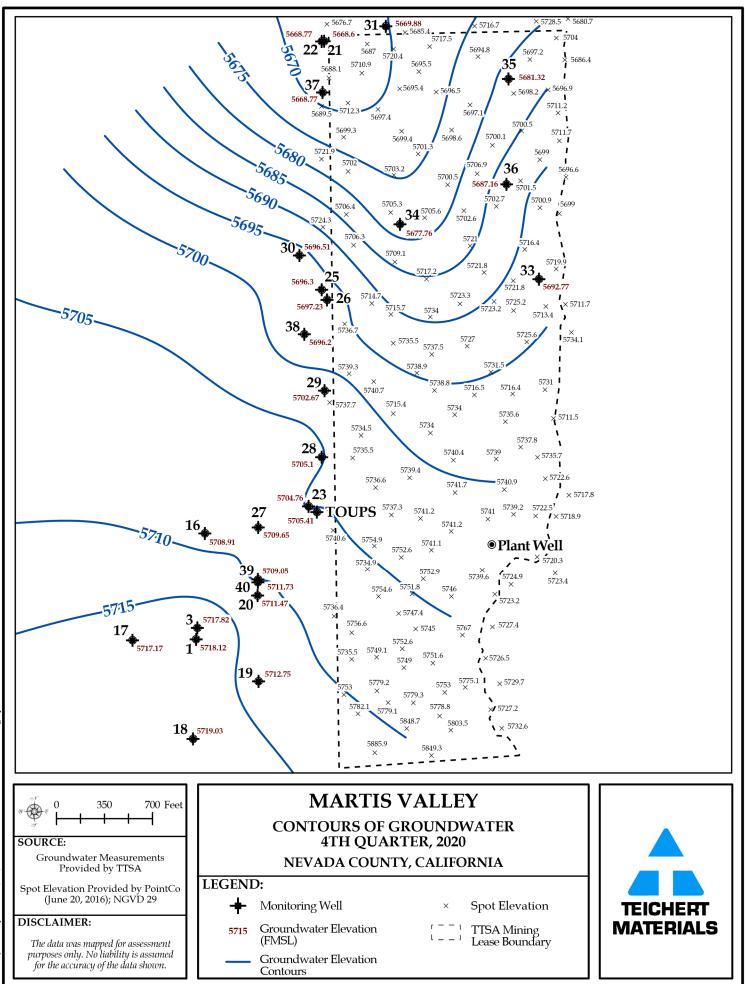
ATTACHMENT 2

ISOPACH MAPS GROUNDWATER ELEVATION SUMMARY TABLE









ATTACHMENT 3

ANALYTICAL REPORTS



CALIFORNIA LABORATORY SERVICES Committed. Responsive. Flexible.

December 30, 2020

CLS Work Order #: 20L1149 COC #:

Bill Christner **Teichert Aggregates** 3500 American River Dr Sacramento, CA 95851

Project Name: Martis 2020 Quarterly **Groundwater Sampling**

Enclosed are the results of analyses for samples received by the laboratory on 12/22/20 10:29. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,

James Liang, Ph.D. Laboratory Director

CA SWRCB ELAP Accreditation/Registration number 1233

Report	To: Teid	chert Aggregates attn.: B	ill Christner	Clic	nt Job N	umber		AN	ALY	(\$15	REQUESTED	0		CKE	D.		
		hristner@teichert.com		1	471-77	/50							FREE			10	
nvoice	To:	Same		Destir	nation La	boratory						GLOBA		ILOBAL ID			
500 Am	erican Rive	er Drive, Sacramento, CA 958	164	X CL	S (916) 638-7301											
roject Ma	anager :	Bill Christner 916-480-5523		32	49 Fitz	gerald Road		0									
Project Name Martis 2020 Quarterly Groundwater Sampling Sampled By Bill Christiner Job Description Martis Plant WDR Groundwater Samples Site Location Martis Plant			ancho C 5742	ordova, CA		(8015M)				FIE	1.D.C	OND	TIONS				
		www.californialab.com				801	8				COMPOSITE						
							grease (1664A)										
			Inca		3	motor oil	e (1	B		TURNAROUND SPECIAL							
					M	loto	eas	(8260B									
					PRESERVATIVES	A S S S I I I ME IN DAT							UCTIONS				
					CC	NTAINER	ESE	PHdL	0	PHg.							
DATE	IBME	SAMPLE IDENTIFICATION	FIF1.D ID.	MATRIX	NO.	TYPE	A PR	TP	TPH oil	TP		1	2	5	10		
1/21/20	0950	MW-33		H ₂ O	1 1 3	250 AG H. AG 50ml VOA	1 1	x	x	x				x			
1	1140	MW-40		H-O	1 1 3	250 AG 11 AG 50ml VOA	3 3 1	x	x	x				x			
L	1045	Plant Well		H ₂ O	1 1 3	250 AG 11. AG 50ml VOA	331	x	x	x				x			
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USPECT	ED CONSTI	TUENTS				1	1	SA	MP1.	I E REI	ENTION TIME	PR	ESER	VATI	VES (I) HCL) HNO ₇	(3) = COLD (4) = Na2S0
ELINOU	ISHED BY (S	agmpture) PRINT NAMI	COMPANY		DATE/IT	ME	-		R	ECEP	VED BY (Signature)						COMPANY
	Ruit	Bill t hristner/Teix	hert Aggregates	12/22/20	20/	1029											
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Teichert Aggregates	Project:	Martis 2020 Quarterly Groundwater San	npling
3500 American River Dr	Project Number:	1471-7750	CLS Work Order #: 20L1149
Sacramento, CA 95851	Project Manager:	Bill Christner	COC #:

Conventional Chemistry Parameters by APHA/EPA Methods

12/30/20 11:19

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes			
MW-33 (20L1149-01) Water Sampled: 12/21/20 09:50 Received: 12/22/20 10:29												
Hexane Extractable Material (HEM, Oil & Grease)	ND	5.0	mg/L	1	2010539	12/28/20	12/29/20	EPA 1664B				
MW-40 (20L1149-02) Water Sampled: 12/21/2	20 11:40 Receive	ed: 12/22/20 1	0:29									
Hexane Extractable Material (HEM, Oil & Grease)	ND	5.0	mg/L	1	2010539	12/28/20	12/29/20	EPA 1664B				
Plant Well (20L1149-03) Water Sampled: 12/21/20 10:45 Received: 12/22/20 10:29												
Hexane Extractable Material (HEM, Oil & Grease)	ND	5.0	mg/L	1	2010539	12/28/20	12/29/20	EPA 1664B				



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Teichert Aggregates	Project:	Martis 2020 Quarterly Groundwater Sam	pling
3500 American River Dr	Project Number:	1471-7750	CLS Work Order #: 20L1149
Sacramento, CA 95851	Project Manager:	Bill Christner	COC #:

Extractable Petroleum Hydrocarbons by EPA Method 8015M

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-33 (20L1149-01) Water Sampled: 12/	/21/20 09:50 Receive	ed: 12/22/20	10:29						
Diesel	ND	0.050	mg/L	1	2010458	12/23/20	12/23/20	EPA 8015M	
Motor Oil	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		97 %	65	-135	"	"	"	"	
MW-40 (20L1149-02) Water Sampled: 12/	/21/20 11:40 Receive	d: 12/22/20 1	0:29						
Diesel	ND	0.050	mg/L	1	2010458	12/23/20	12/23/20	EPA 8015M	
Motor Oil	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		66 %	65	-135	"	"	"	"	
Plant Well (20L1149-03) Water Sampled:	12/21/20 10:45 Rece	eived: 12/22/2	20 10:29						
Diesel	ND	0.050	mg/L	1	2010458	12/23/20	12/23/20	EPA 8015M	
Motor Oil	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		125 %	65	-135	"	"	"	"	



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Teichert Aggregates	Project:	Martis 2020 Quarterly Groundwater Samp	pling
3500 American River Dr	Project Number:	1471-7750	CLS Work Order #: 20L1149
Sacramento, CA 95851	Project Manager:	Bill Christner	COC #:

TPH-Gasoline by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes			
MW-33 (20L1149-01) Water Sampled: 12/21/20 09:50 Received: 12/22/20 10:29												
Gasoline	ND	50	$\mu g/L$	1	2010451	12/22/20	12/23/20	EPA 8260M				
Surrogate: Toluene-d8		96 %	65	135	"	"	"	"				
MW-40 (20L1149-02) Water Sampled: 12/2	21/20 11:40 Receiv	ed: 12/22/20	10:29									
Gasoline	ND	50	μg/L	1	2010451	12/22/20	12/23/20	EPA 8260M				
Surrogate: Toluene-d8		95 %	65-	135	"	"	"	"				
Plant Well (20L1149-03) Water Sampled: 1	2/21/20 10:45 Rec	eived: 12/22/2	20 10:29									
Gasoline	ND	50	$\mu g/L$	1	2010451	12/22/20	12/23/20	EPA 8260M				
Surrogate: Toluene-d8		94 %	65	135	"	"	"	"				



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Teichert Aggregates	Project:	Martis 2020 Quarterly Groundwater Sar	npling
3500 American River Dr	Project Number:	1471-7750	CLS Work Order #: 20L1149
Sacramento, CA 95851	Project Manager:	Bill Christner	COC #:

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Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

		Reporting		Spike	Source		%REC		RPD			
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes		
Batch 2010539 - Solvent Extract												
Blank (2010539-BLK1)				Prepared: 1	12/28/20 A	nalyzed: 12	/29/20					
Hexane Extractable Material (HEM, Oil & Grease)	ND	5.0	mg/L									
LCS (2010539-BS1)				Prepared: 12/28/20 Analyzed: 12/29/20								
Hexane Extractable Material (HEM, Oil & Grease)	36.6	5.0	mg/L	40.0		92	78-114					
LCS Dup (2010539-BSD1)					Prepared: 12/28/20 Analyzed: 12/29/20							
Hexane Extractable Material (HEM, Oil & Grease)	36.1	5.0	mg/L	40.0		90	78-114	1	18			



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Teichert Aggregates	Project:	Martis 2020 Quarterly Groundwater Sar	npling
3500 American River Dr	Project Number:	1471-7750	CLS Work Order #: 20L1149
Sacramento, CA 95851	Project Manager:	Bill Christner	COC #:

12/30/20 11:19

Extractable Petroleum Hydrocarbons by EPA Method 8015M - Quality Control

		Reporting		Spike	Source		%REC		RPD			
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes		
Batch 2010458 - EPA 3510B GCNV												
Blank (2010458-BLK1)	Prepared & Analyzed: 12/23/20											
Diesel	ND	0.050	mg/L									
Motor Oil	ND	0.050										
Surrogate: o-Terphenyl	0.0203		"	0.0250		81	65-135					
LCS (2010458-BS1)	Prepared & Analyzed: 12/23/20											
Diesel	1.91	0.050	mg/L	2.50		76	65-135					
Surrogate: o-Terphenyl	0.0181		"	0.0250		72	65-135					
LCS Dup (2010458-BSD1)				Prepared &	Analyzed	: 12/23/20						
Diesel	2.14	0.050	mg/L	2.50		86	65-135	11	30			
Surrogate: o-Terphenyl	0.0238		"	0.0250		95	65-135					
Matrix Spike (2010458-MS1)	Sou	rce: 20L1158-	01	Prepared &	Analyzed	: 12/23/20						
Diesel	2.14	0.050	mg/L	2.50	ND	85	46-137					
Surrogate: o-Terphenyl	0.0169		"	0.0250		68	65-135					
Matrix Spike Dup (2010458-MSD1)	Sou	rce: 20L1158-	01	Prepared & Analyzed: 12/23/20								
Diesel	1.63	0.050	mg/L	2.50	ND	65	46-137	27	30			
Surrogate: o-Terphenyl	0.0149		"	0.0250		59	65-135			Ç		



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Teichert Aggregates	Project:	Martis 2020 Quarterly Groundwater Sampling				
3500 American River Dr	Project Number:	1471-7750	CLS Work Order #: 20L1149			
Sacramento, CA 95851	Project Manager:	Bill Christner	COC #:			

TPH-Gasoline by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2010451 - EPA 5030 Water MS										
Blank (2010451-BLK1)				Prepared &	Analyzed:	12/22/20				
Gasoline	ND	50	μg/L							
Surrogate: Toluene-d8	9.41		"	10.0		94	65-135			
LCS (2010451-BS1)	Prepared & Analyzed: 12/22/20									
Gasoline	548	50	μg/L	500		110	70-130			
Surrogate: Toluene-d8	10.0		"	10.0		100	65-135			
LCS Dup (2010451-BSD1)				Prepared &	Analyzed:	12/22/20				
Gasoline	505	50	μg/L	500		101	70-130	8	30	
Surrogate: Toluene-d8	9.88		"	10.0		99	65-135			



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Teichert Aggregates		Project:	Martis 2020 Quarterly Groundwater Sampling						
3500 Ar	nerican River Dr	Project Number:	1471-7750	CLS Work Order #: 20L1149					
Sacrame	ento, CA 95851	Project Manager:	Bill Christner	COC #:					
	Notes and Definitions								
QS-4	The surrogate recovery for this sample is outside	of established contr	ol limits due to a sample ma	trix effect.					
DET	Analyte DETECTED								
ND	Analyte NOT DETECTED at or above the reporting limit (or method detection limit when specified)								
NR	Not Reported								
dry	Sample results reported on a dry weight basis								

RPD Relative Percent Difference



October 08, 2020

CLS Work Order #: 20J0001 COC #:

Bill Christner Teichert Aggregates 3500 American River Dr Sacramento, CA 95851

Project Name: Martis 3Q19 GW

Enclosed are the results of analyses for samples received by the laboratory on 10/01/20 09:30. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,

James Liang, Ph.D. Laboratory Director

CA SWRCB ELAP Accreditation/Registration number 1233

CALIFORNIA LABORATORY SERVICES CHAIN OF CUSTODY CLS ID. NO. 20 J 2001

(_1_of_1_)

Report	To: Teid	chert Aggregates attn.: Bill	Christner	Client	I Job Numb	er		AN	AL.Y	SIS	REQ	UESTEI	D	. cre	OTR	ACKI	R		
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Invoice	To:	Same		Destinat	tion Labora	dory								GL	OBA	U.ID.			
3500 An	ierican Rive	er Drive, Sacramento, CA 95864		10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(916) 63														
Project M	anager :	Bill Christner 916-480-5523				tzgerald Road Cordova, CA rnialab.com		S						L					
Project Na Martis 3Q1				0574	2			(8015M)						FILLDCO		OND	NDITIONS.		
Sampled E	Sampled By: Bill Christner]	inor marai	J.Com		8	(4A)					2012/07/2012 07:51					
Job Description Martis Plant WDR samples Site Location Truckee			□ OTHER			5	or oil	se (1664A)	(80)	0B)			COMPOSITE						
							PRESERVATIVES	TPHd & motor oil	& grease (< (8260B				TURNA TIME I				SPECIAL INSTRUCTIONS	
			CIEL D		CON	TAINER	SER	무	10	TEX	Ę				1	1			
DATE	TIME	SAMPLE IDENTIFICATION	FIELD ID.	MATRIX	NO.	TYPE	PRE	TP	HdT	8	TP			1	2	5	10		
9/30/	0920	MW-33		Water	1	250 AG 11.AG 50mIVOA	3	x	x	x	x						x		
	1210	MW-40		Water	1 1 3	250 AG 1LAG 50mIVOA	3	х	x	x	x						x		
	1030	Plant Well		Water	1 1 3	250 AG 11.AG 50mIVOA	3 3	x	x	x	x			inthe second	和信	転	x		
					-								1	2					
					-		-				-		-	-	-	-			
SUSPEC	TED CONST	ITLENTS					+	SA	MPL	ERE	TENTI	ON TIME	<u> </u>	PR	ESEF	L. WAT	IVES (1) HC1 (3) = COLD 2) HNO; (4) = Na2SO3	
100.0		and the second	PRINT NAV	IE/COMPANY		DATE/TIME	\vdash		R	ECEI	VED B	Y (Signatu	ne)	-		T		NT NAME/COMPANY	
Bu	ISHED BY (0.00	The second states were	eichert Aggregat	-	Construction of the second second	73	0		000-005			111-01						
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-	PED BY:		s 🗆	OTHER							AIR	BILL #	0	/	48				



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Teichert Aggregates	Project:	Martis 3Q19 GW	
3500 American River Dr	Project Number:	1471-7750	CLS Work Order #: 20J0001
Sacramento, CA 95851	Project Manager:	Bill Christner	COC #:

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-33 (20J0001-01) Water Sampled: 09/30/2	20 09:20 Receive	ed: 10/01/20 0	9:30						
Hexane Extractable Material (HEM, Oil & Grease)	ND	5.0	mg/L	1	2008019	10/02/20	10/05/20	EPA 1664B	
MW-40 (20J0001-02) Water Sampled: 09/30/2	20 12:10 Receive	ed: 10/01/20 0	9:30						
Hexane Extractable Material (HEM, Oil & Grease)	ND	5.0	mg/L	1	2008019	10/02/20	10/05/20	EPA 1664B	
Plant Well (20J0001-03) Water Sampled: 09/3	30/20 10:30 Rece	eived: 10/01/2	0 09:30						
Hexane Extractable Material (HEM, Oil & Grease)	ND	5.0	mg/L	1	2008019	10/02/20	10/05/20	EPA 1664B	



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Teichert Aggregates	Project:	Martis 3Q19 GW	
3500 American River Dr	Project Number:	1471-7750	CLS Work Order #: 20J0001
Sacramento, CA 95851	Project Manager:	Bill Christner	COC #:

Extractable Petroleum Hydrocarbons by EPA Method 8015M

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-33 (20J0001-01) Water Sa	ampled: 09/30/20 09:20 Receiv	ed: 10/01/20 ()9:30						
Diesel	ND	0.050	mg/L	1	2008183	10/07/20	10/07/20	EPA 8015M	
Motor Oil	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		107 %	65	-135	"	"	"	"	
MW-40 (20J0001-02) Water Sa	ampled: 09/30/20 12:10 Receiv	ed: 10/01/20 0	9:30						
Diesel	ND	0.050	mg/L	1	2008183	10/07/20	10/07/20	EPA 8015M	
Motor Oil	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		127 %	65	-135	"	"	"	"	
Plant Well (20J0001-03) Water	Sampled: 09/30/20 10:30 Rec	eived: 10/01/2	20 09:30						
Diesel	ND	0.050	mg/L	1	2008183	10/07/20	10/07/20	EPA 8015M	
Motor Oil	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		102 %	65	-135	"	"	"	"	



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Teichert Aggregates 3500 American River Dr Sacramento, CA 95851	Project: Project Number: Project Manager:	CLS Work Order #: 20J0001 COC #:

TPH-Gasoline by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-33 (20J0001-01) Water Sampled: 09	/30/20 09:20 Receiv	ed: 10/01/20 ()9:30						
Gasoline	ND	50	μg/L	1	2007998	10/01/20	10/01/20	EPA 8260M	
Surrogate: Toluene-d8		100 %	65-	135	"	"	"	"	
MW-40 (20J0001-02) Water Sampled: 09	/30/20 12:10 Receiv	ed: 10/01/20 (9:30						
Gasoline	ND	50	$\mu g/L$	1	2007998	10/01/20	10/01/20	EPA 8260M	
Surrogate: Toluene-d8		94 %	65-	135	"	"	"	"	
Plant Well (20J0001-03) Water Sampled:	09/30/20 10:30 Rec	eived: 10/01/2	20 09:30						
Gasoline	ND	50	μg/L	1	2007998	10/01/20	10/01/20	EPA 8260M	
Surrogate: Toluene-d8		82 %	65-	135	"	"	"	"	



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Teichert Aggregates	Project:	Martis 3Q19 GW	
3500 American River Dr	Project Number:	1471-7750	CLS Work Order #: 20J0001
Sacramento, CA 95851	Project Manager:	Bill Christner	COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-33 (20J0001-01) Water Sampled: 0	9/30/20 09:20 Receive	ed: 10/01/20 ()9:30						
Benzene	ND	0.50	μg/L	1	2007998	10/01/20	10/01/20	EPA 8260B	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		100 %	72	-125	"	"	"	"	
MW-40 (20J0001-02) Water Sampled: 0	9/30/20 12:10 Receive	ed: 10/01/20 (9:30						
Benzene	ND	0.50	μg/L	1	2007998	10/01/20	10/01/20	EPA 8260B	
Ethylbenzene	ND	0.50		"	"	"	"		
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		94 %	72	-125	"	"	"	"	
Plant Well (20J0001-03) Water Sampled	l: 09/30/20 10:30 Rece	eived: 10/01/2	20 09:30						
Benzene	ND	0.50	μg/L	1	2007998	10/01/20	10/01/20	EPA 8260B	
Ethylbenzene	ND	0.50		"	"		"	"	
Toluene	ND	0.50	"	"	"		"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		82 %	72	-125	"	"	"	"	



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Teichert Aggregates	Project:	Martis 3Q19 GW	
3500 American River Dr	Project Number:	1471-7750	CLS Work Order #: 20J0001
Sacramento, CA 95851	Project Manager:	Bill Christner	COC #:

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Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2008019 - Solvent Extract										
Blank (2008019-BLK1)				Prepared: 1	0/02/20 At	nalyzed: 10	/05/20			
Hexane Extractable Material (HEM, Oil & Grease)	ND	5.0	mg/L							
LCS (2008019-BS1)				Prepared: 1	0/02/20 A	nalyzed: 10	/05/20			
Hexane Extractable Material (HEM, Oil & Grease)	38.2	5.0	mg/L	40.0		96	78-114			
LCS Dup (2008019-BSD1)				Prepared: 1	0/02/20 A	nalyzed: 10	/05/20			
Hexane Extractable Material (HEM, Oil & Grease)	37.7	5.0	mg/L	40.0		94	78-114	1	18	



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Teichert Aggregates	Project:	Martis 3Q19 GW	
3500 American River Dr	Project Number:	1471-7750	CLS Work Order #: 20J0001
Sacramento, CA 95851	Project Manager:	Bill Christner	COC #:

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Extractable Petroleum Hydrocarbons by EPA Method 8015M - Quality Control

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2008183 - EPA 3510B GCNV										
Blank (2008183-BLK1)				Prepared &	Analyzed:	: 10/07/20				
Diesel	ND	0.050	mg/L							
Motor Oil	ND	0.050	"							
Surrogate: o-Terphenyl	0.0288		"	0.0250		115	65-135			
LCS (2008183-BS1)				Prepared &	Analyzed:	: 10/07/20				
Diesel	2.03	0.050	mg/L	2.50		81	65-135			
Surrogate: o-Terphenyl	0.0246		"	0.0250		98	65-135			
LCS Dup (2008183-BSD1)				Prepared &	Analyzed:	: 10/07/20				
Diesel	2.21	0.050	mg/L	2.50		88	65-135	9	30	
Surrogate: o-Terphenyl	0.0285		"	0.0250		114	65-135			
Matrix Spike (2008183-MS1)	Sou	rce: 20J0312-(01	Prepared &	Analyzed:	: 10/07/20				
Diesel	1.66	0.050	mg/L	2.50	ND	66	46-137			
Surrogate: o-Terphenyl	0.0153		"	0.0250		61	65-135			QS-4
Matrix Spike Dup (2008183-MSD1)	Sou	rce: 20J0312-(01	Prepared &	Analyzed:	: 10/07/20				
Diesel	1.99	0.050	mg/L	2.50	ND	80	46-137	18	30	
Surrogate: o-Terphenyl	0.0192		"	0.0250		77	65-135			



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Teichert Aggregates	Project:	Martis 3Q19 GW	
3500 American River Dr	Project Number:		CLS Work Order #: 20J0001
Sacramento, CA 95851	Project Manager:		COC #:

TPH-Gasoline by GC/MS - Quality Control

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2007998 - EPA 5030 Water MS										
Blank (2007998-BLK1)				Prepared &	Analyzed:	10/01/20				
Gasoline	ND	50	μg/L							
Surrogate: Toluene-d8	10.0		"	10.0		100	65-135			
LCS (2007998-BS1)				Prepared &	Analyzed:	10/01/20				
Gasoline	493	50	μg/L	500		99	70-130			
Surrogate: Toluene-d8	9.40		"	10.0		94	65-135			
LCS Dup (2007998-BSD1)				Prepared &	Analyzed:	10/01/20				
Gasoline	540	50	μg/L	500		108	70-130	9	30	
Surrogate: Toluene-d8	9.69		"	10.0		97	65-135			

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Teichert Aggregates	Project:	Martis 3Q19 GW	
3500 American River Dr	Project Number:	1471-7750	CLS Work Order #: 20J0001
Sacramento, CA 95851	Project Manager:	Bill Christner	COC #:

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2007998 - EPA 5030 Water MS										
Blank (2007998-BLK1)				Prepared &	Analyzed:	10/01/20				
Di-isopropyl ether	ND	0.50	μg/L							
Ethyl tert-butyl ether	ND	0.50								
Methyl tert-butyl ether	ND	0.50								
tert-Amyl methyl ether	ND	0.50								
tert-Butyl alcohol	ND	5.0	"							
Surrogate: Toluene-d8	10.0		"	10.0		100	72-125			
LCS (2007998-BS1)				Prepared &	Analyzed:	10/01/20				
Methyl tert-butyl ether	20.0	0.50	μg/L	20.0		100	52-130			
Surrogate: Toluene-d8	9.40		"	10.0		94	72-125			
LCS Dup (2007998-BSD1)				Prepared &	Analyzed:	10/01/20				
Methyl tert-butyl ether	16.7	0.50	μg/L	20.0		84	52-130	18	30	
Surrogate: Toluene-d8	9.69		"	10.0		97	72-125			



10/08/20 16:24

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3500 Am	Teichert Aggregates 3500 American River Dr Sacramento, CA 95851		Martis 3Q19 GW 1471-7750 Bill Christner	CLS Work Order #: 20J0001 COC #:			
		Notes and l	Definitions				
QS-4	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.						
DET	Analyte DETECTED						
ND	Analyte NOT DETECTED at or above the reporting limit (or method detection limit when specified)						
NR	Not Reported						
dry	Sample results reported on a dry weight basis						

RPD Relative Percent Difference



July 08, 2020

CLS Work Order #: 20F1460 COC #:

Bill Christner Teichert Aggregates 3500 American River Dr Sacramento, CA 95851

Project Name: Martis Plant Quarterly GW Monitoring

Enclosed are the results of analyses for samples received by the laboratory on 06/30/20 11:00. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,

James Liang, Ph.D. Laboratory Director

CA SWRCB ELAP Accreditation/Registration number 1233

CALIFORNIA LABORATORY SERVICES CHAIN OF CUSTODY CLS ID. NO. 20F1460 (1.01)

Report	To: Tei	chert Aggregates attn : Bi	ll Christner	Clien	t Joh Numb	er		AN	ALY	SIS	REQ	UESTED	2.5	OTE	CKE	R	
	web	ristner@teichert.com													PORT		NO
Invoice	To: wch	ristner@teichert.com		Destina	tion Labora	dory							GL	GLOBAL ID			
3500 An	erican Rive	er Drive, Sacramento, CA 958	54		the second se												
Project	Manager :	Bill Christner 916-480-5523		3249 Fitzgerald Road Rancho Cordova, CA 95742 www.californialah.com				9									
Project 1	Name:	rly GW Monitoring						(8015M)				FIE	FIELD CONDITIONS			8	
or the second difference of the second se	By: Bill C	Christner						(8)	4A)								
Job Dese Martis Pl		Ground Water Samples					5	5	e (1664A)	(B)	0B)		COMPOSITE:			8	
Site Loc	ation Tru	ckee					PRESERVATIVE	& motor oil	& grease	K (8260B	(8260B)		110 003	TURNAROUND SPECIAL TIME IN DAYS INSTRUCTIONS			
7252500000	Languages 1	SAMPLE	FIELD		CON	LAINER	SEF	무	10	BTEX	Hg		1			1025	
DATE	TIME	IDENTIFICATION	ID.	MATRIX	NO.	TYPE	PRE	TPHd	HdT	B	TPHg		1	2	5	10	
elraj	0950	MW-33		Water	1 1 3	250 AG 11. AG 50mIVO A	3 3 1	x	x	x	x				x		
	1215	MW-40		Water	1 1 3	250 AG 11. AG 50mIVOA	3 3 1	x	x	x	x				x		
Ţ	1100	Plant Well		Water	1 1 3	250 AG 11, AG 50mIVOA	3 3 1	x ·	x	x	x				x		
										1				-			
			1														
SUSPECT	EDCONSTI	TUENTS	-		L			SA	IPL.	REI	ENTIC	ON TIME	PR	ESER	VAΠ		1) HCL (3) - COLD (2) HNO ₃ (4) - Na2SO3
RELINQU	SHED BY (S	ignature) PRINT NAMI	E COMPANY		DATETIM	IE.			R	ECEP	VED B	Y (Signature)			100		NT NAME COMPANY
Berl	Rait	Bill Christner/Te	ichert Aggres	gates 6/372	20/11	00	_	-						/	~		-
RECEIV	ED AT LAB	BY:		DATE/TIME:			CO	NDIT	ION	s/CO	MME	STS:	1	-	11	119	6
	ED BY:		ps 🗆	OTHER			1						1			1	



07/08/20 11:17

Page 2 of 10

Teichert Aggregates	Project:	Martis Plant Quarterly GW Monitoring	
3500 American River Dr	Project Number:	[none]	CLS Work Order #: 20F1460
Sacramento, CA 95851	Project Manager:	Bill Christner	COC #:

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-33 (20F1460-01) Water Sampled: 06/29	20 09:50 Receive	ed: 06/30/20 1	1:00						
Hexane Extractable Material (HEM, Oil & Grease)	ND	5.0	mg/L	1	2005130	07/01/20	07/06/20	EPA 1664B	
MW-40 (20F1460-02) Water Sampled: 06/29	20 12:15 Receive	ed: 06/30/20 1	1:00						
Hexane Extractable Material (HEM, Oil & Grease)	ND	5.0	mg/L	1	2005130	07/01/20	07/06/20	EPA 1664B	
Plant Well (20F1460-03) Water Sampled: 06/	29/20 11:00 Rece	eived: 06/30/2	0 11:00						
Hexane Extractable Material (HEM, Oil & Grease)	ND	5.0	mg/L	1	2005130	07/01/20	07/06/20	EPA 1664B	



07/08/20 11:17

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Teichert Aggregates	Project:	Martis Plant Quarterly GW Monitoring	
3500 American River Dr	Project Number:	[none]	CLS Work Order #: 20F1460
Sacramento, CA 95851	Project Manager:	Bill Christner	COC #:

Extractable Petroleum Hydrocarbons by EPA Method 8015M

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-33 (20F1460-01) Water Sampled: 06/	29/20 09:50 Receive	ed: 06/30/20 1	11:00						
Diesel	ND	0.050	mg/L	1	2005142	07/01/20	07/01/20	EPA 8015M	
Motor Oil	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		114 %	65	-135	"	"	"	"	
MW-40 (20F1460-02) Water Sampled: 06/2	29/20 12:15 Receive	ed: 06/30/20	11:00						
Diesel	ND	0.050	mg/L	1	2005142	07/01/20	07/01/20	EPA 8015M	
Motor Oil	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		87 %	65	-135	"	"	"	"	
Plant Well (20F1460-03) Water Sampled:)6/29/20 11:00 Rece	eived: 06/30/2	20 11:00						
Diesel	ND	0.050	mg/L	1	2005142	07/01/20	07/01/20	EPA 8015M	
Motor Oil	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		121 %	65	-135	"	"	"	"	



07/08/20 11:17

Page 4 of 10

Teichert Aggregates	Project:	Martis Plant Quarterly GW Monitoring	
3500 American River Dr	Project Number:	[none]	CLS Work Order #: 20F1460
Sacramento, CA 95851	Project Manager:	Bill Christner	COC #:

TPH-Gasoline by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-33 (20F1460-01) Water Sampled: 06/2	9/20 09:50 Receive	1: 06/30/20 1	1:00						
Gasoline	ND	50	μg/L	1	2005199	07/02/20	07/02/20	EPA 8260M	
Surrogate: Toluene-d8		86 %		-135	"	"	"	"	
MW-40 (20F1460-02) Water Sampled: 06/2	9/20 12:15 Receive	1: 06/30/20 1	1:00						
Gasoline	ND	50	$\mu g/L$	1	2005199	07/02/20	07/02/20	EPA 8260M	
	ND	50 85 %		-135	2005199	07/02/20	07/02/20	EPA 8260M "	
Gasoline Surrogate: Toluene-d8 Plant Well (20F1460-03) Water Sampled: 0	ND 6/29/20 11:00 Recei	85 %	65	1 -135					

