

November 2nd, 2022

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 Third 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 August 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 August 9th, 2022. Analyses were not received by RIES until October 31st, 2022. This report is submitted as timely as possible upon the 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)

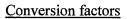
AVERAGE INJECTION RATE

Calculation of Average Injection Rate

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

CURRENT MONTH (all volumes in gallons)

	Injected Waste	Injected Non-Waste	Total injected
М	I-163-1W-C010,	Well #1-12	
Current Month	413,738	0	413,738
Since facility first injected			49,389,003
М	II-163-1W-C011, v	Well #2-12	
Current Month	590,440	0	590,440
Since facility first injected			29,136,276
		Lifetime Combined	78,525,279



365.25 days per year \div 12 months per year = 30.4375 days per month 30.4375 days per month \times 1440 minutes per day = 43,830 minutes per month

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Calculations Whole number of months of injection 104	
104 lifetime number of months of injection >	< 43,830 minutes/month $= 4,558,320 minutes of injection$
Lifetime combined injected volume $\frac{78,525,279}{= 17.23}$	



Comment on Well 1 Data

On 8/17, injection pressure gauge was briefly removed from the injection tree so that a wireline unit could be rigged up on Well 1-12 for annual MIT procedures. Injection pressure gauge was replaced on 8/17 for injection associated with radioactive tracer survey. After completion of RAT, injection pressure gauge was once again removed from the injection tree so that the wireline unit could be rigged down. On 8/19, a slickline unit was rigged up on Well 1-12 for the falloff test. Injection pressure gauge was replaced on 8/19 for injection associated with falloff test. After completion of falloff test, injection pressure gauge was once again removed from the injection tree so that the slickline unit could be rigged down. Injection pressure gauge was returned to injection tree for normal operations on 8/22 after completion of annual MIT procedures.

For all instances above where injection pressure gauge was removed from the injection tree, no fluid was injected into Well 1-12.



					Injectio	Injection Well 1, August 2022	t 2022					
	Injection P	Injection Pressure (psig)	Annulus Tan	Annulus Tank Level (inch)	Annulus Pre	Annulus Pressure (psig)	Inject	Injection pH	Flow Ra	Flow Rate (gpm)	Differential P	Differential Pressure (psig)
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
8/1/2022	101.6	951.7	26.5	26.6	813.2	1448.7	4.7	7.1	0.0	83.5	290.2	714.3
8/2/2022	147.7	948.9	26.5	26.7	911.4	1431.2	5.7	7.9	0.0	58.3	344.4	784.8
8/3/2022	133.1	951.3	26.6	26.7	924.8	1,427.0	6.3	7.5	0.0	45.8	381.2	819.3
8/4/2022	107.1	954.7	26.6	26.6	931.6	1,431.9	3.0	7.1	0.0	58.0	392.3	833.8
8/5/2022	133.3	920.8	26.5	26.6	912.0	1,368.8	2.2	7.1	0.0	59.1	351.9	800.1
8/6/2022	120.0	566.6	26.5	26.6	835.4	1,154.6	5.6	6.3	0.0	5.1	587.9	786.5
8/7/2022	112.9	120.4	26.5	26.6	812.8	835.8	5.6	5.9	0.0	0.0	9.69	715.7
8/8/2022	111.2	952.5	26.5	26.6	809.2	1,440.7	3.2	7.3	0.0	47.2	295.9	700.4
8/9/2022	119.8	954.8	26.5	26.6	846.0	1,343.0	2.2	6.1	0.0	94.1	271.1	793.8
8/10/2022	142.7	150.8	26.5	26.6	812.5	846.5	3.3	7.3	0.0	0.0	669.5	696.2
8/11/2022	20.5	902.7	26.4	26.5	806.1	1,327.6	5.4	7.3	0.0	71.1	279.7	811.8
8/12/2022	28.2	952.4	26.4	26.5	792.6	1,220.1	1.0	7.5	0.0	71.1	236.7	780.0
8/13/2022	152.3	163.8	26.4	26.5	792.8	811.1	2.2	2.3	0.0	0.0	640.2	647.7
8/14/2022	147.1	152.5	26.4	26.4	784.8	793.7	2.3	2.3	0.0	0.0	637.3	641.5
8/15/2022	128.4	907.6	24.9	27.1	585.8	1,444.2	1.7	2.7	0.0	47.0	454.0	996.4
8/16/2022	11.4	177.1	24.9	25.0	1,096.0	1,105.5	2.3	7.3	0.0	0.0	927.8	1086.7
8/17/2022	-0.2	893.3	24.9	25.0	1,067.0	1,453.4	2.2	7.3	0.0	43.2	551.8	1124.7
8/18/2022	-0.2	3.1	24.9	25.1	1,091.7	1,103.2	7.3	7.3	0:0	0.0	1091.2	1103.2
8/19/2022	0.0	930.8	25.0	25.1	1,083.8	1,464.6	2.4	7.3	0.0	50.6	528.9	1091.9
8/20/2022	0.0	144.3	25.0	25.1	1086.8	1,110.3	6.6	7.0	0.0	0.0	948.9	1088.5
8/21/2022	-0.2	0.5	25.0	25.0	1081.6	1,087.4	6.7	6.8	0.0	0.0	1081.2	1087.2
8/22/2022	-0.2	954.9	24.9	25.1	1,078.9	1,894.8	2.4	12.8	0.0	63.0	543.7	1082.0
8/23/2022	5.2	958.1	25.0	25.1	1,112.8	1,798.7	1.9	12.0	0.0	53.0	702.3	1179.0
8/24/2022	73.2	85.6	25.0	25.1	1071.7	1,113.2	7.2	7.3	0.0	0.0	987.3	1027.6
8/25/2022	-179.7	951.7	25.0	25.2	1067.2	1627.8	1.7	7.2	0.0	63.3	556.7	1312.8
8/26/2022	-35.1	941.1	25.1	25.1	1128.8	1660.5	2.1	7.7	0.0	51.3	618.7	1180.0
8/27/2022	78.3	938.8	25.0	25.1	1123.8	1592.3	1.9	7.9	0.0	32.8	595.8	1077.1
8/28/2022	124.5	132.5	25.0	25.1	1073.1	1124.8	5.0	5.8	0.0	0.0	948.5	992.6
8/29/2022	73.8	945.2	25.0	25.1	1065.3	1621.3	2.7	7.8	0.0	57.3	603.2	993.4
8/30/2022	0.0	954.2	25.0	25.1	1108.4	1587.0	2.0	7.7	0.0	50.2	551.9	1116.5
8/31/2022	135.5	953.4	25.0	25.1	1109.6	1586.3	2.2	7.0	0.0	48.9	530.1	989.7

