

February 15, 2023

Mr. Allan Batka
United States Environmental Protection Agency
Region 5 (WU-16J)
77 West Jackson Blvd.
Chicago, IL 60604

Re: RIES Monthly Report

Dear Mr. Batka:

Republic Industrial and Energy Solutions, LLC (RIES) hereby submits the Hundred and Seventh Monthly Report ("MR") in conformance with the requirements of its two EPA UIC permits (#s MI-163-1W-C010 & MI-163-1W-C011). RIES is providing all the attached information in the same sequence as required by both subject permits, i.e. Part II. D.1 (a-i), Part III, Attachment A, and Part III, Attachment E.G.2 & E.I.

RIES accepted F039 waste in December of 2022 so as stated on page A-3 of RIES's two EPA UIC permits an analysis is required and is included in this report. Samples were received by the third-party laboratory on January 3rd, 2023. Analyses were not received by RIES until February 13th, 2023. This report is submitted as timely as possible upon receipt of the F039 analyses by RIES.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my supervision and interaction with the persons who manage and operate the system, and those persons responsible for the collection of the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

We trust that you find this report satisfactory, however, if you have any questions or comments, please feel free to contact us.

John Frost

Sincerely

cc: Rick Sauve (Republic Services)

AVERAGE INJECTION RATE

Calculation of Average Injection Rate

CURRENT REPORTING YEAR	2022
CURRENT REPORTING MONTH	December
Date (month, year) of the first injecti	on into either well at the Citrin Road Facility
November 2013	

CURRENT MONTH (all volumes in gallons)

	Injected Waste	Injected Non-Waste	Total injected				
MI	-163-1W-C010 , v	Well #1-12					
Current Month	434,008	0	434,008				
Since facility first injected			50,759,040				
MI	(-163-1W-C011, v	Vell #2-12					
Current Month	515,856	0	515,856				
Since facility first injected			30,877,403				
		Lifetime Combined	81,636,443				

365.25 days per year ÷ 12 months per year = 30.4375 days per month 30.4375 days per month × 1440 minutes per day = 43,830 minutes per month Calculations Whole number of months of injection 108 108 lifetime number of months of injection × 43,830 minutes/month = $\frac{4,733,640}{4,733,640}$ minutes of injection Lifetime combined injected volume $\frac{81,636,443}{4,733,640}$ gpm average injection rate

Conversion factors

WELL 1 DATA



	essure (psig)	Max	752.7	773.1	743.7	749.9	773.1	748.5	769.0	752.2	759.1	819.9	753.6	769.7	728.6	722.8	724.2	718.1	700.1	697.7	707.4	863.5	866.2	825.9	854.2	845.9	850.5	850.7	872.0	799.5	784.5	782.8	797.8
	Differential Pressure (psig)	Min	194.5	172.0	669.5	743.1	151.1	215.4	167.2	618.6	751.5	163.7	734.5	163.4	192.6	200.3	205.9	174.7	163.9	675.8	150.2	333.5	278.0	253.0	263.7	713.4	844.3	848.4	216.9	242.4	238.3	192.1	739.3
	e (gpm)	Max	40.8	40.2	0.0	0.0	40.1	39.8	39.7	0.0	0.0	39.7	0.0	39.6	39.9	40.5	40.8	40.2	51.8	0.0	49.4	39.5	40.3	40.9	38.9	0.0	0.0	0.0	38.8	39.3	39.4	39.6	0.0
	Flow Rate (gpm)	Min	0.0	0.0	0.0	0.0	0:0	0.0	0.0	0.0	0.0	0.0	0:0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Injection pH	Max	8.3	8.1	6.7	7.8	8.7	8.1	9.2	8.0	7.8	8.4	7.1	8.6	8.8	8.4	8.3	8.4	9.3	7.2	8.4	10.2	8.0	7.9	8.7	7.7	7.4	7.3	8.3	8.4	8.1	7.8	7.4
ber 2022	Injecti	Win	5.6	4.0	8.7	7.6	6.0	5.7	6.3	7.8	7.7	6.9	7.1	6.9	7.1	6.5	6.8	6.2	9.4	6.7	2.0	4.6	3.3	4.3	5.8	7.4	7.3	7.3	7.0	6.9	6.8	6.8	7.3
Injection Well 1, December 2022	Annulus Pressure (psig)	Max	1217.0	1202.8	877.9	878.9	1,154.6	1,174.9	1,154.8	866.3	852.5	1,140.8	843.9	1,137.3	1,143.2	1,150.8	1,161.0	1,154.6	1,136.3	834.0	1,341.3	1,305.9	1,292.7	1,251.6	1,243.0	992.0	958.9	926.6	1232.2	1209.8	1203.8	1193.8	906.2
Injection	Annulus Pre	Min	859.0	843.0	842.2	877.4	876.5	841.3	846.0	828.6	850.1	817.3	832.0	842.4	824.6	824.4	824.8	825.3	791.8	821.1	832.7	970.5	978.3	947.5	934.7	942.9	955.6	950.6	949.0	892.2	894.6	9:898	9.898
	Annulus Tank Level (inch)	Max	23.6	23.6	23.7	23.6	23.6	23.7	23.7	23.7	23.6	23.5	23.5	23.6	23.6	23.6	23.6	23.6	23.6	23.5	23.5	22.8	22.8	22.8	22.8	22.6	22.6	22.6	22.7	22.8	22.9	22.9	22.9
	Annulus Tan	Min	23.6	23.5	23.5	23.5	23.5	23.6	23.6	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.4	22.0	22.7	22.7	22.7	22.6	22.6	22.6	22.6	22.6	22.7	22.7	22.9	22.8
	Injection Pressure (psig)	Max	940.1	940.4	173.8	134.4	939.7	941.8	940.2	247.4	98.6	942.2	97.6	940.5	940.5	941.9	939.8	940.1	941.0	145.4	941.1	940.4	940.0	940.5	941.1	278.1	113.2	106.7	939.7	940.2	940.2	940.1	129.7
	Injection Pr	Min	99.5	102.0	134.1	128.2	101.5	99.9	92.3	98.3	92.7	30.1	90.1	66.1	107.8	100.3	100.9	103.7	123.2	136.1	130.3	114.6	107.2	127.9	82.4	112.2	106.3	101.9	93.1	102.4	113.0	112.1	108.2
			12/1/2022	12/2/2022	12/3/2022	12/4/2022	12/5/2022	12/6/2022	12/7/2022	12/8/2022	12/9/2022	12/10/2022	12/11/2022	12/12/2022	12/13/2022	12/14/2022	12/15/2022	12/16/2022	12/17/2022	12/18/2022	12/19/2022	12/20/2022	12/21/2022	12/22/2022	12/23/2022	12/24/2022	12/25/2022	12/26/2022	12/27/2022	12/28/2022	12/29/2022	12/30/2022	12/31/2022
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Circle Chart Index

Environmental Geo-Technologies, LLC 28470 Citrin Drive Romulus, MI 48174

Chart Recorder #1

Channel #1

Blue Pen - Well 1 Injection Pressure (chart value x 30)

Channel #2

Red Pen – Well 1 Annulus Pressure (chart value x 30)

Channel #3

Green Pen - Well 1 Flow Rate (chart value x 4)

Channel #4

Black Pen - Well 1 Annulus Tank Level (chart value x 0)

Chart Recorder #2

Channel #1

Blue Pen - Well 2 Injection Pressure (chart value x 30)

Channel #2

Red Pen – Well 2 Annulus Pressure (chart value x 30)

Channel #3

Green Pen - Well 2 Flow Rate (chart value x 4)

Channel #4

Black Pen - Well 2 Annulus Tank Level (chart value x 0)

Chart Recorder #3

Channel #1

Blue Pen - Injection pH Well 1 & 2 (chart value + 3.3)

Channel #2

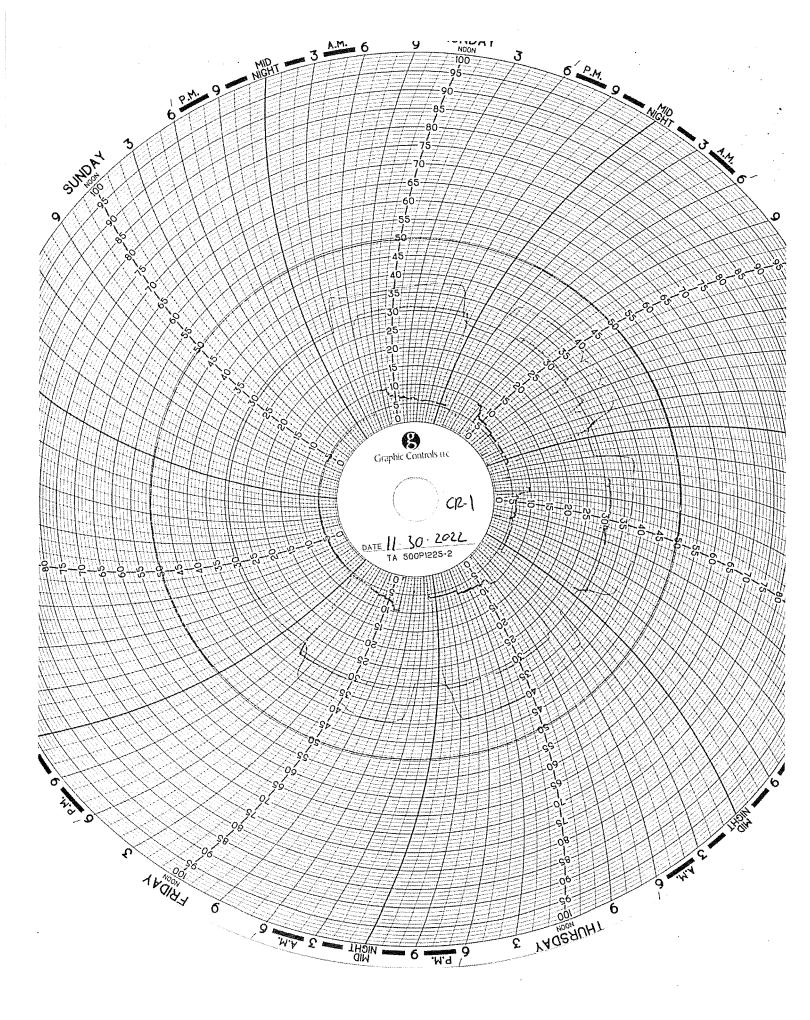
Red Pen - Well 1 Monthly Volume (chart value x 100,000)

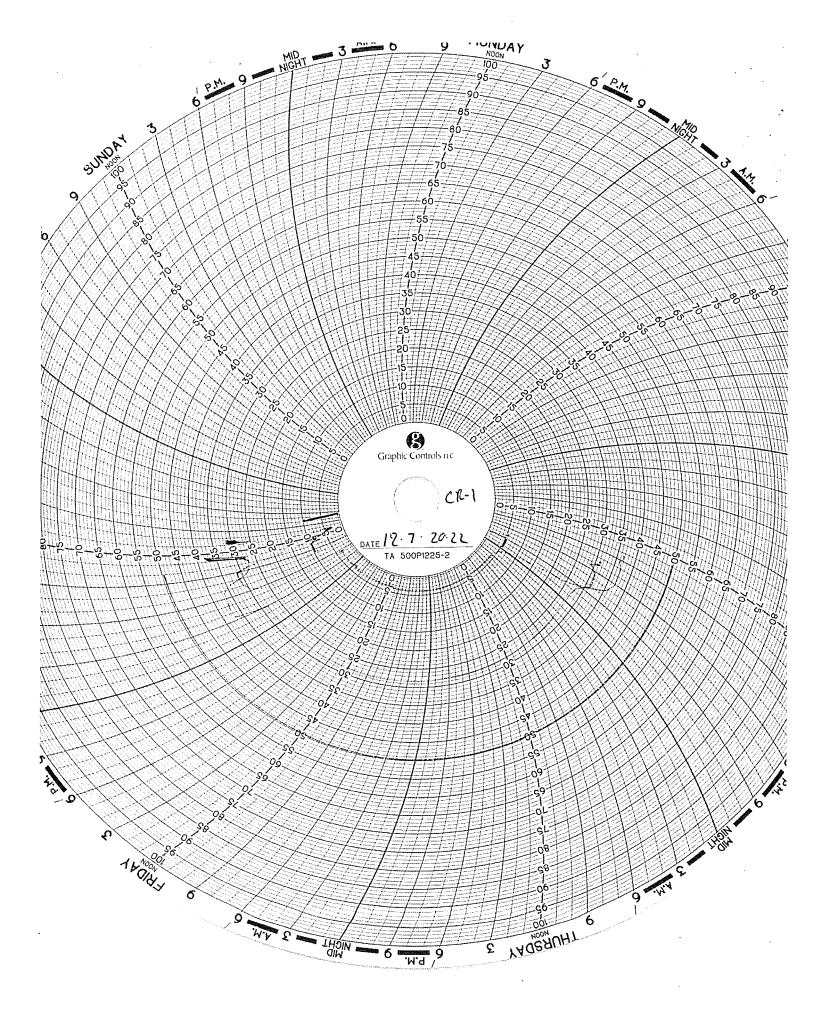
Channel #3

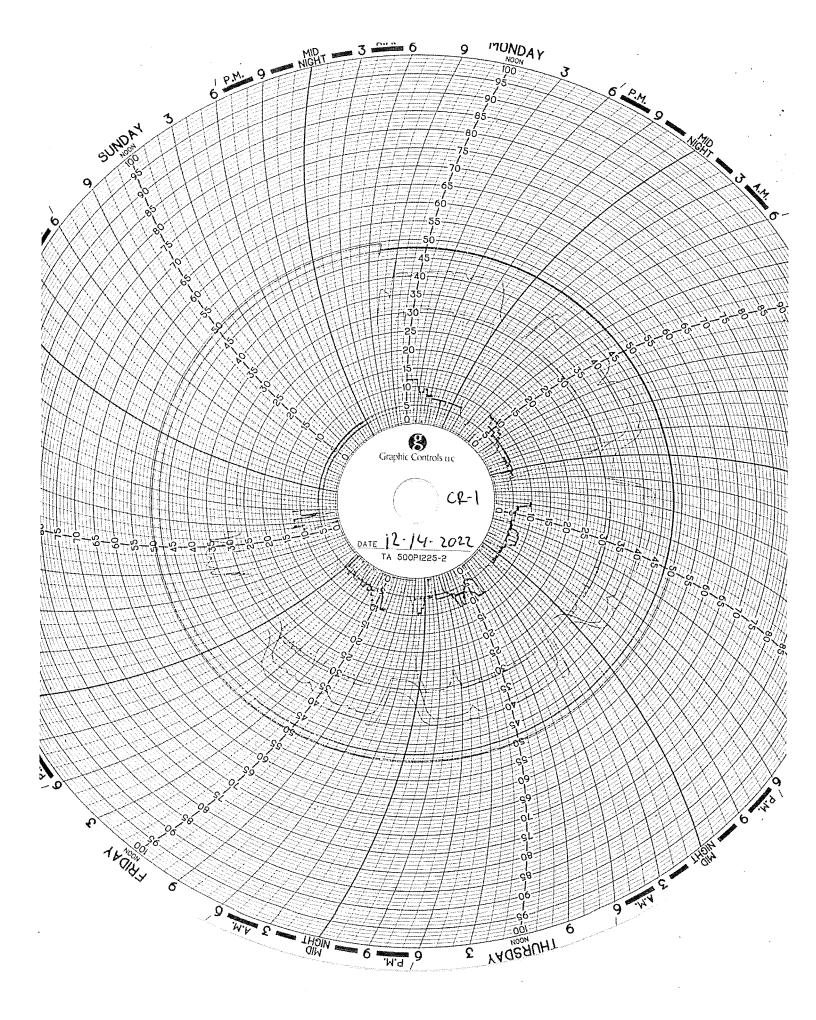
Green Pen - Well 2 Monthly Volume (chart value x 100,000)

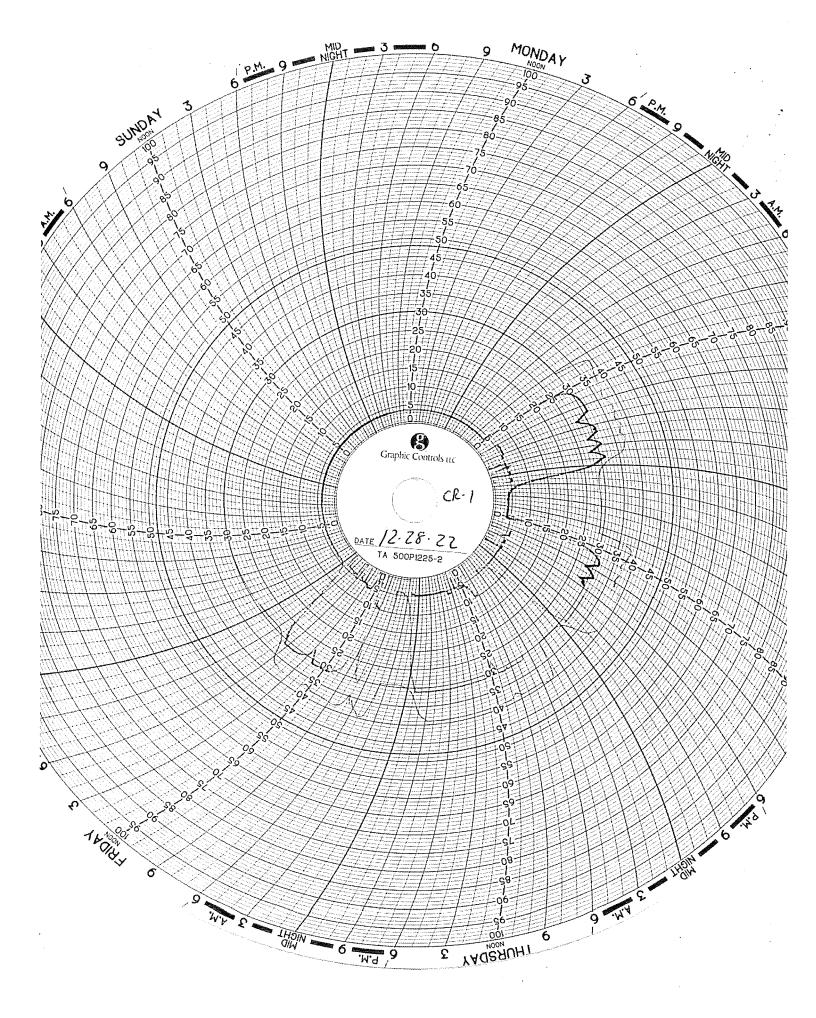
Channel #4

Black Pen – Temperature (chart value x 0)









WELL 2 DATA



					Injection	Injection Well 2, December 2022	er 2022					
	Injection Pressure (psig)	ssure (psig)	Annulus Tank Level (inch)	Level (inch)	Annulus Pressure (psig)	ssure (psig)	Injection pH	on pH	Flow Rate (gpm)	te (gpm)	Differential Pressure (psig)	essure (psig)
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
12/1/2022	133.7	940.2	31.3	31.4	902.4	1264.3	5.6	8.3	0.0	43.7	231.5	776.6
12/2/2022	134.2	946.5	31.3	31.4	886.7	1253.3	4.0	8.1	0.0	43.2	215.2	7.967
12/3/2022	140.9	194.4	31.3	31.4	886.4	933.2	7.8	7.9	0.0	0.0	692.4	792.2
12/4/2022	130.1	141.4	31.2	31.3	932.9	936.9	9.2	7.8	0.0	0.0	791.6	806.4
12/5/2022	113.6	940.1	31.2	31.4	936.4	1,212.4	6.0	8.7	0.0	43.9	198.0	825.9
12/6/2022	123.8	945.6	31.4	31.4	899.1	1,232.5	5.7	8.1	0.0	43.7	272.5	781.0
12/7/2022	136.5	945.3	31.4	31.4	906.2	1,204.2	6.3	9.2	0.0	43.3	220.8	774.6
12/8/2022	103.7	293.5	31.3	31.4	887.7	936.4	7.8	8.0	0.0	0.0	642.8	812.6
12/9/2022	94.5	104.0	31.3	31.3	916.1	921.3	7.7	7.8	0.0	0.0	812.1	826.6
12/10/2022	85.5	941.0	31.2	31.3	877.6	1,189.7	6.9	8.4	0.0	54.9	222.5	838.1
12/11/2022	90.0	101.3	31.3	31.3	901.2	919.5	7.1	7.1	0.0	0.0	799.9	829.2
12/12/2022	87.2	941.7	31.3	31.3	918.9	1,212.4	6.9	8.6	0.0	46.6	246.1	831.9
12/13/2022	125.2	941.4	31.3	31.3	899.1	1,221.8	7.1	8.7	0.0	44.9	266.5	777.3
12/14/2022	133.8	945.3	31.3	31.3	903.5	1,230.5	6.5	8.4	0.0	43.5	276.2	772.4
12/15/2022	127.3	939.7	31.3	31.4	906.3	1,240.3	6.8	8.3	0.0	44.4	285.5	780.3
12/16/2022	129.9	944.1	31.3	31.4	909.7	1,235.3	6.2	8.4	0.0	44.1	247.8	781.8
12/17/2022	135.1	932.2	31.3	31.4	853.8	1,199.3	0.4	9.3	0.0	56.7	249.6	774.2
12/18/2022	138.8	154.2	31.2	31.3	904.9	920.7	6.7	7.2	0.0	0.0	750.9	781.8
12/19/2022	135.5	944.1	31.2	31.2	920.2	1,185.5	2.0	8.4	0.0	51.5	201.8	785.9
12/20/2022	138.6	949.4	31.2	31.3	882.4	1,219.7	4.6	10.2	0.0	41.4	243.4	754.1
12/21/2022	135.7	944.9	31.2	31.3	895.6	1,197.0	3.3	8.0	0.0	42.2	193.3	762.8
12/22/2022	150.1	951.6	31.2	31.3	869.0	1,159.4	4.3	6.7	0.0	42.0	170.0	723.3
12/23/2022	104.3	947.2	31.1	31.3	861.5	1,165.2	5.8	8.7	0.0	40.4	182.9	756.8
12/24/2022	117.8	337.6	31.0	31.1	874.8	939.5	7.4	L'.L	0.0	0:0	602.2	780.0
12/25/2022	108.1	118.4	31.0	31.0	897.4	903.6	7.3	7.4	0.0	0.0	779.3	795.4
12/26/2022	102.2	108.7	31.0	31.1	903.1	905.9	7.3	7.3	0.0	0.0	794.4	803.6
12/27/2022	86.9	947.6	31.0	31.2	905.2	1165.5	6.8	8.3	0.0	41.5	155.0	821.6
12/28/2022	128.3	941.2	31.2	31.3	856.3	1149.1	6.9	8.4	0.0	40.7	193.1	737.2
12/29/2022	134.1	948.3	31.3	31.4	860.0	1148.1	6.8	8.1	0.0	41.1	187.0	729.0
12/30/2022	139.2	944.3	30.6	31.5	858.3	1273.9	6.8	7.8	0.0	41.3	146.0	751.9
12/31/2022	116.0	317.1	30.6	30.7	1021.2	1069.1	7.3	7.4	0.0	0.0	752.0	950.2

Circle Chart Index

Environmental Geo-Technologies, LLC 28470 Citrin Drive Romulus, MI 48174

Chart Recorder #1

Channel #1

Blue Pen - Well 1 Injection Pressure (chart value x 30)

Channel #2

Red Pen - Well 1 Annulus Pressure (chart value x 30)

Channel #3

Green Pen – Well 1 Flow Rate (chart value x 4)

Channel #4

Black Pen - Well 1 Annulus Tank Level (chart value x 0)

Chart Recorder #2

Channel #1

Blue Pen - Well 2 Injection Pressure (chart value x 30)

Channel #2

Red Pen - Well 2 Annulus Pressure (chart value x 30)

Channel #3

Green Pen - Well 2 Flow Rate (chart value x 4)

Channel #4

Black Pen - Well 2 Annulus Tank Level (chart value x 0)

Chart Recorder #3

Channel #1

Blue Pen - Injection pH Well 1 & 2 (chart value + 3.3)

Channel #2

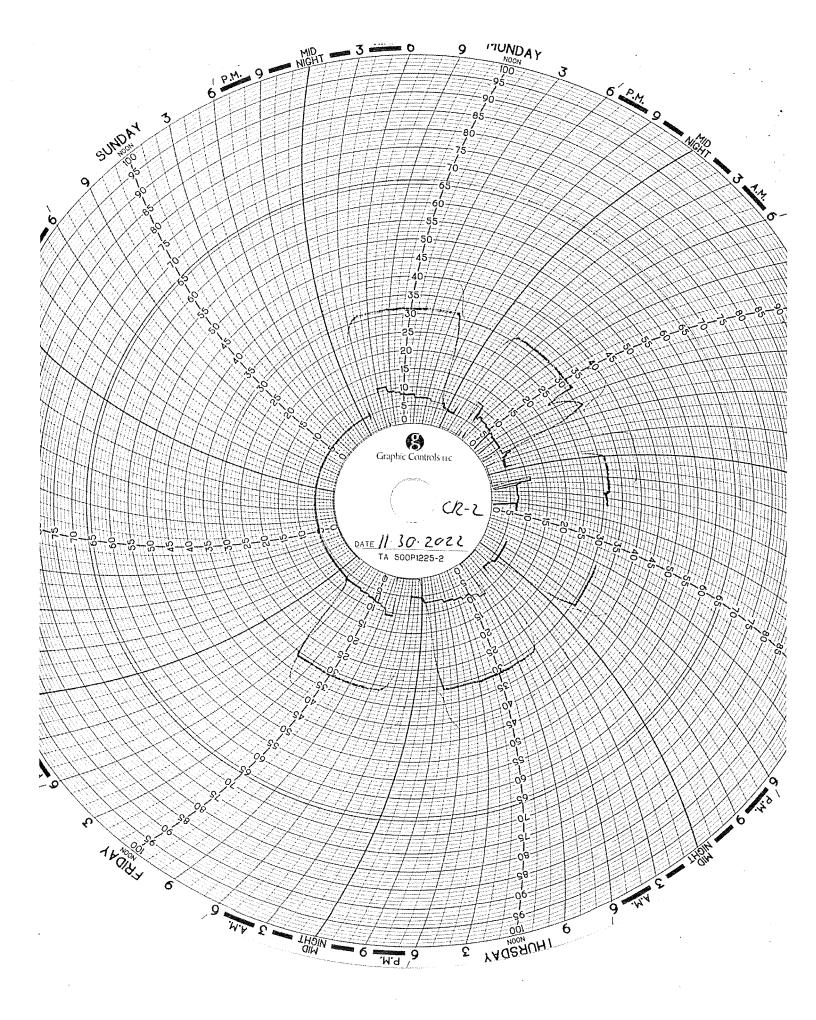
Red Pen – Well 1 Monthly Volume (chart value x 100,000)

