Responsible Party: Colgate Operating, LLC

Contact Name: Mikah Thomas

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

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	NRM2004152170
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

OGRID: 371449

Contact Telephone: 432-695-4222

Contact email: mthomas@colgateenergy.com		Incident #	(assigned by OCD)				
Contact mailing address: 303 West Wall Street, Suite 700 Midland, Tx 79701							
			Location	of R	elease So	ource	
Latitude 32.6	088829		(NAD 83 in de	cimal de	Longitude <u>-</u> grees to 5 decim	104.0424271 al places)	
Site Name: Pa	arkway Dela	ware Unit #601			Site Type:	Injection Well L	cocation
Date Release	Discovered:	May 21, 2019			API# (if app	licable) 30-015-20	6433
Unit Letter	Section	Township	Range		Coun	ty	
В	02	20S	29E	Eddy	y		
Surface Owner		Federal Tr	Nature and	d Vol	lume of F		volumes provided below)
Crude Oil	Wateria	Volume Release		carculat	ions or specific	Volume Recov	
Produced	Water	Volume Release	d (bbls) 15 bbls			Volume Recov	vered (bbls) 15 bbls
		Is the concentrat	ion of dissolved c >10,000 mg/l?	hloride	e in the	Yes No	
Condensa	te	Volume Release	d (bbls)			Volume Recov	/ered (bbls)
☐ Natural G		Volume Release	d (Mcf)			Volume Recov	vered (Mcf)
Other (de	scribe)	Volume/Weight	Released (provide	e units))	Volume/Weigh	ht Recovered (provide units)
Cause of Rele	ease: The sp	 ill/release was a re	sult of an injectio	n line l	leak.		

Page 2

	Sta	ite o	f N	ew	M	exi	co	
Oi	1 C	onse	erva	itio	n I	Div	isic	n

		-
Incident ID	NRM2004152170	
District RP		
Facility ID		
Application ID		

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the respon	nsible party consider this a major release?
☐ Yes ☒ No		
If YES, was immediate no	otice given to the OCD? By whom? To wh	om? When and by what means (phone, email, etc)?
	Initial Ro	esponse
The responsible p	party must undertake the following actions immediately	vunless they could create a safety hazard that would result in injury
☐ The source of the rele	ase has been stopped.	
☐ The impacted area has	s been secured to protect human health and	the environment.
Released materials ha	ve been contained via the use of berms or d	ikes, absorbent pads, or other containment devices.
All free liquids and re	coverable materials have been removed and	l managed appropriately.
If all the actions described	l above have <u>not</u> been undertaken, explain	vhy:
has begun, please attach a	a narrative of actions to date. If remedial	emediation immediately after discovery of a release. If remediation efforts have been successfully completed or if the release occurred lease attach all information needed for closure evaluation.
regulations all operators are a public health or the environm failed to adequately investigated	required to report and/or file certain release noti- nent. The acceptance of a C-141 report by the Cate and remediate contamination that pose a thre	best of my knowledge and understand that pursuant to OCD rules and fications and perform corrective actions for releases which may endanger CD does not relieve the operator of liability should their operations have at to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws
Printed Name: Mikah Tho	<u>omas</u>	Title: Operations Tech
Signature: Matte	LNY	Date: <u>02.07.2020</u>
email: mthomas@colgates	energy.com	Telephone: <u>432-695-4222</u>
OCD Only		
Received by: Ramor	na Marcus	Date:

Received by	OCD:	2/7/2020	11:47:01 A	M
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Page 3 of 55

Form C-141	State of New Mexico
Page 3	Oil Conservation Division

	8	
Incident ID	NRM2004152170	
District RP		
Facility ID		
Application ID		

Form C-141

Page 4

State of New Mexico
Oil Conservation Division

	Tuge 4 of
Incident ID	NRM2004152170
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	(ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☑ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes 🖾 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☑ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☑ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☑ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☑ No
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ☒ No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil
Characterization Report Checklist: Each of the following items must be included in the report.	
Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well Field data Data table of soil contaminant concentration data Depth to water determination Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release Boring or excavation logs Photographs including date and GIS information Topographic/Aerial maps Laboratory data including chain of custody	ls.

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

Page 5

5	state	of N	ew	Me	X1CO	
Oil	Con	serv	atio	n D	ivisi	or

	1 1180 t oj .
Incident ID	NRM2004152170
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release notify public health or the environment. The acceptance of a C-141 report by the O failed to adequately investigate and remediate contamination that pose a three addition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	ications and perform corrective actions for releases which may endanger CD does not relieve the operator of liability should their operations have at to groundwater, surface water, human health or the environment. In
Printed Name: Mikah Thomas	Title: Operations Tech
Signature: Mulchw	Date: February 7, 2020
email: mthomas@colgateenergy.com	Telephone: <u>432-695-4272</u>
OCD Only	
Received by: _ Ramona Marcus	Date: _2/10/2020

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State of New Mexico Oil Conservation Division

	- "8" " ")
ncident ID	NRM2004152170
District RP	
Facility ID	
Application ID	

Remediation Plan

Detailed description of proposed remediation technique	Remediation Plan Checklist: Each of the following items must be included:	ded in the plan.								
☑ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction. ☑ Extents of contamination must be fully delineated. ☑ Contamination does not cause an imminent risk to human health, the environment, or groundwater. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Printed Name: Mikah Thomas Title: Operations Tech Date: February 7, 2020 email: mthomas@colgateenergy.com Telephone: 432-695-4727 OCD Only Received by: Ramona Marcus Date: 2/10/2020 Approved Approved Approved Approved Approved Approved Deferral Approved	 ✓ Scaled sitemap with GPS coordinates showing delineation points ✓ Estimated volume of material to be remediated ✓ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC 									
☑ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction. ☑ Extents of contamination must be fully delineated. ☑ Contamination does not cause an imminent risk to human health, the environment, or groundwater. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Printed Name: Mikah Thomas Title: Operations Tech Date: February 7, 2020 email: mthomas@colgateenergy.com Telephone: 432-695-4727 OCD Only Received by: Ramona Marcus Date: 2/10/2020 Approved Approved Approved Approved Approved Approved Deferral Approved										
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Contamination does not cause an imminent risk to human health, the environment, or groundwater. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Printed Name: Mikah Thomas		on equipment where remediation could cause a major facility								
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rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Printed Name: Mikah Thomas Title: Operations Tech Date: February 7, 2020 email: mthomas(a colgateenergy.com) Telephone: 432-695-4727 OCD Only Received by: Ramona Marcus Date: 2/10/2020 Approved Approved with Attached Conditions of Approval Denied Deferral Approved	Contamination does not cause an imminent risk to human health, the e	environment, or groundwater.								
Signature:	rules and regulations all operators are required to report and/or file certain which may endanger public health or the environment. The acceptance of liability should their operations have failed to adequately investigate and r surface water, human health or the environment. In addition, OCD accept	release notifications and perform corrective actions for releases a C-141 report by the OCD does not relieve the operator of emediate contamination that pose a threat to groundwater, ance of a C-141 report does not relieve the operator of								
email: mthomas@colgateenergy.com Telephone: 432-695-4727 OCD Only Received by: Ramona Marcus Date: 2/10/2020 Approved Approved Approved Denied Deferral Approved	Printed Name: Mikah Thomas Tit	e: Operations Tech								
OCD Only Received by: Ramona Marcus Date: 2/10/2020 Approved Approved Denied Deferral Approved	Signature: Market Da	te: <u>February 7, 2020</u>								
Received by: Ramona Marcus Date: 2/10/2020 Approved	email: mthomas@colgateenergy.com Te	lephone: 432-695-4727								
Received by: Ramona Marcus Date: 2/10/2020 Approved										
☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved	OCD Only									
	Received by: Ramona Marcus Date	2/10/2020								
Signature: Date:	☐ Approved ☐ Approved with Attached Conditions of Appro	val Denied Deferral Approved								
	Signature: Date:									

NRM2004152170

Colgate Energy Co.

(Located Eddy County, New Mexico)

(Parkway Delaware Unit # 601 UL-B, Sec. 2, T20S, R29E)

Spill/Release Delineation Report

Presented to:

Colgate Energy Co.
306 W Wall St. Suite 500
Midland, Texas 79701

Prepared by:

Phoenix Environmental, LLC.

P.O. Box 1856 Hobbs, New Mexico 88240



Summary/Overview

Phoenix Environmental LLC was contacted by Mr. Casey McCain with Colgate Energy Co. to Delineate a spill/release site located at the Parkway Delaware Unit # 601. The site is located in UL-B Sec 2, T20S, R29E of Eddy County New Mexico the spill/release site associated with this well has a GPS reading of 32.610557-N 104.042278-W. The spill/release was a result of a injection line leak that released an unknown amount of produced water and hydrocarbons that pooled up about 100' just south of the line failure. It was noted that this release was on top of an old spill at the site.

It is our understanding that any potential contamination from the site was the result of activities associated with the production of oil and gas. The potential contaminates of concern are mid to high level concentration of produced water and hydrocarbon liquid that was lost from the injection line failure and was absorbed by the near surface soils.

The NMOCD regulates the remediation and disposal of non-domestic wastes resulting from the Oil and Gas Industry. In addition, the NMOCD administers all Water Quality Act regulations pertaining to the surface and ground water except sewage for the oil and gas industry. This authority includes the disposition of non-domestic, non-hazardous wastes at Oil and Gas facilities.

The lands primary use is domestic pasture for ranching and the production of oil and gas. The ground water depth data available for this section from the states engineer's office shows if any the depth to ground water would be in the 200'+/- BGS.