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

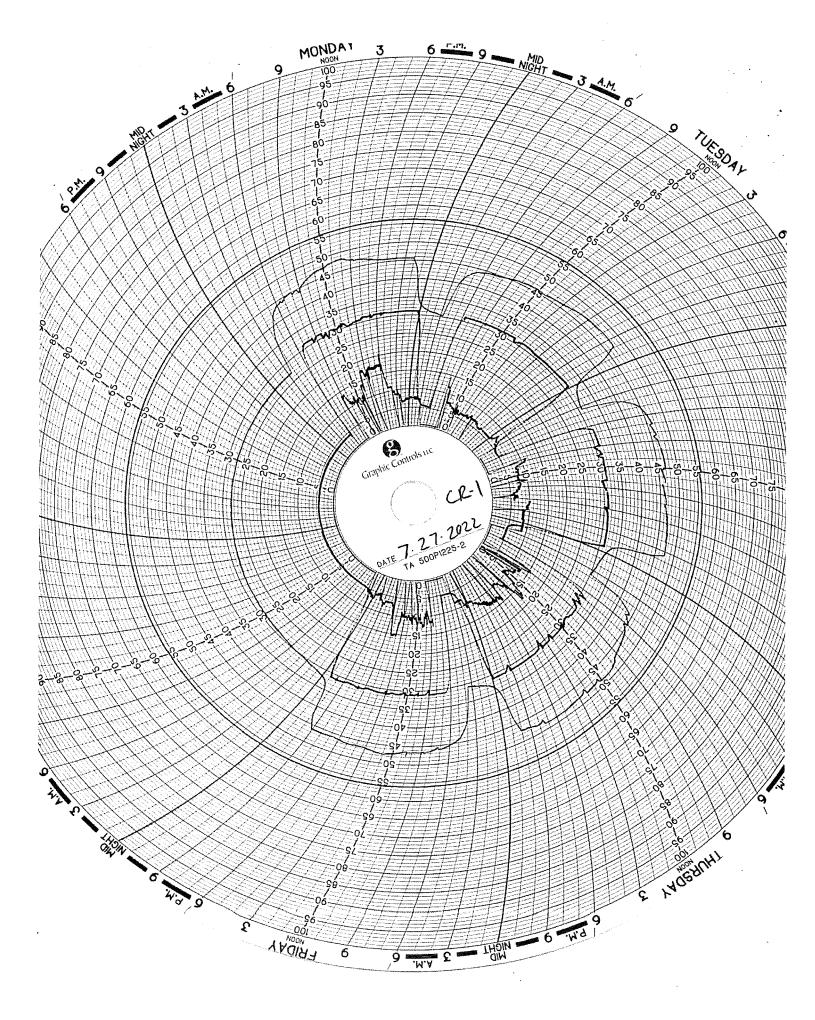
Red Pen – Well 1 Monthly Volume (chart value x 100,000)