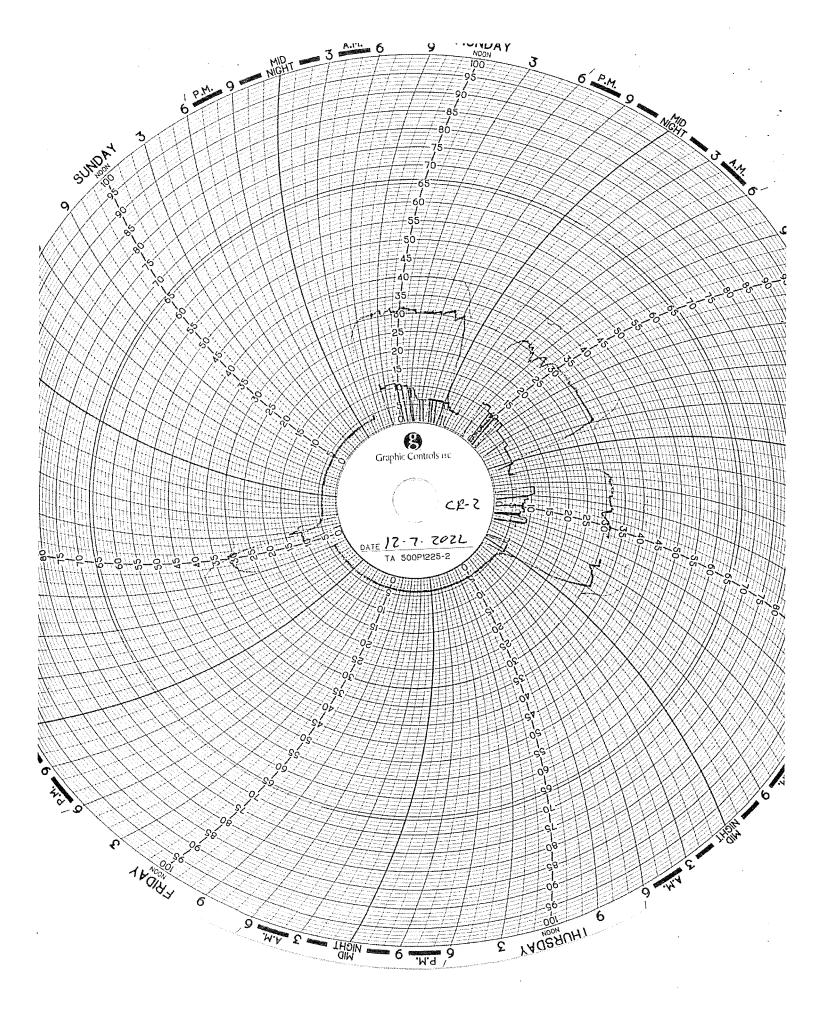
Channel #3

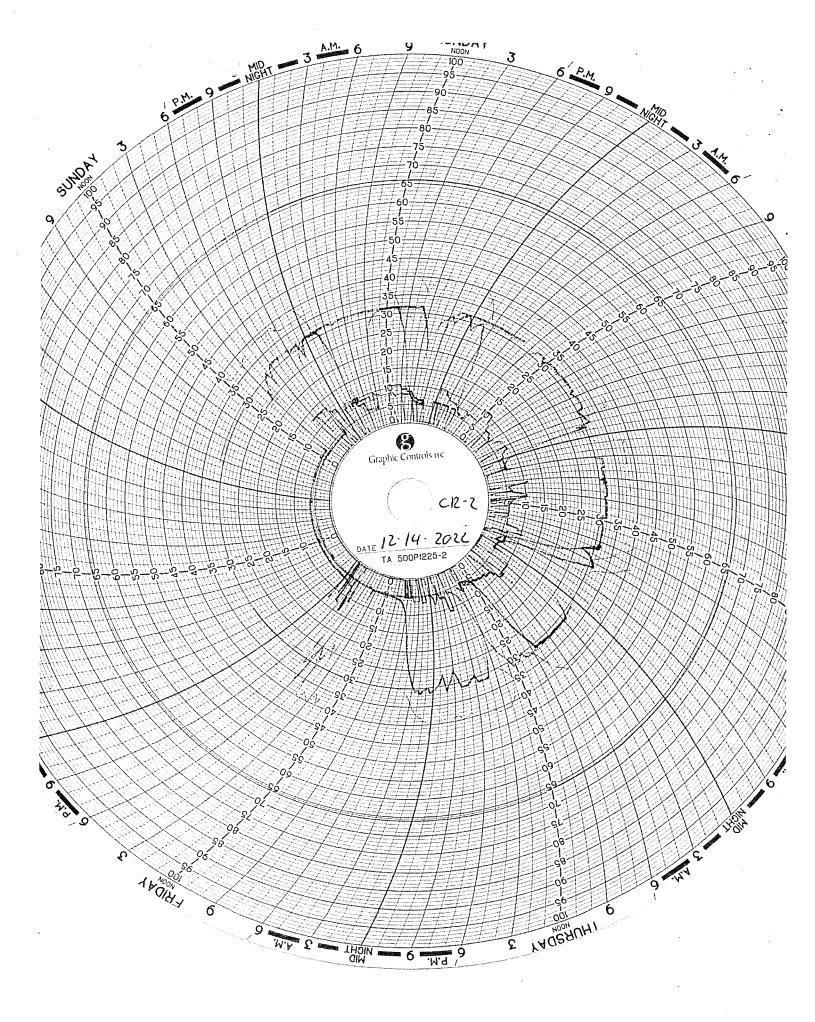
Green Pen - Well 2 Monthly Volume (chart value x 100,000)

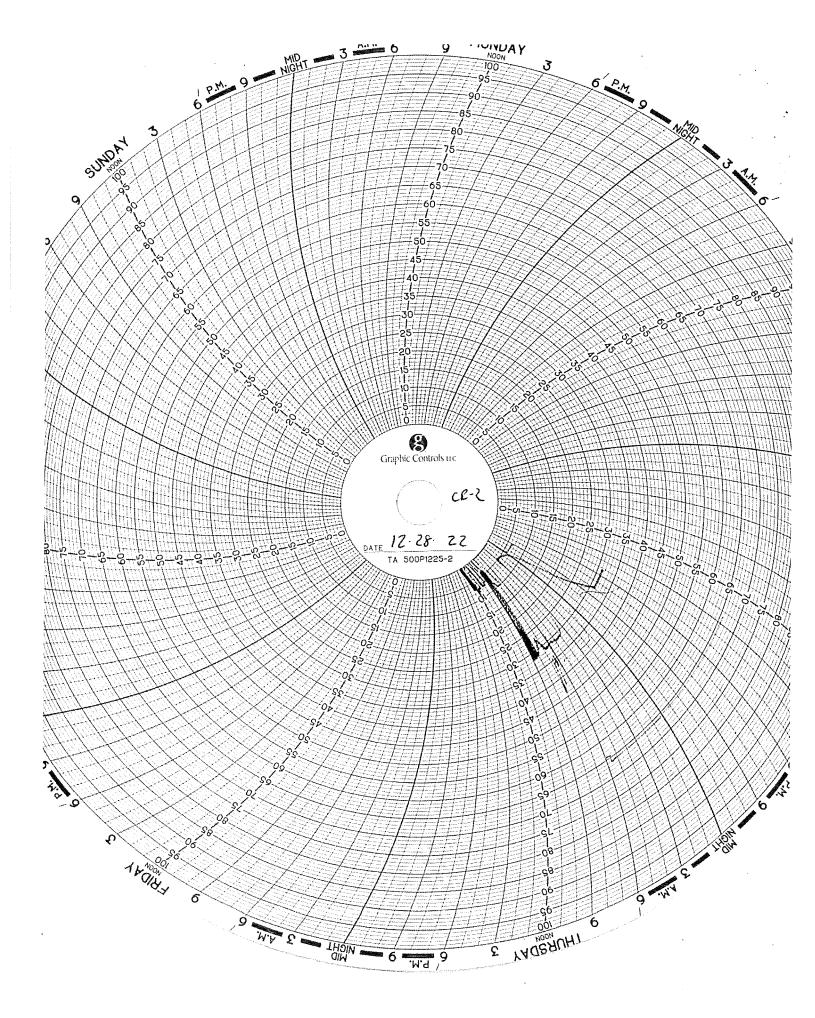
Channel #4

Black Pen - Temperature (chart value x 0)









Circle Chart Index

Environmental Geo-Technologies, LLC 28470 Citrin Drive Romulus, MI 48174

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Blue Pen - Well 1 Injection Pressure (chart value x 30)

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Chart Recorder #2

Channel #1

Blue Pen - Well 2 Injection Pressure (chart value x 30)

Channel #2

Red Pen - Well 2 Annulus Pressure (chart value x 30)

Channel #3

Green Pen - Well 2 Flow Rate (chart value x 4)

Channel #4

Black Pen - Well 2 Annulus Tank Level (chart value x 0)

Chart Recorder #3

Channel #1

Blue Pen - Injection pH Well 1 & 2 (chart value + 3.3)

Channel #2

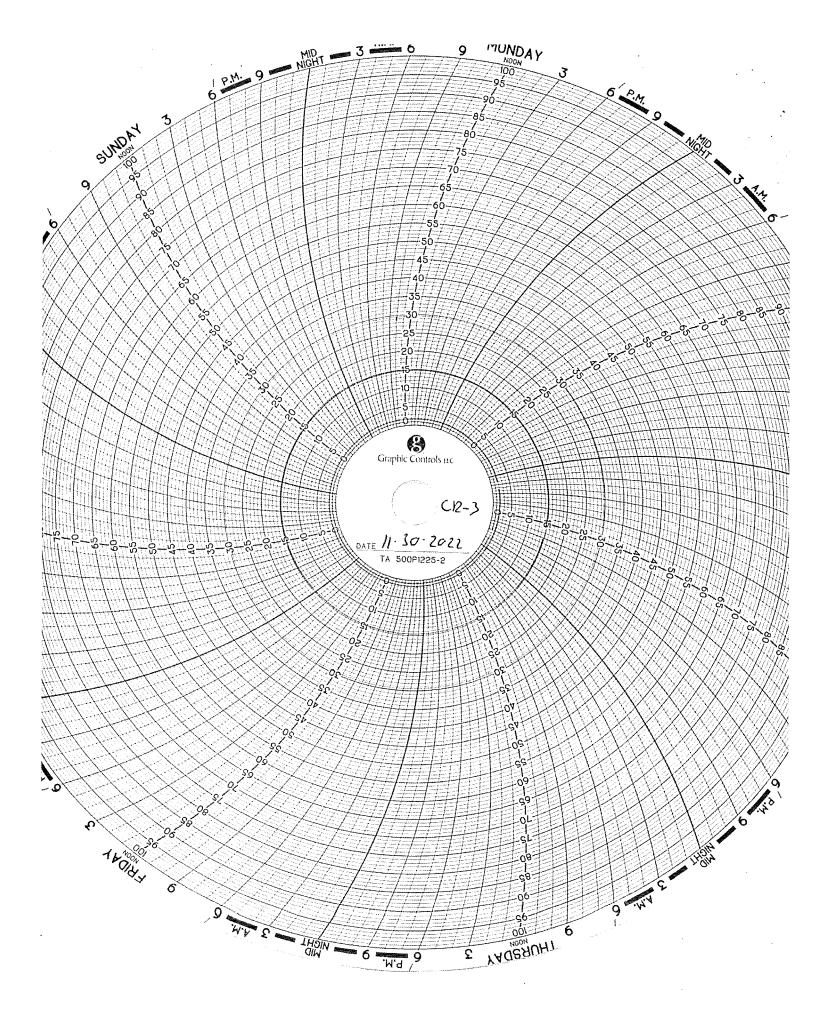
Red Pen - Well 1 Monthly Volume (chart value x 100,000)

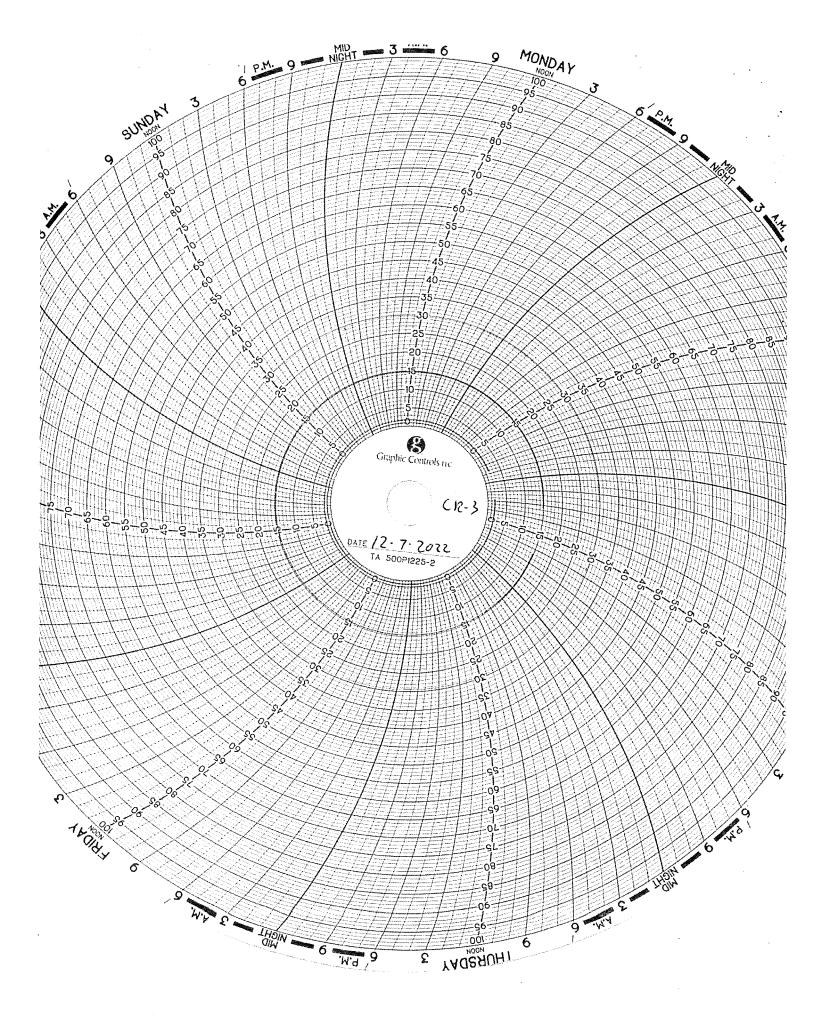
Channel #3

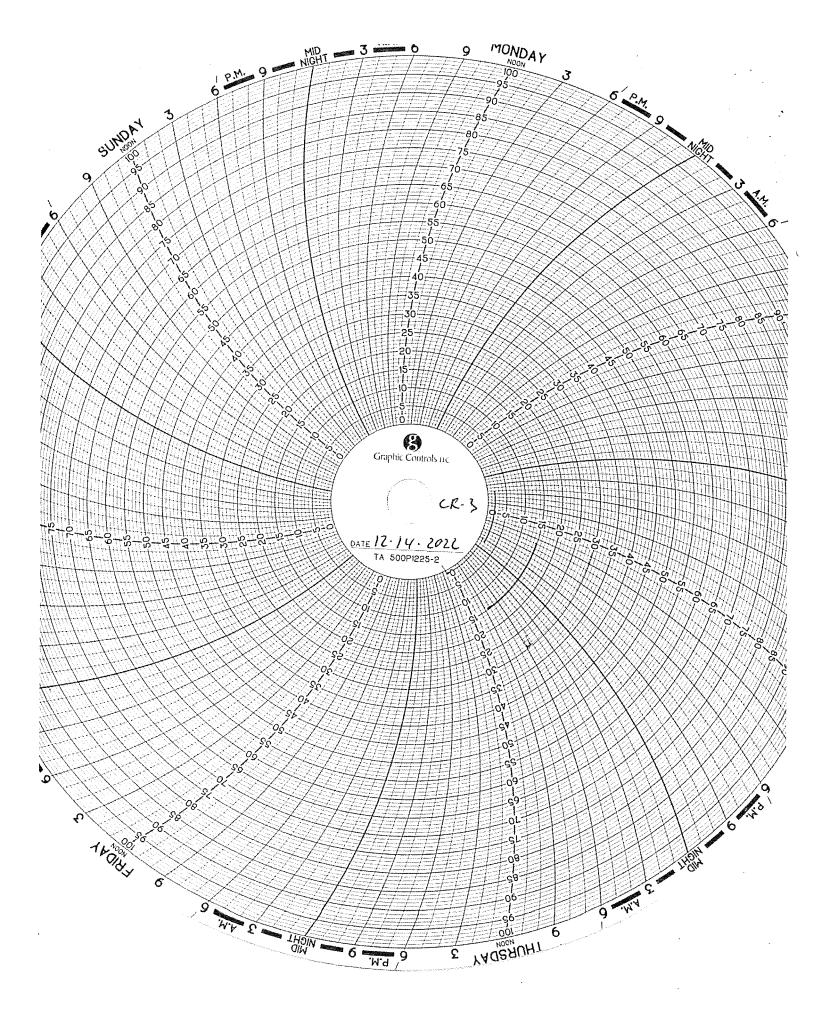
Green Pen - Well 2 Monthly Volume (chart value x 100,000)

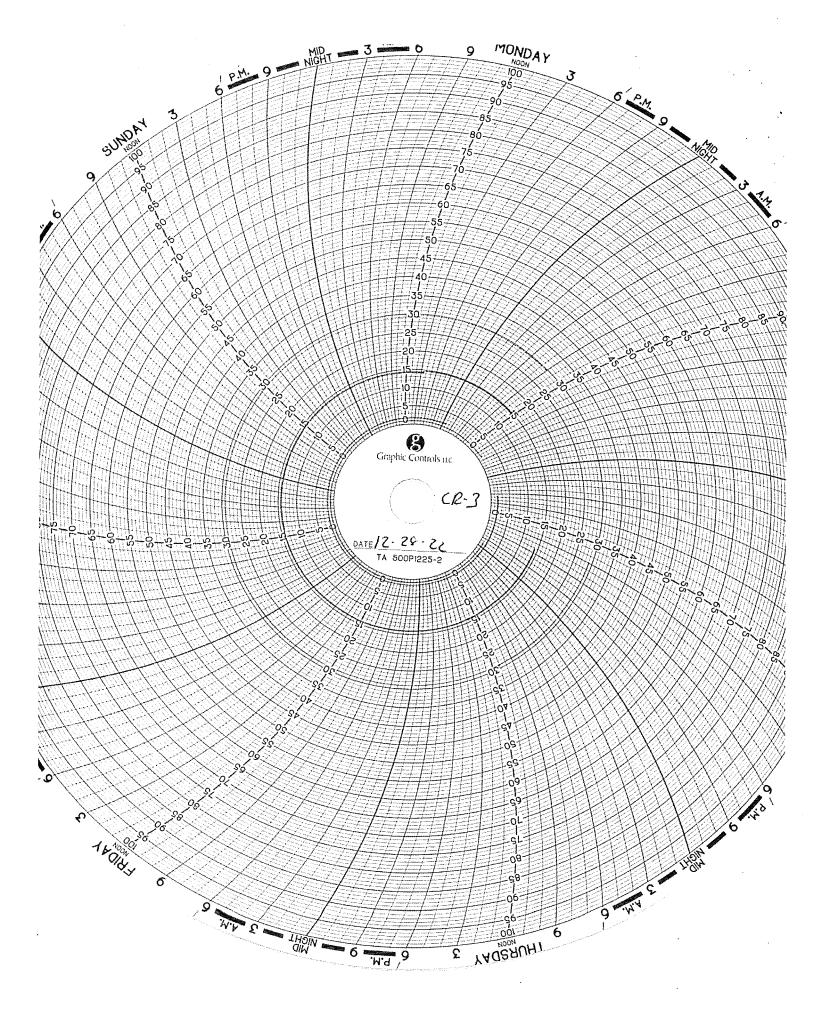
Channel #4

Black Pen - Temperature (chart value x 0)











CORROSION MONITORING PLAN COUPON SUMMARY

Date	Hastelloy	Stainless Steel	Fiberglass	
	(C267)	(316L)	(Redbox)	
12/19/2013	13.330 g	10.848 g	7.309 g	Initial Mass @ start up
2/21/2014	13.329 g	10.846 g	7.306 g	
3/10/2014	13.327 g	10.845 g	7.300 g	
4/18/2014	13.324 g	10.841 g	7.272 g	
5/30/2014	13.328 g	10.818 g	7.226 g	
6/30/2014	13.321 g	10.337 g	7.196 g	1
7/11/2014	13.323 g	10.304 g	7.196 g	j
8/12/2014	13.328 g	10.045 g	7.182 g	
9/17/2014	13.321 g	9.997 g	7.090 g	
10/30/2014	13.321 g	9.387 g	7.075 g	
11/21/2014	13.320 g	9.386 g	7.069 g	
12/19/2014	13.321 g	9.315 g	7.084 g	
1/12/2015	13.321 g	9.289 g	7.063 g	
2/23/2015	13.339 g	9.286 g	7.005 g	New hastelloy coupon
3/31/2015	13.339 g	9.286 g	7.005 g	
4/27/2015	13.335 g	9.130 g	6.852 g	
5/21/2015	13.336 g	9.124 g	6.809 g	
6/12/2015	13.334 g	9.126 g	6.819 g	
7/27/2015	13.337 g	9.127 g	6.818 g	
8/26/2015	13.337 g	9.022 g	6.780 g	
9/21/2015	13.336 g	8.987 g	6.792 g	
10/19/2015	13.335 g	8.985 g	6.797 g	
11/16/2015	13.334 g	8.982 g	6.788 g	
12/17/2015	13.334 g	8.933 g	6.791 g	
1/29/2016	13.334 g	8.931 g	6.788 g	
2/16/2016	13.332 g	8.799 g	6.757 g	
3/31/2016	13.339 g	9.286 g	7.005 g	
4/22/2016	13.333 g	8.590 g	6.744 g	
5/31/2015	13.334 g	6.084 g	6.784 g	
6/30/2016	13.328 g	10.942 g	6.793 g	New stainless steel coupon
8/3/2016	13.326 g	10.529 g	6.743 g	
8/29/2016	13.325 g	10.020 g	6.723 g	
10/27/2016	13.325 g	8.765 g	6.708 g	
11/29/2016	13.327 g	8.571 g	6.740 g	
12/12/2016	13.323 g	8.223 g	6.717 g	1
1/3/2017	13.325 g	8.059 g	6.712 g	
2/28/2017	13.324 g	7.634 g	6.727 g	
3/24/2017	13.325 g	7.370 g	6.732 g	
4/28/2017	13.325 g	6.736 g	6.736 g	İ
5/11/2017	13.323 g	7.352 g	6.689 g	
6/12/2017	13.323 g	7.357 g	6.689 g	
7/5/2017	13.323 g	7.355 g	6.689 g	<u> </u>
8/30/2017	13.324 g	7.353 g	18.105 g	New Fiberglass coupon
9/28/2017	13.325 g	7.352 g	18.060 g	
10/11/2017	13.324 g	7.350 g	18.038 g	
11/16/2017	13.325 g	7.363 g	18.047 g	
12/12/2017	13.326 g	7.308 g	18.307 g	1

CORROSION MONITORING PLAN COUPON SUMMARY

Date	Hastelloy	Stainless Steel	Fiberglass	
1/29/2018	13.326 g	10.930 g	18.027 g	New stainless steel coupon
2/9/2018	13.325 g	10.932 g	18.044 g	
3/19/2018	13.325 g	10.926 g	18.030 g	
4/16/2018	13.336 g	10.863 g	18.068 g	
5/17/2018	13.325 g	10.858 g	18.037 g	
6/20/2018	13.325 g	10.855 g	18.029 g	
7/12/2018	13.326 g	10.852 g	18.032 g	
8/21/2018	13.326 g	10.854 g	18.031 g	
9/14/2018	13.326 g	10.852 g	18.036 g	
10/10/2018	13.326 g	10.851 g	18.031 g	
11/20/2018	13.326 g	10.853 g	18.032 g	
12/11/2018	13.326 g	10.852 g	18.033 g	
1/14/2019	13.326 g	10.852 g	18.033 g	
2/20/2019	13.326 g	10.850 g	18.033 g	
3/15/2019	13.326 g	10.850 g	18.033 g	
4/10/2019	13.326 g	10.848 g	18.031 g	
5/17/2019	13.326 g	10.849 g	18.036 g	
6/5/2019	13.326 g	10.848 g	18.031 g	
7/8/2019	13.326 g	10.845 g	18.032 g	
8/12/2019	13.326 g	10.845 g	18.032 g	
9/8/2019	13.326 g	10.842 g	18.029 g	İ
10/17/2019	13.326 g	10.842 g	18.030 g	
11/20/2019	13.326 g	10.842 g	18.030 g	
12/11/2019	13.326 g	10.842 g	18.030 g	
1/16/2020	13.326 g	10.840 g	18.033 g	
2/6/2020	13.326 g	10.836 g	18.034 g	
3/3/9/20	13.326 g	10.842 g	18.034 g	Well 1 workover new well
4/9/2020	13.328 g	10.839 g	18.037 g	
5/12/2020	13.322 g	10.830 g	18.035 g	
6/16/2020	13.316 g	10.771 g	18.009 g	
7/16/2020	13.308 g	10.560 g	17.843 g	
8/25/2020	13.310 g	10.214 g	17.773 g	1
9/24/2020	13.289 g	9.796 g	17.656 g	
10/19/2020	13.282g	9.737g	17.621g	
11/5/2020	13.280g	9.728g	17.600g	
12/3/2020	13.281g	9.730g	17.689g	
2/10/2021	13.284g	9.728g	17.683g	
3/9/2021	13.290g	9.733g	17.585g	
4/13/2021	13.288g	9.730g	17.649g	
5/18/2021	13.282g	9.691g	17.543g	
6/17/2021	13.279g	9.639g	17.546g	
7/19/2021	13.278g	9.480g	17.507g	
8/3/2021	13.278g	9.437g	17.467g	
9/14/2021	13.277g	9.392g	17.467g	
10/11/2021	13.277g	9.359g	17.465g	
11/3/2021	13.277g	9.350g	17.273g	
12/15/2021	13.276g	9.351g	17.256g	1
1/17/2022	13.276g	9.351g	17.256g	
2/15/2022	13.276g	9.347g	16.965g	
3/18/2022	13.281g	9.368g	17.246g	

CORROSION MONITORING PLAN COUPON SUMMARY

Date	Hastelloy	Stainless Steel	Fiberglass	
4/18/2022	13.275	9.339	16.656	
5/16/2022	13.298	9.328	16.600	
6/15/2022	13.276	9.300	16.219	
7/20/2022	13.303	9.324	16.393	
8/17/2022	13.277	9.195	15.841	
9/9/2022	13.276	9.171	15.757	
10/19/2022	13.274	9.157	15.623	
11/18/2022	13.274	9.145	15.801	
12/19/2022	13.278	9.132	15.588	



Weight:

9.132

Date:

12/19/2022



Weight:

13.278

Date:

12/19/2022

Fiberglass

Weight:

15.588

Date:

12/19/2022



COOROSION MONITORING COUPONS VISUAL DESCRIPTION

December 2022

Fiberglass Coupon

The coupon is black in color with a semi-smooth texture on both sides. Its cut edges appear sanded. The coupon is free of cracks, pitting, swelling, blemishes, and corrosion. There is no obvious effect on this coupon since last month. The coupon has apparently been dyed black by received wastestreams.