84 % 65-135 Surrogate: Toluene-d8



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Teichert Aggregates Proje	ect: Martis Plant Quarterly GW Monitori	ng
3500 American River Dr Proje	ect Number: [none]	CLS Work Order #: 20F1460
Sacramento, CA 95851 Proje	ect Manager: Bill Christner	COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-33 (20F1460-01) Water Sampled: 00	5/29/20 09:50 Receive	ed: 06/30/20 1	11:00						
Benzene	ND	0.50	μg/L	1	2005199	07/02/20	07/02/20	EPA 8260B	
Ethylbenzene	ND	0.50	"	"	"	"	"		
Toluene	ND	0.50	"	"	"	"	"		
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		86 %	72	2-125	"	"	"	"	
MW-40 (20F1460-02) Water Sampled: 00	5/29/20 12:15 Receive	ed: 06/30/20 1	11:00						
Benzene	ND	0.50	μg/L	1	2005199	07/02/20	07/02/20	EPA 8260B	
Ethylbenzene	ND	0.50	"	"	"	"	"		
Toluene	ND	0.50		"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		85 %	72	2-125	"	"	"	"	
Plant Well (20F1460-03) Water Sampled	: 06/29/20 11:00 Reco	eived: 06/30/2	20 11:00						
Benzene	ND	0.50	μg/L	1	2005199	07/02/20	07/02/20	EPA 8260B	
Ethylbenzene	ND	0.50	"	"	"	"	"		
Toluene	ND	0.50	"	"	"	"	"		
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		84 %	72	2-125	"	"	"	"	



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Page 6 of 10	8		07/08/20 11:17
Teichert Aggregates	Project:	Martis Plant Quarterly GW Monitoring	
3500 American River Dr	Project Number:	[none]	CLS Work Order #: 20F1460
Sacramento, CA 95851	Project Manager:	Bill Christner	COC #:

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2005130 - Solvent Extract										
Blank (2005130-BLK1)				Prepared: 0	07/01/20 At	nalyzed: 07	/06/20			
Hexane Extractable Material (HEM, Oil & Grease)	ND	5.0	mg/L							
LCS (2005130-BS1)				Prepared: (07/01/20 At	nalyzed: 07	/06/20			
Hexane Extractable Material (HEM, Oil & Grease)	39.4	5.0	mg/L	40.0		99	78-114			
LCS Dup (2005130-BSD1)				Prepared: (07/01/20 At	nalyzed: 07	/06/20			
Hexane Extractable Material (HEM, Oil & Grease)	39.3	5.0	mg/L	40.0		98	78-114	0.3	18	



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Page 7 of 10	8		07/08/20 11:17
Teichert Aggregates	Project:	Martis Plant Quarterly GW Monitoring	
3500 American River Dr	Project Number:	[none]	CLS Work Order #: 20F1460
Sacramento, CA 95851	Project Manager:	Bill Christner	COC #:

Extractable Petroleum Hydrocarbons by EPA Method 8015M - Quality Control

		D					AUDEC		DDD	
A 1.	D k	Reporting	T T '4	Spike	Source	0/DEC	%REC	DDD	RPD	NT 4
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2005142 - EPA 3510B GCNV										
Blank (2005142-BLK1)				Prepared &	Analyzed:	07/01/20				
Diesel	ND	0.050	mg/L							
Motor Oil	ND	0.050	"							
Surrogate: o-Terphenyl	0.0276		"	0.0250		110	65-135			
LCS (2005142-BS1)				Prepared &	Analyzed:	07/01/20				
Diesel	1.93	0.050	mg/L	2.50		77	65-135			
Surrogate: o-Terphenyl	0.0330		"	0.0250		132	65-135			
LCS Dup (2005142-BSD1)				Prepared &	Analyzed:	07/01/20				
Diesel	1.86	0.050	mg/L	2.50		74	65-135	4	30	
Surrogate: o-Terphenyl	0.0290		"	0.0250		116	65-135			
Matrix Spike (2005142-MS1)	Sou	rce: 20F1469-	01	Prepared &	Analyzed	07/01/20				
Diesel	1.86	0.050	mg/L	2.50	ND	75	46-137			
Surrogate: o-Terphenyl	0.0213		"	0.0250		85	65-135			
Matrix Spike Dup (2005142-MSD1)	Sou	rce: 20F1469-	01	Prepared &	Analyzed:	07/01/20				
Diesel	2.08	0.050	mg/L	2.50	ND	83	46-137	11	30	
Surrogate: o-Terphenyl	0.0302		"	0.0250		121	65-135			



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Teichert Aggregates	Project:	Martis Plant Quarterly GW Monitoring	
3500 American River Dr	Project Number:	[none]	CLS Work Order #: 20F1460
Sacramento, CA 95851	Project Manager:	Bill Christner	COC #:

TPH-Gasoline by GC/MS - Quality Control

		Donostino		Smilto	Source		%REC		RPD	
Analyte	Result	Reporting Limit	Units	Spike Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2005199 - EPA 5030 Water MS										
Blank (2005199-BLK1)				Prepared &	Analyzed:	07/02/20				
Gasoline	ND	50	μg/L							
Surrogate: Toluene-d8	8.23		"	10.0		82	65-135			
LCS (2005199-BS1)				Prepared &	Analyzed:	07/02/20				
Gasoline	467	50	μg/L	500		93	70-130			
Surrogate: Toluene-d8	9.17		"	10.0		92	65-135			
LCS Dup (2005199-BSD1)				Prepared &	Analyzed:	07/02/20				
Gasoline	470	50	μg/L	500		94	70-130	0.8	30	
Surrogate: Toluene-d8	9.39		"	10.0		94	65-135			



Page 9 of 10	8		07/08/20 11:17
Teichert Aggregates 3500 American River Dr Sacramento, CA 95851	Project: Project Number: Project Manager:	Martis Plant Quarterly GW Monitoring [none] Bill Christner	CLS Work Order #: 20F1460 COC #:

Volatile Organic Compounds by EPA Method 8260B - Quality Control

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2005199 - EPA 5030 Water MS										
Blank (2005199-BLK1)				Prepared &	Analyzed:	07/02/20				
Di-isopropyl ether	ND	0.50	μg/L							
Ethyl tert-butyl ether	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
tert-Amyl methyl ether	ND	0.50	"							
tert-Butyl alcohol	ND	5.0	"							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	1.0	"							
Surrogate: Toluene-d8	8.23		"	10.0		82	72-125			
LCS (2005199-BS1)				Prepared &	Analyzed:	07/02/20				
Methyl tert-butyl ether	17.7	0.50	μg/L	20.0		89	52-130			
Benzene	16.5	0.50	"	20.0		82	52-130			
Surrogate: Toluene-d8	9.17		"	10.0		92	72-125			
LCS Dup (2005199-BSD1)				Prepared &	Analyzed:	07/02/20				
Methyl tert-butyl ether	18.4	0.50	μg/L	20.0		92	52-130	4	30	
Benzene	17.5	0.50	"	20.0		88	52-130	6	30	
Surrogate: Toluene-d8	9.39		"	10.0		94	72-125			



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Page 10 of 10	8			07/08/20 11:17					
Teichert Aggregates		Project:	Martis Plant Quarterly GW Monitoring						
3500 American River Dr		Project Number:	[none]	CLS Work Order #: 20F1460					
Sacramento, CA 95851		Project Manager:	Bill Christner	COC #:					
Notes and Definitions									

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit (or method detection limit when specified)

Not Reported NR

Sample results reported on a dry weight basis dry

RPD Relative Percent Difference



February 03, 2020

CLS Work Order #: 20A1375 COC #:

Bill Christner Teichert Aggregates P.O. Box 15002, 3500 American River Dr. Sacramento, CA 95851

Project Name: Martis 4Q19 Groundwater Monitoring

Enclosed are the results of analyses for samples received by the laboratory on 01/27/20 15:41. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,

James Liang, Ph.D. Laboratory Director

CA SWRCB ELAP Accreditation/Registration number 1233

CALIFORNIA LABORATORY SERVICES CHAIN OF CUSTODY

CLS ID. NO. 2.94 1375

(_1_of_1_)