Please find in the following the delineation data from the spill/release site.



Chronology and Delineation Data

On 9-24-2019 Phoenix Environmental mobilized to the site a backhoe to start the site delineation to find the vertical depth of the release. At the site there was 22,668sq' of surface soils that were affected from the release. The backhoe was utilized to excavate test holes across the spill/release area.

- 1. Test hole #1 was located in the center of the area where the release pooled up. Soil samples were taken from surface, 2', 5' and 7.
- 2. Test hole #2 was located on the south edge of the pool area, soil samples were taken at surface, 2' and 5'.
- 3. Test hole #3 was located on the east edge of the pool area, soil samples were taken at surface, 2' and 5'.
- 4. Test hole #4 was located on the west edge of the pool area, soil samples were taken at surface, 2' and 5'.
- 5. Test hole #5 was located on the north edge of the pool area, soil samples were taken at surface, 2' and 5'.
- 6. Test hole #6 was located about 15' east of the injection line part and in the center of the run-down area, soil samples were taken at surface, 2' and 5'.

All of the samples were taken to a third-party lab. At the lab the soil samples were tested for BTEX, TPH and CL. All of the lab analysis is attached.

Phoenix reviewed the lab analysis form this first round of site delineation work and they showed that the BTEX was non detect and the TPH was clean at 2' but the CL chlorides were high. With this first round of testing we were unable to find the vertical depth of the CL impact. Phoenix recommends that more test will be required to find the vertical depth of the CL impact.



Chronology and Delineation Data

On 11-5-2019 Phoenix Environmental was back on location with a backhoe to try and find the vertical depth of the CL impact.

- 1. Test hole #1 was located in the center of the area where the release pooled up. Soil samples were taken from 9', 11', 13' and 15'.
- 2. Test hole #2 was located on the south edge of the pool area, soil samples were taken at 7', 9' and 11'.
- 3. Test hole #3 was located on the east edge of the pool area, soil samples were taken at 7', 9' and 11'.
- 4. Test hole #4 was located on the west edge of the pool area, soil samples were taken at 7', 9' and 11'.
- 5. Test hole #5 was located on the north edge of the pool area, soil samples were taken at 7', 9' and 11'
- 6. Test hole #6 was located about 15' east of the injection line part and in the center of the run-down area, soil samples were taken at 7', 9' and 11'.

The samples taken from this round of testing were only tested for CL Chlorides due to the fact that all BTEX and TPH are ND at this point. All lab analysis is attached.

Phoenix reviewed the lab analysis and noted two things. First analysis confirms that this is a new release on top of a old release due to the fact that the CL levels were coming down and then started to climb back up. Second was that the vertical impact of the CL was not found in this round of testing. Phoenix would recommend that we get a drilling rig out to the site, due to the fact we have reached the excavation max depth limit for a backhoe.



Chronology and Delineation Data

On 12-17-2019 Phoenix Environmental was back on location with a drill rig to finish finding the vertical depth of the CL impact.

- 1. Test hole #1 was located in the center of the area where the release pooled up. Soil samples were taken from 20', 25', 30', 35' and 40'.
- 2. Test hole #2 was located on the south edge of the pool area, soil samples were taken at 20', 25' and 30'
- 3. Test hole #3 was located on the east edge of the pool area, soil samples were taken at 20', 25' and 30'.
- 4. Test hole #4 was located on the west edge of the pool area, soil samples were taken at 20', 25' and 30'.
- 5. Test hole #5 was located on the north edge of the pool area, soil samples were taken at 20', 25' and 30'.
- 6. Test hole #6 was located about 15' east of the injection line part and in the center of the run-down area, soil samples were taken at 20', 25' and 30'.

The samples taken from this round of testing were only tested for CL Chlorides due to the fact that all BTEX and TPH are ND at this point. All lab analysis is attached.

Phoenix reviewed the lab analysis and it was noted that the vertical depth of the CL impact was found to be clean or below 1,000ppm. 35' BGS.

Site Delineation Summary

1. There is 22,668sq' of surface area that has been impacted from this spill/release.







First Round Sampling

Lab Analysis

9-24-2019 utilizing a backhoe to define vertical Depth of impact from Spill/Release Samples were taken from Surface, 2', 5' and 7'

Results from samples

Vertical depth not found





Analytical Results For:

Phoenix Environmental, LLC Allen Hodge P.O. Box 1856 Hobbs NM, 88240 Fax To: (575) 391-9687

Received:

10/01/2019

Sampling Date:

09/26/2019

Reported:

10/02/2019

Sampling Type:

Soil

Project Name:

PARKWAY DELAWARE UNIT PDU601

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Tamara Oldaker

Project Location:

COLGATE ENERGY - EDDY CO NM

Sample ID: TEST HOLE # 1 @ SURFACE (H903346-01)

BTEX 8021B	mg/kg		Analyzed By: BF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2019	ND	1.95	97.3	2.00	1.38	
Toluene*	<0.050	0.050	10/01/2019	ND	1.86	92.8	2.00	0.369	
Ethylbenzene*	<0.050	0.050	10/01/2019	ND	1.84	92.2	2.00	0.260	
Total Xylenes*	<0.150	0.150	10/01/2019	ND	5.72	95.3	6.00	1.91	
Total BTEX	<0.300	0.300	10/01/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	80.1	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12000	16.0	10/02/2019	ND	400	100	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<100	100	10/01/2019	ND	213	106	200	8.86	
DRO >C10-C28*	26900	100	10/01/2019	ND	214	107	200	4.43	
EXT DRO >C28-C36	9800	100	10/01/2019	ND					
Surrogate: 1-Chlorooctane	95.3	% 41-142	5 5						
Surrogate: 1-Chlorooctadecane	133 9	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 25



Analytical Results For:

Phoenix Environmental, LLC Allen Hodge P.O. Box 1856 Hobbs NM, 88240

Fax To:

(575) 391-9687

Received:

10/01/2019

Sampling Date:

09/26/2019

Reported:

10/02/2019

Sampling Type:

Soil

Project Name:

PARKWAY DELAWARE UNIT PDU601

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Tamara Oldaker

Project Location:

COLGATE ENERGY - EDDY CO NM

Sample ID: TEST HOLE # 1 @ 2' (H903346-02)

BTEX 8021B	mg/kg		Analyzed By: BF					100	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2019	ND	1.95	97.3	2.00	1.38	
Toluene*	<0.050	0.050	10/01/2019	ND	1.86	92.8	2.00	0.369	
Ethylbenzene*	<0.050	0.050	10/01/2019	ND	1.84	92.2	2.00	0.260	
Total Xylenes*	<0.150	0.150	10/01/2019	ND	5.72	95.3	6.00	1.91	
Total BTEX	<0.300	0.300	10/01/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	85.8	% 73.3-12	9				······································		
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11000	16.0	10/02/2019	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2019	ND	213	106	200	8.86	
DRO >C10-C28*	<10.0	10.0	10/01/2019	ND	214	107	200	4.43	
EXT DRO >C28-C36	<10.0	10.0	10/01/2019	ND					
Surrogate: I-Chlorooctane	84.7 %	6 41-142						error formation and a second	*****
Surrogate: 1-Chlorooctadecane	91.2 %	6 37.6-147	,						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories. All claims, including those for negligence and

Celeg & Keene



Analytical Results For:

Phoenix Environmental, LLC Allen Hodge P.O. Box 1856 Hobbs NM, 88240 Fax To: (575) 391-9687

Received:

10/01/2019

Reported:

Project Name: Project Number:

NONE GIVEN

Project Location:

10/02/2019

PARKWAY DELAWARE UNIT PDU601

COLGATE ENERGY - EDDY CO NM

Sampling Date:

Sampling Type:

Sampling Condition: Sample Received By: 09/26/2019

Soil

Cool & Intact

Tamara Oldaker

Sample ID: TEST HOLE # 1 @ 5' (H903346-03)

Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12400	16.0	10/02/2019	ND	400	100	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2019	ND	213	106	200	8.86	
DRO >C10-C28*	<10.0	10.0	10/01/2019	ND	214	107	200	4.43	
EXT DRO >C28-C36	<10.0	10.0	10/01/2019	ND					
Surrogate: 1-Chlorooctane	87.8 9	% 41-142						//	
Surrogate: 1-Chlorooctadecane	93.9 9	% 37.6-147	•						

Sample ID: TEST HOLE # 1 @ 7' (H903346-04)

	(115055	10 04)							
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						1000 IO
Analyte Chloride	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Cilioride	12000	16.0	10/02/2019	ND	400	100	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS			account of the control of the contro		2)	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2019	ND	213	106	200	8.86	
DRO >C10-C28*	<10.0	10.0	10/01/2019	ND	214	107	200	4.43	
EXT DRO >C28-C36	<10.0	10.0	10/01/2019	ND					
Surrogate: 1-Chlorooctane	88.3 9	% 41-142			***************************************		W		
Surrogate: 1-Chlorooctadecane	92.5 9	% 37.6-147							

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Analytical Results For:

Phoenix Environmental, LLC Allen Hodge P.O. Box 1856 Hobbs NM, 88240 Fax To: (575) 391-9687

Received:

10/01/2019

Reported:

10/02/2019

Project Name: Project Number: PARKWAY DELAWARE UNIT PDU601

Project Location:

NONE GIVEN

COLGATE ENERGY - EDDY CO NM

Sampling Date:

Sampling Type:

Sampling Condition: Sample Received By: 09/26/2019

Soil

Cool & Intact Tamara Oldaker

Sample ID: TEST HOLE # 2 @ SURFACE (H903346-05)

BTEX 8021B	mg/kg		Analyzed By: BF		the state of the s				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2019	ND	1.95	97.3	2.00	1.38	
Toluene*	<0.050	0.050	10/01/2019	ND	1.86	92.8	2.00	0.369	
Ethylbenzene*	<0.050	0.050	10/01/2019	ND	1.84	92.2	2.00	0.260	
Total Xylenes*	<0.150	0.150	10/01/2019	ND	5.72	95.3	6.00	1.91	
Total BTEX	<0.300	0.300	10/01/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	85.0	% 73.3-12	9	***************************************					
Chloride, SM4500CI-B	mg/	kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	24000	16.0	10/02/2019	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2019	ND	213	106	200	8.86	
DRO >C10-C28*	10.5	10.0	10/01/2019	ND	214	107	200	4.43	
EXT DRO >C28-C36	10.8	10.0	10/01/2019	ND					
Surrogate: 1-Chlorooctane	87.8 9	6 41-142				74			
Surrogate: I-Chlorooctadecane	93.3 %	6 37.6-147	7						

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Received:

10/01/2019

Reported:

10/02/2019

Project Name: Project Number:

Project Location:

PARKWAY DELAWARE UNIT PDU601 NONE GIVEN

COLGATE ENERGY - EDDY CO NM

Sampling Date:

Sampling Type:

Sampling Condition: Sample Received By:

Soil Cool & Intact

Tamara Oldaker

09/26/2019

Sample ID: TEST HOLE # 2 @ 2' (H903346-06)

mg/kg		Analyzed By: BF						
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<0.050	0.050	10/01/2019	ND	1.95	97.3	2.00		Qualific
<0.050	0.050	10/01/2019	ND	1.86				
<0.050	0.050	10/01/2019	ND	1.84				
<0.150	0.150	10/01/2019	ND	5.72				
<0.300	0.300	10/01/2019	ND		33.0	0.00	1.51	
87.3 9	73.3-129)						
mg/	kg	Analyzed By: AC						
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
12600	16.0	10/02/2019	ND	400	100	400		- Qualifica
mg/l	«g	Analyze	d By: MS			100	0.00	
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value OC	RPD	Qualifier
<10.0	10.0	10/01/2019	ND	213	106			Qualifici
<10.0	10.0	10/01/2019	ND	214				
10.7	10.0	10/01/2019	ND		7.2	200	1.15	
91.1 %	41-142							- X - X - X - X
	Result <0.050 <0.050 <0.050 <0.150 <0.300 87.39 mg/l Result 12600 mg/l Result <10.0 <10.7	Result Reporting Limit <0.050	Result Reporting Limit Analyzed <0.050	Result Reporting Limit Analyzed Method Blank <0.050	Result Reporting Limit Analyzed Method Blank BS <0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery <0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <0.050

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Fax To:

(575) 391-9687

Received:

10/01/2019

Sampling Date:

09/26/2019

Reported:

10/02/2019

Sampling Type:

Soil

Project Name:

PARKWAY DELAWARE UNIT PDU601

Sampling Condition:

Project Number:

Cool & Intact

Project Location:

NONE GIVEN

COLGATE ENERGY - EDDY CO NM

Sample Received By:

Tamara Oldaker

Sample ID: TEST HOLE # 2 @ 5' (H903346-07)

Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13400	16.0	10/02/2019	ND	400	100	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2019	ND	213	106	200	8.86	
DRO >C10-C28*	<10.0	10.0	10/01/2019	ND	214	107	200	4.43	
EXT DRO >C28-C36	<10.0	10.0	10/01/2019	ND					
Surrogate: 1-Chlorooctane	86.4 %	6 41-142	2	mer I. f. obligger					
Surrogate: 1-Chlorooctadecane	92.7 %	37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager

Page 7 of 25



Analytical Results For:

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Received:

10/01/2019

Reported: Project Name:

10/02/2019

PARKWAY DELAWARE UNIT PDU601

Project Number: Project Location:

NONE GIVEN COLGATE ENERGY - EDDY CO NM Sampling Date:

Sampling Type:

Sampling Condition:

Sample Received By:

09/26/2019 Soil

Cool & Intact

Tamara Oldaker

Sample ID: TEST HOLE #3 @ SURFACE (H903346-08)

BTEX 8021B	mg	/kg	Analyz	ed By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2019	ND	1.95	97.3	2.00	1.38	360 3 30000000 40000000
Toluene*	<0.050	0.050	10/01/2019	ND	1.86	92.8	2.00	0.369	
Ethylbenzene*	<0.050	0.050	10/01/2019	ND	1.84	92.2	2.00	0.260	
Total Xylenes*	<0.150	0.150	10/01/2019	ND	5.72	95.3	6.00	1.91	
Total BTEX	<0.300	0.300	10/01/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	86.8 9	% 73.3-129	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	37600	16.0	10/02/2019	ND	400	100	400	0.00	Ç-1c.
TPH 8015M	mg/	kg	Analyze	d By: MS		75.2	100	0.00	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value OC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2019	ND	213	106	200	8.86	Qualifici
DRO >C10-C28*	118	10.0	10/01/2019	ND	214	107	200	4.43	
EXT DRO >C28-C36	58.0	10.0	10/01/2019	ND			200	1.15	
Surrogate: 1-Chlorooctane	88.4 %	6 41-142		- 10 2 Nov 10 Nov.		St. 155			
Surrogate: 1-Chlorooctadecane	102 %	37.6-147							

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Received:

10/01/2019

Reported:

10/02/2019

Project Name: Project Number:

PARKWAY DELAWARE UNIT PDU601

Project Location:

NONE GIVEN

COLGATE ENERGY - EDDY CO NM

Sampling Date:

Sampling Type:

Sampling Condition:

Sample Received By:

09/26/2019 Soil

Cool & Intact

Tamara Oldaker

Sample ID: TEST HOLE # 3 @ 2' (H903346-09)

BTEX 8021B	mg/	kg	Analyz	ed By: BF	XII				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2019	ND	1.95	97.3	2.00	1.38	
Toluene*	<0.050	0.050	10/01/2019	ND	1.86	92.8	2.00	0.369	
Ethylbenzene*	<0.050	0.050	10/01/2019	ND	1.84	92.2	2.00	0.260	
Total Xylenes*	<0.150	0.150	10/01/2019	ND	5.72	95.3	6.00	1.91	
Total BTEX	<0.300	0.300	10/01/2019	ND				1131	
Surrogate: 4-Bromofluorobenzene (PIL	86.4 %	6 73.3-12	9						
Chloride, SM4500CI-B	mg/k	(g	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16000	16.0	10/02/2019	ND	400	100	400	0.00	Qualifici
TPH 8015M	mg/k	g	Analyze	d By: MS		255.50	100	0.00	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2019	ND	213	106	200	8.86	Qualifici
DRO >C10-C28*	<10.0	10.0	10/01/2019	ND	214	107	200	4.43	
EXT DRO >C28-C36	<10.0	10.0	10/01/2019	ND			200	т.т.	
Surrogate: 1-Chlorooctane	87.3 %	41-142							

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Analytical Results For:

Phoenix Environmental, LLC Allen Hodge P.O. Box 1856 Hobbs NM, 88240

Fax To:

(575) 391-9687

Received: Reported:

10/01/2019

10/02/2019

PARKWAY DELAWARE UNIT PDU601

Project Name: Project Number:

Project Location:

NONE GIVEN

COLGATE ENERGY - EDDY CO NM

Sampling Date:

Compling Dutc.

Sampling Type:

Sampling Condition: Sample Received By:

Cool & Intact

Tamara Oldaker

09/26/2019

Soil

Sample ID: TEST HOLE # 3 @ 5' (H903346-10)

Chloride, SM4500CI-B	mg/	mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12600	16.0	10/02/2019	ND	400	100	400	0.00	
TPH 8015M	mg/l	kg	Analyze	d By: MS				0.00	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2019	ND	213	106	200	8.86	Qualific:
DRO >C10-C28*	<10.0	10.0	10/01/2019	ND	214	107	200	4.43	
EXT DRO >C28-C36	<10.0	10.0	10/01/2019	ND				1.15	
Surrogate: 1-Chlorooctane	86.7 %	6 41-142						**************************************	
Surrogate: 1-Chlorooctadecane	91.2 %	37.6-147							

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Fax To:

(575) 391-9687

Received: Reported:

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10/02/2019

PARKWAY DELAWARE UNIT PDU601

NONE GIVEN

Project Number: Project Location:

Project Name:

COLGATE ENERGY - EDDY CO NM

Sampling Date:

Sampling Type:

Sampling Condition: Sample Received By:

Cool & Intact Tamara Oldaker

09/26/2019

Soil

Sample ID: TEST HOLE # 4 @ SURFACE (H903346-11)