Hastelloy Coupon

This coupon is identified as C276 with Serial Number 5. The coupon is silver in color with a lightly sandblasted texture. It is clean and free of pits, cracks, and blemishes. There is no effect to this coupon.

Stainless Steel Coupon

This coupon is identified as: Serial Number C1563 / 316L. No change to this coupon since last month. It is clean with some pitting.

CORROSION MONITORING COUPONS BASELINE VISUAL DESCRIPTION

November 4, 2013

Fiberglass

The fiberglass coupon is Red Box 2000 type and is 2-1/2 inches long by 1/2 inch wide and 1/4 inches thick. It is a dark orange (rust) in color with a glossy shine on one side a polished look on the opposite side and the cut edges look sanded.

Hastelloy

The hastelloy coupon is identified as C276 with serial number 1. The dimensions of the coupon are 3 inches long by 1/2 inch wide and 1/4 inch thick. The coupon is silver in color with a lightly sandblasted surface.

Stainless Steel

The stainless steel coupon is identified as 316L with serial number C1562. The dimensions of the coupon are 3 inches long by 1/2 inch wide and 1/4 inch thick. The coupon is silver in color with a lightly sandblasted surface.



October 22, 2015

· TEST REPORT ·

PN 125322 PO 00154

PLASTICS TESTING DEPARTMENT

Prepared For:

John Frost Environmental Geo-Technologies, LLC 28470 Citrin Drive Romulus, MI 48174

Prepared By:

Melissa Martin

Sr. Project Technician

Approved By:

Jim Drummond, Sr.

Physical & Plastic Testing, Manager



An A2LA ISO 17025 Accredited Testing Laboratory — Certificate Numbers 255.01 & 255.02 ISO 9001:2008 Registered

ISO 9001:2008
Registered

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Progress Through Innovation, Technology and Customer Satisfaction

October 22, 2015

John Frost Environmental Geo-Technologies, LLC

Page 2 of 2 PN 125322

SUBJECT:

Barcol Hardness on one material.

RECEIVED:

One small section identified as; Fiberglass Coupon.

BARCOL HARDNESS ASTM D 2583-13a

Instant Reading

Results

Barcol Hardness, Instant

96

Prepared By:

Melissa Martin Sr. Project Technician

tc

Approved By:

Scott W. Yátes

Plastics Testing Assistant Manager



December 12, 2016

-TEST REPORT-

PN 132662

PLASTICS TESTING DEPARTMENT

Prepared For:

John Frost Environmental Geo-Technologies, LLC 28470 Citrin Drive Romulus, MI 48174

Prepared By

Melissa Martin

Senior Profect Technician

Approved By:

Jim Drummond

Physical Testing, Manager

Rev 041916

ACCREDITED

A Teating Leb
Catilicate Numbers 215 01 à 256 02

An A2LA ISO 17025 Accredited Testing Laboratory — Certificate Numbers 255.01 & 255.02 ISO 9001:2008 Registered

ISO 9001:2008

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Progress Through Innovation, Technology and Customer Satisfaction

December 12, 2016

John Frost

Environmental Geo-Technologies, LLC

Page 2 of 2 PN 132662

SUBJECT:

Barcol Hardness on one (1) material.

RECEIVED:

One (1) small section identified as; Fiberglass Coupon.

BARCOL HARDNESS ASTM D 2583-13a

Instant Reading

RESULTS

Barcol Hardness, Instant

96

Prepared By:

Melissa Martin

Senior(Project Technician

Approved By:

Scott Yates/ Plastics Testing, Assistant Manager

wk

ARDL is ISO 17025 accredited by A2LA for the test methods listed on the certificates referenced on page one. NOTE: Non-ISO 17025 accredited test methods are designated with the ^ symbol to differentiate from ISO 17025 accredited methods in the body of the test report.



December 13, 2017

-TEST REPORT-

PN 139140 PO#

PLASTIC TESTING DEPARTMENT

Prepared For:

John Frost
Environmental Geo-Technologies, LLC
28470 Citrin Drive
Romulus, MI 48174

Prepared By

Melissa Martin

Sr Project Technician

Approved By:_

Jim Drummond

Rubber & Plastic Testing, Manager

Rev 041916

ACCREDITED
A Testing Lab

An A2LA ISO 17025 Accredited Testing Laboratory — Certificate Numbers 255.01 & 255.02 ISO 9001:2008 Registered

ISO 9001:2008
Registered

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Progress Through Innovation, Technology and Customer Satisfaction

December 13, 2017

John Frost

Environmental Geo-Technologies, LLC

Page 2 of 2 PN 139140

SUBJECT:

Barcol Hardness on one material.

RECEIVED:

One small section identified as; Fiberglass Coupon.

BARCOL HARDNESS ASTM D 2583-13a

Instant Reading

Results

Barcol Hardness, Instant

96

Prepared By

Melissa Martin Sr Project Technician Approved By:

Scott Yates

Plastics Testing, Assistant Manager

GHESQUIERE PLASTIC TESTING, INC.

20450 HARPER AVENUE HARPER WOODS, MI 48225 PHONE (313) 885-3535 FAX (313) 885-1771

Report Date: November 15, 2013 Test Date: October 15 - November 14, 2013

Report #1310-77651 Performed for: Environmental Geo-Technologies 28470 Citrin Drive Romulus, MI 48174

Attention: Mr. Don Anderson

WORK REQUESTED:

Perform Barcol Hardness test on sample submitted.

DESCRIPTION OF SAMPLE:

Sample submitted was identified as a fiberglass test coupon.

(P. O. #Credit Card).

WORK PERFORMED:

Test specimen was prepared as necessary and conditioned for a minimum of 24 hours at standard laboratory conditions prior to testing.

Barcol Hardness test was performed in accordance with the procedures of ASTM D2583-13. One specimen was tested.

RESULTS:

The following determination was made based upon the above test:

BARCOL HARDNESS

Hardness

Specimen 1

90

Specimen is being returned with this report for further evaluation.

GHESQUIERE PAPASTIC TESTING, INC

M. W. Ghesquiere

President

MWG/kni

GHESQUIERE PLASTIC TESTING, INC.

20450 HARPER AVENUE HARPER WOODS, MI 48225 PHONE (313) 885-3535 FAX (313) 885-1771

Report Date: February 17, 2014
Test Date: February 14 - 17, 2014

Report #1402-78036
Performed for:
Environmental Geo-Technologies
28470 Citrin Drive
Romulus, MI 48174

Attention: Mr. Don Anderson

WORK REQUESTED:

Perform Barcol Hardness test on sample submitted.

DESCRIPTION OF SAMPLE:

Sample submitted was identified as a fiberglass test coupon.

(P. O. #Credit Card).

WORK PERFORMED:

Test specimen was prepared as necessary and conditioned for a minimum of 24 hours at standard laboratory conditions prior to testing.

Barcol Mardness test was performed in accordance with the procedures of ASTM D2583-13. One specimen was tested.

RESULTS:

The following determination was made based upon the above test:

BARCOL HARDNESS

子等 人 25 1 GBCS 商品企业 25 12 12 12 13 14

Hardness

Specimen 1 90

医不可能定案 医对抗性囊膜外畸胎 化甲基二烷基苯甲

er of the end of the end of

Specimen was returned to the client on February 17, 2014.

GHESQUIERE PLASTIC TESTING, INC

。在1966年1月1日 - 1995年1月1日 - 1996年1月1日 - 1996年1日 - 19

M. W. Chesquiere

President

MWG/dm

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The letters and reports and the name of Ghesquiere Plastic Testing, Inc., are not to be used under any circumstances in advertising to the general public. Samples, extra and related test malerials will be destroyed 30 days after the date of the final report unless the client indicates otherwise in writing.

TOTAL 1 PAGES

(1) (4) 网络阿尔特人的维尔 医基

GHESQUIERE PLASTIC TESTING, INC.

20450 HARPER AVENUE HARPER WOODS, MI 48225 PHONE (313) 885-3535 FAX (313) 885-1771

Report Date: June 16, 2014 Test Date: June 13 - 16, 2014

Report #1406-78499 Performed for: Environmental Geo-Technologies, LLC 28470 Citrin Drive Romulus, MI 48174

Attention: Mr. Don Anderson

WORK REQUESTED:

Perform Barcol Hardness test on sample submitted.

DESCRIPTION OF SAMPLE:

Sample submitted was identified as a fiberglass test coupon.

(P. O. #Credit Card).

WORK PERFORMED:

Test specimen was prepared as necessary and conditioned for a minimum of 24 hours at standard laboratory conditions prior to testing.

Barcol Hardness test was performed in accordance with the procedures of ASTM D2583-13. One specimen was tested.

RESULTS:

The following determination was made based upon the above test:

BARCOL HARDNESS

Hardness

Specimen 1

85

Specimen was returned to the client June 16, 2014.

GHESQUIERE PLASTIC/TESTING, INC.

President

MWG/dm

Samples, extra and related test materials will be destroyed 30 days after the date of the final report unless the client indicates otherwise in writing.



October 2, 2014

TEST REPORT -

PN 118325 PO Attn:John Frost

PLASTICS TESTING DEPARTMENT

Prepared For:

John Frost Environmental Geo-Technologies, LLC 28470 Citrin Drive Romulus, MI 48174

Prepared By

Melissa Martin

Sf. Project Technician

Approved By:

Jim Drummond

Physical & Plastics Testing, Manager

ACCREDITED
A Testing Lab

An A2LA ISO 17025 Accredited Testing Laboratory — Certificate Numbers 255.01 & 255.02 ISO 9001:2008 Registered

ISO 9001:2008

Registered

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Testing. Development. Problem Solving.

October 2, 2014

John Frost Environmental Geo-Technologies, LLC

Page 2 of 2 PN118325

SUBJECT:

Barcol Hardness on one material.

PO# Attn; John Frost

RECEIVED:

One small section identified as; Fiberglass Coupon.

BARCOL HARDNESS ASTM D 2583-13a

Results

Barcol Hardness, Instant

97

Prepared By

st

Melissa Martin

Sr. Project Technician

Approved By:

Scott W. Vates

Plastics Testing Assistant Manager

BARCOL HARDNESS REPORT

Customer:	Republi	: Industrial a	and Energy	Solutions, L	.LC
Component Te	Component Tested: Test Coupon				
PO Number:	957555	3	Job	Number:	3415
Calibration:	Disc:	43 - 48	Actua	l Reading:	45
Barcol Readings 1 2 3 Average					
Si	de One:	62	63	58	61
Sic	Side Two: 58 60 57 58			58	
	•		Overall	Average:	60
Tested By: (signature)					

Gary Nicholson (print or type name)

Date: 01/12/2021

BARCOL HARDNESS REPORT

Cı	ict	om	ar
L	12 F	UIII	CI.

Republic Industrial and Energy Solutions, LLC

Component Tested:

Test Coupon

PO Number:

10159792

Job Number: 3556

Calibration:

Disc: 43 - 48

Actual Reading:

Barcol Readings

Side One: Side Two:

<u></u>		3	Average
56	60	60	59
60	62	62	61

Overall Average:

Tested By:

Gary Nicholson

Date: 10/11/2021

(print or type name)

BARCOL HARDNESS REPORT

Cι	10	to	m	•	r	6
~	43	LU		c	1	

Republic Industrial and Energy Solutions

Component Tested:

Fiberglass Coupon

PO Number:

Credit Card

Job Number: 3734

Calibration:

Disc: 43 - 48

Actual Reading:

Barcol Readings

Side	One:
c:d-	T

.1 .		. 3	Average
55	50	58	54
53	56	59	56
	A		

Overall Average:

Tested By:

Gary Nicholson

Date: 08/23/2022

(print or type name)



UIC Monthly Maintenance Log

Injection pH probe calibrated 12/20/2022 Well 1&2

INJECTION FINGERPRINTS

In reviewing the December 2022 injection fingerprints, RIES operations personnel discovered that one (1) injection fingerprint is not included in the December 2022 monthly report. The missing injection fingerprint is:

I12162202 (IMMDDYY##)

Additionally, RIES operations personnel discovered that the time of injection fingerprints was not noted on the corresponding fingerprint documents for several fingerprint forms in December.

Corrective actions to prevent this from occurring in the future include additional training for operations personnel responsible for obtaining and recording fingerprints and reinforcing the gravity of accurate reporting. This issue has been discussed as part of RIES management daily meetings to ensure that injection fingerprints are up to date and complete. We are continually addressing ways to confirm fingerprint document accuracy.

REGEWINGINE	IBMMAGRICINES
Date	12/01/22
Receiving ID#	TIZOIZZO)
Manifest# Line	
Land Ban Cert included	Yes - No
EGT Approval #	
Generator.	
Client	
Transporter	
Time in	
Time out	
Received by	76
Sampled by	TG

551-

LAB INEGRA	STON	
Compatible? (RT#)	yes	A CAN PAREN
PCBs (ppm) (Oily Waste Only)?		
TOC ppm (CC Waste Only)?		Control Control
Flash Point (F)	>146	
pH (S.U.)	- Corto	75
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1 1.00	
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	54.9	1
Conductivity	8.30	1
% Solids	1.7	1
Turbidity	Yes	No
Color		
TSS (%)	L Z ,	Aller Gran
A. A. A. A. A. A. A. A. A. A. A. A. A. A		
Radiation Screen (as needed)		الم

Date	12/01/22
Receiving ID#	1712012207
Manifest# Line	
Land Ban Cert included	Yes · No
EGT Approval #	
Generator.	
Client	
Transporter	
Time in	
Time out	
Received by	٠٨٠ لک ١
Sampled by	

LABMINEORMA	TIGN	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste Only)?		
TOC ppm (CC Waste Only)?		eginandi kujisha se Sulah
Flash Point (F)	>14	Ó
pH (S.U.)	6.7	2
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.01	
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	68.7	
Conductivity	25.2	
% Solids	1.03	
Turbidity	Yes	No
Color		
TS\$ (%)	ζø	~ \
Radiation Screen (as needed)	r San San San San San San San San San San	10.00
Lab Signature/Initials	びか	

RECEIVING INFO	
Date	12/01/22
Receiving ID#	X12017203
Manifest# Line	
Land Ban Cert included	Yes - No
EGT Approval #	
Generator	
Client	34.
Transporter	
Time in	
Time out	· · · · · · · · · · · · · · · · · · ·
Received by	
Sampled by	BB

SEES LABUNFORM	Vii(loi)	
Compatible? (尺T#)	1	on organic parameter
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	1 >14	<i>)</i>
pH (S.U.)	691	encontractor mentions are
Cyanides? (mg/L)	· i	
Sulfides? (ppm)?		
Specific Gravity	1.02	
Physical Description		41.41
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	73.6	2
Conductivity	309,	~ S
% Solids	200	53
Turbidity	Yes	No
Color		
TSS (%)	201	Allerton
Radiation Screen (as needed)		The state of the s
Lab Signature/Initials	JA	-)

RECEIVINGINE	Paulestoin
Date	12/1/22
Receiving ID#	I1201220
Manifest# Line	
Land Ban Cert included	Yes · No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	5.77.
Sampled by	AW

LAB INEORWA		
Compatible? (RT#)	1	
PCBs (ppm) (Oily Waste		
Only)?		and the same
TOC ppm (CC Waste Only)?		NAMES AND ADDRESS OF THE PARTY
Flash Point (F)	>140)
pH (S.U.)	6.78	Samuel and the second
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.0	
Physical Description		1.44
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F) つす)	-36 フ	ハサ
Conductivity	30	2m1
% Solids	2_)	2-
Turbidity	Yes	No
Color		The state of the s
TSS (%)	(0)	Allenet Co.
Radiation Screen (as needed)	e e e e e e e e e e e e e e e e e e e	1
Lab Signature/Initials	σ_i	})

	100 mg
PEGEWING INE	the state of the s
Receiving ID#	1 2 /02 / 22 1 2 /02 / 22
Manifest# Line	LIQUAQAUL
Land Ban Cert included	Yes · No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	NE
Sampled by	Nε

LAB INFORMA	Arito N. Salak	
Compatible? (RT#)	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	a, orden operation
PCBs (ppm) (Oily Waste Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	D140	andres de ser
pH (S:U.)	7,25	
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.000	
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	62°	
Conductivity	31	***************************************
% Solids	1.68	
Turbidity	Yes	No
Color		
TS\$ (%)	10-	Admires
Radiation Screen (as needed)		in the same
Lab Signature/Initials	NE	

Date	12 /03/22
Receiving ID#	TRIBORROOD
Manifest# Line	
Land Ban Cert included	Yes . No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	5.H
Sampled by	100=

· ·		
LABAINFORMA	TION 3	
Compatible? (RT#)		Control of the second
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		ent de la companya de
Flash Point (F)	714	\mathcal{O}
pH (S.U.)	7.8	8
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.0	0
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	651	4
Conductivity	13.59	5 ~5
% Solids		7
Turbidity	Yes	Nö
Color		
TS\$ (%)	(6)	A ALLEGE
Radiation Screen (as needed)	. Jasoba i	and the second
Lab Signature/Initials	J	. 73
Las digitatarorimbais		v / J

Date	12/04/22
Receiving ID#	F12022203
Manifest# Line	
Land Ban Cert included	Yes · No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	112
Sampled by	20

LAB INFORMA	1 1	
the state of the s	TION	
Compatible? (RT#)		TO AND ADDRESS OF THE PARTY OF
PCBs (ppm) (Oily Waste	Ĭ	
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)		The Carlotte Salaria
pH (S.U.)	6,5	3
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.00	
Physical Description		- 6- mar
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)		73.2
Conductivity		7.24
% Solids	4	2-1
	(Yes)	No
Turbidity	1 2	rocat-
Turbidity Color	1t. B	200
The state of the s	12 10	V
Color	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	V
Conductivity % Solids	(Yes)	,

Date	18 /5 /22
Receiving ID#	112052201
Manifest# Line	
Land Ban Cert included	Yes · No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	NE
Sampled by	1./-

LAB INFORMA	VIION -	
Compatible? (RT#)		es, statistical plus differ
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	>140	e van promin in die ee
pH (S.U.)	6.60	november met ete
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1,00	
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	540	
Conductivity	12.19	
% Solids	.630%	
Turbidity	Yes	No
Color		
TSS (%)	(0.)	a de la companya de l
Radiation Screen (as needed)		
Lab Signature/Initials	3.5)	

Date	1-/5/22
Receiving ID#	112052202
Manifest# Line	
Land Ban Cert included	Yes - No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	1 3.77
Sampled by	IR

LABMNEORMA	FIGN.	
Compatible? (RT#)		74.1 (4.1)
PCBs (ppm) (Oily Waste Only)?		
TOC ppm (CC Waste Only)?		Andrews Control
Flash Point (F)		
pH (S:U.)	7.96	Market and the second
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	11.00	
Physical Description	ľ	
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	71.	١
Conductivity	1098	}
% Solids	人	0-1
Turbidity	Yes	No
Color		
TS\$ (%)	100	American
Radiation Screen (as needed)	, la seminaria di	A THE STATE OF THE
Lab Signature/Initials	N.D.)

A PAREGEWING IN FOR	
Date	12/05/22
Receiving ID#	Z12052203
Manifest# Line	
Land Ban Cert included	Yes - No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	5.79
Sampled by	PR

LABEINFORMA	TIAN SEE	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		and the same and the
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	1>24	\mathcal{I}
pH (S.U.)	5.2	9
Cyanides? (mg/L)		
Sulfides? (ppm)?		a de la composición dela composición de la composición de la composición dela composición dela composición dela composición de la composición de la composición de la composición dela composición de la composición dela c
Specific Gravity	1,0	50
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	57	.3
Conductivity	20,1	121
% Solids	0-8-	7
Turbidity	Yes	No
Color		
TS\$ (%)	(0.	1
Radiation Screen (as needed)	فيسهم سيفسيه والم	دو چې <u>د د ست</u>
Lab Signature/Initials	(プラン)	

REGEVINGINE)::4v/s:4join
Date	12/5/22
Receiving ID#	11/208 2204
Manifest# Line	
Land Ban Cert included	Yes · No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	$\int \mathcal{S}_{i} \mathcal{H}_{i}$
Sampled by	AW
The second district of the second district of	entropy of the control of the contro

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LAG INFORMA	illoin:	
Compatible? (RT#)		grade og state og st
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	>1	40
pH (S.U.)	6	99
Cyanides? (mg/L)		
Sulfides? (ppm)?		F
Specific Gravity	10	1
Physical Description:	Pr.	
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	74,)
Conductivity	281	, w?
% Solids	1.63	5
Turbidity	Yes	No
Color		
TS\$ (%)	(6.	4500000
Radiation Screen (as needed)		the state of the s
Lab Signature/Initials		(4)

Date	12 /6 /22
Receiving ID#	I B/2062201
Manifest# Line	
Land Ban Cert included	Yes - No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	NE
Sampled by	NE

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LAB INFORMA	T	ōŅi.	
Compatible? (RT#)			a, regalit ga, allaner,
PCBs (ppm) (Oily Waste			
Only)? TOC ppm (CC Waste Only)?	1	211	gardi Artura
Flash Point (F)	5	40	e agy ja jama a ja
pH (S.U.)		S 3	Color No. 100 Care and
Cyanides? (mg/L)	Ī		
Sulfides? (ppm)?			
Specific Gravity	1.0	000	
Physical Description	L		e larger
Stream Consistency		Yes	No
Oil in Sample?		Yes	No
Temperature (F)	50	90	
Conductivity	QQ	.9	
% Solids	1	83%	
Turbidity		Yes	No
Color			
TSS (%)		10	\
Radiation Screen (as needed)		i de Santadore de la compansión de la compansión de la compansión de la compansión de la compansión de la comp	
Lab Signature/Initials		NE	
•	1 1		

Date	12	/06/22
Receiving ID#	工13	067207
Manifest# Lin	á 📗	2 2 3 5 5 6 6 6
Land Ban Cert included	Ye	s · No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by		4.7
Sampled by		£.

LAB INFORMA	FILOINES :	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste Only)?		
TOC ppm (CC Waste Only)?		ing terminal and the results of the second
Flash Point (F)	3140	solarja men opi sjor s
pH (S.U.)	6	1 9
Cyanides? (mg/L)		
Sulfides? (ppm)?		- 1
Specific Gravity	10	2
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	73.	8
Conductivity	30,0	~~\\\
% Solids	0.94	
Turbidity	Yes	No
Color		
TS\$ (%)	2021	and the second of the second
Radiation Screen (as needed)	S	
Lab Signature/Initials	.	+)

	and the second of
RECEIVING INFO	RMATION
Date	112/6/22
Receiving ID#	李多丁1206220s
Manifest # Line	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	Jin
Sampled by	No.