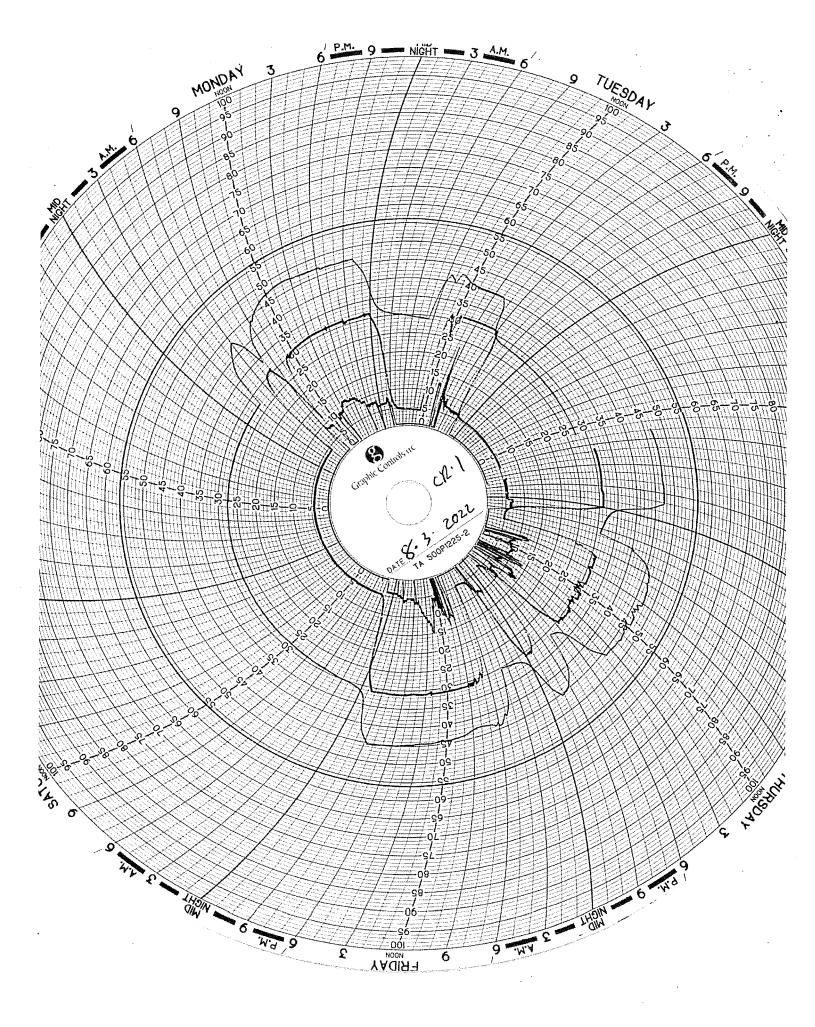
Channel #3

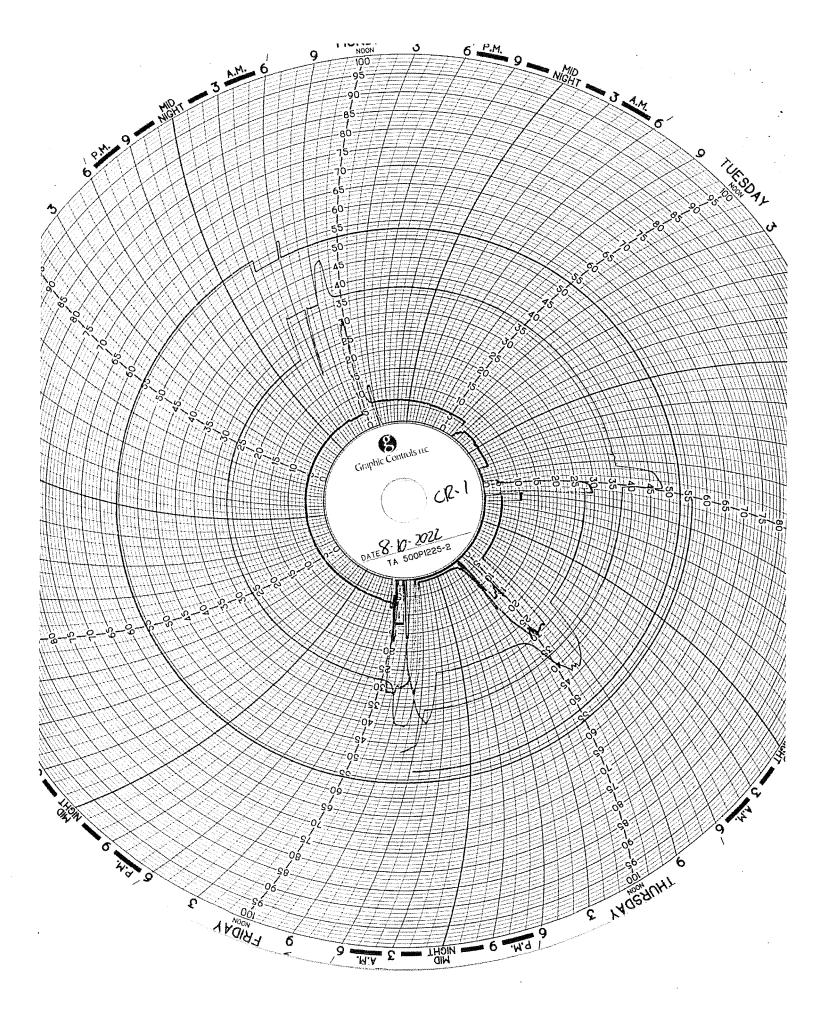
Green Pen – Well 2 Monthly Volume (chart value x 100,000)