Report	To: Te	ichert Aggregates attn.: Bi	ll Christner	Clien	t Job Nun	nber		AN	ALY	/SIS	REQ	UESTED		OTO	ACIVIT			
	wo	christner@teichert.com		14	71-775	0							GEOTRACKER EDF REPORT NO					
Invoice	e To:	Bill Christner	0	Destina	tion Labo	ratory		t i					GL	.OBA	l ID.			
3500 An	nerican Riv	ver Drive, Sacramento, CA 958	54								÷							
Project M	anager :	Bill Christner 916-480-5523		3249 Fitzgerald Road Rancho Cordova, CA 95742 www.californialab.com			P	E										
Project Na Martis 4Q		ater Monitoring	ж.				PRESERVATIVES	(8015M)		2.7	2		FIE	FIELD CONDITIONS:				
Sampled I	By: Bill Chris	tner						80	(A						-			
Job Descr Martis Pla	iption 1t WDR samj	oles		□ OTHER		-10	AIIVES	r oil (e (1664A)	(BC)B)		COMPOSITE:					
Site Locat	ion Trucke	6						& motor oil	& grease	X (8260)	j (8260B)				ARO IN D		SPEC INSTI	IAL RUCTIONS
		SAMPLE	FIELD	=	COI	NTAINER		무	<u>ie</u>	μ	Hg				2.3			
DATE	TIME	IDENTIFICATION	ID.	MATRIX	NO.	ТҮРЕ		TPHd	HdT	BT	LP I		1	2	5	10		
1/24/	1000	MW-33	54	Water	1 1 3	250 AG 1LAG 50mlVOA	3 3 1	x	x	x	x				x			
1/2J	855	MW-40		Water	1 1 3	250 AG 1LAG 50mlVOA	3 3 1	x	x	x	X				x			2
1/24/20	1040	Plant Well		Water	1 1 3	250 AG 1LAG 50mlVOA	3 3 1	x	x	x	x				x			× ×
SUSPECT	ED CONST	ITUENTS						SAI	MPLI	E REI	TENTIC	DN TIME	PR	ESER	VATI		1) HCL 2) HNO3	(3) = COLD $(4) = Na2SO3$
RELINQU	ISHED BY (Signature)	PRINT NAM	IE/COMPANY		DATE/TIME			R	ECEI	VED B	Y (Signature)						E/COMPANY
Dell	Ruite	Bill	Christner/Te	eichert Aggregate	es 🧖	120/1541		15										
RECEIV	ED AT LA	B BY:		DATE/TIME:	1-277	u [57]	C	DNDIT	ION	s/co	MME	NTS: '2	8/	1-	6			
SHIP	PED BY:		es 🗆	OTHER							AIR	BILL#	1					



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Page 2 of 10			02/03/20 11:06
Teichert Aggregates P.O. Box 15002, 3500 American River Dr. Sacramento, CA 95851	Project: Project Number: Project Manager:	Martis 4Q19 Groundwater Monitoring 1471-7750 Bill Christner	CLS Work Order #: 20A1375 COC #:

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
MW-33 (20A1375-01) Water Sampled: 01/24/20 10:00 Received: 01/27/20 15:41										
Hexane Extractable Material (HEM, Oil & Grease)	ND	5.0	mg/L	1	2000729	01/28/20	01/29/20	EPA 1664B		
MW-40 (20A1375-02) Water Sampled: 01/24/20 08:55 Received: 01/27/20 15:41										
Hexane Extractable Material (HEM, Oil & Grease)	ND	5.0	mg/L	1	2000729	01/28/20	01/29/20	EPA 1664B		
Plant Well (20A1375-03) Water Sampled: 01/24/20 10:40 Received: 01/27/20 15:41										
Hexane Extractable Material (HEM, Oil & Grease)	ND	5.0	mg/L	1	2000729	01/28/20	01/29/20	EPA 1664B		



02/03/20 11:06

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Page	3	OŤ	10

Teichert Aggregates	Project:	Martis 4Q19 Groundwater Monitoring	
P.O. Box 15002, 3500 American River Dr.	Project Number:	1471-7750	CLS Work Order #: 20A1375
Sacramento, CA 95851	Project Manager:	Bill Christner	COC #:

Extractable Petroleum Hydrocarbons by EPA Method 8015M

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-33 (20A1375-01) Water Sampled: (01/24/20 10:00 Receiv	ed: 01/27/20	15:41						
Diesel	ND	0.050	mg/L	1	2000695	01/28/20	01/28/20	EPA 8015M	
Motor Oil	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		67 %	65	-135	"	"	"	"	
MW-40 (20A1375-02) Water Sampled: (01/24/20 08:55 Receiv	ed: 01/27/20	15:41						
Diesel	ND	0.050	mg/L	1	2000695	01/28/20	01/28/20	EPA 8015M	
Motor Oil	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		105 %	65	-135	"	"	"	"	
Plant Well (20A1375-03) Water Sampled	l: 01/24/20 10:40 Rec	eived: 01/27/2	20 15:41						
Diesel	ND	0.050	mg/L	1	2000695	01/28/20	01/28/20	EPA 8015M	
Motor Oil	0.10	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		66 %	65	-135	"	"	"	"	



Page 4 of 10			02/03/20 11:06
Teichert Aggregates	Project:	Martis 4Q19 Groundwater Monitoring	
P.O. Box 15002, 3500 American River Dr.	Project Number:	1471-7750	CLS Work Order #: 20A1375
Sacramento, CA 95851	Project Manager:	Bill Christner	COC #:

TPH-Gasoline by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-33 (20A1375-01) Water Sample	d: 01/24/20 10:00 Receiv	red: 01/27/20	15:41						
Gasoline	ND	50	μg/L	1	2000787	01/29/20	01/29/20	EPA 8260M	
Surrogate: Toluene-d8		100 %	65-	-135	"	"	"	"	
MW-40 (20A1375-02) Water Sample	d: 01/24/20 08:55 Receiv	ed: 01/27/20	15:41						
Gasoline	ND	50	μg/L	1	2000787	01/29/20	01/29/20	EPA 8260M	
Surrogate: Toluene-d8		99 %	65-	-135	"	"	"	"	
Plant Well (20A1375-03) Water Sampled: 01/24/20 10:40 Received: 01/27/20 15:41									
Gasoline	ND	50	μg/L	1	2000787	01/29/20	01/29/20	EPA 8260M	
Surrogate: Toluene-d8		<i>99 %</i>	65-	-135	"	"	"	"	



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age 5 of 10 🍊		02/03/20 11:06
Teichert Aggregates P.O. Box 15002, 3500 American River Dr. Sacramento, CA 95851	Project: Project Number: Project Manager:	CLS Work Order #: 20A1375 COC #:

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-33 (20A1375-01) Water Sampled: 0	01/24/20 10:00 Receive	ed: 01/27/20	15:41						
Benzene	ND	0.50	μg/L	1	2000787	01/29/20	01/29/20	EPA 8260B	
Ethylbenzene	ND	0.50	"	"	"	"	"		
Toluene	ND	0.50	"	"	"	"	"		
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		100 %	72	2-125	"	"	"	"	
MW-40 (20A1375-02) Water Sampled: 0	1/24/20 08:55 Receive	ed: 01/27/20	15:41						
Benzene	ND	0.50	μg/L	1	2000787	01/29/20	01/29/20	EPA 8260B	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		99 %	72	2-125	"	"	"	"	
Plant Well (20A1375-03) Water Sampled	l: 01/24/20 10:40 Reco	eived: 01/27/2	20 15:41						
Benzene	ND	0.50	μg/L	1	2000787	01/29/20	01/29/20	EPA 8260B	
Ethylbenzene	ND	0.50	"	"	"		"	"	
Toluene	ND	0.50	"	"	"		"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: Toluene-d8		99 %	72	2-125	"		"	"	



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ſ	Teichert Aggregates	Project:	Martis 4Q19 Groundwater Monitoring	
	P.O. Box 15002, 3500 American River Dr.	Project Number:	1471-7750	CLS Work Order #: 20A1375
	Sacramento, CA 95851	Project Manager:	Bill Christner	COC #:

02/03/20 11:06

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2000729 - Solvent Extract										
Blank (2000729-BLK1)				Prepared: (01/28/20 Ai	nalyzed: 01	/29/20			
Hexane Extractable Material (HEM, Oil & Grease)	ND	5.0	mg/L							
LCS (2000729-BS1)				Prepared: ()1/28/20 Ai	nalyzed: 01	/29/20			
Hexane Extractable Material (HEM, Oil & Grease)	39.1	5.0	mg/L	40.0		98	78-114			
LCS Dup (2000729-BSD1)				Prepared: (01/28/20 Ai	nalyzed: 01	/29/20			
Hexane Extractable Material (HEM, Oil & Grease)	39.0	5.0	mg/L	40.0		98	78-114	0.3	18	



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Teichert Aggregates	Project:	Martis 4Q19 Groundwater Monitoring	
	5	ξ δ	
P.O. Box 15002, 3500 American River Dr.	Project Number:	1471-7750	CLS Work Order #: 20A1375
Sacramento, CA 95851	Project Manager:	Bill Christner	COC #:

02/03/20 11:06

Extractable Petroleum Hydrocarbons by EPA Method 8015M - Quality Control

D I	Reporting							DDD	
Result	Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
			Prepared &	Analyzed:	01/27/20				
ND	0.050	mg/L							
ND	0.050								
0.0234		"	0.0250		94	65-135			
			Prepared &	Analyzed:	01/27/20				
1.82	0.050	mg/L	2.50		73	65-135			
0.0228		"	0.0250		91	65-135			
			Prepared &	Analyzed:	01/27/20				
1.89	0.050	mg/L	2.50		76	65-135	4	30	
0.0208		"	0.0250		83	65-135			
Sou	rce: 20A1108-	01	Prepared &	Analyzed:	01/27/20				
2.18	0.050	mg/L	2.50	ND	87	46-137			
0.0231		"	0.0250		92	65-135			
Sou	rce: 20A1108-	01	Prepared &	Analyzed:	01/27/20				
1.79	0.050	mg/L	2.50	ND	72	46-137	20	30	
0.0198		"	0.0250		79	65-135			
	ND 0.0234 1.82 0.0228 1.89 0.0208 Sou 2.18 0.0231 Sou 1.79	ND 0.050 0.0234	ND 0.050 " 0.0234 " 1.82 0.050 mg/L 0.0228 " 1.89 0.050 mg/L 0.0208 " 2.18 0.050 mg/L 0.0231 " Source: 20A1108-01 1.79 0.050 mg/L	ND 0.050 mg/L ND 0.050 " 0.0234 " 0.0250 Prepared & 1.82 0.050 mg/L 0.0228 " 0.0250 0.0228 " 0.0250 Prepared & 1.89 0.050 mg/L 1.89 0.050 mg/L 2.50 0.0208 " 0.0250 Source: 20A1108-01 Prepared & 2.18 0.050 mg/L 2.50 0.0231 " 0.0250 Source: 20A1108-01 Prepared & 1.79 0.050 mg/L 2.50	ND 0.050 mg/L ND 0.050 " 0.0234 " 0.0250 Prepared & Analyzed: 1.82 0.050 1.82 0.050 mg/L 2.50 0.0228 " 0.0250 Prepared & Analyzed: 1.89 0.050 mg/L 1.89 0.050 mg/L 2.50 0.0208 " 0.0250 Source: 20A1108-01 Prepared & Analyzed: 2.18 0.050 mg/L 2.50 0.0231 " 0.0250 Source: 20A1108-01 Prepared & Analyzed: 1.79 0.050 mg/L 2.50	ND 0.050 " 0.0234 " 0.0250 94 Prepared & Analyzed: 01/27/20 1.82 0.050 mg/L 2.50 73 0.0228 " 0.0250 91 Prepared & Analyzed: 01/27/20 1.89 0.050 mg/L 2.50 76 0.0208 " 0.0250 83 83 83 Source: 20A1108-01 Prepared & Analyzed: 01/27/20 2.18 0.050 mg/L 2.50 ND 87 0.0231 " 0.0250 92 92 Source: 20A1108-01 " 0.0250 92 1.79 0.050 mg/L 2.50 ND 72	ND 0.050 mg/L ND 0.050 " 0.0234 " 0.0250 94 65-135 0.0234 " 0.0250 94 65-135 Prepared & Analyzed: 01/27/20 1.82 0.050 mg/L 2.50 73 65-135 0.0228 " 0.0250 91 65-135 0.0228 " 0.0250 91 65-135 0.0208 " 0.0250 91 65-135 0.0208 " 0.0250 83 65-135 0.0208 " 0.0250 83 65-135 0.0208 " 0.0250 83 65-135 0.0208 " 0.0250 83 65-135 0.0231 " 0.0250 ND 87 46-137 0.0231 " 0.0250 92 65-135 Source: 20A1108-01 Prepared & Analyzed: 01/27/20 1.79 0.050 mg/L 2.50 ND 72 <	ND 0.050 mg/L ND 0.050 " 0.0234 " 0.0250 94 65-135 Prepared & Analyzed: 01/27/20 Prepared & Analyzed: 01/27/20 1.82 0.050 mg/L 2.50 73 65-135 0.0228 " 0.0250 91 65-135 Prepared & Analyzed: 01/27/20 Prepared & Analyzed: 01/27/20 46-135 1.89 0.050 mg/L 2.50 76 65-135 4 0.0208 " 0.0250 83 65-135 4 0.0208 " 0.0250 83 65-135 4 0.0208 " 0.0250 83 65-135 4 0.0208 " 0.0250 83 65-135 4 0.0208 " 0.0250 92 65-135 4 0.0231 " 0.0250 92 65-135 4 0.0231 " 0.0250 92 65-135 4 1.79 0.050 mg/L 2.50 ND 72 46-137 <td>ND 0.050 mg/L ND 0.050 " 0.0234 " 0.0250 94 $65-135$ 0.0234 " 0.0250 94 $65-135$ 0.0234 " 0.0250 94 $65-135$ 0.0228 mg/L 2.50 73 $65-135$ 0.0228 " 0.0250 91 $65-135$ 0.0228 " 0.0250 91 $65-135$ 0.0208 " 0.0250 83 $65-135$ 4 30 0.0231 " 0.0250 ND 87 $46-137$ $46-137$ 0.0231 " 0.0250 92 $65-135$ $5000000000000000000000000000000000000$</td>	ND 0.050 mg/L ND 0.050 " 0.0234 " 0.0250 94 $65-135$ 0.0234 " 0.0250 94 $65-135$ 0.0234 " 0.0250 94 $65-135$ 0.0228 mg/L 2.50 73 $65-135$ 0.0228 " 0.0250 91 $65-135$ 0.0228 " 0.0250 91 $65-135$ 0.0208 " 0.0250 83 $65-135$ 4 30 0.0208 " 0.0250 83 $65-135$ 4 30 0.0208 " 0.0250 83 $65-135$ 4 30 0.0208 " 0.0250 83 $65-135$ 4 30 0.0231 " 0.0250 ND 87 $46-137$ $46-137$ 0.0231 " 0.0250 92 $65-135$ $5000000000000000000000000000000000000$



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Teichert Aggregates	Project:	Martis 4Q19 Groundwater Monitoring	
P.O. Box 15002, 3500 American River Dr.	Project Number:	1471-7750	CLS Work Order #: 20A1375
Sacramento, CA 95851	Project Manager:	Bill Christner	COC #:

TPH-Gasoline by GC/MS - Quality Control

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2000787 - EPA 5030 Water MS										
Blank (2000787-BLK1)				Prepared &	Analyzed:	01/29/20				
Gasoline	ND	50	μg/L							
Surrogate: Toluene-d8	9.74		"	10.0		97	65-135			
LCS (2000787-BS1)				Prepared &	Analyzed:	01/29/20				
Gasoline	524	50	μg/L	500		105	70-130			
Surrogate: Toluene-d8	10.1		"	10.0		101	65-135			
LCS Dup (2000787-BSD1)				Prepared &	Analyzed:	01/29/20				
Gasoline	484	50	μg/L	500		97	70-130	8	30	
Surrogate: Toluene-d8	9.87		"	10.0		99	65-135			



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Teichert Aggregates	Project:	Martis 4Q19 Groundwater Monitoring	
P.O. Box 15002, 3500 American River Dr.	Project Number:	1471-7750	CLS Work Order #: 20A1375
Sacramento, CA 95851	Project Manager:	Bill Christner	COC #:

02/03/20 11:06

Volatile Organic Compounds by EPA Method 8260B - Quality Control

		D (6 1	a		MARC		DDD	
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
-		2	omo	Lever	Ttoball	, mille	2	10.0	Linit	110100
Batch 2000787 - EPA 5030 Water MS										
Blank (2000787-BLK1)				Prepared &	Analyzed:	01/29/20				
Di-isopropyl ether	ND	0.50	μg/L							
Ethyl tert-butyl ether	ND	0.50								
Methyl tert-butyl ether	ND	0.50								
tert-Amyl methyl ether	ND	0.50	"							
tert-Butyl alcohol	ND	5.0	"							
Benzene	ND	0.50								
Toluene	ND	0.50								
Ethylbenzene	ND	0.50								
Xylenes (total)	ND	1.0								
Surrogate: Toluene-d8	9.74		"	10.0		97	72-125			
LCS (2000787-BS1)				Prepared &	Analyzed:	01/29/20				
Methyl tert-butyl ether	23.2	0.50	μg/L	20.0		116	52-130			
Surrogate: Toluene-d8	10.1		"	10.0		101	72-125			
LCS Dup (2000787-BSD1)				Prepared &	Analyzed:	01/29/20				
Methyl tert-butyl ether	22.9	0.50	μg/L	20.0		115	52-130	1	30	
Surrogate: Toluene-d8	9.94		"	10.0		99	72-125			