LAB INFORMA	TION	
Compatible? (RT#)	1	
PCBs (ppm) (Oily Waste	The state of the s	
Only)?	4	
TOC ppm (CC Waste Only)?		
Flash Point (F)	<u> </u>	<u>8</u>
pH (S.U.)	6.5	<u>8</u>
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.01	
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	74	
Conductivity	27.	<u>3 05</u>
% Solids	1,42	
Turbidity	Yes	No
Color		
TSS (%)	30	~ }
Radiation Screen (as needed)		*
Lab Signature/Initials	ブル)

ORANIAGE(OIX)
1/2 / 7 / 22
X 12072201
Yes - No
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LAB INFORM,	ATION SEE	
Compatible? (RT#)		e veral parables
PCBs (ppm) (Oily Waste		
Only)(?	1 + 2	
TOC ppm (CC Waste Only)?		
Flash Point (F)	7110	
pH (S.U.)	6.46	in the second of the second
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.000	
Physical Description		- min and a second
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	570	
Conductivity	14.25	
% Solids	2.0500	
Turbidity	Yes	Nö
Color		
TS\$ (%)	(01	e tel a un en
Radiation Screen (as needed)		**************************************
Lab Signature/Initials	NE	

RECEIVING INFO	ÌR۱	ATION	
Date		12 /7	122
Receiving ID#	1	120122	<i>6</i> 2
Manifest # Line			
Land Ban Cert included		Yes	- No
EGT Approval #			
Generator	Ш		
Client	Ц		
Transporter			
Time in	1		
Time out	1		
Received by		任心	<u></u>
Sampled by		UE	·

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste	
Only)?	·
TOC ppm (CC Waste Only)?	A CONTRACTOR OF THE SECOND
Flash Point (F) > 1 1/2 PH (S.U.))
pH (S.U.)	0
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	
Physical Description	
Stream Consistency Yes	No
Oil in Sample?	No
Temperature (F) 73.7	
Conductivity 19.64	
% Solids 0.8	0
Turbidity (Yes)	No
Color III.B	rows
TSS (%) くひ	<u> </u>
Radiation Screen (as needed)	J
Lab Signature/Initials (リカナ)	

RECEIVING INFO	RMATION
Date	12/07/22
Receiving ID#	P12072203
Manifest # Line	
Land Ban Cert included	Yes - No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	1 33
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LAB INFORMA	T	ION :	Victoria de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión
Compatible? (RT#)		Y	
PCBs (ppm) (Oily Waste			
Only)?			<u></u>
TOC ppm (CC Waste Only)?			
Flash Point (F)		>14	iU
pH (S.U.)		6.	,41
Cyanides? (mg/L)			
Sulfides? (ppm)?			
Specific Gravity		1.05	<u> </u>
Physical Description	Ш		
Stream Consistency	Ш	Yes	No
Oil in Sample?		Yes	No
Temperature (F)		70	.5
Conductivity		29.	0~5
% Solids		1.13	>
Turbidity		Yes	No
Color			·
TSS (%)			01
Radiation Screen (as needed)			
Lab Signature/Initials	Ш	だり	7

PEGENTING INFO	PERMITE COLOR
Date	1/2 //2 / 22
Receiving ID#	I12122201
Manifest# Line	
Land Ban Cert included	Yes . No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	NE
Sampled by	NE

LAB INFORMA	EION CALES
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	7140
pH (S.U.)	7.60
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.010
Physical Description:	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	55°
Conductivity	28.0
% Solids	1.60%
Turbidity	Yes No.
Color	
TS\$ (%)	⟨∅.1
Radiation Screen (as needed)	3
Lab Signature/Initials	NE

RECEIVINGINE	
Date	1/2 /12 / 22
Receiving ID#	BT12122202
Manifest# Line	
Land Ban Cert included	Yes · No
EGT Approval #	-
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	NF
Sampled by	1/F

EVALUA LA BUNEORMA	ATION:
Compatible? (RT#)	
PCBs (ppm) (Oily Waste	
Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	
pH (S.U.)	7.06
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.005
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	5\$.0°
Conductivity	31.6
% Solids	2.81%
Turbidity	Yes No
Color	
TSS (%)	(0.1
Radiation Screen (as needed)	1 Junited and the second
Lab Signature/Initials	NE

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RECEIVING INFO	RMATION
Date	112/12/22
Receiving ID#	12122203
Manifest # Line	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J41
Sampled by	II BB

LAB INFORMA	IJON :	
Compatible? (RT#)	<u> </u>	
PCBs (ppm) (Oily Waste		
Only)?	4	
TOC ppm (CC Waste Only)?		
Flash Point (F)	>1 6.8	40
pH (S.U.)	6.8	4
Cyanides? (mg/L)	<u> </u>	
Sulfides? (ppm)?		
Specific Gravity	1.0)	
Physical Description	74	<u> </u>
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	72.	9
Conductivity	33.7	~5_
% Solids	1.30	ه ٔ
Turbidity	Yes	No
Color		
TSS (%)	200)
Radiation Screen (as needed)		,
Lab Signature/Initials	J.H.	

Date	ORWARON 22
Receiving ID#	18/2/37261
Manifest# Line	
Land Ban Cert included	Yes - No
EGT Approval #	
Generator	
Client	
<u> Transporter</u>	
lime in	
Time out	
Received by	NE
Sampled by	NE

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LABUNFORM	TI	ON S	
Compatible? (RT#)			Andreas and a second
PCBs (ppm) (Oily Waste	T		
Only)?	Ļ.,		
TOC ppm (CC Waste Only)?	1		
Flash Point (F))	140	garant on the con-
pH (S.U.)	7.	10.	المراجع المستراء والمرا
Cyanides? (mg/L)			
Sulfides? (ppm)?			
Specific Gravity	1.0	00	e de la companya de l
Physical Description	T		
Stream Consistency		Yes	No
Oil in Sample?	1	Yes	No
Temperature (F)	58	30	
Conductivity	31	4	78-23
% Solids	3.	56°′0	alan e e e e e e e e e e e e e e e e e e e
Turbidity		Yes	No
Color			
TSS (%)	10).1	and the second
Radiation Screen (as needed)		318.196.4	14. ²
Lab Signature/Initials		NE	
		Company of the Compan	

RECEIVING INFO	DRMATION (1884)
Date	12/13/22
Receiving ID#	1/2/32209
Manifest # Line	
Land Ban Cert included	Yes - No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	54)
Sampled by	NE

LAB INFORMAT	ION .	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	>140 6,85	
pH (S.U.)	6.85	·
Cyanides? (mg/L)		
Sulfides? (ppm)?	A CALLED AND A CAL	
Specific Gravity	1.01	
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	71.1	0
Conductivity	31,9	<u>~~</u> 5
% Solids	1,46	
Turbidity	Yes	No
Color		
TSS (%)	438	
Radiation Screen (as needed)		
Lab Signature/Initials	J.75	

RECEIVING INFO	RMATION
Date	12/13/22
Receiving ID#	I12132203
Manifest# Line	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	08:35
Time out	
Received by	J. H
Sampled by	DM
	1 1

Compatible? (RT#) PCBs (ppm) (Oily Waste Only)? TOC ppm (CC Waste Only)? Flash Point (F) pH (S.U.) Cyanides? (mg/L) Sulfides? (ppm)? Specific Gravity Physical Description Stream Consistency Oil in Sample? Temperature (F) Conductivity % Solids Turbidity Color TSS (%) Radiation Screen (as needed) Lab Signature/Initials	LAB INFORMA	TION	
Only)? TOC ppm (CC Waste Only)? Flash Point (F) pH (S.U.) Cyanides? (mg/L) Sulfides? (ppm)? Specific Gravity Physical Description Stream Consistency Oil in Sample? Temperature (F) Conductivity % Solids Turbidity Color TSS (%) Radiation Screen (as needed)	Compatible? (RT#)		
TOC ppm (CC Waste Only)? Flash Point (F) pH (S.U.) Cyanides? (mg/L) Sulfides? (ppm)? Specific Gravity Physical Description Stream Consistency Oil in Sample? Temperature (F) Conductivity % Solids Turbidity Color TSS (%) Radiation Screen (as needed)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Flash Point (F) pH (S.U.) Cyanides? (mg/L) Sulfides? (ppm)? Specific Gravity Physical Description Stream Consistency Oil in Sample? Temperature (F) Conductivity % Solids Turbidity Color TSS (%) Radiation Screen (as needed)		4	
pH (S.U.) Cyanides? (mg/L) Sulfides? (ppm)? Specific Gravity Physical Description Stream Consistency Oil in Sample? Temperature (F) Conductivity % Solids Turbidity Color TSS (%) Radiation Screen (as needed)	TOC ppm (CC Waste Only)?		
Cyanides? (mg/L) Sulfides? (ppm)? Specific Gravity Physical Description Stream Consistency Oil in Sample? Temperature (F) Conductivity % Solids Turbidity Color TSS (%) Radiation Screen (as needed)	Flash Point (F)	<u> </u>	
Sulfides? (ppm)? Specific Gravity Physical Description Stream Consistency Oil in Sample? Temperature (F) Conductivity % Solids Turbidity Color TSS (%) Radiation Screen (as needed)	pH (S.U.)	2.0	06
Specific Gravity Physical Description Stream Consistency Oil in Sample? Temperature (F) Conductivity % Solids Turbidity Color TSS (%) Radiation Screen (as needed)	Cyanides? (mg/L)		
Physical Description Stream Consistency Oil in Sample? Temperature (F) Conductivity % Solids Turbidity Color TSS (%) Radiation Screen (as needed)	Sulfides? (ppm)?		·
Stream Consistency Oil in Sample? Temperature (F) Conductivity % Solids Turbidity Color TSS (%) Radiation Screen (as needed) Yes No Yes No Color	Specific Gravity	1	02
Oil in Sample? Temperature (F) Conductivity % Solids Turbidity Color TSS (%) Radiation Screen (as needed)	Physical Description		
Temperature (F) Conductivity % Solids Turbidity Color TSS (%) Radiation Screen (as needed)	Stream Consistency	Yes	No
Conductivity % Solids Turbidity Color TSS (%) Radiation Screen (as needed)	Oil in Sample?	1	
% Solids Turbidity Yes No Color TSS (%) Radiation Screen (as needed)	Temperature (F)		
Turbidity Yes No Color TSS (%) < (೨) Radiation Screen (as needed)	Conductivity	33	,0m5
Color TSS (%) Radiation Screen (as needed)	% Solids	1.4	2_
TSS (%) < (%) Radiation Screen (as needed)	Turbidity	Yes	No
Radiation Screen (as needed)	Color		
	TSS (%)	1	9.)
Lab Signature/Initials つ. ガ	Radiation Screen (as needed)		
, , , , , , , , , , , , , , , , , , , ,	Lab Signature/Initials	5.	71

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T/2142201
Yes - No
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LAB INFORM		ō l ;!	
Compatible? (RT#)			A STALL SECTION
PCBs (ppm) (Oily Waste	1		
Only)?	L		
TOC ppm (CC Waste Only)?	1		
Flash Point (F)	>1	16	en ografisk fra 1920 i 19
pH (S.U.)	7	18	anno anno anno anno anno an
Cyanides? (mg/L)	The same of the sa		
Sulfides? (ppm)?			
Specific Gravity	12.	010	and a second second second second second second second second second second second second second second second
Physical Description			
Stream Consistency		Yes	No
Oil in Sample?		Yes	No
Temperature (F)	5	70	
Conductivity	32	q	
% Solids	1.8	3600	
Turbidity		Yes	No
Color			
TSS (%)	10	. 2	AUGUANA
Radiation Screen (as needed)		and the second	
Lab Signature/Initials		NE	

RECEIVING INFO	RMATION -
Date	12/14/22
Receiving ID#	12/2/42202
Manifest # Line	
Land Ban Cert included	Yes No
EGT Approval #	•
Generator	
Client	
Transporter	
Time in	11:30
Time out	
Received by	J.H
Sampled by	INE

	1	
LAB INFORMA	TION	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?	-	
TOC ppm (CC Waste Only)?		
Flash Point (F)	>140	
pH (S.U.)	7,1	7
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.02	
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	100	<u>, 8</u>
Conductivity	32:	7 mg
% Solids	171	
Turbidity	Yes	No
Color		
TSS (%)	(0.)	
Radiation Screen (as needed)		
Lab Signature/Initials	J.	<i>H</i>

RECEIVING INFOR	RMATION
Date	12/14/22
Receiving ID#	F12142203
Manifest # Line	
Land Ban Cert included	Yes No
EGT Approval #	•
Generator	
Client	
Transporter	
Time in	08:23
Time out	
Received by	
Sampled by	BB

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		72.26
Compatible? (RT#)	Ý	
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	>140	
pH (S.U.)	6,72	
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.02	
Physical Description		
Stream Consistency	'es	No
Oil in Sample?		No
Temperature (F)	72.2	
Conductivity	36.5 m	5
% Solids	1.28	
Turbidity	'es	No
Color		
TSS (%)	<u> </u>	
Radiation Screen (as needed)		, r
Lab Signature/Initials	ユ.ガ.	معلت حييب

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112152201
Yes - No
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Compatible? (RT#)			. A 7-kul iga dibboo
PCBs (ppm) (Oily Waste			
Only)?	1		
TOC ppm (CC Waste Only)?	1		
Flash Point (F)	1		san aga papanan aga panan
pH (S.U.)	6	83	·
Cyanides? (mg/L)			
Sulfides? (ppm)?			
Specific Gravity	*	1	(<i>o</i>)
Physical Description	1	,	5,70
Stream Consistency		Yes	No
Oil in Sample?		Yes	No
Temperature (F)	6	0°	
Conductivity	13	0.1	
% Solids	1	9800	
Turbidity		Yes	No
Color			
TSS (%)	Г	くめ	All-servers
Radiation Screen (as needed)		and the second	4
Lab Signature/Initials] <	J. H	
	-		***************************************

RECEIVING INF	ORMATION 4
Date	12/15/22
Receiving ID#	1/3/52202
Manifest# Line	
Land Ban Cert included	Yes - No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	11:00
Time out	
Received by	
Sampled by	NE

LAB INFORMAT	TION-		
Compatible? (RT#)			
PCBs (ppm) (Oily Waste			
Only)?			,
TOC ppm (CC Waste Only)?			
Flash Point (F)		>140 >175	
pH (S.U.)	4	2.75	
Cyanides? (mg/L)			w
Sulfides? (ppm)?			
Specific Gravity	j,	02_	
Physical Description			
Stream Consistency	Yes		No
Oil in Sample?	Yes		No
Temperature (F)	6	18.9	-
Conductivity	37	2.9 m	5
% Solids		1,34	,
Turbidity	Yes	· approachi	No
Color	1		
TSS (%)		101	
Radiation Screen (as needed)			
Lab Signature/Initials		٠٦)	
	11	_	

Date	12/5/2
Receiving ID#	1121522
Manifest# Line	
Land Ban Cert included	Yes - No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	317
Sampled by	- m

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LAB INFORMA		N	
Compatible? (RT#)		7 2 3 3 4 3	A STATE OF THE STATE OF
PCBs (ppm) (Oily Waste			
Only)?			
TOC ppm (CC Waste Only)?			
Flash Point (F)		>23	70
pH (S.U.)		60.9	4
Cyanides? (mg/L)	1		1
Sulfides? (ppm)?			
Specific Gravity	1	1.0	2
Physical Description			
Stream Consistency	Y	'es	No
Oil.in Sample?	Y	'es	No
Temperature (F)		71	5
Conductivity		36,1	m5
% Solids		1.28	
Turbidity	¥	'es	No
Color			
TSS (%)		LO.	1
Radiation Screen (as needed)		2.00.4444	<i>f</i>
Lab Signature/Initials		J.>	7

TRECEIVING/INFO	OPAMATRON.
Date	12 /16 /2
Receiving ID#	1/2/62201
Manifest# Line	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	07:00
Time out	
Received by	NE
Sampled by	NE

Compatible? (RT#) PCBs (ppm) (Oily Waste Only)? TOC ppm (CC Waste Only)? Flash Point (F)			
PCBs (ppm) (Oily Waste Only)? TOC ppm (CC Waste Only)? Flash Point (F) > 140 pH (S.U.) 6.80 Cyanides? (mg/L) Sulfides? (ppm)? Specific Gravity 7.000 Physical Description Stream Consistency Yes No Oil in Sample? Yes No Temperature (F) 60° Conductivity 36 Yes No Color Turbidity Yes No Color TSS (%) (0.1 Radiation Screen (as needed)		87	ON
Only)? TOC ppm (CC Waste Only)? Flash Point (F) >140 pH (S.U.) 6,80 Cyanides? (mg/L) 2,000 Sulfides? (ppm)? Specific Gravity 2,000 Physical Description Stream Consistency Yes No Oil in Sample? Yes No Temperature (F) 60° Conductivity 36 % Solids 1,64°° Turbidity Yes No Color TSS (%) <0.1 Radiation Screen (as needed)	Compatible? (RT#)		The state of the s
TOC ppm (CC Waste Only)? Flash Point (F)		1	
Flash Point (F) >140 pH (S.U.) 6,80 Cyanides? (mg/L) 6,80 Sulfides? (ppm)? 7 Specific Gravity 7,000 Physical Description Stream Consistency Yes No Oil in Sample? Yes No Temperature (F) 60° Conductivity 36 % Solids 7,61°° Turbidity Yes No Color TSS (%) <0.1 Radiation Screen (as needed)		1	
pH (S.U.) Cyanides? (mg/L) Sulfides? (ppm)? Specific Gravity Physical Description Stream Consistency Oil in Sample? Temperature (F) Conductivity % Solids Turbidity Tolor TSS (%) Radiation Screen (as needed)	TOC ppm (CC Waste Only)?		
Cyanides? (mg/L) Sulfides? (ppm)? Specific Gravity Physical Description Stream Consistency Oil in Sample? Temperature (F) Conductivity % Solids Turbidity Color TSS (%) Radiation Screen (as needed)	Flash Point (F)	>	140
Sulfides? (ppm)? Specific Gravity Physical Description Stream Consistency Oil in Sample? Temperature (F) Conductivity % Solids Turbidity Color TSS (%) Radiation Screen (as needed)	pH (S.U.)	6	80
Specific Gravity 2.000 Physical Description Stream Consistency Yes No Oil in Sample? Yes No Temperature (F) 60° Conductivity 36 % Solids 1.64°° Turbidity Yes No Color TSS (%) < 0.1 Radiation Screen (as needed)			
Physical Description Stream Consistency Oil in Sample? Temperature (F) Conductivity % Solids Turbidity Turbidity Color TSS (%) Radiation Screen (as needed)	Sulfides? (ppm)?	1	
Stream Consistency Oil in Sample? Yes No Temperature (F) Conductivity % Solids Turbidity Tolor TSS (%) Radiation Screen (as needed)	Specific Gravity	12	000
Oil in Sample? Temperature (F) Conductivity 36 % Solids Turbidity Color TSS (%) Radiation Screen (as needed)	Physical Description		
Temperature (F) 60° Conductivity 36 % Solids 1.61° Turbidity Yes No Color TSS (%) < 0.1 Radiation Screen (as needed)	Stream Consistency	[Yes No
Conductivity 36 % Solids 1.64** Turbidity Yes No Color TSS (%) < 0.1 Radiation Screen (as needed)	Oil in Sample?		Yes No
Conductivity 36 % Solids 1.64** Turbidity Yes No Color TSS (%) < 0.1 Radiation Screen (as needed)	Temperature (F)	6	0°
Turbidity Yes No Color TSS (%) < 0.1 Radiation Screen (as needed)	Conductivity	30	
Color TS\$ (%) Radiation Screen (as needed)	% Solids	1.	6100
TSS (%) < 0.1 Radiation Screen (as needed)	Turbidity		Yes No
Radiation Screen (as needed)	Color		
	TSS (%)	<	5.1
	Radiation Screen (as needed)		\$6°
Lab Signature/Initials NE	Lab Signature/Initials		NE

RECEIVING INFO	RMATION "
Date	12/16/22
Receiving ID#	202091212
Manifest# Line	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	10:30 12
Time out	
Received by	J.M.
Sampled by	BB

119/22

Compatible? (RT#)			
PCBs (ppm) (Oily Waste Only)? TOC ppm (CC Waste Only)? Flash Point (F)	LAB INFORMAT	ION	44 35
Only)? TOC ppm (CC Waste Only)? Flash Point (F) pH (S.U.) Cyanides? (mg/L) Sulfides? (ppm)? Specific Gravity Physical Description Stream Consistency Oil in Sample? Temperature (F) Conductivity % Solids		V	
TOC ppm (CC Waste Only)? Flash Point (F)	PCBs (ppm) (Oily Waste		
Flash Point (F) pH (S.U.) Cyanides? (mg/L) Sulfides? (ppm)? Specific Gravity Physical Description Stream Consistency Oil in Sample? Temperature (F) Conductivity % Solids > 1,02 Yes No Ves No 21,3 Solids		1	
Cyanides? (mg/L) Sulfides? (ppm)? Specific Gravity Physical Description Stream Consistency Oil in Sample? Temperature (F) Conductivity % Solids Very No Ve	TOC ppm (CC Waste Only)?		
Cyanides? (mg/L) Sulfides? (ppm)? Specific Gravity Physical Description Stream Consistency Oil in Sample? Temperature (F) Conductivity % Solids Very No Ve	Flash Point (F)	> 2	40
Sulfides? (ppm)? Specific Gravity Physical Description Stream Consistency Oil in Sample? Temperature (F) Conductivity % Solids V. D. 2 Ves No Ves No Ves No 21.3 M Conductivity % Solids	pH (S.U.)	6.3	6
Specific Gravity Physical Description Stream Consistency Oil in Sample? Temperature (F) Conductivity % Solids 1.02 Yes No Yes No Yes No 21.3 M	Cyanides? (mg/L)		
Physical Description Stream Consistency Oil in Sample? Temperature (F) Conductivity % Solids Yes No Yes No 21.3 M 21.3 M	Sulfides? (ppm)?		
Stream Consistency Oil in Sample? Temperature (F) Conductivity % Solids Yes No Ves No 21.3 No Conductivity Conductivity Solids	Specific Gravity	1.02	
Oil in Sample? Temperature (F) Conductivity % Solids Yes No 20,2 21,3 No 30,81	Physical Description		
Temperature (F) 68.2 Conductivity 21.3 m/ % Solids 0.81	Stream Consistency	Yes	No
Conductivity 21.3 m/ % Solids 0.81	Oil in Sample?	<u> </u>	
% Solids 0.8\	Temperature (F)		
	Conductivity	21.3	m/_
	% Solids	0.81	
Turbidity Yes No	Turbidity	Yes	No
Color	Color		
TSS (%) (O.)	TSS (%)	₹0.	1
Radiation Screen (as needed)	Radiation Screen (as needed)		
Lab Signature/Initials	Lab Signature/Initials	3.7	7

PEGEWINGNNE	
Date	12 /19 /2:
Receiving ID#	112192201
Manifest# Line	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	9:15
Time out	
Received by	NE
Sampled by	NE

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LABUNEORM.		ONESSES	
Compatible? (RT#)			oralis spilitares
PCBs (ppm) (Oily Waste			
Only)?	Į,	<u> </u>	47
TOC ppm (CC Waste Only)?			
Flash Point (F)	2	140	
pH (S.U.)	7	67	mana metiasa m
Cyanides? (mg/L)			
Sulfides? (ppm)?			F-1;
Specific Gravity	11.	000	
Physical Description			
Stream Consistency		Yes	No
Oil.in Sample?		Yes	No
Temperature (F)	S	30	
Conductivity	10	55	
% Solids	1.	800	
Turbidity		Yes	No
Color	Π		
TSS (%)	<	0.4	Mineral Co.
Radiation Screen (as needed)		The state of the s	Tari
Lab Signature/Initials		NE	

RECEIVING INFOR	MATION 1
Date	12/19/22
Receiving ID#	I17197207
Manifest# Line	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	13:00
Time out	
Received by	は、は、
Sampled by	TC

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LAB INFORMAT	ION /	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	7.0	10
pH (S.U.)	7.0	6
Cyanides? (mg/L)	<u> </u>	1
Sulfides? (ppm)?		
Specific Gravity	1.0	2
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	57,	
Conductivity	23.1	0 m5
% Solids	0.8	86
Turbidity	Yes	No
Color		
TSS (%)	\)
Radiation Screen (as needed)		entite a company of the company of t
Lab Signature/Initials	(ブ・ナ)	
		-

RECEIVING INFO	ORMATION
Date	12/19/22
Receiving ID#	V12192203
Manifest# Line	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	10:10 17/20
Time out	
Received by	(5. r)
Sampled by	TM

LAB INFORMA	HUN'	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		سعب سيب
Flash Point (F)	>1 % 7.01	<u>) </u>
pH (S.U.)	7.01	<u> </u>
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.02	
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	フン.	
Conductivity	327	<u>~5_</u>
% Solids	1.36	
Turbidity	Yes	No
Color		
TSS (%)	100	
Radiation Screen (as needed)		*
Lab Signature/Initials	5.)	7

RECEIVING INFO	RMATION
Date	112/19/22
Receiving ID#	R17197204
Manifest# Line	
Land Ban Cert included	Yes - No
EGT Approval #	-
Generator	
Client	
Transporter	
Time in	15:10/12/20-2
Time out	
Received by	() y) - ()
Sampled by	B(5)

LAB INFORMAT	ION	
Compatible? (RT#)	V	
PCBs (ppm) (Oily Waste	1	
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	>140	
pH (S.U.)	6.81	
Cyanides? (mg/L)		un mehenye en e
Sulfides? (ppm)?		
Specific Gravity	1.02	- ,
Physical Description		No. and the second
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	72.5	
Conductivity	35.3	<u>~\\</u>
% Solids	1.95	
Turbidity	Yes	No
Color		
TSS (%)	40.)	
Radiation Screen (as needed)		
Lab Signature/Initials	サード	

RECEIVING INFO	Žira <u>viča</u> gioja
Date	1/2 /20 / 22
Receiving ID#	112202201
Manifest# Line	
Land Ban Cert included	Yes - No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	7:00
Time out	
Received by	J J.M
Sampled by	NIZ

LAB INFORMA	Ť	(7) N
Compatible? (RT#)	T	2 m 2 m 2 m 2 m 2 m 2 m 2 m 2 m 2 m 2 m
PCBs (ppm) (Oily Waste Only)?		
TOC ppm (CC Waste Only)?	T	
Flash Point (F)	>	140
pH (S.U.)	6	91
Cyanides? (mg/L)	L	
Sulfides? (ppm)?		
Specific Gravity	1.	000
Physical Description	Ι	
Stream Consistency		Yes No
Oil in Sample?		Yes No
Temperature (F)	5	50
Conductivity	30	5
% Solids	1	62%
Turbidity		Yes No
Golor		
TSS (%)	<	0.1
Radiation Screen (as needed)		to the state of th
Lab Signature/Initials		るかりから
		D-

RECEIVING INFO	RMATION:
Date	12/20/22
Receiving ID#	112202202
Manifest# Line	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	112:20
Time out	
Received by	J-H
Sampled by	

LAB INFORMA	ION :	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)		> 140
pH (S.U.)	0,0	<i>9</i> 0
Cyanides? (mg/L)	<u> </u>	
Sulfides? (ppm)?		
Specific Gravity	11.0	52_
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	6	9.2
Conductivity	3y.	2-mc
% Solids		19 '
Turbidity	Yes	No
Color		·
TSS (%)	1 4	0-)
Radiation Screen (as needed)		$\Delta \Lambda$
Lab Signature/Initials		X JK
		· • [· •