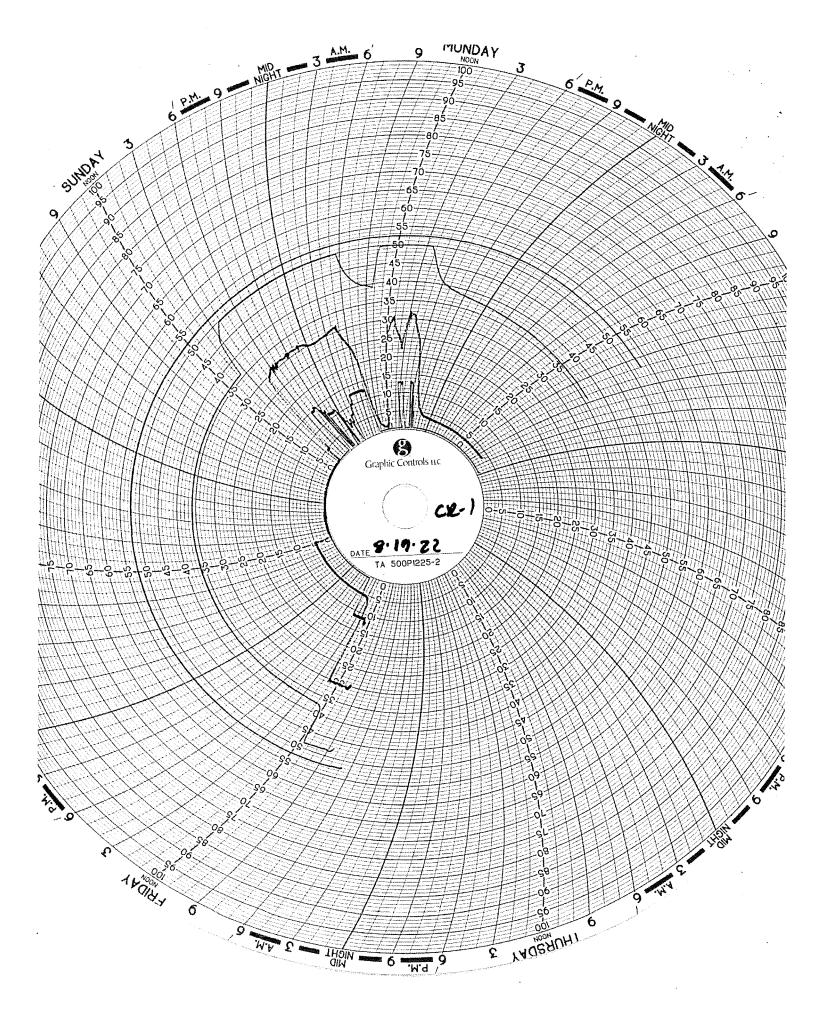
Channel #4

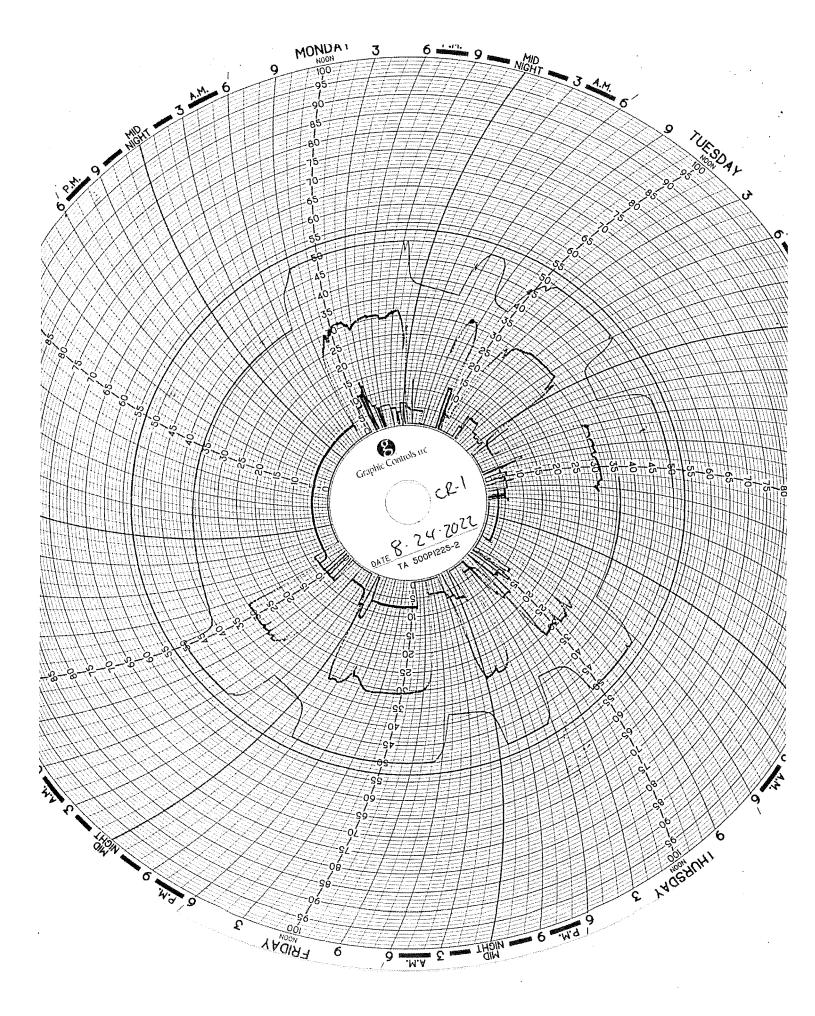
Black Pen – Temperature (chart value x 0)

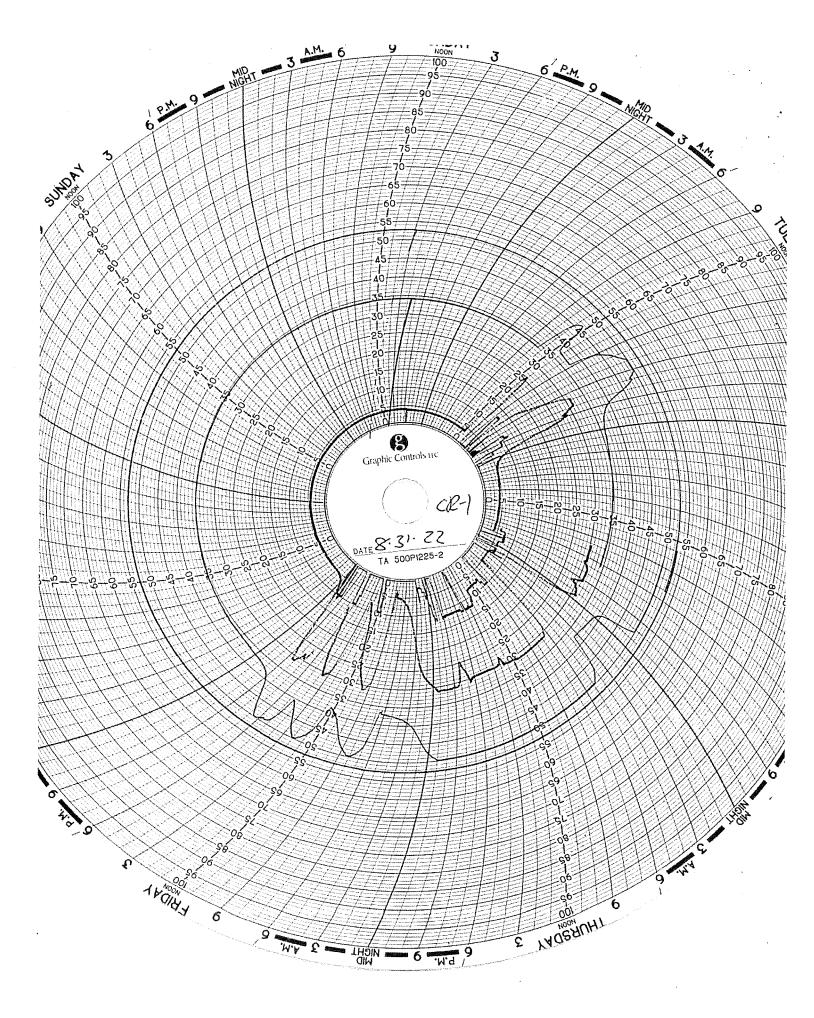














Comment on Well 2 Data

On 8/16, injection pressure gauge was briefly removed from the injection tree so that a wireline unit could be rigged up on Well 2-12 for annual MIT procedures. Injection pressure gauge was replaced on 8/16 for injection associated with radioactive tracer survey. After completion of RAT, injection pressure gauge was once again removed from the injection tree so that the wireline unit could be rigged down. On 8/17, a slickline unit was rigged up on Well 2-12 for the falloff test. Injection pressure gauge was replaced on 8/17 for injection associated with falloff test. After completion of falloff test, injection pressure gauge was once again removed from the injection tree so that the slickline unit could be rigged down. Injection pressure gauge was returned to injection tree for normal operations on 8/19 after completion of annual MIT procedures.

For all instances above where injection pressure gauge was removed from the injection tree, no fluid was injected into Well 2-12.