BTEX 8021B	mg/kg		Analyzed By: BF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2019	ND	1.95	97,3	2.00	1.38	Qualifici
Toluene*	<0.050	0.050	10/01/2019	ND	1.86	92.8	2.00	0.369	
Ethylbenzene*	<0.050	0.050	10/01/2019	ND	1.84	92.2	2.00	0.260	
Total Xylenes*	<0.150	0.150	10/01/2019	ND	5.72	95.3	6.00	1.91	
Total BTEX	<0.300	0.300	10/01/2019	ND			0.00	1.51	
Surrogate: 4-Bromofluorobenzene (PIL	84.7 %	6 73.3-129	1	***************************************		***			
Chloride, SM4500CI-B	mg/k	g	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	36800	16.0	10/02/2019	ND	400	100	400	0.00	
TPH 8015M	mg/k	g	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	10/01/2019	ND	213	106	200	8.86	Qualifica
DRO >C10-C28*	9380	50.0	10/01/2019	ND	214	107	200	4.43	
EXT DRO >C28-C36	4310	50.0	10/01/2019	ND					
Surrogate: 1-Chlorooctane	83.6%	41-142				***************************************			
Surrogate: 1-Chlorooctadecane	524 %	37.6-147							

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Phoenix Environmental, LLC Allen Hodge P.O. Box 1856 Hobbs NM, 88240 (575) 391-9687 Fax To:

Received:

10/01/2019

Reported:

10/02/2019

Project Name: Project Number: PARKWAY DELAWARE UNIT PDU601

Project Location:

NONE GIVEN

COLGATE ENERGY - EDDY CO NM

Sampling Date:

Sampling Type:

Sampling Condition:

Sample Received By:

09/26/2019

Soil

Cool & Intact

Tamara Oldaker

Sample ID: TEST HOLE # 4 @ 2' (H903346-12)

BTEX 8021B	mg/	kg	Analyz	ed By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2019	ND	1.95	97.3	2.00	1.38	Quanta
Toluene*	<0.050	0.050	10/01/2019	ND	1.86	92.8	2.00	0.369	
Ethylbenzene*	<0.050	0.050	10/01/2019	ND	1.84	92.2	2.00	0.260	
Total Xylenes*	<0.150	0.150	10/01/2019	ND	5.72	95.3	6.00	1.91	
Total BTEX	<0.300	0.300	10/01/2019	ND			3.33	1.51	
Surrogate: 4-Bromofluorobenzene (PIL	88.5 %	6 73.3-129)					***************************************	
Chloride, SM4500CI-B	mg/l	(g	Analyze	ed By: AC	•				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value OC	RPD	Qualifier
Chloride	12400	16.0	10/02/2019	ND	400	100	400	0.00	- Cuamici
TPH 8015M	mg/k	g	Analyze	d By: MS			100	0.00	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value OC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2019	ND	213	106	200	8.86	Qualifier
DRO >C10-C28*	<10.0	10.0	10/01/2019	ND	214	107	200	4.43	
EXT DRO >C28-C36	11.1	10.0	10/01/2019	ND		1000	200	1.13	
Surrogate: 1-Chlorooctane	85.3 %	41-142		*****					
Surrogate: 1-Chlorooctadecane	89.5 %	37.6-147							

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Phoenix Environmental, LLC Allen Hodge P.O. Box 1856 Hobbs NM, 88240 Fax To: (575) 391-9687

Received:

10/01/2019

Reported: Project Name: 10/02/2019

NONE GIVEN

Project Number: Project Location: PARKWAY DELAWARE UNIT PDU601

COLGATE ENERGY - EDDY CO NM

Sampling Date:

Sampling Type:

Sampling Condition:

Sample Received By:

Cool & Intact

Tamara Oldaker

Soil

09/26/2019

Sample ID: TEST HOLE # 4 @ 5' (H903346-13)

Chloride, SM4500CI-B

Analyzed Ry: AC

		-9	Allaiyze	u by: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12200	16.0	10/02/2019	ND	400	100	400	0.00	•
TPH 8015M	mg/l	cg	Analyze	d By: MS				0.00	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2019	ND	213	106	200	8.86	Qualifici
DRO >C10-C28*	<10.0	10.0	10/01/2019	ND	214	107	200	4.43	
EXT DRO >C28-C36	<10.0	10.0	10/01/2019	ND			200	1.13	
Surrogate: 1-Chlorooctane	82.5 %	41-142				1 1000000		-181	
Surrogate: 1-Chlorooctadecane	87.2 %	37.6-147							

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Celeg & Keine



Analytical Results For:

Phoenix Environmental, LLC Allen Hodge P.O. Box 1856 Hobbs NM, 88240 Fax To: (575) 391-9687

Received:

10/01/2019

Reported: Project Name: 10/02/2019

PARKWAY DELAWARE UNIT PDU601

Project Number: Project Location: NONE GIVEN

COLGATE ENERGY - EDDY CO NM

Sampling Date:

Sampling Type:

Sampling Condition: Sample Received By: 09/26/2019

Soil

Cool & Intact Tamara Oldaker

Sample ID: TEST HOLE # 5 @ SURFACE (H903346-14)

BTEX 8021B	mg/	kg	Analyz	ed By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2019	ND	1.95	97.3	2.00	1.38	
Toluene*	<0.050	0.050	10/01/2019	ND	1.86	92.8	2.00	0.369	
Ethylbenzene*	<0.050	0.050	10/01/2019	ND	1.84	92.2	2.00	0.260	
Total Xylenes*	<0.150	0.150	10/01/2019	ND	5.72	95.3	6.00	1.91	
Total BTEX	<0.300	0.300	10/01/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	85.1 %	6 73.3-129	9						19-10-2- AB-217-2- A
Chloride, SM4500CI-B	mg/k	(g	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16000	16.0	10/02/2019	ND	416	104	400	3.77	QM-07
TPH 8015M	mg/k	g	Analyze	d By: MS			100	5.77	S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value OC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	10/01/2019	ND	213	106	200	8.86	Quanter
DRO >C10-C28*	6780	50.0	10/01/2019	ND	214	107	200	4.43	
EXT DRO >C28-C36	2290	50.0	10/01/2019	ND			:TT.T.E:		
Surrogate: 1-Chlorooctane	90.0 %	41-142				A			***
Surrogate: 1-Chlorooctadecane	434 %	37.6-147							

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Celeg D. Keine



Analytical Results For:

Phoenix Environmental, LLC Allen Hodge P.O. Box 1856 Hobbs NM, 88240 Fax To: (575) 391-9687

Received:

10/01/2019

Reported:

10/02/2019

Project Name: Project Number:

NONE GIVEN

Project Location:

PARKWAY DELAWARE UNIT PDU601

COLGATE ENERGY - EDDY CO NM

Sampling Date:

Sampling Type:

Sampling Condition: Sample Received By: Soil

Cool & Intact Tamara Oldaker

09/26/2019

Sample ID: TEST HOLE # 5 @ 2' (H903346-15)

Limit 19		/							
BTEX 8021B	mg/	kg	Analyz	ed By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	10/01/2019	ND	1.95	97.3	2.00	1.38	Quanti
Toluene*	<0.050	0.050	10/01/2019	ND	1.86	92.8	2.00	0.369	
Ethylbenzene*	<0.050	0.050	10/01/2019	ND	1.84	92.2	2.00	0.260	
Total Xylenes*	<0.150	0.150	10/01/2019	ND	5.72	95.3	6.00	1.91	
Total BTEX	<0.300	0.300	10/01/2019	ND				1.51	
Surrogate: 4-Bromofluorobenzene (PIL	83.4 %	6 73.3-129)		-				
Chloride, SM4500CI-B	mg/l	rg .	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value OC	RPD	Qualifier
Chloride	9060	16.0	10/02/2019	ND	416	104	400	3.77	Qualifici
TPH 8015M	mg/k	g	Analyze	d By: MS		7	100	3.77	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2019	ND	213	106	200	8.86	Qualifier
DRO >C10-C28*	<10.0	10.0	10/01/2019	ND	214	107	200	4.43	
EXT DRO >C28-C36	10.9	10.0	10/01/2019	ND			200	7.73	
Surrogate: 1-Chlorooctane	84.7 %	41-142							
Surrogate: 1-Chlorooctadecane	90.4 %	37.6-147							

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Analytical Results For:

Phoenix Environmental, LLC Allen Hodge P.O. Box 1856 Hobbs NM, 88240 (575) 391-9687

Fax To:

Sampling Date:

09/26/2019

Reported: Project Name:

Received:

Chlorido SM4E00CL D

10/01/2019 10/02/2019

Sampling Type:

Soil

Project Number:

PARKWAY DELAWARE UNIT PDU601

Sampling Condition:

Cool & Intact

NONE GIVEN

Sample Received By:

Tamara Oldaker

Project Location:

COLGATE ENERGY - EDDY CO NM

Sample ID: TEST HOLE # 5 @ 5' (H903346-16)

Chloride, SM4500CI-B	mg/	mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value OC	RPD	Qualifier
Chloride	9600	16.0	10/02/2019	ND	416	104	400	3.77	Qualifici
TPH 8015M	mg/l	kg	Analyze	d By: MS		101	400	3.//	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value OC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2019	ND	188	94.1	200		Qualifier
DRO >C10-C28*	<10.0	10.0	10/02/2019	ND	194	97.2		16.3	
EXT DRO >C28-C36	<10.0	10.0	10/02/2019	ND	151	37.2	200	11.7	
Surrogate: 1-Chlorooctane	85.1 %	6 41-142							
Surrogate: 1-Chlorooctadecane	91.8 %	37.6-147							

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Celey & Keine



Analytical Results For:

Phoenix Environmental, LLC Allen Hodge P.O. Box 1856 Hobbs NM, 88240

Fax To:

(575) 391-9687

Received:

10/01/2019

Sampling Date:

09/26/2019

Reported: Project Name:

10/02/2019

Sampling Type:

Soil

PARKWAY DELAWARE UNIT PDU601

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Tamara Oldaker

Project Location:

COLGATE ENERGY - EDDY CO NM

Sample ID: TEST HOLE # 6 @ SURFACE (H903346-17)

BTEX 8021B			,						
	mg/	Kg	Analyz	ed By: BF			5-W		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	10/01/2019	ND	1.95	97.3	2.00	1.38	
Toluene*	<0.050	0.050	10/01/2019	ND	1.86	92.8	2.00	0.369	
Ethylbenzene*	<0.050	0.050	10/01/2019	ND	1.84	92.2	2.00	0.260	
Total Xylenes*	<0.150	0.150	10/01/2019	ND	5.72	95.3	6.00	1.91	
Total BTEX	<0.300	0.300	10/01/2019	ND			0.00	1.51	
Surrogate: 4-Bromofluorobenzene (PIL	82.0 %	6 73.3-129	9						
Chloride, SM4500CI-B	mg/l	(g	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4320	16.0	10/02/2019	ND	416	104	400		Quaimer
PH 8015M	mg/k	g	Analyze	d By: MS	.10	101	400	3.77	0.00
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	S-06
GRO C6-C10*	<50.0	50.0	10/02/2019	ND	188	94.1	200		Qualifier
PRO >C10-C28*	2610	50.0	10/02/2019	ND	194	97.2	200	16.3	
XT DRO >C28-C36	1210	50.0	10/02/2019	ND		37.2	200	11.7	
urrogate: 1-Chlorooctane	81.5 %	41-142	**************************************		, , , , , , , , , , , , , , , , , , ,				
urrogate: 1-Chlorooctadecane	195 %	37.6-147							
	193 70	3/.0-14/							

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Celey D. Kuna



Analytical Results For:

Phoenix Environmental, LLC Allen Hodge P.O. Box 1856 Hobbs NM, 88240 (575) 391-9687

Fax To:

Received:

10/01/2019

Reported: Project Name:

10/02/2019

PARKWAY DELAWARE UNIT PDU601

Project Number:

Project Location:

NONE GIVEN

COLGATE ENERGY - EDDY CO NM

Sampling Date:

Sampling Type:

Sampling Condition:

Sample Received By:

09/26/2019

Soil

Cool & Intact Tamara Oldaker

Sample ID: TEST HOLE # 6 @ 2' (H903346-18)

BTEX 8021B	mg	/kg	Analyz	ed By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2019	ND	1.95	97.3	2.00	1.38	Qualifier
Toluene*	<0.050	0.050	10/01/2019	ND	1.86	92.8	2.00	0.369	
Ethylbenzene*	<0.050	0.050	10/01/2019	ND	1.84	92.2	2.00	0.260	
Total Xylenes*	< 0.150	0.150	10/01/2019	ND	5.72	95.3	6.00	1.91	
Total BTEX	<0.300	0.300	10/01/2019	ND	15,14,55	70.5	0.00	1.91	
Surrogate: 4-Bromofluorobenzene (PIL	85.9	% 73.3-129			• • • • • • • • • • • • • • • • • • • •	, , , , , , , , , , , , , , , , , , ,	·	,,	
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10800	16.0	10/02/2019	ND	416	104	400	3.77	Qualifier
TPH 8015M	mg/l	kg	Analyze	d By: MS		101	400	3.77	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value OC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2019	ND	188	94.1	200	16.3	Qualifier
DRO >C10-C28*	<10.0	10.0	10/02/2019	ND	194	97.2	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	10/02/2019	ND		# 5.# ** 0	200	11./	
Surrogate: 1-Chlorooctane	85.4 %	<i>41-142</i>						47	
Surrogate: 1-Chlorooctadecane	90.4 %	37.6-147							

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Celeg D. Keine



Analytical Results For:

Phoenix Environmental, LLC Allen Hodge P.O. Box 1856 Hobbs NM, 88240

Fax To:

(575) 391-9687

Received:

10/01/2019

Sampling Date:

09/26/2019

Reported:

10/02/2019

Sampling Type:

Soil

Project Name:

PARKWAY DELAWARE UNIT PDU601

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Tamara Oldaker

Project Location:

COLGATE ENERGY - EDDY CO NM

Sample ID: TEST HOLE # 6 @ 5' (H903346-19)

hloride, SM4500Cl-B	mg/	mg/kg		Analyzed By: AC					
Analyte Chloride	Result	Reporting Limit	Analyzed 10/02/2019	Method Blank	BS 416	% Recovery	True Value QC	RPD	Qualifier
TPH 8015M	mg/	kg	Analyze	d By: MS		101	400	3.77	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value OC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2019	ND	188	94.1	200	16.3	Qualifier
DRO >C10-C28*	<10.0	10.0	10/02/2019	ND	194	97.2	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	10/02/2019	ND			250	11.7	
Surrogate: 1-Chlorooctane	82.5 %	6 41-142							37) - Vision - V
Surrogate: 1-Chlorooctadecane	89.0 %	37.6-147							

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Analytical Results For:

Phoenix Environmental, LLC

Allen Hodge

P.O. Box 1856

Hobbs NM, 88240

Fax To:

(575) 391-9687

Received:

10/01/2019

Sampling Date:

09/26/2019

Reported:

10/02/2019

Sampling Type:

Soil

Project Name:

PARKWAY DELAWARE UNIT PDU601

Sampling Condition:

Project Number:

NONE GIVEN

Cool & Intact

Sample Received By:

Tamara Oldaker

Project Location:

COLGATE ENERGY - EDDY CO NM

Sample ID: DITCH 15' SOUTH @ 3' (H903346-20)

mg/	kg	Analyzo	ed By: BF					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
<0.050	0.050	10/01/2019	ND	1.95	97.3	2.00	1 38	·
< 0.050	0.050	10/01/2019	ND	1.86	92.8			
<0.050	0.050	10/01/2019	ND	1.84				
<0.150	0.150	10/01/2019	ND					
<0.300	0.300	10/01/2019	ND		33.3	0.00	1.91	
83.9 %	6 73.3-129	9		West			*	
mg/k	(g	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value OC	RPD	Qualifier
3680	16.0	10/02/2019	ND	416	104	267.		Qualifici
mg/k	g	Analyze	d By: MS		101	400	3.//	
Result	Reporting Limit	Analyzed	Method Blank	RS	9/ Dosquen	True Value OC	DDD	Qualifier
				55	70 Recovery	True value Cit	RPD	
<10.0	10.0	10/02/2019	ND		ligis ta — Aese-coloroccide desa ● s		RPD	Qualiner
	10.0 10.0	10/02/2019	ND	188	94.1	200	16.3	Qualiner
<10.0		58-760-76-78-76-76-76-76-76-76-76-76-76-76-76-76-76-			ligis ta — Aese-coloroccide desa ● s			Qualifier
<10.0 482	10.0 10.0	10/02/2019	ND ND	188	94.1	200	16.3	Qualifier
	Result <0.050 <0.050 <0.050 <0.150 <0.300 83.9 % mg/k Result 3680 mg/k	Result Reporting Limit <0.050	Result Reporting Limit Analyzed <0.050	Result Reporting Limit Analyzed Method Blank <0.050	Result Reporting Limit Analyzed Method Blank BS <0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery <0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <0.050

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Celey D. Keene



Analytical Results For:

Phoenix Environmental, LLC

Allen Hodge P.O. Box 1856

Hobbs NM, 88240

Fax To: (575) 391-9687

Received:

10/01/2019

Reported: Project Name:

10/02/2019

PARKWAY DELAWARE UNIT PDU601 NONE GIVEN

Project Number: Project Location:

COLGATE ENERGY - EDDY CO NM

Sampling Date:

Sampling Type:

Sampling Condition:

Sample Received By:

Soil Cool & Intact

Tamara Oldaker

09/26/2019

Sample ID: BACKGROUND 50' WEST (H903346-21)

ACCUSATE TO THE CONTRACT OF TH										
Chloride, SI	M4500CI-B	mg/kg		Analyzed By: AC						
	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride		<16.0	16.0	10/02/2019	ND	416	104	400	3.77	Qualifici

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Notes and Definitions

S-06		The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
QR-03		The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07		The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND		Analyte NOT DETECTED at or above the reporting limit
RPD		Relative Percent Difference
**		Samples not received at proper temperature of 6°C or below.
***		Insufficient time to reach temperature.
.	:	Chloride by SM4500CI-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celeg D. Keene

Refinquished By

Sampler - UPS - Bus - Other: Delivered By: (Circle One)

Observed Temp. °C /0.4 Sample Condition
Corrected Temp. °C /0.4 Sample Condition
No No

CHECKED BY: (Initials) NO.