	14
RECEIVING INFO	RMATION ()
Date	12/20/22
Receiving ID#	1212202203
Manifest # Line	
Land Ban Cert included	Yes - No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	57
Sampled by	1 66
	. 11

LAB INFORMAT	ION	4.7
Compatible? (RT#)	V	
PCBs (ppm) (Oily Waste		
Only)?	<u> </u>	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
TOC ppm (CC Waste Only)?		· · · · · · · · · · · · · · · · · · ·
Flash Point (F)	>140)
pH (S.U.)	5.48	3
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.03	>
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	71.8	}
Conductivity	35,3	<u>رم ځ</u>
% Solids	1.86)
Turbidity	Yes	No
Color		
TSS (%)	(6.1	
Radiation Screen (as needed)		***
Lab Signature/Initials	$\sigma_{\mathcal{I}}$	

RECEIVING INFOR	
Date	17/21/22
Receiving ID#	[1521221]
Manifest # Line	
Land Ban Cert included	Yes No
EGT Approval #	•
Generator	
Client	
Transporter	
Time in	8740
Time out	
Received by	ひ.だ.
Sampled by	Ta

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		,
LAB INFORMAT		
Compatible? (RT#)	yes_	
PCBs (ppm) (Oily Waste		
Only)?	-	
TOC ppm (CC Waste Only)?		
Flash Point (F)	7140	
pH (S.U.)	6.85	
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.00	anne de la company
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	56	
Conductivity	34.2	
% Solids	0.41	
Turbidity	Yes	No
Color		
TSS (%)	4.1	
Radiation Screen (as needed)		
Lab Signature/Initials	16	

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RECEIVING INFO	PRMATION
Date	12/21/22
Receiving ID#	1/22/2202
Manifest # Line	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	11:30
Time out	
Received by	0.7)
Sampled by	WE

LAB INFORMAT	ION:	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		1
Only)?	<u> </u>	
TOC ppm (CC Waste Only)?		
Flash Point (F)	>/3	<u>?() </u>
pH (S.U.)	6.1	70
Cyanides? (mg/L)	<u></u>	
Sulfides? (ppm)?		
Specific Gravity	1.03	
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	(0).	4
Conductivity	41.1	<u>i~</u> \$
% Solids	1.60	
Turbidity	Yes	No
Color		
TSS (%)	10.)
Radiation Screen (as needed)		
Lab Signature/Initials	J	<u>/</u>
	1	*

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RECEIVING INFOR	MATION
Date	12/21/22
Receiving ID#	F12212203
Manifést# Line	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.n.
Sampled by	1 66

LABINFORMAT	ION
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste	
Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	<u>5 38</u>
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	66.D
Conductivity	25.2m3
% Solids	1.46
Turbidity	Yes No
Color	
TSS (%)	107
Radiation Screen (as needed)	
Lab Signature/Initials	KI
· · · · · · · · · · · · · · · · · · ·	11

RECEIVING INFO	RMATION
Date	12/22/22
Receiving ID#	12122226
Manifest# Line	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	<u> </u>
Time in	07:70
Time out	
Received by	J.+)
Sampled by (5, 9) -	15.13 J.F
	· 4

LAB INFORMA	(T)(ON .	
Compatible? (RT#)			
PCBs (ppm) (Oily Waste	\prod		
Only)?	Щ.		
TOC ppm (CC Waste Only)?	Ш		
Flash Point (F)		A MARKETTA	
pH (S.U.)		5.9	3
Cyanides? (mg/L)			
Sulfides? (ppm)?		·	
Specific Gravity		1.0	2
Physical Description			
Stream Consistency	Ш	Yes	No
Oil in Sample?	Ш	Yes	No
Temperature (F)		6	37
Conductivity	Ш	20	<u> 18' 5</u>
% Solids	11	1.	26
Turbidity		Yes	No
Color	Щ.		
TSS (%)	17)	24- Oil
Radiation Screen (as needed)	1	· On idea	**.
Lab Signature/Initials		J.	>)

RECEIVING INFOR	MATION
Date	12/22/22
Receiving ID#	I12222202
Manifest # Line	
Land Ban Cert included	Yes No
EGT Approval #	-
Generator	
Client	
Transporter	1 0 x
Time in	12/26 13/30
Time out	
Received by	3.17
Sampled by) Jin

AC INTOCHACE	i Civi	
LAB INFORMAT	ICIN .	
Compatible? (RT#)	1	
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)		
pH (S.U.)	5.86	,
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.03	
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	68,)	
Conductivity	306	<u>ns </u>
% Solids		
Turbidity	Yes	No
Color		
TS\$ (%)	101	
Radiation Screen (as needed)		5°
Lab Signature/Initials	(リップ)	

RECEIVING INFOR	MATION
Date	2/23/22
Receiving ID#	2232201
Manifest # Line	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	,
Transporter	
Time in	2:10
Time out	
Received by	VE
Sampled by	NE
·	II .

	2240		
LAB INFORMA	Ţ	ION	
Compatible? (RT#)			
PCBs (ppm) (Oily Waste	l		
Only)?	L		
TOC ppm (CC Waste Only)?			
Flash Point (F)	L	140	
pH (S.U.)	3	.79	· · · · · · · · · · · · · · · · · · ·
Cyanides? (mg/L)	L		
Sulfides? (ppm)?	L		
Specific Gravity	[.010	
Physical Description	L		
Stream Consistency	L	Yes	No
Oil in Sample?		Yes	No
Temperature (F)	5	1°	
Conductivity	3	6.8	
% Solids	١.,	02900	
Turbidity		Yes	No
Color			
TSS (%)	<	0.1	
Radiation Screen (as needed)			
Lab Signature/Initials		NE	

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RECEIVING INFOR	٤٨	ACTION 1
Date	L	12/23/22
Receiving ID#	I	12232262
Manifest # Line		
Land Ban Cert included		Yes No
EGT Approval #		-
Generator		
Client		
Transporter	L	
Time in	1	0:15
Time out	1	
Received by	1	U.F.
Sampled by	1	VE

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¥7	ION	
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1	<u></u>	
1	No No	
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4	61 6.88	
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	1.000	
1		
1	Yes	No
1	Yes	No
(\$4.9	·
_	6.5	
	1.8200	
	Yes	No
(0.2500	
	<u></u>	
\perp	NE	
		Yes Yes 54.9 36.5 1.82** Yes

RECEIVING INFOR	MATION
Date	12/23/22
Receiving ID#	I12232203
Manifést# Line	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	15.15
Time out	
Received by	コル
Sampled by	Tio
	II .

LAB INFORMA	TION	
Compatible? (RT#)		-
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	1 >1	y <i>O</i>
pH (S.U.)	10.7	39
Cyanides? (mg/L)		
Sulfides? (ppm)?		-
Specific Gravity	1.0	2
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)		64
Conductivity	37	005
% Solids	1.4	7
Turbidity	Yes	No
Color		
TSS (%)	<	<u> </u>
Radiation Screen (as needed)		
Lab Signature/Initials	フ .*	<u>r)</u>
	-	,

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RECEIVING INFOR	MATION
Date	12/27/22
Receiving ID#	T12272201
Manifest # Line	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	7:00
Time out	
Received by	NE
Sampled by	NE

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	Ï		
Compatible? (RT#) PCBs (ppm) (Oily Waste	+		
Only)?			
	+		
TOC ppm (CC Waste Only)?	+,		
Flash Point (F)	ļ.	<u>>110</u>	
pH (S.U.)	Ţ	7.16	
Cyanides? (mg/L)	l		
Sulfides? (ppm)?			
Specific Gravity	ŀ	1.000	and the second
Physical Description			
Stream Consistency	l	Yes	No
Oil in Sample?		Yes	No
Temperature (F)	1	51	
Conductivity		33. <i>8</i>	
% Solids	1	1.80°	
Turbidity		Yes	No
Color			
TSS (%)	ŀ	(0.1	
Radiation Screen (as needed)	-		
Lab Signature/Initials	1	NE	

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RECEIVING INFO	RN		
Date	1	2/2	7/22
Receiving ID#	j	12275	2202
Manifest# Line			
Land Ban Cert included		Yes	No
EGT Approval #			
Generator			
Client			<u></u>
Transporter			
Time in		0:06	
Time out			
Received by		<u> </u>	H
Sampled by	Δ	15	

LAB INFORMA	TION .	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?	4	
TOC ppm (CC Waste Only)?		
Flash Point (F)	>740	
pH (S.U.)	7.3	4
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.0	<u> </u>
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	62	\
Conductivity	35.6	10-3
% Solids	2.20	>
Turbidity	Yes	No
Color		
TSS (%)	LD.	<u> </u>
Radiation Screen (as needed)		·
Lab Signature/Initials	了.)>>	

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RECEIVING INFOR	RMATION:
Date	12/21/22
Receiving ID#	712272203
Manifest # Line	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	0.7/
Sampled by	I En

LAB INFORMAT	ION ·	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?	<u> </u>	
TOC ppm (CC Waste Only)?		
Flash Point (F)	>140	
pH (S.U.)	7.27	
Cyanides? (mg/L)		<u>,</u>
Sulfides? (ppm)?		
Specific Gravity	1.02	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	55.5	
Conductivity	363	<u> </u>
% Solids	1.57	
Turbidity	Yes	No
Color		
TSS (%)	(0-)	
Radiation Screen (as needed)		
Lab Signature/Initials	(代正	

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RECEIVING INFOR	MATION
Date	12/27/22
Receiving ID#	I12272204
Manifest# Line	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	The state of the s
Time out	
Received by	J.H-
Sampled by	AW

LAB INFORMAT	ION	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	>140	
pH (S.U.)	7.28	
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.02	
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	70	6
Conductivity	35.7	<u>~5</u>
% Solids	3.27	
Turbidity	Yes	No
Color		
TSS (%)	401	1
Radiation Screen (as needed)		· · · · · · · · · · · · · · · · · · ·
Lab Signature/Initials	J.H.	

		and the second second second
RECEIVING INFOR	UV	IATION
Date	\coprod	2/28/22
Receiving ID#	L	2282201
Manifest# Line		
Land Ban Cert included		Yes - No
EGT Approval #		-
Generator	L	
Client		
Transporter	L	
Time in		7:00
Time out	L	
Received by	Λ	lE .
Sampled by	Λ	E

	196 Take		
LAB INFORMA	Œ	ION .	
Compatible? (RT#)			
PCBs (ppm) (Oily Waste			
Only)?	L		
TOC ppm (CC Waste Only)?			· · · · · · · · · · · · · · · · · · ·
Flash Point (F)		140	
pH (S.U.)		7.24	
Cyanides? (mg/L)			
Sulfides? (ppm)?			
Specific Gravity	1	.000	
Physical Description			
Stream Consistency		Yes	No
Oil in Sample?		Yes	No
Temperature (F)	5	40	
Conductivity	3	1.6	
% Solids	1.0	50%	
Turbidity		Yes	No
Color			
TSS (%)	<	0.1	
Radiation Screen (as needed)	-		
Lab Signature/Initials	Ц	NE	

RECEIVING INFO	5 V	MOITAN
Date		12/28/22
Receiving ID#	9	T12282202
Manifest # Line	I	
Land Ban Cert included		Yes No
EGT Approval #		-
Generator		
Client		
Transporter		
Time in		
Time out	L	
Received by		(7.7)
Sampled by		Jim
		()

LAB INFORMA	IION .	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?	<u> </u>	
TOC ppm (CC Waste Only)?	-	THE PARTY OF THE PARTY
Flash Point (F)		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
pH (S.U.)	7.2	4
Cyanides? (mg/L)		<u></u>
Sulfides? (ppm)?		
Specific Gravity	1.0	2
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)		
Conductivity	33.3	
% Solids		
Turbidity	Yes	No
Color		······································
TSS (%)	10	<u> </u>
Radiation Screen (as needed)	/	1
Lab Signature/Initials		JK

Receiving & Departure Approval Form

Revision 6 1/20/20

PIECEWING WES	DESCRIPTION TO I
RECEIVING INFO	DRMATION 55T-/
Receiving ID#	I12282203
Manifest # Line	
Land Ban Cert included	Yes No
EGT Approval #	·
Generator	
Client	
Transporter	
Time in	0800/12-29-22
Time out	
Received by	J.77.
Sampled by	Tes
	FI

LAB INFORMAT	TION	
Compatible? (RT#)	1	
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	2140	
pH (S.U.)	7.39	
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.02	_
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	724	
Conductivity	351,	<u>~{</u>
% Solids	2.08	
Turbidity	Yes	No
Color		·
TSS (%)	(0)	
Radiation Screen (as needed)		· · · · · · · · · · · · · · · · · · ·
Lab Signature/Initials	3.17	

	14.
RECEIVING INFOR	
Date	12/28/22
Receiving ID#	I12282204
Manifést# Line	
Land Ban Cert included	Yes No
EGT Approval #	•
Generator	
Client	
Transporter	
Time in	5800/12-29.
Time out	
Received by	J.H.
Sampled by	AW
	1

LAB INFORMA	TION:	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	>14	<u> </u>
pH (S.U.)	7.2	9
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.02	
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	71.2	
Conductivity	34.4	~~
% Solids	2.92	
Turbidity	Yes	No
Color		
TSS (%)	400	
Radiation Screen (as needed)		er er er er er er er er er er er er er e
Lab Signature/Initials	K.D	

MATION
12/29/22
112292201
Yes No
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	e la		
LAB INFORMA	Ņ	ION .	
Compatible? (RT#)	1		
PCBs (ppm) (Oily Waste			
Only)?	Ļ		
TOC ppm (CC Waste Only)?	1		
Flash Point (F)	ľ	>140	
pH (S.U.)	ŀ	7.24	,iii
Cyanides? (mg/L)	l		
Sulfides? (ppm)?	1		·
Specific Gravity	1	.000	
Physical Description	1		
Stream Consistency	l	Yes	No
Oil in Sample?	l	Yes	No
Temperature (F)	ľ	54°	
Conductivity	ļ.	6.1	
% Solids	Ċ	2.23°/0	
Turbidity		Yes	No
Color			
TSS (%)	ŀ	< 0.1	
Radiation Screen (as needed)	the state of		
Lab Signature/Initials	l	NE	

RECEIVING INFORM	
Date	12/29/22
Receiving ID#	12/29/22
Manifest# Line	
Land Ban Cert included	Yes No
EGT Approval #	•
Generator	
Client	
Transporter	<u> </u>
Time in	
Time out	
Received by	17.71
Sampled by	0
Time out Received by	J.#)_

ION	
7.30)
	· · · · · · · · · · · · · · · · · · ·
<u> </u>	,, <u>, </u>
1.02	
Yes	No
Yes	No
63.	1
34.8,	<u>.)</u>
2.62	
Yes	No
104	
」 ゴガ	
	>11 7.30 1.02 Yes Yes 63 34.8, 2.62

	A Marin David
RECEIVING INFOR	MATION
Date	12/29/22
Receiving ID#	I12292203
Manifest # Line	
Land Ban Cert included	Yes No
EGT Approval #	-
Generator	
Client	
Transporter	
Time in	X oor
Time out	
Received by	JH
Sampled by	AW

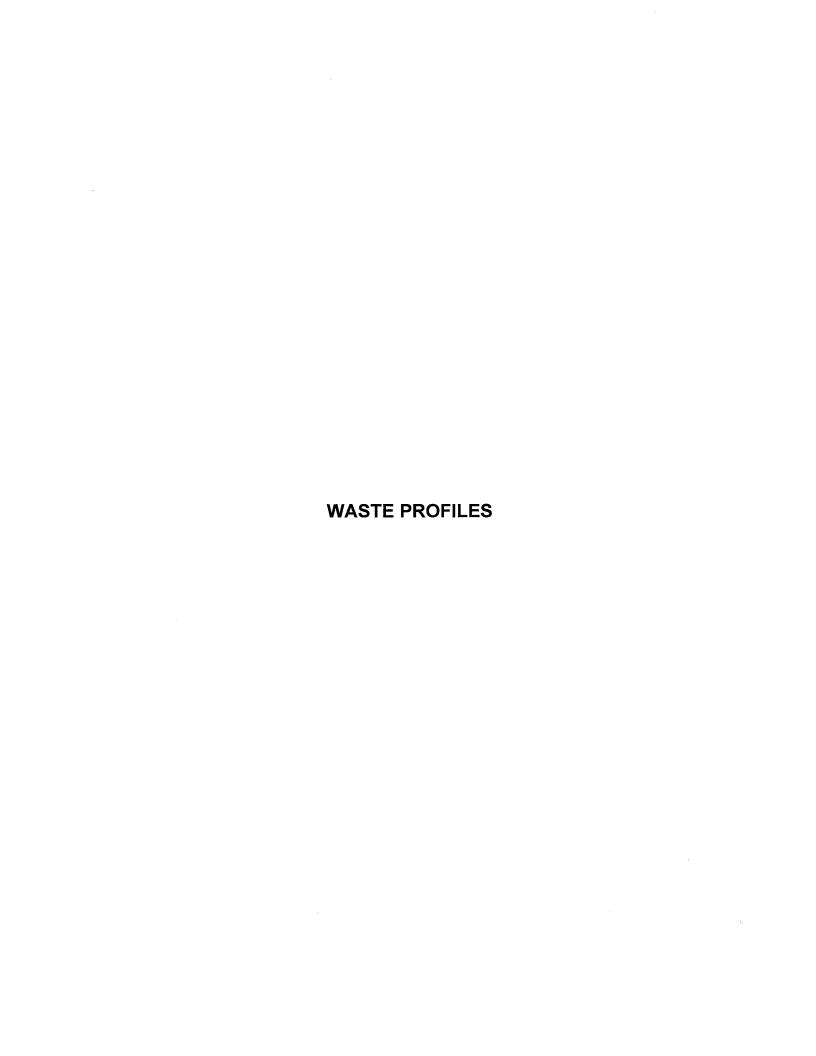
LAB INFORMAT	ION	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
TOC ppm (CC Waste Only)?		
Flash Point (F)	>1	<i>y0</i>
pH (S.U.)	7.2	8
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.02	
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	7.3	0
Conductivity	34.5	·~)
% Solids	1.87	
Turbidity	Yes	No
Color		<u></u>
TSS (%)	501	
Radiation Screen (as needed)		
Lab Signature/Initials	2,7)	

	A Property of the Control of the Con
RECEIVING INFO	RMATION -
Date	12/30/22
Receiving ID#	1/2302201
Manifést # Line	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	⊅:30
Time out	
Received by	NE
Sampled by	WE

			
LAB-INFORMA	1	ION	<i>1</i>
Compatible? (RT#)			·
PCBs (ppm) (Oily Waste			
Only)?	ļ	 	
TOC ppm (CC Waste Only)?	1		
Flash Point (F)	ľ	140	
pH (S.U.)	ŀ	7.60	
Cyanides? (mg/L)			
Sulfides? (ppm)?			
Specific Gravity	ľ	.000	
Physical Description			
Stream Consistency	l	Yes	No
Oil in Sample?	l	Yes	No
Temperature (F)	4	54°	
Conductivity	(9.7	
% Solids	4	1.2700	
Turbidity		Yes	No
Color			
TSS (%)		(0.1	
Radiation Screen (as needed)	***************************************		· · · · · · · · · · · · · · · · · · ·
Lab Signature/Initials		NE	

RECEIVING INFOR	Į,	IATION
Date		12/30/22
Receiving ID#	_	E12302202
Manifést# Line		
Land Ban Cert included		Yes No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		V3/23 8/36
Time out		
Received by		J.H
Sampled by		
l to the second of the second	- 1	1

LAB INFORMAT	ION	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	2140	
pH (S.U.)	10.83	
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.07	
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	725	
Conductivity	24.2	mS
% Solids	0.94	
Turbidity	Yes	No
Color		
TSS (%)	101	
Radiation Screen (as needed)		<u> </u>
Lab Signature/Initials	3.11	



-&-	Danub	lio Sonii	200
REPUBLIC" SERVICES		Olic Servic	
SF	PECIAL WASTE DE		
· · · · · · · · · · · · · · · · · · ·	Waste Profile # 64402216791	Expiration Date 10/31/2023	
I. Decision Request:		rtification	nge
Disposal Facility: 6440 - Detroit Ind Well			
Generator Name: VALICOR ENVIRONMENTA	L SERVICES		
Generator Site Address: 6011 WYOMING City: DEARBORN	County:	State: MI	Zip:
Name of Waste: WASTE PHENOL DISTILLAT			
Estimated Annual Volume: 600,000 Gallons			
II. Special Waste Department Decision	on: Approve	d ORejected	
Management Method(s): Landfill	Solidification B	ioremediation	p Well Transfer Facility
Problematic Special Waste according to Re	public? O Yes	No ·	
If yes, which one?			
Approved by Special Waste Review Commit	tee? Oyes On	lo Not Applicable	
prior to acceptance and disposal of the p			ordance with the site's permit requirements
	:		
Special Waste Analyst Signature:			Name (Printed): <u>KEITH DIAMANTI</u>
III. Facility Decision:		Approved ORejected	
-	recautions, Conditions		nroval
		J. Zillinativilo vii Ap	
By signing below, the General Manager or Des	ionee agrees that a fully exec	uted Special Waste Service	Agreement is on file for this profile and that the
special waste file is complete.			
Conoral Manager or Designee	has to	Name (Printed):	JOHN FROM
General Manager or Designee:		rance (Fillicul, 🍆	
Date: 12/7/2022		· · · · · · · · · · · · · · · · · · ·	
Date: 12/7/2022		,	

			, <u>, , , , , , , , , , , , , , , , , , </u>			
GENERATOR INFOR Name: Valicor En	vironmental Services					
Facility Address: 601	1 Wyoming					
City: Dearborn				Zip Cod		
Contact: Michael D	rops Tille: Q	A/OC Manager Phone: (+ :	,) 582-803	2 Fax: (s	,, <u>582</u>	-1422
BILLING INFORMAT	пои	🖾 SAME AS A	BOVE			
Company Name:					•	
Attention:	Title:	Phone: ()(Fax: (}	
-phonoi distillate so	Naste (Please <i>he specific, inc</i> lution from production tank cla le solution is used	complete information may ean outs between balche:	delay the epp	proval process):		-
phenol distillate so phenol in distillate use the phenol in distillate usepa / STATE WAS 1. This waste is const 2. Regulated by TSC/	te solution is used TE IDENTIFICATION dered to be: 2 Non R7 CIYES 2No (PCBs, etc.)	complete information may con outs between balche. Hazardous Liquid Industri			aște	
phenol distillate so phenol in distillate use phenol in distillate usepa/state was 1. This waste is constant 2. Rogulated by TSC/3. List ALL Applicable	Interpretation to the second s	ean outs between balthe.			aste	
phenol distillate so phenol in distillate use phenol in distillate usepa/state was 1. This waste is considered by TSC/3. List ALL Applicable PHYSICAL CHARACT	NOTION FROM PRODUCTION THE IDENTIFICATION DEPOS AND (PCBs, etc.) OWASIE CODES: N/A CTERISTICS OF WASTE	ean outs between balthe.				
phenol distillate so phenol in distillate use phenol in distillate usepa/state was 1. This waste is constant 2. Rogulated by TSC/3. List ALL Applicable	Interpretation to the second s	enn ouls between balche. 1 Hazardous Liquid Industri	al Waste	☐ Hazardous W	iy:	
phenol distillate so phenol in distillate use phenol in distillate usepa/state was 1. This waste is considered by TSC/3. List ALL Applicable physical characteristics.	Interest Int	Hazardous Liquid Industri Layera: Cl Si-Layer	al Waste	☐ Hazardous W. Specific Gravi ☐ <0.8	ny: 1.2	
phenol distillate so phenol in distillate so phenol in distillate users of the constant of the	Action from production tank is to solution is used STE IDENTIFICATION dered to be: 28 Nor AT CLYSS AINO (PCBs, etc.) Waste Codes: N/A CTERISTICS OF WASTE Suspended Solida 0.1 % 0.3-5 % 21-3 % 0.>5%	Layera: C Si-Layer Single P	ai Waste	Specific Gravi	ny: 1.2 1.4	
phenol distillate so phenol in distillate so phenol in distillate so phenol in distillate so phenol in distillate so phenol in distillate so so so so so so so so so so so so so	Action from production tank size solution is used STE IDENTIFICATION dered to bo: 28 Non AT CLYSS 28No (PCBs, etc.) Waste Codes: N/A CTERISTICS OF WASTE Suspended Solida D 0-1 % D 3-5 % 2 J 2 J 4 24 4 — 6	Layera: C Si-Layer Single F	al Waste	Specific Gravi Specific Gravi <0.8	sy: 1.2 1.4	aed Cu
phenol distillate so phenol in distillate so phenol in distillate the phenol in distillate the phenol in distillate the phenol in distillate the phenol in distillate so phenol in distillate so phenol in distillate so phenol in distillate so phenol in distillate so phenol in distillate so phenol in distillate so phenol in distillate so phenol in distillate so phenol in distillate so phenol in distillate so phenol in distillate so phenol in distillate so phenol in distillate so phenol in the phenol in t	Attention from production tank side solution is used ATTE IDENTIFICATION dered to be: ATTENTIFICATION OWASIC CODES: N/A CTERISTICS OF WASTE Suspended Solids 0-1% 0-3-5% 2-1-3% 0-5% 2-1-3% 0-5%	Layera: Lay	al Waste	Specific Gravi Specific Gravi <0.8 91.0 0.8-1.0 0.1.3 Exact / Other 0-12.5 0 > 12.1 2 > 200°F 0 No	sy: 1.2 1.4	sed Cu
phenol distillate and phenol in distillate and phenol in distillate the phenol in distillate the phenol in distillate the phenol in distillate the phenol in distillate and phenol in distillate and phenol in distillate and phenol in distillate and phenol in distillate and phenol in distillate and phenol in distillate and phenol in distillate and phenol in distillate and phenol in distillate and phenol in distillate and phenol in distillate and phenol in the phe	te solution is used TE IDENTIFICATION dered to be: WA? (1)Yes WNO (PCBs, etc.) Waste Codes: N/A ETERISTICS OF WASTE Suspended Solids 0 0-1 % 0 3-5 % 2 1-3 % 0 > 5% Public Codes: 100 Codes Public Codes 10 < 73 °F (1) 73 100 No 0 ppm	Layera: Lay	al Waste cred feed finase 128 8-10 :J 10 141200*F COMPLETED)	Specific Gravi Specific Gravi C < 0.8 M 1.0 1.3 Exact / Other 0 — 12.5 2 > 200° F O No	ny: 	sed Cu
phenol distilate an ophenol in distillate an ophenol in distillate the phenol in distillate the phenol in distillate the phenol in distillate and phenol in distillate and phenol in distillate and phenol in distillate and phenol in distillate and phenol in distillate and phenol in distillate and phenol in distillate and phenol in distillate and phenol in distillate and phenol in distillate and phenol in the phenol in distillate and phenol in the p	Attention from production tank side solution is used ATTE IDENTIFICATION dered to be: ATTENTIFICATION OWASIC CODES: N/A CTERISTICS OF WASTE Suspended Solids 0-1% 0-3-5% 2-1-3% 0-5% 2-1-3% 0-5%	Layera: Lay	al Waste cred feed finase 128 8-10 :J 10 141200*F COMPLETED)	Specific Grav Specific Grav 0 < 0.8 — 1.0 □ 1.3 - Exact / Other 0 — 12.5 □ > 12.1 2 > 200°F □ No	ny: 	
phenol distillate so phenol in distillate so phenol in distillate the phenol in distillate the phenol in distillate the phenol in distillate the phenol in distillate so phenol in distillate so phenol in distillate so phenol in distillate so phenol in distillate so phenol in distillate so phenol in distillate so phenol in distillate so phenol in distillate so phenol in distillate so phenol in distillate so phenol in distillate so phenol in the phe	Action from production tank side solution is used THE IDENTIFICATION dered to be: AT CLYSS AING (PCBs, etc.) Waste Codes: N/A CTERISTICS OF WASTE Suspended Solids 0-1% 0-3-5% 21-3% 0-5% 21-3% 0-5% 21-3% 0-5% 21-3% 0-5% 21-3% 0-5% 21-3% 0-5%	Layera: Layera: Multi layer Single P 101—140°F U PPM (MUST BE	al Waste ored fied finase 141—200°F COMPLETED) 00% (LIST EACH CONSTIT	Specific Grav Specific Grav 0 < 0.8 — 1.0 □ 1.3 - Exact / Other 0 — 12.5 □ > 12.1 2 > 200°F □ No	ny: 	sed Cu