3					Injectio	Injection Well 2, August 2022	it 2022					
	Injection Pr	Injection Pressure (psig)	Annulus Tan	Annulus Tank Level (inch)	Annulus Pre	Annulus Pressure (psig)	Inject	Injection pH	Flow Ra	Flow Rate (gpm)	Differential P	Differential Pressure (psig)
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
8/1/2022	121.0	940.0	32.5	32.7	933.0	1561.7	7.0	7.1	0.0	54.8	422.9	813.9
8/2/2022	167.3	939.7	32.6	32.8	1047.2	1561.5	6.8	7.0	0.0	50.5	514.7	9.768
8/3/2022	164.2	940.1	32.7	32.8	1059.1	1,569.7	6.8	7.1	0.0	46.0	532.5	911.9
8/4/2022	164.9	940.4	32.7	32.8	1064.8	1,559.4	1.4	7.1	0.0	74.7	535.8	991.0
8/5/2022	136.9	940.0	32.6	32.7	1,034.7	1,595.9	2.1	7.3	0.0	55.3	614.5	968.5
8/6/2022	131.6	211.1	32.6	32.7	965.1	1,179.7	5.6	6.3	0.0	-0.4	833.1	968.8
8/7/2022	117.0	132.1	32.6	32.7	934.3	965.4	5.6	5.9	0.0	4.0	816.7	833.7
8/8/2022	114.5	934.3	32.6	32.7	929.9	1,517.9	5.8	7.3	0.0	58.6	452.5	923.9
8/9/2022	118.8	939.5	32.6	32.7	931.2	1,507.0	2.2	7.3	0.0	65.2	377.6	826.4
8/10/2022	125.2	925.8	32.6	32.7	961.7	1,478.3	1.9	6.8	0.0	62.1	472.9	905.5
8/11/2022	118.7	940.2	32.5	32.6	639.3	1,459.6	2.4	7.3	0.0	62.1	447.3	892.9
8/12/2022	144.4	863.1	32.5	32.6	632.9	1,387.7	1.0	7.5	0.0	43.8	431.1	952.8
8/13/2022	139.5	147.9	32.5	32.6	2.606	933.2	2.2	2.3	0.0	-0.3	769.5	785.9
8/14/2022	135.1	140.3	32.5	32.5	900.4	910.1	2.3	2.3	0:0	-0.3	764.6	770.5
8/15/2022	130.7	135.8	31.4	32.9	756.5	1,160.6	1.7	2.7	0.0	-0.3	622.3	1029.7
8/16/2022	-1.7	759.3	31.6	31.7	1,072.4	1,377.4	1.9	3.8	0.0	46.2	616.1	1134.3
8/17/2022	-1.7	873.0	31.6	31.7	1,094.3	1,434.6	2.5	7.3	0:0	52.0	561.4	1108.2
8/18/2022	141.6	883.9	31.6	31.7	1,096.8	1,441.1	9.9	6.9	0.0	50.3	557.8	955.7
8/19/2022	-1.7	142.3	31.6	31.8	1,091.3	1,097.1	2.0	7.3	0.0	-0.3	950.9	1095.2
8/20/2022	133.1	139.5	31.7	31.7	1085.7	1,091.7	7.2	7.3	0.0	-0. 4	951.7	953.4
8/21/2022	129.9	133.8	31.6	31.7	1081.9	1,086.1	7.2	7.2	0.0	-0.4	951.1	953.3
8/22/2022	121.9	809.5	31.6	31.7	1,077.2	1,443.7	2.2	7.2	0.0	61.5	595.7	999.5
8/23/2022	122.2	910.1	31.7	31.8	1,083.8	1,687.0	1.8	12.6	0.0	61.6	693.2	1066.5
8/24/2022	140.3	895.6	31.7	31.8	1153.7	1,700.6	1.9	8.9	0.0	61.4	653.4	1100.4
8/25/2022	101.3	827.9	31.7	31.8	1200.1	1616.2	1.7	7.2	0.0	60.5	716.8	1122.6
8/26/2022	145.0	886.4	31.7	31.8	1180.9	1687.9	2.1	2.7	0.0	51.6	744.9	1122.3
8/27/2022	152.2	856.2	31.7	31.8	1166.9	1637.6	1.9	6.7	0.0	57.2	677.0	1092.3
8/28/2022	135.5	161.9	31.6	31.7	1101.6	1167.2	5.0	5.8	0.0	-0.4	965.3	1006.0
8/29/2022	130.4	941.8	31.7	31.8	1092.0	1708.7	2.7	7.8	0.0	52.0	9:959	984.4
8/30/2022	127.7	939.5	31.7	31.8	1171.3	1663.4	2.0	7.7	0.0	48.7	654.6	1089.5
8/31/2022	4.1	940.2	31.7	31.9	1163.7	1655.8	2.2	7.0	0.0	42.7	631.2	1591.7