Turnaround Time:

Standard Rush

Bacteria (only) Sample Condition ~ 10. 8
Cool Intact Observed Temp. °C
Styces Styces
No Corrected Temp. °C

Corrected Temp. °C

ARAY

REMARKS:

EAHOSE @ PROSUCK-ENVIUS

Thermometer ID #97 Correction Factor + 0.4 °C

Time:

Received By:

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 23 of 25 101 East Marland, Hobbs, NM 88240 aboratories

Company Name: かんのというよ (575) 393-2326 FAX (575) 393-2476 Salo: Roware

vide Email address:	MI Results are emailed. Please provide Email address:	M
Add'l Phone #:		N.
	Iffiliates or successors arising out of Cardinal be liable for indeptala or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, Refinquished White performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	filiates or sur
	analyses. A library and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or lort, shall be limited to the amount paid by the client for the species of the sp	inalyses. All c
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		Lab
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	Project Owner: Col	0 0
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	7	Phone
	Company: Pice Company: Pice Company: Pice Company	Addre
ANALYSIS REQUEST	Houge P.O. #	
	Y	D

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Company Name: Phos ನಾಸ್ತ್ರ ಕ್ರಿನಿಸ್ಟ್ ಗೌಸಿಸುಬಲ್ಲಿದ್ದಾರೆ.

aboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

-	† Cardinal cannot accept verbal changes. Please email changes to celev keens@cardinalinates.
Standard Rush	- Other: Corrected Temp. °C -/0.4 Cool Intact (Initials)
Petronomic	emp. °C // Sample Condition
1	Time: REMARKS:
Please provi	in flillation
☐ Yes ☐ No Add'I Phone #:	107-19 Secretarian Dis.
	Relinquished By: Date: Resource Described By: Relinquished By: Resource Described By: Resource Described By: Date: Resource Described By: Reso
	service. In no event shall Cardinal be liable for nedeen or open cause whatspever shall be deemed walved invises made in writing and received by Cardhal within 30 days after completion of the annual paid by the client for the annual paid by the
	PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any plant pricing whether have to
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	Fax #: At LENS
	ナロのラート
	Project Location: 5 Joy 15 LAWRIE U.O.T PULLED State: Zip:
	vner: Cals
	Prince#: 373 311-T053 Fax#: 391-9687 Address:
	State: NM Zip: STR41 Attn:
	ess: 70 69-1556
ANALYSIS REQUEST	P.O.#
1	

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Sampler - UPS - Bus - Other: Delivered By: (Circle One)

Corrected Temp. °C_10.4

Sample Condition
Cool Intact
Cres Gres
No No

CHECKED BY:
(Initials)

Turnaround Time:

Standard Rush

イルギン

Thermometer ID #97 Correction Factor + 0.4 °C

Bacteria (only) Sample Condition - 10, %
Cool Intact Observed Temp. °C

Myes Byes
No No Corrected Temp. °C

Observed Temp. °C

10.8

101 East Marland, Hobbs, NM 88240

aboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326 FAX (575) 393-2476

No Add'i Phone #:	## 9 5 6 0 6 6 2 5 5 A 2 5 A 2 A 2 A 2 A 2 A 2 A 2 A 2	21 Back gil bows 56 Wist The bold organism in libitity and client's exclusive remedy for an institution these for registence and any other cause what soewer shill be liable of implantation or ephrapeural damages, naturally assays arising pedia organism be perforpished at services in the united by the perforpished of the per	EASE NOTE: Liabilitalyses, All claims in or successors shallfalls or successors the felling ujshed
ANALYSIS REQUEST	ROUNDWATER VASTEWATER DIL F	391-9655 391-9655 ARXWAY DELA 1. 2004 CO. 14-12 Hoo	Address: Pocity: Nobes Phone #: 575 Project #: Project Name: Project Locatio Sampler Name: FOR LAB USE ONLY Lab I.D. Lab I.D.

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Second Round Sampling

Lab Analysis

11-5-2019 utilizing a backhoe to define vertical Depth of impact from Spill/Release Samples were taken from 9', 11', 13' and 15' 15' is maximum excavation depth of Backhoe

Results from samples

Vertical depth not found





Analytical Results For:

Phoenix Environmental, LLC Allen Hodge P.O. Box 1856 Hobbs NM, 88240

Fax To:

(575) 391-9687

Received:

11/07/2019

Reported: Project Name: 11/08/2019

PARKWAY DELAWARE UNIT PDU601

Project Number: Project Location:

NONE GIVEN

COLGATE ENERGY - EDDY CO NM

Sampling Date:

Sampling Type:

Sampling Condition: Sample Received By:

Cool & Intact

Soil

Tamara Oldaker

11/06/2019

Sample ID: TEST HOLE # 1 @ 9' (H903800-01)

Chloride, SM4500CI-B

Chloride

Chloride

Chloride

mg/kg

Analyzed By: AC

Analyte

Result 13300

Result

10900

Reporting Limit 16.0

Reporting Limit

16.0

Analyzed

11/08/2019

Analyzed

11/08/2019

Method Blank ND

BS 400

BS

400

% Recovery 100

True Value QC 400

RPD 7.69 Qualifier

Sample ID: TEST HOLE # 1 @ 11' (H903800-02)

Chloride, SM4500CI-B Analyte

Analyzed By: AC

Method Blank

ND

% Recovery

100

100

True Value QC

400

400

RPD Qualifier

7.69

Sample ID: TEST HOLE # 1 @ 13' (H903800-03)

Chloride, SM4500CI-B

Analyzed By: AC

Analyte

Result 9200

Reporting Limit

16.0

Analyzed 11/08/2019 Method Blank ND

BS 400 % Recovery True Value QC

RPD

7.69

RPD

7.69

Qualifier

Sample ID: TEST HOLE # 1 @ 15' (H903800-04)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AC

Analyte Chloride

Result 12900 Reporting Limit 16.0

Analyzed 11/08/2019

Method Blank ND

BS 400

% Recovery 100

True Value QC

400

Qualifier

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Page 2 of 8



Analytical Results For:

Phoenix Environmental, LLC Allen Hodge

P.O. Box 1856 Hobbs NM, 88240

Fax To:

(575) 391-9687

Received: Reported:

11/07/2019

11/08/2019

Project Number: Project Location:

Project Name:

PARKWAY DELAWARE UNIT PDU601

NONE GIVEN

COLGATE ENERGY - EDDY CO NM

Sampling Date:

Sampling Type:

Sampling Condition:

Sample Received By:

11/06/2019 Soil Cool & Intact

Tamara Oldaker

Sample ID: TEST HOLE # 2 @ 7' (H903800-05)

Chloride, SM4500CI-B

Chloride

Chloride

Chloride

mg/kg

Analyzed By: AC

Analyte

Analyte

Analyte

Analyte

Analyte

Result 5360

Result

10500

Result

13900

Reporting Limit 16.0

Reporting Limit

16.0

Reporting Limit

16.0

Analyzed 11/08/2019

Method Blank ND

BS

400

BS

400

BS

400

% Recovery 100

True Value QC 400

RPD

7.69

Qualifier

Sample ID: TEST HOLE # 2 @ 9' (H903800-06)

Chloride, SM4500CI-B

Analyzed

11/08/2019

Analyzed By: AC

Method Blank

ND

% Recovery

100

True Value QC

400

RPD Qualifier

7.69

Sample ID: TEST HOLE # 2 @ 11' (H903800-07)

Chloride, SM4500CI-B

Analyzed By: AC

Analyzed

11/08/2019

Method Blank ND

% Recovery

True Value QC

RPD 7.69

Qualifier

Sample ID: TEST HOLE # 3 @ 7' (H903800-08)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AC

Analyzed

Method Blank

BS

% Recovery 100

% Recovery

100

100

True Value QC

400

RPD Qualifier

Chloride

Chloride

Result 4930

Result

18600

Reporting Limit 16.0

Reporting Limit

16.0

11/08/2019

ND

400

400

7.69

Sample ID: TEST HOLE # 3 @ 9' (H903800-09)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AC

Analyzed

11/08/2019

Method Blank ND

BS 400

True Value QC 400

RPD 7.69

Qualifier

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Celey D. Keene, Lab Director/Quality Manager

Page 3 of 8



Analytical Results For:

Phoenix Environmental, LLC

Allen Hodge P.O. Box 1856

Hobbs NM, 88240

Fax To:

(575) 391-9687

Received: Reported: 11/07/2019

11/08/2019

PARKWAY DELAWARE UNIT PDU601

Project Number:

Project Location:

Project Name:

NONE GIVEN

COLGATE ENERGY - EDDY CO NM

Sampling Date:

Sampling Type:

Sampling Condition:

Soil

Sample Received By:

Cool & Intact Tamara Oldaker

11/06/2019

Sample ID: TEST HOLE # 3 @ 11' (H903800-10)

Chloride, SM4500CI-B

Chloride

Chloride

Chloride

Chloride

Chloride

mg/kg

20000

Result

1780

Analyzed By: AC

Analyte

Result

Reporting Limit 16.0

Reporting Limit

16.0

Analyzed 11/08/2019 Method Blank

ND

BS

400

400

BS

400

% Recovery

100

True Value QC 400

RPD 7.69 Qualifier

Sample ID: TEST HOLE # 4 @ 7' (H903800-11)

Chloride, SM4500CI-B

Analyte

Analyzed By: AC

Method Blank BS

% Recovery

100

True Value QC

400

RPD Qualifier

7.69

7.69

Sample ID: TEST HOLE # 4 @ 9' (H903800-12)

Chloride, SM4500CI-B

Analyzed By: AC

Analyte

Result 3160 Reporting Limit

16.0

Reporting Limit

16.0

Analyzed 11/08/2019

Analyzed

11/08/2019

Method Blank ND

ND

% Recovery

100

100

True Value QC 400

RPD

Qualifier

Sample ID: TEST HOLE # 4 @ 11' (H903800-13)

Chloride, SM4500CI-B

Analyte

mg/kg

Analyzed By: AC

Analyzed

11/08/2019

Method Blank

ND

ND

BS

400

% Recovery True Value QC

RPD 3.92 Qualifier QM-07

Sample ID: TEST HOLE # 5 @ 7' (H903800-14)