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s: Indicate if this	Energy Solut	ions - 28470 C	trin Oriva -	Romulus • 144 • 481	74		Was	le Profile - Pa	ige 2
MORE MINNING	wasta conta	ins any of the fo takup 🗹 Lab Ar	Mowing mo Jalysis id (itals Generator Knowleds	O ATCLP LITOT	AL,			
1	Not Concer	nouteste	Not	Concentration	Arsenic (As)	D004	A <5	ppm	ppm
Pr	esent		Present		Barium (Ba)	D005	al <100	ppm	ppm
	20 pp	m Aromatic Ar	nne 🎻	ppm	Codmium (Cd)	D006	⊿ <1	ppm	ppm
ins	ad pp	m Pesticides	1	ppm	Chromium (Cr)	D007	25 45	ppm	ppm
idas Roactiva	⊿ pp	m Rodenlicido	s s,	ppm	Load (Pb)	8000	24 45	ppm	ppm
ides Total	Z pp	m Fungicides	22	ppm	Mercury (Hg)	D009	2 <02	ppm	ppm
Jes Reactive	24 pp	n			Selenium (So)	D010	⊿ <1	ppm	bbw
es Tolai	D pp	n			Silver (Ag)	D011	A <5	ppm	ppm
Organics D01	12 — 0043	above regulati	ary fimits;	Present 🗵 Not Pr	osent 🕰				
ASTE ANY OF	F THE FOLL	OWING?	A17	east One Box Mus	l Bo Chocked.				
dioactive U	Water Red	ictivo 🐸 Ox	idizar (2 Shock Sensitive	a - U Resclive (other) upo)T Explosi	r05	
SH Human-Po	sitivo Carcin	ogans 🗀 NE:	SHAP Was	ites (Benzeno, olc.)	크 Biological 결N	one Apph	1		
IPPING INF s this a DOT H Reportable Cuant	lazardous	Material (490		01 & 173 Subpa	rt D)? Xi Yos	n No			
OT Shipping N	omo	phenol solu	tion			Hazard	Class 6.1	UN/NA	UN2821
ERG.	153 H	azardous Cons	tituents fo	r "n.o.s."					
leined of Shipmi lumber of Units I lpocial Handling micul resistant	lo Ship Now Requireme	ents including f	PPE:	6. Anticipated V	il Car Li Drum olume / Units per Year:		gal/mon		One Time
thed document motion, the info trial fact has be	and warrant s. Based on primation co pen omitted processing to I request	I that I have po i my inquiry an intelled herein as to make thi of the waste o Republic Indus it with the result	d persona is true, as s informat noterial de trial & Ence	I knowledge of the curate, and comp ion misleading. I s iscribed herain. rgy Salubons not to	amiliar with the information into the information in the information in the information in the information in the information in the information in and/or regulatory requirements.	ible for s inowledg may rely ias. Any c irements	upplying o e and belic on this rep corrections i	r obtaining fl f. Furthermo resentation Republic Indu	he ore, no and wattently istrial & Energ
ons makes will	chael Drop	}}	<u> </u>			11110		Manager	
ions makes will ad Namo: Mic			Q.			Tillo Date	400040		
tions makes will ted Name: Mic crator's Signature NERATOR's te described in the	e:	OF CUSTO oferenced GENI ble sampling me presentative sa	ERATORS 1 Shods cite	NASTE PROFILE RE 1 in 40 CFR 261-Ap ur wasto, plasso co	UCTIONS: PLEASE PORT using an approp pendix 1. Fill in the sam ntact your Republic Indu	Date collect a riale conl pling infer	representa siner. A re	022 tive 1-quarts presentative e spaces pro	sample of the
tions makes will ted Name: Mic Mic prator's Signature NERATOR'S to described in timed using any onave problems on esentative. AMPLING METHOD	o: CHAIN the above re of the applications or re	OF CUSTO plerenced GENI ble sampling me presentative sa	ERATORS I chods cite imple of you ECTION P	VASTE PROFILE HE 3 in 40 CFR 281-Ap ur wasto, ploaso co OINT	PORT using an approp pendix 1. Fill in the sam	Date collect a riale conl pling infer	representa siner. A re	022 tive 1-quarts presentative e spaces pro	sample of the
ons makes will d Name: Mic alor's Signature ERATOR'S described in ded using any o vor problems o	o:	OF CUSTO plerenced GENI ble sampling me presentative sa Collin Co	ERATORS 1 ethods clos mple of you ECTION P EMPLOY DESCRIPTION	WASTE PROFILE RE I in 40 CFR 281-Ap ur waste, please co	PORT using an approp pendix 1. Fill in the sam nlact your Ropublic Indu	Collect a riale con pling later strial & Er	represents siner, Are mation in the largy Solution	022 tive 1-quarts presentative a spaces pro ons	sample of the sample is or vided below. I
ons makes will d Name: Mic alor's Signature lERATOR'S described in led using any o tro prolloms o tentative. MPLE COLL triple No. HAIN OF CUS	o:	OF CUSTO plerenced GENI ble sampling me presentative sa Collin Co	ERATORS 1 ethods clos mple of you ECTION P EMPLOY DESCRIPTION	WASTE PROFILE RE I in 40 CFR 281-Ap ur waste, please co	PORT using an approp pendix 1. Fil in the sam nizet your Republic Indu	Collect a riale con pling later strial & Er	represents siner, Are mation in the largy Solution	022 live 1-quarts presentative a spaces pro pons	sample of the sample is or vided below. I

RECEIVING & APPROVAL FORM

	INTO CALLA HARON CALLAN	A DONAT COLUM
MEN CONTRACTOR OF THE PROPERTY	PERMITTED	
Date	11 /8 / 22	
Receiving ID#	waste Phe	INDITIONE Sol,
Manifest# Line		7
Land Ban Cert included	Yes No	
EGT Approval #	•	
Generator	Valital EN	USUC.
Client		
Transporter		
Time in		
Time out		
Received by	J.H.	
Sampled by	5)	
······································		annini

	Commence of the second	
ENGINEERS PARTITIONS	烈态//整理	
Compatible? (RT#)	1	
PCBs (ppm) (Oily Waste	コレラ	
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	>170)
pH (S.U.)	(イックット)	
Cyanides? (mg/L)	430)
Sulfides? (ppm)?	L 2	-00
Specific Gravity	1	1,00
Physical Description	Laps	<u> </u>
Stream Consistency	Yes '	No
Oil in Sample?	Yes	(140)
Temperature (F)	71.5	7
Conductivity	1.20	کِی، ا
% Solids	0.3	6
Turbidity	(Yes)	Nö
Color	DKBBB	مولين
TS\$ (%)	201	
Radiation Screen (as needed)	Nea.	
Lab Signature/Initials		J.H.

(See Attached Lab Notes)

I. Decision Request: Disposal Facility: 6440 - Detroit ind Well	18500 N. All ECIAL WASTE DEF Waste Profile # 64402217086	lic Service ied Way, Phoenix, AZ 85054 PARTMENT DECISIO Expiration Date 11/28/2023	
I. Decision Request: Disposal Facility: 6440 - Detroit ind Well	ECIAL WASTE DEP Waste Profile # 64402217086	ARTMENT DECISION Expiration Date	N
I. Decision Request: Disposal Facility: 6440 - Detroit ind Well	Waste Profile # 64402217086	Expiration Date	
I. Decision Request: Disposal Facility: 6440 - Detroit ind Well	64402217086		
Disposal Facility: 6440 - Detroit Ind Well	✓ Initial ☐ Recerti	11/20/2023	
		ification	
Generator Name: BIG RUN POWER PRODUCE			
Generator Site Address: 2238 RIVER CITITES			
	County:	State: KY	Zip:
Name of Waste: ARSENIC CONTAMINATED CO	ONDENSATE WATER		
Estimated Annual Volume: 260000 Gallons			
II. Special Waste Department Decision	n: Approved	Rejected	
Management Method(s): Landfill	Solidification Bio	remediation	Transfer Facility
Problematic Special Waste according to Repu	iblic? Oyes O No)	
If yes, which one?			
Approved by Special Waste Review Committe	e2 Ov Ov	Not Applicable	
The site must ensure that all pre-acceptance prior to acceptance and disposal of the pro-		al is performed in accordanc	e with the site's permit requirements
			4
			The same and the same of the same and the sa
Special Waste Analyst Signature: Slag	WX. 3	Nat	me (Printed): Stephen Brown
III. Facility Decision:	•	Approved ORejected	
Pred	cautions, Conditions o	r Limitations on Approva	al
			•
By signing below, the General Manager or Design special waste file is complete. General Manager or Designee: Date: 12/13/2022	nee agrees that a fully execute	ed Special Waste Service Agree Name (Printed):	ement is on file for this profile and that the

€, ·

Republic Indus 28470 Citrin Dr. Rom	strial and Energy Soli ulus, MI 48174. Telephone 73	<u>utions, LLC</u> 4 948 1000. Fax 73		GENERAT	OR WAST	E PROFILE	
GENERATOR INFORM Name: Big Run Pow	ATION er Producers		USEPA ID #	KYR000073437			-
Facility Address: 2238	River Cities Drive		SIC/NAICS (Code; State Code:			
City: Ashland			•	Zip Code:	41102		
Cantact: Joe Hogsten	Title:						
BILLING INFORMATIC Company Name: U.S. V Address: 4420 Jeffe	Vaste Industries	☐ SAME AS AB					
City: Walterboro			State: SC	Zin Code	29488		
Attention: Tina Smith		Phone: (4 4 s	`)		
Process Generating We Generated to	anges at different iDENTIFICATION red to be: IDENTIFICATION THE TOTAL PROPERTY OF T	ote information may decessing. Conclusional Conclusiona Conclusiona Conclusiona Conclusiona Conclusiona Conclusiona Conclusiona Conclus	eley the appro	ovel process):, Mater 15	enocked but fu this co	out om ndensate.	- - -
PHYSICAL CHARACTI							-
Color: U White/Clear Black/Brown Other	Suspended Solids 2 0-1 %	Layers: □ Multi layere □ Bi-Layered ☑ Single Pha	LZ	Specific Gravity: <0.8 □ 1.0 — 0.8 —1.0 □ 1.3 —1 act / Other	1.2		
pH:	2 - 4 0 4 - 8	Ø 6 — 8 □	8-10 🖸 10	— 12.5 □ >12.5			
VOC CONCENTRATION -	: Q <73°F Q 73-100°F Q O OF WASTE - MUST BE EQUAL TO O	PFM (MUST BE CO	OMPLETED)			Cup 🗆 Open Cu	1b
CONSTITUENT	a	MAX MIN	CONSTITUI			MAX MIN	
Water		99 - 100 1/4	Decachlorop	henol (mx/L)		0.001 · 40.00	
Arsenic (mg/l)			Selenium	(ma/L)		0.001 , 1,60	2
MEK (mg/L)				ma/L)			AC

fetals: Indicate if this Generator knowledg			D1146 -	Romulus - MI - 48	21/4		Was	te Profile	3 - Fag	e 2	
	waste contain ge-provide baci	s any of the follow kup Ø Lab Anglys	ing me	etals Generator Knowle	idge ZITCLP	⊒TOTAL					
	Not Concentr	ation	Not resent	Concentration	Arsenic (A Berlum (Br	s) D004	□ <5 ☑ <100	ppm	10,00	ppm ppm	
· .	Mag ppm			ppm	Cadmium	•	⊠ 1/00 ⊠ <1	ppm		ppm	
Dioxins	☑ ppm	Pesticides	<u> </u>	ppm	Chromium		±2 <5	ppm		ppm	
yanidas Reactive	☑ ppm	Rodenticides	- 2	ppm	Lead (Pb)	D008	☑ <5	ppm		ppm	
Cyanidas Total	Ø ppm	Fungicides		ppm	Mercury (F	(g) D009	☑ <0,2	ppm		ppm	
Sulfides Reactive	62 ppm				Selenium (□ <1	ppm	1.6	ppm	
Suifides Total	☑ ppm				Silver (Ag)	D011	₩ <5	ppm		ppm	
CLP Organics Do	12 D043 at	ove regulatory i	imits:	Present Q Not F	resent 🛭						
IS WASTE ANY O	F THE FOLLO	WING?	At L	esst One Box Mu	et Be Checked.						
Radioactive C	3 Water Reac	tive 🛭 Oxidiz	er (□ Shock Sensitiv	ve 🖸 Reactive (other) 🗆 Do	OT Explosi	ves			
3 NIOSH Human-Po	sitive Carcinog	jens 🔾 NESHA	P Wes	ites (Benzene, etc	o.) 🗆 Biological	☑ None Appl	y				
2. Reportable Quant 3. DOT Shipping No	ame RQ, NA	3082, Hazardou	s Wa	ste, Liquid, N.O		Hazard	Class 9	UI	N/NA	NA3082	-
PG III ERG	Haz	ardous Constitue	ints fo	r "n.o.s." Arseni	<u> </u>						
4. Melhod of Shipmo 5. Number of Units t 6. Special Handling	to Ship Now 5	Tankers	Vec (tall Car D	Drums fear: 5,000 (CiTotes Sal / Quart		or 🖸 O	ne Time	
	N STATEM	ENT	allu a								
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13-Feb-2023

Rick Sauve
Republic Industrial and Energy Solutions, LLC
28470 Cintrin Dr.
Romulus, MI 48174

Re: December F039 Leachate- 01.03.23 Work Order: 23010078

Dear Rick,

ALS Environmental received 1 sample on 03-Jan-2023 08:00 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 41.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Sincerely,

Electronically approved by: Chelsey Cook

Chelsey Cook Project Manager

Report of Laboratory Analysis

Certificate No: FL E871106

ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Date: 13-Feb-23

Client:

Republic Industrial and Energy Solutions, LLC

Project:

December F039 Leachate- 01.03.23

Work Order:

23010078

Work Order Sample Summary

Lab Samp ID Client Sample ID	<u>Matrix</u>	Tag Number	Collection Date	Date Received	<u>Hold</u>
23010078-01 December 2022 F039	Liquid		1/3/2023 13:52	1/3/2023 20:00	

Date: 13-Feb-23

Client:

Republic Industrial and Energy Solutions, LLC

Project:

December F039 Leachate- 01.03.23

WorkOrder:

23010078

QUALIFIERS,

ACRONYMS, UNITS

Date: 13-Feb-23

Qualifier	Description
*	Value exceeds Regulatory Limit
**	Estimated Value
а	Analyte is non-accredited
В	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
Hr	BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated.
J	Analyte is present at an estimated concentration between the MDL and Report Limit
n	Analyte accreditation is not offered
ND O	Not Detected at the Reporting Limit
P	Sample amount is > 4 times amount spiked Dual Column results percent difference > 40%
r R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL
x	Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level.
Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LOD	Limit of Detection (see MDL)
LOQ	Limit of Quantitation (see PQL)
MBLK	Method Blank
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
TDL	Target Detection Limit
TNTC	Too Numerous To Count
Α	APHA Standard Methods
D	ASTM
E	EPA
sw	SW-846 Update III
Units Reporte	<u>d</u> <u>Description</u>
μg/L	Micrograms per Liter
as noted	

Client: Republic Industrial and Energy Solutions, LLC

Project: December F039 Leachate- 01.03.23 Case Narrative

Work Order: 23010078

The attached "Sample Receipt Checklist" documents the date of receipt, status of custody seals, container integrity, preservation, and temperature compliance.

Dioxin/Furan analysis was performed at ALS Houston. Subcontracted analytical data has been appended to this report in its entirety.

Samples were analyzed according to the analytical methodology previously transmitted in the "Work Order Acknowledgement". Methodologies are also documented in the "Analytical Result" section for each sample. Quality control results are listed in the "QC Report" section. A copy of the laboratory's scope of accreditation is available upon request.

Sample association for the reported quality control is located at the end of each batch summary. If applicable, results are appropriately qualified in the Analytical Result and QC Report sections. The "Qualifiers" section documents the various qualifiers, units, and acronyms utilized in reporting.

Any flags on MS/MSD samples not addressed in this narrative are unrelated to samples in this report.

With the following exceptions, all sample analyses achieved analytical criteria.

Date: 13-Feb-2023

Client:

Republic Industrial and Energy Solutions, LLC

Project:

Note:

Sample ID:

December F039 Leachate- 01.03.23

Collection Date: 1/3/2023 01:52 PM

December 2022 F039

Work Order: 23010078

Lab ID: 23010078-01

Matrix: LIQUID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PESTICIDES			SW8081E	3	Prep: SW3511 1/4/23 11:20	Analyst: MMO
Aldrin	ND		0.48	μg/L	50	1/4/2023 03:48 PM
Surr: Decachlorobiphenyl	184	S	42-148	%REC	50	1/4/2023 03:48 PM
Surr: Tetrachloro-m-xylene	500	S	57-141	%REC	50	1/4/2023 03:48 PM
SEMI-VOLATILE ORGANIC COMPOU	NDS		SW846 8	270D	Prep: SW3510 1/5/23 13:32	Analyst: EE
N-Nitrosodimethylamine	ND		400	μg/L	20	1/10/2023 07:23 PM
Surr: 2,4,6-Tribromophenol	52.8		47-103	%REC	20	1/10/2023 07:23 PM
Surr: 2-Fluorobiphenyl	30.4	S	41-96	%REC	20	1/10/2023 07:23 PM
Surr: 2-Fluorophenol	20.4	s	28-66	%REC	20	1/10/2023 07:23 PM
Surr: 4-Terphenyl-d14	39.2	s	49-107	%REC	20	1/10/2023 07:23 PM
Surr: Nitrobenzene-d5	53.6		41-95	%REC	20	1/10/2023 07:23 PM
Surr: Phenol-d6	17.6	S	18-44	%REC	20	1/10/2023 07:23 PM
SUBCONTRACTED ANALYSES			SUBCON	TRACT		Analyst: ALS
Subcontracted Analyses	See attached			as note	ed 1	2/13/2023 08:40 AM

Date: 13-Feb-23

QC BATCH REPORT

Client:

Republic Industrial and Energy Solutions, LLC

Work Order:

23010078

Project:

December F039 Leachate- 01.03.23

Batch ID: 209250	Instrument ID	GC12		Metho	d: SW80 8	31B						
MBLK	Sample ID: PBLKW	1-209250-20	9250			Ĺ	Jnits: µg/L		Analysis	Date: 1/4/	2023 01:5	7 PM
Client ID:		Run II	D: GC12 _	230104A		Se	qNo: 916	7297	Prep Date: 1/4/	2023	DF: 1	
Analyte		Result	PQL	SPK Val	SPK Ref Value		%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aldrin		ND	0.010									
Surr: Decachlorob	iphenyl	0.2952	0	0.25		0	118	42-148	0			
Surr: Tetrachloro-r	n-xylene	0.2362	0	0.25		0	94.5	57-141	0			
LCS	Sample ID: PLCSW1	-209250-209	9250			L	Jnits: µg/L		Analysis	Date: 1/4/	2023 02:2	5 PM
Client ID:		Run II	D: GC12_	230104A		Se	qNo: 916 7	7299	Prep Date: 1/4/2	2023	DF: 1	
Analyte		Result	PQL	SPK Val	SPK Ref Value		%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aldrin		0.2134	0.010	0.2		0	107	51-164	0			
Surr: Decachlorob	iphenyl	0.3074	0	0.25		0	123	42-148	0			
Surr: Tetrachloro-r	n-xylene	0.2454	0	0.25		0	98.2	57-141	0			
LCSD	Sample ID: PLCSDV	V1-209250-2	09250			ι	Jnits: µg/L		Analysis	Date: 1/4/	2023 02:3	9 PM
Client ID:		Run II	D: GC12_2	230104A		Se	qNo: 916 7	7300	Prep Date: 1/4/2	2023	DF: 1	
Analyte		Result	PQL	SPK Val	SPK Ref Value		%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aldrin		0.2034	0.010	0.2		0	102	51-164	0.2134	4.8	20	
Surr: Decachiorobi	iphenyl	0.296	0	0.25		0	118	42-148	0.3074	3.78	20	
Surr: Tetrachloro-r	n-xylene	0.2304	0	0.25		0	92.2	57-141	0.2454	6.31	20	
The following samp	les were analyzed in	this batch:	23	3010078-01/	4							

Client:

Republic Industrial and Energy Solutions, LLC

Work Order:

23010078

Project: December F039 Leachate- 01.03.23 Batch ID: 209289 Instrument ID SVMS8 Method: SW846 8270D MBLK Sample ID: SBLKW1-209289-209289 Units: µg/L Analysis Date: 1/5/2023 09:20 PM Client ID: Run ID: SVMS8 230105A SeqNo: 9175187 Prep Date: 1/5/2023 DF: 1 **RPD** SPK Ref RPD Ref Control Value Limit Limit Value SPK Val Analyte %REC %RPD Qual Result PQL N-Nitrosodimethylamine ND 5.0 26.48 Surr: 2,4,6-Tribromophenol 0 50 0 53 47-103 0 Surr: 2-Fluorobiphenyl 19.94 0 0 0 s 50 39.9 41-96 15.51 Surr: 2-Fluorophenol 0 50 0 31 28-66 0 Surr: 4-Terphenyl-d14 39.07 0 0 50 78.1 49-107 0 Surr: Nitrobenzene-d5 24.01 0 50 0 48 41-95 0 Surr: Phenol-d6 10.1 0 50 0 20.2 0 18-44 LCS Analysis Date: 1/5/2023 09:40 PM Sample ID: SLCSW1-209289-209289 Units: µg/L Client ID: Run ID: SVMS8_230105A SeqNo: 9175188 Prep Date: 1/5/2023 DF: 1 SPK Ref **RPD** Control RPD Ref Limit Value Limit Value Result **PQL** SPK Val %REC %RPD Qual Analyte 8.76 N-Nitrosodimethylamine 5.0 20 0 43.8 26-74 0 36.71 Surr: 2,4,6-Tribromophenol 0 50 0 47-103 0 734 27.46 Surr: 2-Fluorobiphenyl 0 50 0 54.9 41-96 0 18.89 Surr: 2-Fluorophenol 0 50 0 37.8 28-66 0 Surr: 4-Terphenyl-d14 38.94 0 50 0 77.9 49-107 0 Surr: Nitrobenzene-d5 30.71 0 50 0 61.4 41-95 0 Surr: Phenol-d6 12.21 50 0 24.4 18-44 LCSD Sample ID: SLCSDW1-209289-209289 Analysis Date: 1/5/2023 10:01 PM Units: µg/L Client ID: Run ID: SVMS8_230105A SeqNo: 9175189 Prep Date: 1/5/2023 DF: 1 RPD SPK Ref RPD Ref Control Value Value Limit Analyte Result **PQL** SPK Val %REC %RPD Qual 8.39 N-Nitrosodimethylamine 5.0 20 0 42 26-74 8.76 4.31 30 Surr: 2,4,6-Tribromophenol 32.72 0 50 0 65.4 47-103 36.71 11.5 40 23.92 Surr: 2-Fluorobiphenyl 0 50 0 47.8 41-96 40 27.46 13.8 17.12 Surr: 2-Fluorophenol 0 50 0 34.2 28-66 18.89 9.83 40 Surr: 4-Terphenyl-d14 35.93 71.9 0 50 0 49-107 38.94 8.04 40

The following sample:	were analyzed	in	this	batch:
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Surr: Nitrobenzene-d5

Surr: Phenol-d6

50

50

0

0

54

22.1

41-95

18-44

30.71

12.21

12.9

10.1

40

40

0

26.99

11.04

QC BATCH REPORT



Service Request No:E2300044

Les Arnold ALS - Holland 3352 128th Avenue Holland, MI 49424

Laboratory Results for: 23010078

Dear Les,

Enclosed are the results of the sample(s) submitted to our laboratory January 12, 2023 For your reference, these analyses have been assigned our service request number **E2300044**.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current TNI standards, where applicable, and except as noted in the laboratory case narrative provided. All results are intended to be considered in their entirety and ALS Environmental is not responsible for use of less than the complete final report. Results apply only to the items submitted to the laboratory, as received for analysis. In accordance with the current TNI Standard, a statement on the estimated uncertainty of measurement of any quantitative analysis will be supplied upon request.