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

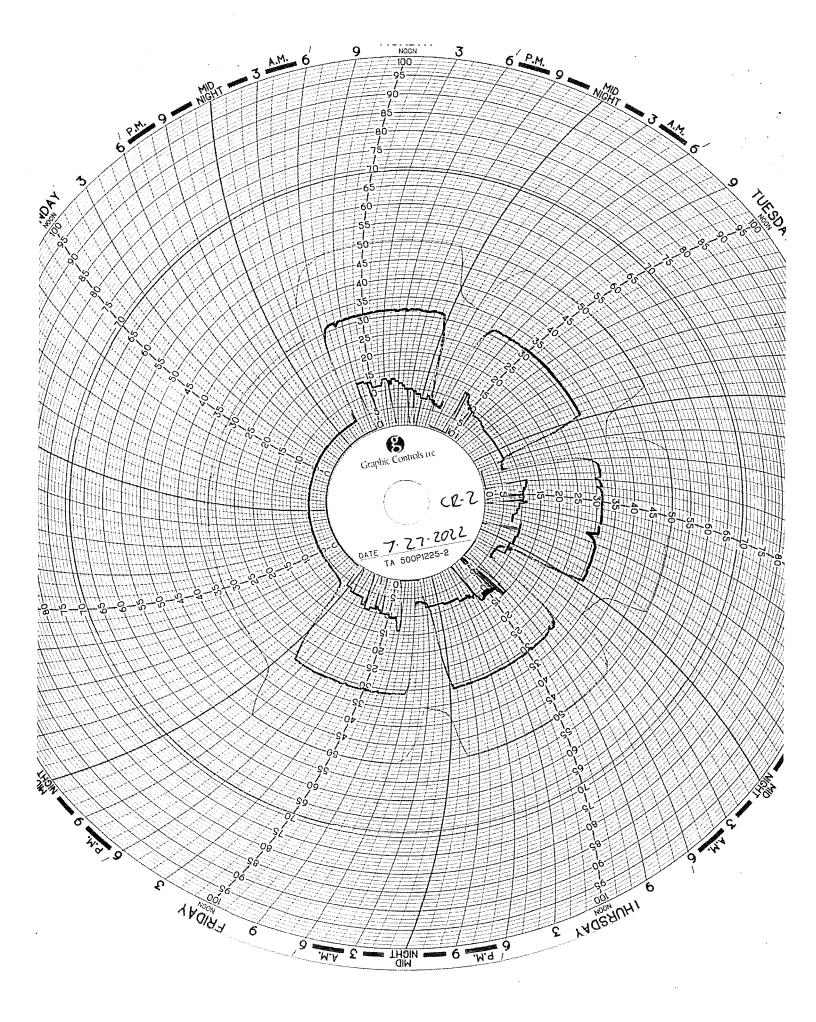
Red Pen – Well 1 Monthly Volume (chart value x 100,000)

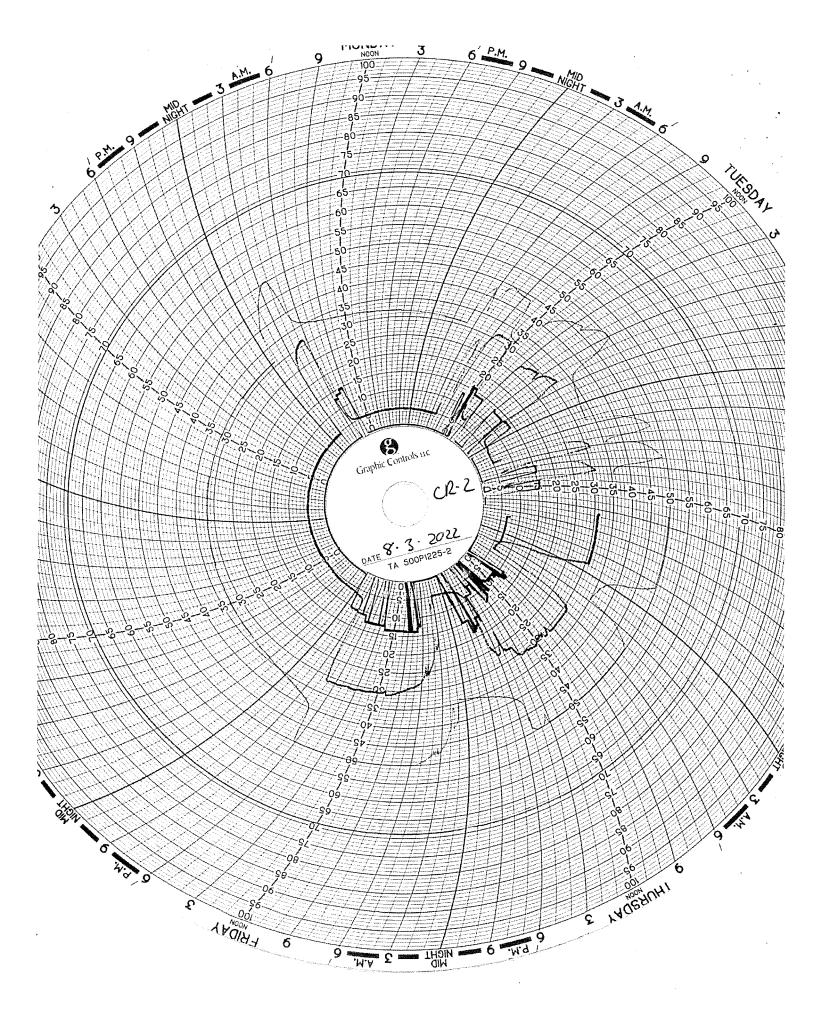
Channel #3

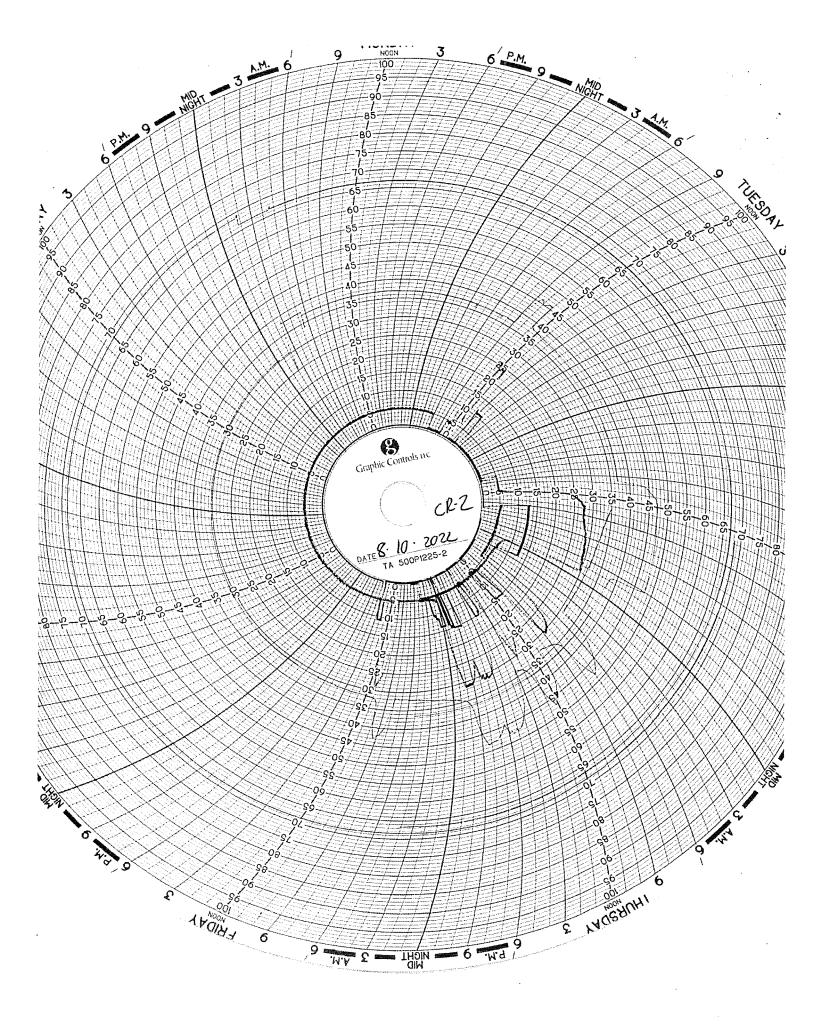
Green Pen – Well 2 Monthly Volume (chart value x 100,000)