Chloride, SM4500CI-B

Analyzed By: AC

Analyte

Result 6400

Result

12600

Reporting Limit Analyzed 16.0 11/08/2019

Method Blank BS 400

% Recovery 100

True Value QC 400

400

RPD 3.92

Qualifier

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Celey D. Keene, Lab Director/Quality Manager

Page 4 of 8



Analytical Results For:

Phoenix Environmental, LLC

Allen Hodge P.O. Box 1856 Hobbs NM, 88240

Fax To:

(575) 391-9687

Received:

11/07/2019

Sampling Date:

11/06/2019

Reported:

11/08/2019

Sampling Type:

Soil

Project Name:

PARKWAY DELAWARE UNIT PDU601

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Tamara Oldaker

Project Location:

COLGATE ENERGY - EDDY CO NM

Sample ID: TEST HOLE # 5 @ 9' (H903800-15)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AC

Analyte

Chloride

Chloride

Chloride

Chloride

Result 29600

Result

17200

Result

14400

Reporting Limit 16.0

Reporting Limit

16.0

Reporting Limit

16.0

Analyzed 11/08/2019

Analyzed

11/08/2019

Analyzed

11/08/2019

Method Blank ND

BS 400

BS

400

BS

400

% Recovery 100

True Value QC

400

RPD

3.92

Qualifier

Sample ID: TEST HOLE # 5 @ 11' (H903800-16)

Chloride, SM4500CI-B

Analyte

Analyzed By: AC

Method Blank

% Recovery

100

True Value QC

RPD Qualifier

400 3.92

Sample ID: TEST HOLE # 6 @ 7' (H903800-17)

Chloride, SM4500CI-B

Analyte

Analyzed By: AC

ND

ND

Method Blank

% Recovery

True Value QC

RPD Qualifier

400

3.92

Sample ID: TEST HOLE # 6 @ 9' (H903800-18)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AC

Analyte

Result 22800

Reporting Limit 16.0

Analyzed 11/08/2019 Method Blank ND

BS

400

% Recovery 100

100

True Value QC **RPD** **Oualifier**

3.92

Sample ID: TEST HOLE # 6 @ 11' (H903800-19)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AC

Analyte Chloride

Result 12800 Reporting Limit Analyzed 16.0 11/08/2019

Method Blank ND

BS 400 % Recovery 100

True Value QC 400

400

RPD

3.92

Qualifier

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Clay to France

Celey D. Keene, Lab Director/Quality Manager

Page 5 of 8



Notes and Definitions

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS QM-07 recovery. ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

Samples not received at proper temperature of 6°C or below.

Insufficient time to reach temperature. ***

Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 7 of 8

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name: りんりをンナ	+ Emilarmenia	ر د د	8/11	ANALYSIS REQUEST
Project Manager: ALLS,			P.O. #:	
Address: Po Box (7866	20	Company: PLOCUCY	
City: 140565	State:ルヘ Zip: *	At 17888	Attn:	Anna (CO) Transaction (CO)
Phone #: 575 - 391-96	85 Fax# 391-	9687 A	Address:	
Project#:	Project Owner: ረ ዕር ሎፐኒ	SNER.	City:	
Project Name: PRKWAY	DALAWARA DAIT	PDU GOL St	State: Zip:	
Project Location: 2007	G. 24	P	١	4188
Sampler Name: A LLCL	1 Hodge	TI CO	Fax #: 146626 C	727
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING	ING

Lab I.D. San	Sample ID.	ROUNDWA ASTEWAT OIL IL LUDGE THER:	CID/BASE: E / COOL THER:	
1 735 104	100 h	×	X 17-6-19	4,00,4
Commence Com	#10/			2:15
(3)	#1@13/			9:30
CONTRACTOR OF THE PROPERTY OF	# 6 15			35.0
5 7257 104	# 2 @ 7'			10:00
The state of the s	THE BRY			10:15
	# Y @ / / /			0:30
F 5704 1521 8	7 92			5:3
	YO 0/			1:00
6	30 11 V	*	*	11:15
THE PART OF THE LIGHTING AND LIGHTING THE CHARGE SHOULD BE ADDRESS. CHARGES ISSUING AND CHERK OF THE ADDRESS. AND CHARGE OF THE LIGHTING AND CHERK OF THE ADDRESS. AND CHARGE OF THE LIGHTING THE CHARGE OF THE CHAR	ability and client's exclusive remedy for any claim aris nd any other cause whatsoever shall be deemed walv ntal or consequental darnages, including without limit	ing whether based in contract or to ved unless made in writing and rece ation, business intermedians, less o	rt, shall be limited to the amount paid aved by Cardinal within 30 days after	y the client for the complete the complete of the complete of the applicable
Relinquished By:	to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise Date: Received Rv.	ved Rv.	sed upon any of the above stated reas	
	1) 5. '6' Lalu	Managed by.	The state of the s	All Results are emailed. Please provide Email address:
Remounshed By:		Received By:		
The state of the s	Time:			ASAP
Delivered By: (Circle One)	Observed Temp. °C _ 8.6	Sample Condition Cool Intact	CHECKED BY:	Turnaround Time: Standard A Bacteria (only) Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. °C - 8: 2	C mi		□ Cool Intact □ Yes □ Yes
L CIVINI-GOO IV 3'C		I		

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Rediriguished By:

Time: 1055

All Results are emailed. Please provide Email address:

Ploraix-SUV, US

REMARKS:

Time: Date

Sampler - UPS - Bus - Other:

Corrected Temp. °C -8.2 Observed Temp, °C _8.6

Cool Intact
Pres Pres

40 (Initials)

Thermometer ID #97 Correction Factor + 0.4 °C

Corrected Temp.

Sample Condition

CHECKED BY:

Turnaround Time:

Standard Rush

Delivered By: (Circle One)

ω

Page 8 of 101 East Marland, Hobbs, NM 88240 aboratories

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Third and Final Round Sampling

Lab Analysis

12-17-2019 utilizing a Drilling Rig to define vertical Depth of impact from Spill/Release Samples were taken from 20', 25', 30', 35' and 40'

Results from samples

Vertical depth found to be below 1,000ppm @ 35'
BGS





Analytical Results For:

Phoenix Environmental, LLC Allen Hodge P.O. Box 1856 Hobbs NM, 88240

Fax To:

(575) 391-9687

Received:

12/27/2019

Reported:

12/30/2019

Project Name:

PARKWAY DELAWARE UNIT PDU601 NONE GIVEN

Project Number:

Project Location:

Sampling Date:

Sampling Type:

Sampling Condition: Sample Received By:

Cool & Intact

12/17/2019

Soil

Jodi Henson

Sample ID: TEST HOLE #1 @ 20' (H904308-01)

Chloride, SM4500CI-B

Chloride

mg/kg

Analyzed By: AC

Analyte

Result 21800 Reporting Limit 16.0

COLGATE ENERGY - EDDY CO NM

Analyzed 12/30/2019

Analyzed

Method Blank ND

BS 432 % Recovery 108

True Value QC

400

RPD 0.00 Qualifier

Sample ID: TEST HOLE #1 @ 25' (H904308-02)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AC

Analyte Chloride

Result 12200

16.0 12/30/2019 Method Blank ND

BS 432 % Recovery 108

True Value QC 400

RPD 0.00

0.00

Qualifier

Sample ID: TEST HOLE #1 @ 30' (H904308-03)

Chloride, SM4500CI-B

Chloride

Analyte

Analyzed By: AC

Result

Reporting Limit 16.0

Reporting Limit

Analyzed 12/30/2019 Method Blank ND

BS

432

% Recovery 108

True Value OC RPD Qualifier

Qualifier

Sample ID: TEST HOLE #1 @ 35' (H904308-04)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AC

Analyte Chloride

Result 864

1380

Reporting Limit 16.0

Analyzed 12/30/2019

Method Blank ND

BS 432 % Recovery 108

True Value QC 400

400

RPD

0.00

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Page 2 of 9



Analytical Results For:

Phoenix Environmental, LLC Allen Hodge

P.O. Box 1856 Hobbs NM, 88240

Fax To:

(575) 391-9687

Received:

12/27/2019

12/30/2019

Sampling Date:

12/17/2019

Reported:

Sampling Type:

Soil

Project Name:

PARKWAY DELAWARE UNIT PDU601

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

COLGATE ENERGY - EDDY CO NM

Sample ID: TEST HOLE #1 @ 40' (H904308-05)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AC

Analyte

Chloride

Chloride

Chloride

Result 112

Result

9600

Result

2080

Reporting Limit 16.0

Analyzed Method Blank

% Recovery 108

True Value QC 400

RPD 0.00

Qualifier

Sample ID: TEST HOLE #2 @ 20' (H904308-06)

Chloride, SM4500CI-B

Analyte

12/30/2019

Analyzed By: AC

Reporting Limit Analyzed Method Blank ND

ND

BS 432

432

BS

432

% Recovery 108

108

True Value OC 400

RPD Qualifier

0.00

Sample ID: TEST HOLE #2 @ 25' (H904308-07)

Chloride, SM4500CI-B

Analyzed By: AC

Analyte

Reporting Limit 16.0

16.0

Analyzed 12/30/2019

12/30/2019

Method Blank ND

BS % Recovery True Value QC

400

RPD

Qualifier

Sample ID: TEST HOLE #2 @ 30' (H904308-08)

Chloride, SM4500CI-B

Analyte

mg/kg

Analyzed By: AC

Method Blank

BS % Recovery True Value QC

RPD

0.00

Qualifier

Chloride

Result 1550

Result

5840

Reporting Limit 16.0

Reporting Limit

16.0

Analyzed 12/30/2019

ND

432

400

0.00

Chloride

Sample ID: TEST HOLE #3 @ 20' (H904308-09)