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Teichert Aggregates P.O. Box 15002, 3500 American River Sacramento, CA 95851	5	Martis 4Q19 Groundwater Mor Number: 1471-7750 Manager: Bill Christner	nitoring CLS Work Order #: 20A1375 COC #:
	No	otes and Definitions	

DET Analyte DETECTED

Analyte NOT DETECTED at or above the reporting limit (or method detection limit when specified)

NR Not Reported

ND

Sample results reported on a dry weight basis dry

RPD Relative Percent Difference

ATTACHMENT 4

FIELD NOTES

40

Das 21, 2020 Mortes Plant - WDR GW Monitoring - Summy , calm, 16°F - Arrive @ 0905 - Speak with Scott Myno - Drive to MW-33 - crussely snow approx 4" - All dist piles have been saread -able to drive within 100-ft of well MW-33 DTWBC = 32.94 ft Temp °C = 13.7 13.7 13.7 DO% = 14.4. 10.9 12.0 DO aling/L = 1.44 1.13 1.25 SPC uslom = 454,9 486.7 494.3 = 6.87 6.69 6.62 ORP mV = - 22.0 - 6.4 3.6 NTU = 38.6 18.5 9.14 = 3:02,7 2:33,5 2:31.0 X Time = 5gal 10gal 15gal Volume - initial 5 gal V. turbid, dank - 10 gal still V. turbid, donk but unproving

41 - 15 gal V. clear, can see to loo Ham at 5 gal bucket - collect WQ samples @ 0950 Stop# 2 MUY Plant Well Volume 56al 10 Gal 156d Temp °C 3.7 4.1 3.8 Do%. 36.3 32.0 28.8 Domg/L 4,74 4.16 3.79 SPC uslom 357.2 355.9 359.4 pH 7.58 7.43 7.33 ORPMV 93.7 125.9 112.3 NTY 19.86 10,32 10.34 Time 3:43.1 3:35.9 3:40,1 - Collect WQ @ 1045 - all water is clean - Drive to MW-40 MW-40 DTWBC= 48,40 Ft over Rite in the Rain

42 Volume 56al 106al 156al But Chuster A

Volume 5002 10021 15021 Temp°C 13.9 14.1 14.1 PO'. 2.4 0.3 -0.4 DO mg/L 0.23 0.02 -0.04 SPC als/cm 544 542 541 pH 6.68 6.66 6.67 ORP mV 139.8 #9129.0 122.7 NTU 2.52 2.29 2.31 TIME 3:37.4 3:33.5 - collect WQ saysles @ 1140 - all water is clear - leave site @ 1205 Birl Chut D. Dec 21, 2020 TRO Storm water Basar - stand pipe circumfrance = 27" - PVC material - Height above flage = 7'-8/4" - Leave Site @ 1232

F

-

F

57 ept 30, 2028 MUY JUDR Saupling and Monitoring of Groundwotic -arrive @ 0830 and check-on @ scale hause -drive to MW-- check depth to water DTNBC = 30.25 Ft 156als 560k 10 bals -14.2 Temp C 14.2 14.2 16.2 16.9 DO 1. 15.1 1.66 1,73 1.53 DO mall 497,3 2440.9 461.5 SPE US/cm 6.76 6.96 6.72 PH ORPmV 32.7 - 8.3 23.6 29.93 10.64 8.40 Turbidity nty 2:30.15 2:33.37 2:42.92 Time - 5 bals: v. turbid, black water and the second division of the second divisio - 10 Gals: Still turbib but cleaning up -15 Gals: clear water -Leave site 1000 Drive to Plant Well Rite in the Rain

58 MUY Sept 30, 2020 Plant Wey 10 Gal 10 Gal 5 Gal +50A Temp C 12,6 12.4 DO %. 24.2 80. 34.6 DO mg/L 2.56 SPC 45/cm 513 8.80 2.56 3.59 15 9.1 516 DH 5.75 7.04 7.21 ORPmV 85.1 171.3 93.2 Turbidity My 100.7 10.24 4.48 Time 2:41.32 4:13.92 4:13.92 15 Gal Temp 12.4 D0%. 26.2 Domali 2.76 SPC us/cm 516 pH 7.04 ORPmV 80.2 Tuibidity sty 15.92 Time 4:04.61 - forgot to insert multimeter probe during 10 gal interval

59 MUY MW-40 - Arrive @ 1110 - measure depth to water in well DTWBC = 47.08 1060l 156al 3 Gal 16.4 Temp C 3-5 DO% 0.34 Dongil SPC uS/cm 150-256 ORPMV 2150.2 Turbidity nter. 2.02 Time 3:20.12 - only able to remove 5 gals -punp runs but no water - add tabing to surp line and drop sump to bottom of well -still no water -collect samples & reason parameters - Leave site @ 1232 Sil Churt fr Rite in the Rain

10 June 29, 2020 0845 Marks Valley Planet. Sign in C. office and speak with Ryan se: SWPPP and monitoring reas. Sop#1-Drive to MW-33 -Arrive @ 0900 -set up equipment and perform monitoring & Saupling DTWBC = 30.61 Ft 560 1000 1560 DO'T. 0.0 TDS mg/L .275 .275. Tompto 0.2 Tompto 0.2 Tompto 0.2 DAT 6.87 6.23 6.06 ORP mV 33 2.0 27 EC mS/Cm .424 .424 0.422 Turbidity aty 8.6 52.2 8.2 -12 0.00 0.00 0.0 3:31.5 3:31.6 - 10 gal clear, no tuspidity - 15 gal very tuspid

11 Stop # 2 Plant Well Arrive @ 1040 - Measure parameters and collect water scriples 560l 1062 156d Tours °C 13.77 12.37 12.15 pH 6.09 6.09 6.10 ORP MU 94 92 88 ECuSICM, 537.537.538 Tuilvidity stur 3.2 3,3 10.0 DO mall 0.00 0.00 0.00 DO %. 0.0 0.0 0.00 TDS ppt . 343 . 342 . 342 Time 7:14.38 2:38.3 2:45.1 - All water is clean Stop#3 MW-40 Arrive@ 1120 - Measure parameters and collect water samples DTWBC= 46.20 ft - depth measured from top of inside (plastic PVC) casing (Continued on p.14) Rite in the Rain

Fune 29, 2020 MW-40 Arrive @ 1120 56al robal 156al 11.83 11.70 11.68 5.87 5.69 5-73 190 204 207 508 0.500 0.500 14 TRQ June 29, 2020 MVY MW-40 Arrive @ 1120 Temp "C 5.87 5.69 5-73 N 190 204 207 pH ORP mV EC m3/cm ,508 0,500 0,500 Turbidify ity 0.0 0.0 0.0 DO mg 16 0.0 0.0 0.00 DU %. 0,00 0,00 0.0 == DS mg/L 0,323 0,320 0.320 == Time 4:00,3 3:54.54 3:54.65 DO %. 0,00 0.00 0.0 TDS mg/L 0,323 0,320 0-320 - water clear - issue with tubing disconnecting From pup upon initiation - need to stort purp douly Leave site @ 1236 Biel Chuston J.

1/24/20 Martis Valley Plant 4th Quarter GW Monstoring Arrive @ 0830 Cloudy musty clarge, calm or Hy speak w/S. Myers - call in to office, Stop#1 MN-40 DTWBCZ 46.81 Ft 5gals 10gals 15gals 3:13 3:07 2:59 11.7°C 41.8°C Time 3:13 7.11 рН ЕС 482 45/00 11.78 11.8°C 343 TDS opm Collect sayles & measure pararetus Calibrate meter on manual Leave site @ 0920

38. MW - 33Stop#Z 0935 rrive @ DTWBC= 30.17 AL 5grls 10gals 15gels Time 2:15 2:18 2:18 EC = 377.45/cm TTDS = 267 ppm pH = 7.02 5 gallons is cloudy and a bit tombed 10 gallons is sitil cloudy trubics 15 gallons is still cloudy but inproved Collect sayalos \$ reasure paranter, Leve site @ 1017 Stop # 3 Phot Hell Arrive & 1021 5gals 3:18 1:55 3:18 Time - collect souples & measur paraneters pH= 7.46 C.21.1°C EC= 32-1 u.S/cm TDS= 227 ppm Leve site @ 104 list Bill Rite in the Rain.