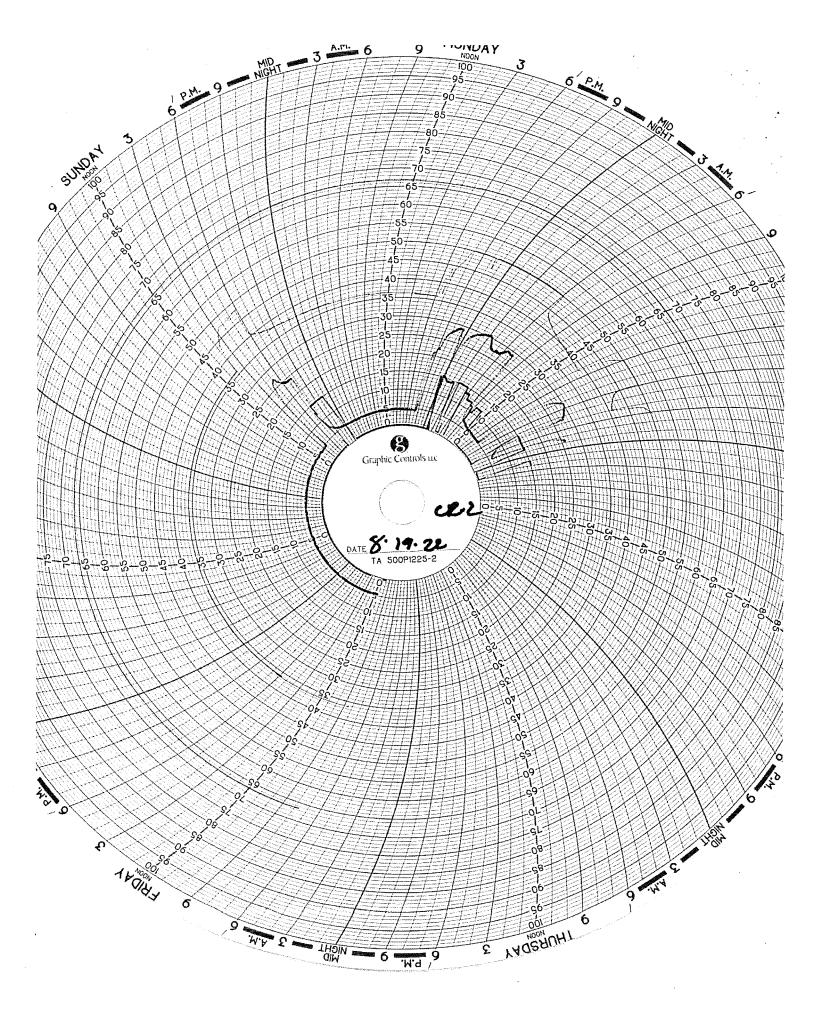
Channel #4

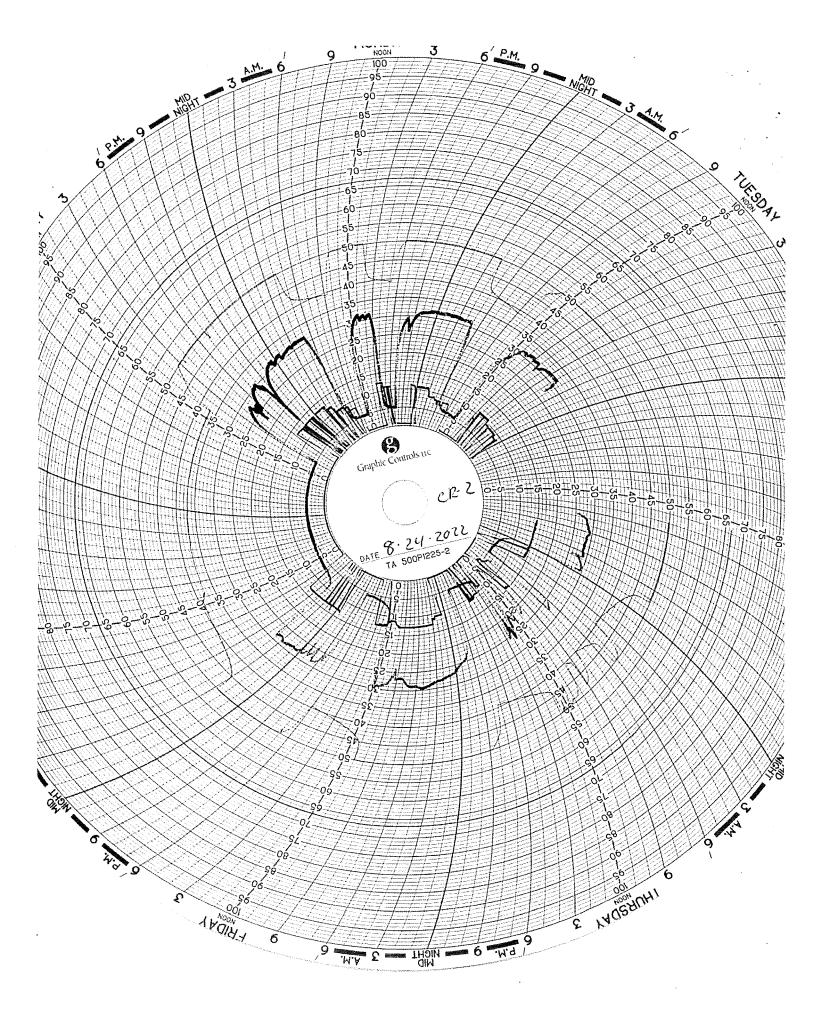
Black Pen – Temperature (chart value x 0)