Analyzed By: AC

108

Chloride, SM4500CI-B

Analyte

Analyzed 12/30/2019

Method Blank

ND

BS 432 % Recovery 108

True Value QC 400

RPD 0.00 Qualifier

Cardinal Laboratories

*=Accredited Analyte

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Clay to have

Celey D. Keene, Lab Director/Quality Manager

Page 3 of 9



Analytical Results For:

Phoenix Environmental, LLC

Allen Hodge P.O. Box 1856 Hobbs NM, 88240

Fax To:

(575) 391-9687

Received:

12/27/2019

Sampling Date:

12/17/2019

Reported:

12/30/2019

Sampling Type:

Soil

Project Name:

PARKWAY DELAWARE UNIT PDU601

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

COLGATE ENERGY - EDDY CO NM

Sample ID: TEST HOLE #3 @ 25' (H904308-10)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AC

Analyte

Result

Reporting Limit

Analyzed Method Blank

% Recovery

True Value QC

Qualifier

RPD

0.00

0.00

Chloride

5440

16.0

Reporting Limit

12/30/2019

Analyzed

ND

432

BS

108

400

Sample ID: TEST HOLE #3 @ 30' (H904308-11)

Chloride, SM4500CI-B

Analyte

Analyte

Analyte

Analyte

Analyzed By: AC

% Recovery

108

True Value QC

Chloride

Result 1630

16.0 12/30/2019 Method Blank ND

BS 432

400

RPD Qualifier

Sample ID: TEST HOLE #4 @ 20' (H904308-12)

Chloride, SM4500CI-B

Analyzed By: AC

% Recovery

True Value QC

Qualifier

Chloride

Result 13800

16.0

Reporting Limit

Analyzed 12/30/2019

Method Blank ND

432 108 400

RPD

0.00

Sample ID: TEST HOLE #4 @ 25' (H904308-13)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AC

Method Blank

BS % Recovery

True Value QC

RPD

Chloride

Chloride

Result 11200 Reporting Limit 16.0

Analyzed 12/30/2019

ND

432

BS

108

400 0.00 Qualifier QM-07

Sample ID: TEST HOLE #4 @ 30' (H904308-14)

Chloride, SM4500CI-B

Analyzed By: AC

Result 10200 Reporting Limit 16.0

Analyzed 12/30/2019 Method Blank ND

BS 432 % Recovery 108

True Value OC 400

RPD 0.00 Qualifier

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Celez Drene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Phoenix Environmental, LLC

Allen Hodge P.O. Box 1856

Hobbs NM, 88240

Fax To:

(575) 391-9687

Received:

12/27/2019

Sampling Date:

12/17/2019

Reported:

12/30/2019

Sampling Type:

Soil

Project Name:

PARKWAY DELAWARE UNIT PDU601

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

COLGATE ENERGY - EDDY CO NM

Sample ID: TEST HOLE #5 @ 20' (H904308-15)

Chloride,	SM4500CI-B
	5111500CI B

mg/kg

Analyzed By: AC

Analyte

Result 6560 Reporting Limit 16.0

Reporting Limit

Reporting Limit

16.0

Reporting Limit

16.0

Analyzed 12/30/2019 Method Blank ND

BS % Recovery

432

BS

BS

BS

432

True Value QC

RPD

0.00

Qualifier

Sample ID: TEST HOLE #5 @ 25' (H904308-16)

Chloride, SM4500CI-B

Analyte

mg/kg

Analyzed By: AC

Analyzed

108

108

400

Chloride

Chloride

Result 2120

16.0 12/30/2019 Method Blank ND

% Recovery 432

True Value QC 400

RPD Qualifier 0.00

Sample ID: TEST HOLE #5 @ 30' (H904308-17)

Chloride, SM4500CI-B

Analyte

Analyzed By: AC

Analyzed

Method Blank

ND

% Recovery

True Value QC

Qualifier

Chloride

Chloride

Chloride

Result 5680

16.0 12/30/2019

ND

432 108 400

RPD

0.00

0.00

Sample ID: TEST HOLE #6 @ 20' (H904308-18)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AC

Analyte

Result 7730

Reporting Limit

Analyzed

12/30/2019

Method Blank

% Recovery

108

108

True Value QC

400

400

RPD

Qualifier

Sample ID: TEST HOLE #6 @ 25' (H904308-19)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AC

Analyte

Result

13200

Analyzed 12/30/2019

Method Blank

ND

BS 432 % Recovery True Value QC **RPD**

0.00

Qualifier

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Clay to trans

Celey D. Keene, Lab Director/Quality Manager

Page 5 of 9



Analytical Results For:

Phoenix Environmental, LLC

Allen Hodge P.O. Box 1856 Hobbs NM, 88240

Fax To:

(575) 391-9687

Received:

12/27/2019

Sampling Date:

12/17/2019

Reported:

12/30/2019

Sampling Type:

Soil

Project Name:

PARKWAY DELAWARE UNIT PDU601

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

COLGATE ENERGY - EDDY CO NM

Sample ID: TEST HOLE #6 @ 30' (H904308-20) Chloride, SM4500Cl-B mg/kg

Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2800	16.0	12/30/2019	ND	432	108	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS QM-07 recovery. Analyte NOT DETECTED at or above the reporting limit ND RPD Relative Percent Difference Samples not received at proper temperature of 6°C or below. Insufficient time to reach temperature. Chloride by SM4500CI-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL
Laboratories

101 East Marland, Hobbs, NM 88240

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

3	P.O. #:		יומוס אבעטבטו
:886	Company:		
City: 140565	State: ベル Zip: ペリスチ Attn:		
Phone #: 575-391-9685	680		
Project #:			
き大いる	**	Zio:	
Project Location: 2001 (C	Phone #	1/88-1/89	
Sampler Name: Allen 14	Commercial States		
Carlo and the ca	MATRIX	SA	***************************************
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Lab I.D. Sample I.D.	OR (C AINER DWAT WATE		
1904308		C	
17957 65# 1	G V V C S O S O A A S IC		
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		9.150	ALTERNATION OF THE PROPERTY OF
<u> </u>			
P 122 197 1931 0	(P) 20/	0.30	
		25° 9	AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
		11.00	
10 - XX - 3 6	7.6		
SE NOTE: Libbilty and Damages. Cardinal's liability and clearts. es. All claims including those for negligence and any other causs	PLEASE NOTE: Lability and Danagus. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or but, shall be finished to the amount paid by the client for the remedy for any claim arising whether based in contract or but, shall be finished to the amount paid by the client for the	amount paid by the client to the	The second secon
affidies or successors which out of physiated to applicate or consequent affidies or successors which out of physiated to appreciate out of physiated to appreciate out of physiated to applications of several control of the control	Tender of the second state Continual be liable for projected or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incured by client, as subsidiaries, afficient out of great and the project of the second of the	via days after completion of the applicable involved by client, is subskillarige, via stated teacons or crishouses.	
	Hecewed By:	Verbal Result: Yes	Me #
Rélinquished By:		EA 1408 (Plase provide Email address:	ill address:
	Time:		
Delivered By: (Circle One) Obser		H>RF	
To The second se	Coc	Turnaround Time: Standard	Y (8
		[]m8	☐Yes☐Yes Observed lemp. "C

Reffirquished By:

, or loss of profits incurred by client, its subsidiaries

Verbal Result:

□ Yes

☐ No Add'l Phone #:

All Results are emailed. Please provide Email address:

Harbs @

10801 X-801.05

Date: Time:

Received By:

REMARKS

Sampler - UPS - Bus - Other: Delivered By: (Circle One)

Observed Temp. "CD./6 Corrected Temp. °C

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Malle, MANAGE ZWI BONK WAL	きたにて	O1 778		ANALYSIS REQUEST
Project Manager: Allan Hados		P.O. #:		
Address: PO 80x 1956	Annual Comment of the	Company: Fire wix	×	
City: 146655 State: NA	State: NA Zip: 88241		2	
Phone #: 57391-9685 Fax #: 39	Fax#: 391-9687	Address:	ECHA CAMBRANA AND RULLOA ACCIDENCE OF THE THE	
Project #: Project Own	ぎってるエア	City:		
Project Name: FALKINAY DYAWARE UNIT POU & 601		State: Zip:	nd 10 in manage of the State of Contract of the State of Contract	
Project Location: Eddy CO. Na.		Phone #: 631-8314	7	
Sampler Name: Allan Kolos		Fax #・グンパッノベ ハ	727	
FOR LABUSE ONLY	MATRIX		SAMPLING	
Lab I.D. Sample I.D.	AB OR (C)OMP. NTAINERS UNDWATER EWATER	BASE: COOL		
H904308	# CO GROI	ACID/ ICE // OTHE	Ħ	
188)	X	× 2-7-4	X 00.76	
1337 10157			7.20	
13 BAB 81			たが	
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151/457/018 #5@ 20'			i di	The second secon
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17 #5@ 30'			بر ج ج	
18 1257 Lote # 6 20'			250	
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10 H 6@ 30'	\{\}		A 80.6	
PLEASE NOTE: (solidly and Damages, Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the	my claim arising whether based in contract o			

Thermometer ID #97 Correction Factor + 0.4 °C

Turnaround Time:

Standard A

Bacteria (only) Sample Condition
Cool Intact Observed Temp. °C
Ves Yes
No No Corrected Temp. °C

Corrected Temp. °C