Please contact me if you have any questions. My extension is 2188. You may also contact me via email at James.Guin@alsglobal.com.

Respectfully submitted,

Gun Hi

ALS Group USA, Corp. dba ALS Environmental

James Guin



Certificate of Analysis

ALS Environmental - Houston HRMS 10450 Stancliff Rd, Suite 210, Houston TX 77099 Phone (713)266-1599 Fax (713)266-0130 www.alsglobal.com

ALS Environmental

Client:

ALS Environmental – Holland (MI)

Service Request No.:

E2300044

Project:

22120348

Date Received:

01/12/23

Sample Matrix:

Water

CASE NARRATIVE

All analyses were performed in adherence to the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier II. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

One sample was received for analysis at ALS Environmental in Houston on 01/12/23.

The sample was received in good condition and is consistent with the accompanying chain of custody form. The sample was stored in a refrigerator at 4°C upon receipt at the laboratory.

Data Validation Notes and Discussion

Precision and Accuracy:

EQ2300036: Laboratory Control Spike/Duplicate Laboratory Control Sample (LCS/DLCS) samples were analyzed and reported in addition to/in lieu of a MS/MSD for this extraction batch. The MS/DMS results are included in this report.

B flags - Method Blanks

The Method Blank EQ2300036-01 contained low levels of target compounds below the Method Reporting Limit (MRL). The associated compounds in the samples are flagged with 'B' flags where the sample result is less than ten times the level detected in the method blank.

2378-TCDF

Samples analyzed on the DB-5MSUI column were analyzed under conditions where sufficient separation between 2,3,7,8-TCDF and its closest eluter was achieved. Confirmation of this result was not required.

Y flags - Cleanup Standard

The recoveries for the cleanup standard, 37Cl-2,3,7,8-TCDD are below control limits. The sample results are not affected since this labeled standard is provided as a means of demonstrating that both the sample extraction and subsequent cleanup steps performed as expected and is not used in quantitation of target analytes.

Y flags - Labeled Standards

Quantification of the native 2,3,7,8-substituted congeners is based on isotopic dilution, which automatically corrects for variation in extraction efficiency and provides accurate values even with poor recovery. Samples that had recoveries of labeled standards outside the acceptance limits are qualified with 'Y' flags on the Labeled Compound summary pages. In all cases, the signal-to-noise ratios are greater than 10:1 and detection limits were below the Method Reporting Limits.

K flags

EMPC - When the ion abundance ratios associated with a particular compound are outside the QC limits, samples are flagged with a 'K' flag. A 'K' flag indicates an estimated maximum possible concentration for the associated compound.

MRL

Sample results are reported to the Method Reporting Limit (MRL) established by the analytical method. Results that were not detected at concentrations greater than the MRL are reported as "ND" and are flagged appropriately.

Detection Limits

Detection limits are calculated for each analyte in each sample by measuring the height of the noise level for each quantitation ion for the associated labeled standard. The concentration equivalent to 2.5 times the height of the noise is then calculated using the appropriate response factor and the weight of the sample. The calculated concentration equals the detection limit.

The TEQ Summary results for each sample have been calculated by ALS/Houston to include:

- ➤ WHO-2005 TEFs, The 2005 World Health Organization Reevaluation of Human and Mammalian Toxic Equivalency Factors for Dioxins and Dioxin-Like Compounds (M. Van den Berg et al., Toxicological Sciences 93(2):223-241, 2006)
- Non-detected compounds are not included in the 'Total'

The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and ALS Environmental (ALS) is not responsible for utilization of less than the complete report.

Use of ALS group USA Corp dba ALS Environmental (ALS)'s Name. Client shall not use ALS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to ALS any test result, tolerance or specification derived from ALS's data ("Attribution") without ALS's prior written consent, which may be withheld by ALS for any reason in its sole discretion. To request ALS's consent, Client shall provide copies of the proposed Materials or Attribution and describe in writing Client's proposed use of such Materials or Attribution. If ALS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use ALS's name or trademark in any Materials or Attribution shall be deemed denied. ALS may, in its discretion, reasonably charge Client for its time in reviewing Materials or Attribution requests. Client acknowledges and agrees that the unauthorized use of ALS's name or trademark may cause ALS to incur irreparable harm for which the recovery of money damages will be inadequate. Accordingly, Client acknowledges and agrees that a violation shall justify preliminary injunctive relief. For questions contact the laboratory.

Client:

ALS Environmental - Holland (MI)

Service Request:E2300044

Project:

23010078

SAMPLE CROSS-REFERENCE

SAMPLE # E2300044-001 **CLIENT SAMPLE ID**

December 2022 F039

<u>DATE</u>

<u>TIME</u>

1/3/2023

1352

Service Request Summary

ALS Environmental - Holland (MI) Client Name:

23010078 Project Name:

E2300044

Folder #:

Project Number:

Les Arnold Report To:

3352 128th Avenue ALS - Holland

Holland, MI 49424 USA

616-738-7307 Phone Number:

616-399-6185 616-836-2964 Cell Number: Fax Number:

les.arnoid@alsglobal.com E-mail:

Project Chemist: Originating Lab:

Date Received: Logged By:

2/3/2023 01/12/23 Internal Due Date: LAB QAP QAP:

No EDD Specified

James Guin HOUSTON

Pressure Gas: Location:

1 250 ml-Glass Bottle NM AMBER Teflon Liner Unpreserved EHRMS-WIC 9A

CGRANDITS

HRMS Qualifier Set Qualifier Set:

Lab Standard Formset:

Merged?:

Report to MDL?:

23010078 P.O. Number:

EDD:

HOUST Dioxins Furans/1613B Collected

01/03/23 1352

Matrix Aqueous Leachate

Client Samp No

Lab Samp No.

E2300044-001

December 2022 F039

6 of 31

Service Request Summary

ALS Environmental - Holland (MI) Client Name:

E2300044

Folder #:

23010078 Project Name:

Project Number:

Les Arnold Report To:

ALS - Holland

3352 128th Avenue

Holland, MI 49424 USA

616-738-7307 Phone Number:

616-836-2964 Cell Number: E-mail:

616-399-6185 Fax Number:

les.arnold@alsglobal.com

James Guin HOUSTON Project Chemist: Originating Lab:

CGRANDITS Logged By:

01/12/23 Date Received:

2/3/2023 Internal Due Date:

HRMS Qualifier Set LAB QAP QAP Qualifier Set:

Lab Standard Formset:

Merged?:

Report to MDL?:

23010078 P.O. Number: No EDD Specified

EDD:

Pressure Gas:

1 250 ml-Glass Bottle NM AMBER Teflon Liner Unpreserved EHRMS-WIC 9A

Location:

7 of 31

Data Qualifiers

HRMS Qualifier Set

- B Indicates the associated analyte was found in the method blank at >1/10th the reported value.
- E Estimated value. The reported concentration is above the calibration range of the instrument.
- H Sample extracted and/or analyzed out of suggested holding time.
- J Estimated value. The reported concentration is below the MRL.
- K The ion abundance ratio between the primary and secondary ions were outside of theoretical acceptance limits. The concentration of this analyte should be considered as an estimate.
- P Chlorodiphenyl ether interference was present at the retention time of the target analyte. Reported result should be considered an estimate.
- Q Monitored lock-mass indicates matrix-interference. Reported result is estimated.
- S Signal saturated detector. Result reported from dilution.
- U Compound was analyzed for, but was not detected (ND).
- X See Case Narrative.
- Y Isotopically Labeled Standard recovery outside of acceptance limits. In all cases, the signal-to-nois ratios are greater than 10:1, making the recoveries acceptable.
- i The MDL/MRL have been elevated due to a matrix interference.

ALS Laboratory Group

Acronyms

Cal Calibration
Conc CONCentration

Dioxin(s) Polychlorinated dibenzo-p-dioxin(s)

EDL Estimated Detection Limit

EMPC Estimated Maximum Possible Concentration

Flags Data qualifiers

Furan(s) Polychlorinated dibenzofuran(s)

g Grams

ICAL Initial CALibration

ID IDentifier

Ions Masses monitored for the analyte during data acquisition

L Liter (s)

LCS Laboratory Control Sample

DLCS Duplicate Laboratory Control Sample

MB Method Blank

MCL Method Calibration Limit
MDL Method Detection Limit

mL Milliliters

MS Matrix Spiked sample

DMS Duplicate Matrix Spiked sample

NO Number of peaks meeting all identification criteria

PCDD(s) Polychlorinated dibenzo-p-dioxin(s) PCDF(s) Polychlorinated dibenzofuran(s)

ppb Parts per billion
ppm Parts per million
ppq Parts per quadrillion
ppt Parts per trillion
QA Quality Assurance
QC Quality Control

Ratio Ratio of areas from monitored ions for an analyte

% Rec. Percent recovery

RPD Relative Percent Difference RRF Relative Response Factor

RT Retention Time

SDG Sample Delivery Group S/N Signal-to-noise ratio

TEF Toxicity Equivalence Factor
TEQ Toxicity Equivalence Quotient



State Certifications, Accreditations, and Licenses

Agency	Number	Expire Date
Arizona Department of Health Services	AZ0793	5/27/2023
Arkansas Department of Environmental Quality	22-041-0	3/27/2023
California Department of Health Services	2919-2023	4/30/2023
Department of Defense	L22-90	3/31/2024
Florida Department of Health	E87611-36	6/30/2023
Florida Department of Health	E87611-36	6/30/2023
Florida Department of Health	E87611-36	6/30/2023
Florida Department of Health	E87611-36	6/30/2023
Hawaii Department of Health	2022	4/30/2023
Illinois Environmental Protection Agency	2000322022-9	5/9/2023
Kansas Department of Health and Environment	E-10352 2022-2023	7/31/2023
Louisiana Department of Environmental Quality	03087-2022	6/30/2023
Louisiana Department of Health and Hospitals	LA028-2023	12/31/2023
Maine Department of Health and Human Services	2022017	6/5/2024
Maryland Department of the Environment	343	6/30/2023
Michigan Depratment of Environmental Quality	9971-2022	4/30/2023
Minnesota Department of Health	2368363	12/31/2023
Nebraska Department of Health and Human Services	NE-OS-25-13	4/30/2023
Nevada Department of Conservation and Natural Resources	TX026932023-1	7/31/2023
New Hampshire Environmental Laboratory Accreditation Program	209422	4/24/2023
New Jersey Department of Environmental Protection	TX008-2023	6/30/2023
New York Department of Health	11707	3/31/2023
Oklahoma Department of Environmental Quality	2022-141	8/31/2023
Oregon Environmental Laboratory Accreditation Program	TX200002	5/15/2023
Pennsylvania Department of Environmental Protection	68-03441-016	6/30/2023
Perry Johnson Laboratory Accreditation	L22-91	3/31/2024
Tennessee Department of Environment and Concervation	04016-2022	4/30/2023
Texas Commision on Environmental Quality	T104704231-22-29	4/30/2023
Utah Department of Health Environmental Laboratory Certification	TX026932022-13	7/31/2023
Washington Department of Ecology	C819-22	11/14/2023

ALS ENVIRONMENTAL – Houston Data Processing/Form Production and Peer Review Signatures

SR# Unique ID	E2300044		DB-5MSUI SPB-Octyl						
Firs	t Level - Data Processi	ng - to be filled by perso	n generating the forms						
Date:	Analyst:	Samples:							
02/10/23	LKL	001							
Se	Second Level - Data Review – to be filled by person doing peer review								
Date:	Analyst: // /	Samples:							
2/10/23	45	001							



Chain of Custody

ALS Environmental - Houston HRMS 10450 Stancliff Rd, Suite 210, Houston TX 77099 Phone (713)266-1599 Fax (713)266-0130 www.alsglobal.com



Subcontractor:
ALS Environmental
10450 Stanciiff Rd

Suile 210 Houston, TX 77099

ALSHN Account

TEL: FAX: Acct #:

(281) 530-5656 (281) 530-5887

CHAIN-OF-CUSTODY RECORD
Page 1 of 1

Date: <u>04-Jan-23</u> COC ID: <u>21883</u> Due Date: <u>24-Jan-23</u>

J	Customer Information		Proje	Project Information			Parameter/Met	Parameter/Method Request for Apalysis	Analysis		
Purchase Order		Project Name		23010078	A	A Subcontracted Analyses (SUBCONTRACT)	nalyses (SUB)	CONTRACT			
Work Order		Project Number		And the Real Prints of the Control o	m			()			
Company Name	ALS Group USA, Corp	Bill To Co	mpany A	Bill To Company ALS Group USA, Corp	ပြ						
Send Report To	Les Amold	Inv Attn	A	Accounts Payable	ם	ALL A LANGE AND THE PROPERTY OF THE PROPERTY O	***************************************				
Address	3352 128th Ave	Address	3.	3352 128th Ave	ŭ						
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City/State/Zip	Holland, Michigan 49424	City/State/Zip		Holland, Michigan 49424	ල						
Phone	(616) 399-6070	Phone	9)	(616) 399-6070	Ŧ						
Fax	(616) 399-6185	Fax	9)	(616) 399-6185							
eMail Address	les.amold@alsglobal.com	eMail CC		AND THE PERSON AND TH		Andreas and the second					
ALS Sample ID	Client Sample ID	Matrix C	Collection Date 24hr	ate 24hr Bottle	A	S B	0 O		д 	_	
23010078-01B	23010078-01B December 2022 F039	Liquid	3/Jan/2023	3/Jan/2023 13:52 (1) 250AMGNEAT	EAT))

A 2.5 EDD". Thank		Report/QC Level	
urd report and a "CRA 2.5 EDD". 7	`)	Cooler IDs	
S. Please provide a standa	Continue Red	Date/Time	Date-Time 14575
Please analyze the enclosed samples for the attached list of PCDDs/PCDFs. Please provide a standard report and a "CRA 2.5 EDD". Thank you.		Received by:	Received by:
mples for		2:00pm	
he enclosed se		Date/Time [-5-23	Date/Time
Comments: <u>Please analyze tł</u> <u>you.</u>		Relinquished by:	Relinquished by:

13 of 31



10450 Stancliff Road, Suite 210 Houston, TX 77099 T: +1 281 530 5656 F: +1 281 530 5887 www.alsglobal.com

Client: ALS Horand	Date: 1/17/23	WO#:	
Time Received: /9 35	Received by: _	8 M	_BO#: <i>U\</i> A
Matrices: Solid/Sludge Wate	r Oil Wipes	Hydrocarbon Liqu	id Other

Kit ID/Cooler ID	Trip Blank ID	Cooler Temp (C) Observed/Corrected	IR#	Temp Prese	
Med		40 / 3.5	7 (8	N
		./		Y	N
		1		Y	N
		/		Y	N
		/		Y	N

Delivery Method: (FedEx) UPS Greyhound ALS Client Other Date/Time of Unpacking: Unpacked by: Shipping container/cooler in good condition? No Not Present Yes Custody seals intact on shipping container/cooler? Yes No Not Present Custody seals intact on sample bottles? Yes No Not Present Chain of Custody present? Yes No Chain of Custody signed when relinquished and received? Yes No Chain of Custody - Sampler's name present? Yes No Chain of Custody agrees with sample labels? Yes No Samples in proper container/bottle? Yes. No VOA/TX1005/1006 Solids in hermetically Sealed Vials: Yes No (No VOA/TX1005/1006 Solid Sample containers intact? Yes No Sufficient sample volume for indicated test? Yes No All samples received within holding time? Yes No Container/Temp Blank temperature in compliance? Yes No Water - VOA vials have zero headspace? Yes NIZA No VOA submitted No Non-VOA waters preserved with HCI, H2SO4, HNO3 are pH <2? No ALA Yes Waters preserved with NaOH/Ascorbic acid are pH>12? Yes N/A No pH adjusted? Yes* No *See Preservation Logbook pH adjusted by: _____ pH Paper Lot: ____

HS-QAFORM18 Cooler Reciept Log R8.1 - 11-15-2018 14 of 31 Page 1 of 2



10450 Stancliff Rd., Suite 210 Houston, TX 77099 T: +1 713 266 1599 F: +1 713 266 1599 www.alsglobal.com

SAMPLE ACCEPTANCE POLICY

This policy outlines the criteria samples must meet to be accepted by ALS Environmental - Houston HRMS.

Cooler Custody Seals (desirable, mandatory if specified in SAP):

✓ Intact on outside of cooler, signed and dated

Chain-of-Custody (COC) documentation (mandatory):

The following is required on each COC:

- ✓ Sample ID, the location, date and time of collection, collector's name, preservation type, sample type, and any other special remarks concerning the sampleThe COC must be completed in ink.
- ✓ Signature and date of relinquishing party.

In the absence of a COC at sample receipt, the COC will be requested from the client.

Sample Integrity (mandatory):

Samples are inspected upon arrival to ensure that sample integrity was not compromised during transfer to the laboratory.

- ✓ Sample containers must arrive in good condition (not broken or leaking).
- ✓ Samples must be labeled appropriately, including Sample IDs, and requested test using durable labels and indelible ink.
- ✓ The correct type of sample bottle must be used for the method requested.
- ✓ An appropriate sample volume, or weight, must be received.
- ✓ Sample IDs and number of containers must reconcile with the COC.
- ✓ Samples must be received within the method defined holding time.

Temperature Requirement (varies by sample matrix):

- √ Aqueous and Non-aqueous samples must be shipped and stored cold, at 0 to 6°C.
- ✓ Tissue samples must be shipped and stored frozen, at -20 to -10°C.
- ✓ Air samples are shipped and stored cold, at 0 to 6°C
- ✓ The sample temperature must be recorded on the COC

All cooler inspections are documented on the Cooler Receipt Form (CRF). A separate CRF is completed for each service request. Any samples not meeting the above criteria are noted on the CRF and the Project Manager notified. The Project Manager must resolve any sample integrity issues with the client prior to proceeding with the analysis. Such resolutions are documented in writing and filed with the project folder. Data associated with samples received outside of this acceptance policy will be qualified on the case narrative of the final report



Analytical Results

ALS Environmental - Houston HRMS 10450 Stancliff Rd., Suite 210, Houston, TX 77099 Phone (713)266-1599 Fax (713)266-0130 www.alsglobal.com

Analytical Report

Client: ALS Environmental - Holland (MI)

Service Request: E2300044 Project: 23010078 **Date Collected:** 01/03/23 13:52

Sample Matrix: Aqueous Leachate **Date Received:** 01/12/23 14:35

Sample Name: December 2022 F039 Units: pg/L Lab Code: E2300044-001 Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method: 1613B Date Analyzed: 02/08/23 08:46

Method Sep Funnel/Jar Prep Method: Date Extracted: 1/31/23 Instrument Name: E-HRMS-08 Sample Amount: 116mL

GC Column: DB-5MSUI Data File Name: Blank File Name: P634894 P634916

ICAL Date: 03/15/22 Cal Ver. File Name: P634906

Native Analyte Results

Analyte Name	Result Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	65.8	14.0	43.1	0.76	1.001	1
1,2,3,7,8-PeCDD	115 J	5.66	216	1.68	1.000	1
1,2,3,4,7,8-HxCDD	$\mathbf{88.1J}$	3.70	216	1.14	1.000	1
1,2,3,6,7,8-HxCDD	225	3.54	216	1.43	1.000	1
1,2,3,7,8,9-HxCDD	82.5 JK	3.48	216	0.85	1.006	1
1,2,3,4,6,7,8-HpCDD	2430	25.8	216	1.09	1.000	1
OCDD	18700	40.9	431	0.89	1.000	1
2,3,7,8-TCDF	556	11.1	43.1	0.67	1.001	1
1,2,3,7,8-PeCDF	3240	71.1	216	1.57	1.001	1
2,3,4,7,8-PeCDF	3190	75.8	216	1.57	1.000	1
1,2,3,4,7,8-HxCDF	28900	64.0	216	1.22	1.000	1
1,2,3,6,7,8-HxCDF	9270	73.4	216	1.19	1.000	1
1,2,3,7,8,9-HxCDF	932	104	216	1.14	1.001	1
2,3,4,6,7,8-HxCDF	2060	63.8	216	1.26	1.000	1
1,2,3,4,6,7,8-HpCDF	196000	382	1080	0.99	1.000	5
1,2,3,4,7,8,9-HpCDF	4630	86.0	216	1.01	1.000	1
OCDF	252000	10.6	431	0.86	1.005	1

Analytical Report

Client: ALS Environmental - Holland (MI) Service Request: E2300044

 Project:
 23010078
 Date Collected:
 01/03/23 13:52

 Sample Matrix:
 Aqueous Leachate
 Date Received:
 01/12/23 14:35

 Sample Name:
 December 2022 F039
 Units: pg/L

 Lab Code:
 E2300044-001
 Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method: 1613B **Date Analyzed:** 02/08/23 08:46

Prep Method:Method Sep Funnel/JarDate Extracted:1/31/23Sample Amount:116mLInstrument Name:E-HRMS-08

GC Column: DB-5MSUI

 Data File Name:
 P634916
 Blank File Name:
 P634894

 ICAL Date:
 03/15/22
 Cal Ver. File Name:
 P634906

Native Analyte Results

					Ion		Dilution
Analyte Name	Result	Q	EDL	MRL	Ratio	RRT	Factor
Total Tetra-Dioxins	1180		14.0	43.1	0.79		1
							_
Total Penta-Dioxins	416		5.66	216	1.39		1
Total Hexa-Dioxins	2070		3.57	216	1.22		1
Total Hepta-Dioxins	4980		25.8	216	1.09		1
Total Tetra-Furans	32100		11.1	43.1	0.77		1
Total Penta-Furans	46900		5.40	216	1.61		1
Total Hexa-Furans	83100		73.5	216	1.20		I
Total Hepta-Furans	197000		84.2	216	0.99		1

Analytical Report

Client:

ALS Environmental - Holland (MI)

Project:

23010078

Service Request: E2300044 **Date Collected:** 01/03/23 13:52

Date Received: 01/12/23 14:35

Sample Matrix:

Aqueous Leachate

Sample Name: Lab Code:

December 2022 F039 E2300044-001

Units: Percent Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method:

1613B

Date Analyzed: 02/08/23 08:46

Prep Method:

Method Sep Funnel/Jar

Date Extracted: 1/31/23

Sample Amount:

116mL

Instrument Name: E-HRMS-08

GC Column: DB-5MSUI

P634916

Blank File Name: P634894

Data File Name: **ICAL Date:**

03/15/22

Cal Ver. File Name: P634906

Labeled Standard Results

	Spike	Conc.			Control	Ion	
Labeled Compounds	Conc.(pg)	Found (pg)	% Rec	Q	Limits	Ratio	RRT
13C-2,3,7,8-TCDD	2000	1808.299	90		25-164	0.76	1.019
13C-1,2,3,7,8-PeCDD	2000	1541.594	77		25-181	1.57	1.172
13C-1,2,3,4,7,8-HxCDD	2000	1660.859	83		32-141	1.26	0.992
13C-1,2,3,6,7,8-HxCDD	2000	1819.370	91		28-130	1.24	0.994
13C-1,2,3,4,6,7,8-HpCDD	2000	1633.723	82		23-140	1.06	1.066
13C-OCDD	4000	2123.402	53		17-157	0.89	1.142
13C-2,3,7,8-TCDF	2000	1672.293	84		24-169	0.79	0.994
13C-1,2,3,7,8-PeCDF	2000	1758.654	88		24-185	1.60	1.132
13C-2,3,4,7,8-PeCDF	2000	1604.091	80		21-178	1.58	1.163
13C-1,2,3,4,7,8-HxCDF	2000	1847.092	92		26-152	0.52	0.972
13C-1,2,3,6,7,8-HxCDF	2000	1567.753	78		26-123	0.52	0.975
13C-1,2,3,7,8,9-HxCDF	2000	1330.281	67		29-147	0.52	1.008
13C-2,3,4,6,7,8-HxCDF	2000	1946.160	97		28-136	0.50	0.988
13C-1,2,3,4,6,7,8-HpCDF	2000	1295.111	65		28-143	0.44	1.042
13C-1,2,3,4,7,8,9-HpCDF	2000	1606.773	80		26-138	0.43	1.079
37Cl-2,3,7,8-TCDD	800	577.766	72		35-197	NA	1.020

Analytical Report

Client: ALS Environmental - Holland (MI)

Service Request: E2300044 **Date Collected:** 01/03/23 13:52 23010078 Project: Sample Matrix: Aqueous Leachate Date Received: 01/12/23 14:35

Sample Name: December 2022 F039 Units: pg/L Lab Code: E2300044-001 Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method:

1613B

Prep Method:

Method Sep Funnel/Jar

Toxicity Equivalency Quotient

				Dilution		TEF - Adjusted
Analyte Name	Result	\mathbf{DL}	MRL	Factor	TEF	Concentration
2,3,7,8-TCDD	65.8	14.0	43.1	1	1	65.8
1,2,3,7,8-PeCDD	115	5.66	216	1	1	115
1,2,3,4,7,8-HxCDD	88.1	3.70	216	1	0.1	8.81
1,2,3,6,7,8-HxCDD	225	3.54	216	1	0.1	22.5
1,2,3,7,8,9-HxCDD	82.5	3.48	216	1	0.1	8.25
1,2,3,4,6,7,8-HpCDD	2430	25.8	216	1	0.01	24.3
OCDD	18700	40.9	431	1	0.0003	5.61
2,3,7,8-TCDF	556	11.1	43.1	1	0.1	55.6
1,2,3,7,8-PeCDF	3240	71.1	216	1	0.03	97.2
2,3,4,7,8-PeCDF	3190	75.8	216	1	0.3	957
1,2,3,4,7,8-HxCDF	28900	64.0	216	1	0.1	2890
1,2,3,6,7,8-HxCDF	9270	73.4	216	1	0.1	927
1,2,3,7,8,9-HxCDF	932	104	216	1	0.1	93.2
2,3,4,6,7,8-HxCDF	2060	63.8	216	1	0.1	206
1,2,3,4,6,7,8-HpCDF	196000	382	1080	5	0.01	1960
1,2,3,4,7,8,9-HpCDF	4630	86.0	216	1	0.01	46.3
OCDF	252000	10.6	431	1	0.0003	75.6
		. 1.0000				== <0

Total TEQ 7560

2005 WHO TEFs, ND = 0

Analytical Report

Client: ALS Environmental - Holland (MI)

Project:

Service Request: E2300044 23010078 Date Collected: NA

Sample Matrix: Aqueous Leachate Date Received: NA

Sample Name: Method Blank Units: pg/L Lab Code: EQ2300036-01 Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

1613B Analysis Method: Date Analyzed: 02/07/23 13:56

Prep Method: Method Sep Funnel/Jar Date Extracted: 1/31/23

Sample Amount: 1000.0mL Instrument Name: E-HRMS-08 GC Column: DB-5MSUI

Data File Name: P634894 Blank File Name: P634894

ICAL Date: Cal Ver. File Name: P634891 03/15/22

				Ion		Dilution
Analyte Name	Result Q	EDL	MRL	Ratio	RRT	Factor
2,3,7,8-TCDD	ND U	1.94	5.00			1
1,2,3,7,8-PeCDD	1.16 JK	0.774	25.0	2.19	1.001	1
1,2,3,4,7,8-HxCDD	$3.07\mathbf{J}$	0.429	25.0	1.12	1.000	1
1,2,3,6,7,8-HxCDD	1.77 JK	0.419	25.0	0.98	1.000	1
1,2,3,7,8,9-HxCDD	1.30 JK	0.408	25.0	1.48	1.007	1
1,2,3,4,6,7,8-HpCDD	5.97 JK	0.521	25.0	1.40	1.000	1
OCDD	50.2	1.52	50.0	0.92	1.000	1
2,3,7,8-TCDF	ND U	1.23	5.00			1
1,2,3,7,8-PeCDF	1.26J	0.408	25.0	1.35	1.001	1
2,3,4,7,8-PeCDF	1.34J	0.435	25.0	1.73	1.000	1
1,2,3,4,7,8-HxCDF	1.40 JK	0.368	25.0	0.86	1.000	1
1,2,3,6,7,8-HxCDF	1.37 JK	0.401	25.0	1.72	1.000	1
1,2,3,7,8,9-HxCDF	2.53 JK	0.425	25.0	1.03	1.001	1
2,3,4,6,7,8-HxCDF	1.58 J	0.335	25.0	1.38	1.000	1
1,2,3,4,6,7,8-HpCDF	5.64 JK	0.584	25.0	1.28	1.000	1
1,2,3,4,7,8,9-HpCDF	' 2.83 J	0.594	25.0	0.89	1.000	1
OCDF	58.8	1.82	50.0	0.77	1.005	1

Analytical Report

Client:

ALS Environmental - Holland (MI)

Service Request: E2300044

Project:

23010078

Date Collected: NA

Sample Matrix:

Aqueous Leachate

Date Received: NA

Sample Name:

Method Blank

Units: pg/L Basis: NA

Lab Code:

EQ2300036-01

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method:

1613B

Date Analyzed: 02/07/23 13:56

Prep Method:

Method Sep Funnel/Jar

Date Extracted: 1/31/23

Sample Amount:

1000.0mL

Instrument Name: E-HRMS-08

GC Column: DB-5MSUI

Data File Name:

P634894

Blank File Name: P634894

ICAL Date:

03/15/22

Cal Ver. File Name: P634891

					Ion		Dilution
Analyte Name	Result	Q	EDL	MRL	Ratio	RRT	Factor
Total Tetra-Dioxins	ND	U	1.94	5.00			1
m. In . nt t				25.0			
Total Penta-Dioxins	ND	U	0.774	25.0			I
Total Hexa-Dioxins	4.10J		0.418	25.0	1.12		1
Total Hepta-Dioxins	7.44 J		0.521	25.0	1.10		1
Total Tetra-Furans	ND	U	1.23	5.00			1
Total Penta-Furans	2.99J		0.421	25.0	1.65		1
Total Hexa-Furans	1.58 J		0.379	25.0	1.38		1
Total Hepta-Furans	2.83 J		0.588	25.0	0.89		1

Analytical Report

Client: ALS Environmental - Holland (MI) Service Request: E2300044

Project:23010078Date Collected:NASample Matrix:Aqueous LeachateDate Received:NA

Sample Name:Method BlankUnits: PercentLab Code:EQ2300036-01Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method: 1613B **Date Analyzed:** 02/07/23 13:56

Prep Method:Method Sep Funnel/JarDate Extracted:1/31/23Sample Amount:1000.0mLInstrument Name:E-HRMS-08

GC Column: DB-5MSUI

Data File Name:P634894Blank File Name:P634894ICAL Date:03/15/22Cal Ver. File Name:P634891

Labeled Standard Results

	Spike	Conc.			Control	Ion	
Labeled Compounds	Conc.(pg)	Found (pg)	% Rec	Q	Limits	Ratio	RRT
13C-2,3,7,8-TCDD	2000	1085.250	54		25-164	0.78	1.019
13C-1,2,3,7,8-PeCDD	2000	1261.200	63		25-181	1.61	1.172
13C-1,2,3,4,7,8-HxCDD	2000	1395.188	70		32-141	1.26	0.992
13C-1,2,3,6,7,8-HxCDD	2000	1447.882	72		28-130	1.28	0.994
13C-1,2,3,4,6,7,8-HpCDD	2000	1427.884	71		23-140	1.07	1.066
13C-OCDD	4000	2143.185	54		17-157	0.87	1.142
13C-2,3,7,8-TCDF	2000	955.359	48		24-169	0.79	0.994
13C-1,2,3,7,8-PeCDF	2000	1330.997	67		24-185	1.58	1.132
13C-2,3,4,7,8-PeCDF	2000	1239.561	62		21-178	1.58	1.163
13C-1,2,3,4,7,8-HxCDF	2000	1425.288	71		26-152	0.53	0.972
13C-1,2,3,6,7,8-HxCDF	2000	1214.904	61		26-123	0.51	0.975
13C-1,2,3,7,8,9-HxCDF	2000	1352.920	68		29-147	0.51	1.008
13C-2,3,4,6,7,8-HxCDF	2000	1562.868	78		28-136	0.52	0.988
13C-1,2,3,4,6,7,8-HpCDF	2000	1095.191	55		28-143	0.43	1.041
13C-1,2,3,4,7,8,9-HpCDF	2000	1415.802	71		26-138	0.44	1.079
37Cl-2,3,7,8-TCDD	800	384.707	48		35-197	NA	1.020



Accuracy & Precision

ALS Environmental - Houston HRMS 10450 Stancliff Rd., Suite 210, Houston TX 77099 Phone (713)266-1599 Fax (713)266-0130 www.alsglobal.com

QA/QC Report

Client:

ALS Environmental - Holland (MI)

Project:

23010078

Service Request:

E2300044

Sample Matrix:

Aqueous Leachate

Date Analyzed: **Date Extracted:** 02/07/23 01/31/23

Duplicate Lab Control Sample Summary

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method:

1613B

Units:

pg/L

Prep Method:

Method Sep Funnel/Jar

Basis: **Analysis Lot:** NA 794263

Lab Control Sample EQ2300036-02

Duplicate Lab Control Sample

EQ2300036-03

							% Rec		
Analyte Name	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	Limits	RPD	RPD Limit
1,2,3,4,6,7,8-HpCDD	871	1000	87	858	1000	86	70-140	1	50
1,2,3,4,7,8-HxCDD	1020	1000	102	989	1000	99	70-164	3	50
1,2,3,6,7,8-HxCDD	940	1000	94	924	1000	92	76-134	2	50
1,2,3,7,8,9-HxCDD	1070	1000	107	1050	1000	105	64-162	2	50
1,2,3,7,8-PeCDD	1040	1000	104	1030	1000	103	70-142	1	50
2,3,7,8-TCDD	165	200	82	166	200	83	67-158	<1	50
OCDD	2150	2000	108	2050	2000	102	78-144	5	50
1024670 H. CDF	001	1000	00	075	1000	0.0	00.100	-1	50
1,2,3,4,6,7,8-HpCDF	981	1000	98	975	1000	98	82-122	<1	50 50
1,2,3,4,7,8,9-HpCDF	886	1000	89	836	1000	84	78-138	6	50
1,2,3,4,7,8-HxCDF	883	1000	88	865	1000	87	72-134	2	50
1,2,3,6,7,8-HxCDF	989	1000	99	950	1000	95	84-130	4	50
1,2,3,7,8,9-HxCDF	985	1000	98	976	1000	98	78-130	<1	50
1,2,3,7,8-PeCDF	895	1000	90	887	1000	89	80-134	<1	50
2,3,4,6,7,8-HxCDF	815	1000	82	799	1000	80	70-156	2	50
2,3,4,7,8-PeCDF	995	1000	100	971	1000	97	68-160	2	50
2,3,7,8-TCDF	186	200	93	181	200	91	75-158	3	50
OCDF	2190	2000	109	2020	2000	101	63-170	8	50

Analytical Report

Client: ALS Environmental - Holland (MI) Service Request: E2300044

Project:23010078Date Collected:NASample Matrix:Aqueous LeachateDate Received:NA

Sample Name:Lab Control SampleUnits: pg/LLab Code:EQ2300036-02Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method: 1613B Date Analyzed: 02/07/23 21:42

Prep Method:Method Sep Funnel/JarDate Extracted:1/31/23Sample Amount:1000.0mLInstrument Name:E-HRMS-08

Data File Name: P634903 Blank File Name: P634894

ICAL Date: 03/15/22 Blank File Name: P634894

Cal Ver. File Name: P634891

					Ion		Dilution
Analyte Name	Result	Q	EDL	MRL	Ratio	RRT	Factor
2,3,7,8-TCDD	165		2.48	5.00	0.78	1.001	1
1,2,3,7,8-PeCDD	1040		1.71	25.0	1.54	1.000	1
1,2,3,4,7,8-HxCDD	1020		0.741	25.0	1.23	1.000	1
1,2,3,6,7,8-HxCDD	940		0.722	25.0	1.26	1.000	1
1,2,3,7,8,9-HxCDD	1070		0.703	25.0	1.28	1.007	1
1,2,3,4,6,7,8-HpCDD	871		0.847	25.0	1.03	1.000	1
OCDD	2150		5.37	50.0	0.88	1.000	1
2,3,7,8-TCDF	186		1.83	5.00	0.77	1.001	1
1,2,3,7,8-PeCDF	895		0.564	25.0	1.56	1.001	1
2,3,4,7,8-PeCDF	995		0.589	25.0	1.50	1.000	1
1,2,3,4,7,8-HxCDF	883		0.486	25.0	1.23	1.000	1
1,2,3,6,7,8-HxCDF	989		0.524	25.0	1.24	1.000	1
1,2,3,7,8,9-HxCDF	985		0.593	25.0	1.22	1.000	1
2,3,4,6,7,8-HxCDF	815		0.441	25.0	1.24	1.000	1
1,2,3,4,6,7,8-HpCDF	981		1.34	25.0	0.99	1.000	1
1,2,3,4,7,8,9-HpCDF	886		1.30	25.0	0.96	1.000	1
OCDF	2190		9.66	50.0	0.86	1.005	1

Analytical Report

Client:

ALS Environmental - Holland (MI)

Service Request: E2300044

Project:

23010078

Date Collected: NA

Sample Matrix:

Aqueous Leachate

Date Received: NA

Sample Name:

Lab Control Sample

Units: pg/L

Lab Code:

EQ2300036-02

Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method:

1613B

Date Analyzed: 02/07/23 21:42

Prep Method:

Method Sep Funnel/Jar

Date Extracted: 1/31/23

Sample Amount:

1000.0mL

Instrument Name: E-HRMS-08

GC Column: DB-5MSUI

Blank File Name: P634894

Data File Name: **ICAL Date:**

P634903 03/15/22

Cal Ver. File Name: P634891

					Ion		Dilution
Analyte Name	Result	Q	EDL	MRL	Ratio	RRT	Factor
Total Tetra-Dioxins	165		2.48	5.00	0.78		1
Total Penta-Dioxins	1040		1.71	25.0	1.54		1
Total Hexa-Dioxins	3020		0.722	25.0	1.23		1
Total Hepta-Dioxins	872		0.847	25.0	0.94		1
Total Tetra-Furans	186		1.83	5.00	0.74		1
Total Penta-Furans	1890		0.576	25.0	1.56		1
Total Hexa-Furans	3680		0.505	25.0	1.23		1
Total Hepta-Furans	1890		1.32	25.0	0.99		1

Analytical Report

Client: ALS Environmental - Holland (MI)

Service Request: E2300044 23010078

Project: Date Collected: NA Sample Matrix: Aqueous Leachate Date Received: NA

Sample Name: Lab Control Sample Units: Percent EQ2300036-02 Lab Code: Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method: 1613B **Date Analyzed:** 02/07/23 21:42

Method Sep Funnel/Jar Prep Method: Date Extracted: 1/31/23 Sample Amount: 1000.0mL Instrument Name: E-HRMS-08

GC Column: DB-5MSUI Data File Name: P634903 Blank File Name: P634894

ICAL Date: 03/15/22 Cal Ver. File Name: P634891

Labeled Standard Results

	Spike	Conc.	A/ 75		Control	Ion	DD#
Labeled Compounds	Conc.(pg)	Found (pg)	% Rec	Q	Limits	Ratio	RRT
13C-2,3,7,8-TCDD	2000	1425.524	71		25-164	0.77	1.019
13C-1,2,3,7,8-PeCDD	2000	1312.863	66		25-181	1.56	1.172
13C-1,2,3,4,7,8-HxCDD	2000	1296.985	65		32-141	1.25	0.992
13C-1,2,3,6,7,8-HxCDD	2000	1326.713	66		28-130	1.26	0.994
13C-1,2,3,4,6,7,8-HpCDD	2000	1176.953	59		23-140	1.05	1.066
13C-OCDD	4000	1590.386	40		17-157	0.89	1.142
13C-2,3,7,8-TCDF	2000	1257.558	63		24-169	0.79	0.994
13C-1,2,3,7,8-PeCDF	2000	1490.768	75		24-185	1.60	1.132
13C-2,3,4,7,8-PeCDF	2000	1405.728	70 70		21-178	1.58	1.163
13C-1,2,3,4,7,8-HxCDF	2000	1344.772	67				
					26-152	0.49	0.972
13C-1,2,3,6,7,8-HxCDF	2000	1167.072	58		26-123	0.53	0.975
13C-1,2,3,7,8,9-HxCDF	2000	1230.660	62		29-147	0.52	1.008
13C-2,3,4,6,7,8-HxCDF	2000	1508.071	75		28-136	0.52	0.988
13C-1,2,3,4,6,7,8-HpCDF	2000	894.388	45		28-143	0.42	1.041
13C-1,2,3,4,7,8,9-HpCDF	2000	1192.274	60		26-138	0.44	1.079
37Cl-2,3,7,8-TCDD	800	557.381	70		35-197	NA	1.020

Analytical Report

Client: ALS Environmental - Holland (MI) Service Request: E2300044

Project:23010078Date Collected:NASample Matrix:Aqueous LeachateDate Received:NA

Sample Name:Duplicate Lab Control SampleUnits: pg/LLab Code:EQ2300036-03Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method: 1613B **Date Analyzed:** 02/07/23 22:32

Prep Method:Method Sep Funnel/JarDate Extracted:1/31/23Sample Amount:1000.0mLInstrument Name:E-HRMS-08

GC Column: DB-5MSUI

 Data File Name:
 P634904
 Blank File Name:
 P634894

 ICAL Date:
 03/15/22
 Cal Ver. File Name:
 P634891

		•	nn.	1.FDY	Ion		Dilution
Analyte Name	Result	Q	EDL	MRL	Ratio	RRT	Factor
2,3,7,8-TCDD	166		2.27	5.00	0.76	1.001	1
1,2,3,7,8-PeCDD	1030		0.958	25.0	1.59	1.000	1
1,2,3,4,7,8-HxCDD	989		0.821	25.0	1.24	1.000	1
1,2,3,6,7,8-HxCDD	924		0.723	25.0	1.22	1.000	1
1,2,3,7,8,9-HxCDD	1050		0.739	25.0	1.32	1.006	1
1,2,3,4,6,7,8-HpCDD	858		1.08	25.0	1.05	1.000	1
OCDD	2050		5.79	50.0	0.86	1.000	1
•							
2,3,7,8-TCDF	181		1.54	5.00	0.77	1.001	1
1,2,3,7,8-PeCDF	887		1.05	25.0	1.57	1.001	1
2,3,4,7,8-PeCDF	971		1.13	25.0	1.60	1.000	1
1,2,3,4,7,8-HxCDF	865		0.650	25.0	1.22	1.000	1
1,2,3,6,7,8-HxCDF	950		0.694	25.0	1.25	1.000	1
1,2,3,7,8,9-HxCDF	976		0.876	25.0	1.18	1.000	1
2,3,4,6,7,8-HxCDF	799		0.588	25.0	1.24	1.000	1
1,2,3,4,6,7,8-HpCDF	975		1.31	25.0	0.98	1.000	1
1,2,3,4,7,8,9-HpCDF	836		1.38	25.0	1.02	1.000	1
OCDF	2020		4.69	50.0	0.89	1.005	1

Analytical Report

Client: ALS Environmental - Holland (MI)

23010078

Project: Date Collected: NA Sample Matrix: Aqueous Leachate Date Received: NA

Sample Name: Duplicate Lab Control Sample Units: pg/L Lab Code: EQ2300036-03 Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method: 1613B

Method Sep Funnel/Jar Prep Method:

Sample Amount:

1000.0mL

Data File Name: P634904 ICAL Date: 03/15/22 Date Analyzed: 02/07/23 22:32

Date Extracted: 1/31/23

Service Request: E2300044

Instrument Name: E-HRMS-08 GC Column: DB-5MSUI

Blank File Name: P634894

Cal Ver. File Name: P634891

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
Total Tetra-Dioxins	166		2.27	5.00	0.76		1
Total Penta-Dioxins	1030		0.958	25.0	1.59		1
Total Hexa-Dioxins	2960		0.758	25.0	1.24		1
Total Hepta-Dioxins	858		1.08	25.0	1.05		1
Total Tetra-Furans	182		1.54	5.00	0.69		1
Total Penta-Furans	1880		1.09	25.0	1.32		1
Total Hexa-Furans	3590		0.688	25.0	1.22		1
Total Hepta-Furans	1810		1.34	25.0	0.98		1

Analytical Report

Client: Project: ALS Environmental - Holland (MI)

23010078

Service Request: E2300044

Date Collected: NA

Sample Matrix:

Aqueous Leachate

Date Received: NA

Sample Name:

Duplicate Lab Control Sample

Lab Code:

EQ2300036-03

Units: Percent

Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method:

1613B

Date Analyzed: 02/07/23 22:32

Prep Method:

Method Sep Funnel/Jar

Date Extracted: 1/31/23

Sample Amount:

1000.0 mL

Instrument Name: E-HRMS-08

GC Column: DB-5MSUI

Data File Name:

P634904

Blank File Name: P634894

ICAL Date:

03/15/22

Cal Ver. File Name: P634891

Labeled Standard Results

	Spike	Conc.			Control	Ion	
Labeled Compounds	Conc.(pg)	Found (pg)	% Rec	_Q_	Limits	Ratio	RRT
13C-2,3,7,8-TCDD	2000	1337.911	67		25-164	0.78	1.019
13C-1,2,3,7,8-PeCDD	2000	1147.396	57		25-181	1.61	1.172
13C-1,2,3,4,7,8-HxCDD	2000	1067.376	53		32-141	1.25	0.992
13C-1,2,3,6,7,8-HxCDD	2000	1220.731	61		28-130	1.23	0.994
13C-1,2,3,4,6,7,8-HpCDD	2000	1140.596	57		23-140	1.07	1.066
13C-OCDD	4000	1796.869	45		17-157	0.91	1.142
13C-2,3,7,8-TCDF	2000	1228.889	61		24-169	0.78	0.994
13C-1,2,3,7,8-PeCDF	2000	1314.366	66		24-185	1.57	1.133
13C-2,3,4,7,8-PeCDF	2000	1194.609	60		21-178	1.55	1.163
13C-1,2,3,4,7,8-HxCDF	2000	1185.878	59		26-152	0.49	0.972
13C-1,2,3,6,7,8-HxCDF	2000	1093.927	55		26-123	0.53	0.975
13C-1,2,3,7,8,9-HxCDF	2000	1006.395	50		29-147	0.51	1.008
13C-2,3,4,6,7,8-HxCDF	2000	1352.047	68		28-136	0.51	0.988
13C-1,2,3,4,6,7,8-HpCDF	2000	876.857	44		28-143	0.44	1.041
13C-1,2,3,4,7,8,9-HpCDF	2000	1084.989	54		26-138	0.43	1.079
37Cl-2,3,7,8-TCDD	800	513.645	64		35-197	NA	1.020

23010078
Estrumonima, evalue, knot-monoral tentop-annon. Its
Project F036 Leechale analysis (3.23)

Chain of Custody Form

Page 1 of 1

ALS Environmental 3352 128th Avenue Holland, Michigan 49424 (Tel) 616.399.6070 (Fax) 616.399.6185

				L		¥	S Project	ALS Project Manager:				ALS	ALS Work Order #:	rder #:				
	Customer intormation	mation		Proj	Project Information	nation				Pa	ramet	er/Met	Parameter/Method Request for Analysis	dnest	for Ana	alysis		
Purchase Order	Order		Projec	Project Name R	RIES01032023	23			A Alo	Aldrin								
Work Order	Order		Project Number	lumber					B	xachloro	dibenza	Hexachlorodibenzo-p-dioxins	ins					
Company Name		Republic Industrial and Energy	Bill To Company		Republic Industrial and Energy	dustrial a	and Energy	-	C	rosodin	Nitrosodimethlyamine	nine						
Send Report To	ort To Rick Sauve	/e	Invoice	ce Attn.					D 1,2	,3,4,6,7	8,9-Oct	achlor-c	1,2,3,4,6,7,8,9-Octachlor-dibenzofuran	uran				
	28470 Cintrin Dr.	ntrin Dr.	•		28470 Cintrin Dr.	in Dr.			E 1,2	3,4,6,7	8,9-Oct	achloro	1,2,3,4,6,7,8,9-Octachloro-dibenzo-p-dioxin	-p-dioxir	_			
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		2708		Phone					I									
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e-Mail Ad	dress RSauve@r	e-Mail Address RSauve@republicservices.com							ſ									
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Rick Sauve	nulls	Speck		-		☐ 10 BD		√ 5 BD	380		☐ 2 BD		1 BD					
Relinquished by:		Date:	Time:	Received by:				Date:	Time:	Notes:					((,
Rick Sauve	-	1/3/2023	1:52		$\begin{cases} \end{cases}$			1/3/23	1.52	Reco	 -:0	13 23		2000		H	(
Relinquished by:		Date:	Time:	Received by	(Laboratory):			Date:	Time:	ALS Cooler		Cooler	QC Pac	:kage: (QC Package: (Check Box Below)	ox Bel	(MC	
	1/7	[1] 3/23	200	フ _	Λ			11 5/23	S.V	₽		Temp	了 Level	✓ Level II: Standard QC	nd QC] Level II	Level III: Raw Data	ata
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Revision 2 - Et	Revision 2 - Effective 11/9/2016				Copyrigh	t 2016 b	y ALS En	Copyright 2016 by ALS Environmental	_		Sam	pies and	samples and COC Form nave been submitted to ALS.	orm nav	e Deem S	nomitt	R 01 D	ġ

ALS Group, USA Holland, Michigan

Client Name: REPULICINDUSTRIAL - ROMULU

Sample Receipt Checklist

Date/Time Received:

03-Jan-23 20:00

Work Order:	2301007	<u>78</u>				Received b	y:	DS	<u>i</u>				
Checklist comp	-	Diane Shaw		04-Jan-23	_	Reviewed by:		lsey C	ook			05-Jan-23	_
Matrices: Carrier name:	<u>Liquid</u> Courie			Date			eSigna	ature				Date	
Shipping contai	ner/coole	er in good condition?		Yes	v	No 🗌	No	t Present					
Custody seals i	ntact on s	shipping container/coole	er?	Yes		No 🗌	No	t Present	~				
Custody seals i	ntact on s	sample bottles?		Yes		No 🗌	No	t Present	~				
Chain of custod	ly presen	t?		Yes	✓	No 🗌							
Chain of custod	ly signed	when relinquished and	received?	Yes	✓	No 🗆							
Chain of custod	ly agrees	with sample labels?		Yes	✓	No 🗌							
Samples in prop	per conta	iner/bottle?		Yes	✓	No 🗌							
Sample contain	ers intact	t?		Yes	✓	No 🗌							
Sufficient samp	le volume	e for indicated test?		Yes	y	No 🗌							
All samples rec	eived with	hin holding time?		Yes	V	No 🗌							
Container/Temp	o Blank te	emperature in complianc	e?	Yes	V	No 🗀							
Sample(s) recei Temperature(s)				Yes 4.1/5.1		No 🗆	<u>.</u>	IR3					
Cooler(s)/Kit(s):	:												
Date/Time sam		-			23 9:	05:49 AM							
		zero headspace?		Yes		No 🗔		A vials sub	mitted	✓			
Water - pH acce	eptable u	pon receipt?		Yes		No 🗔	N/A						
pH adjusted? pH adjusted by:				Yes_		No 🗔	N/A	V					
Login Notes:													
					_							====	-
Client Contacted	d:		Date Contacted:			Person	Contact	ted:					
Contacted By:			Regarding:										
Comments:													
CorrectiveAction	n: [····								
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