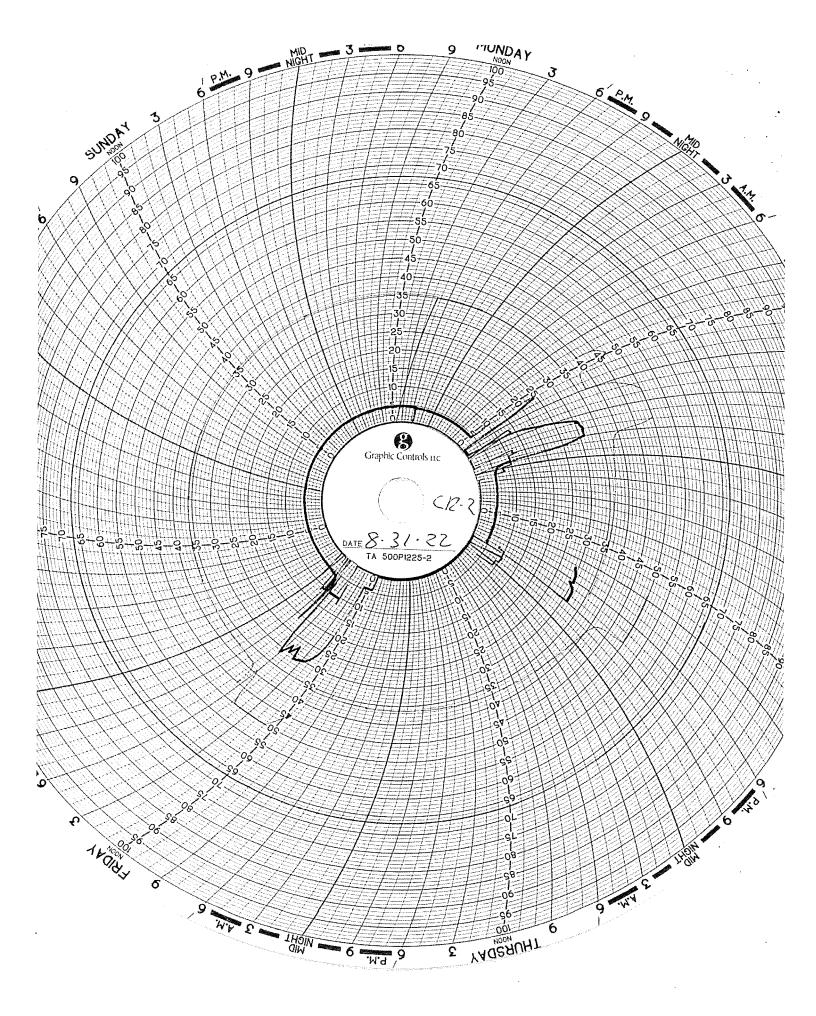












Circle Chart Index

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

Chart Recorder #1

Channel #1

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

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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

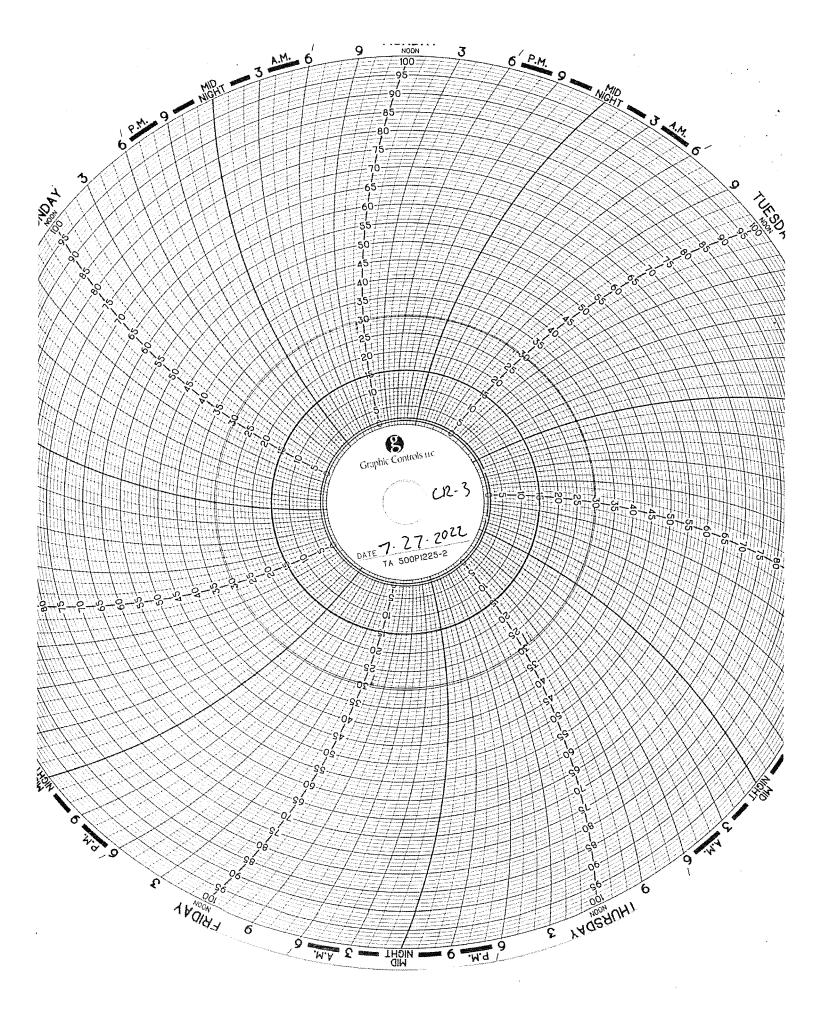
Red Pen – Well 1 Monthly Volume (chart value x 100,000)

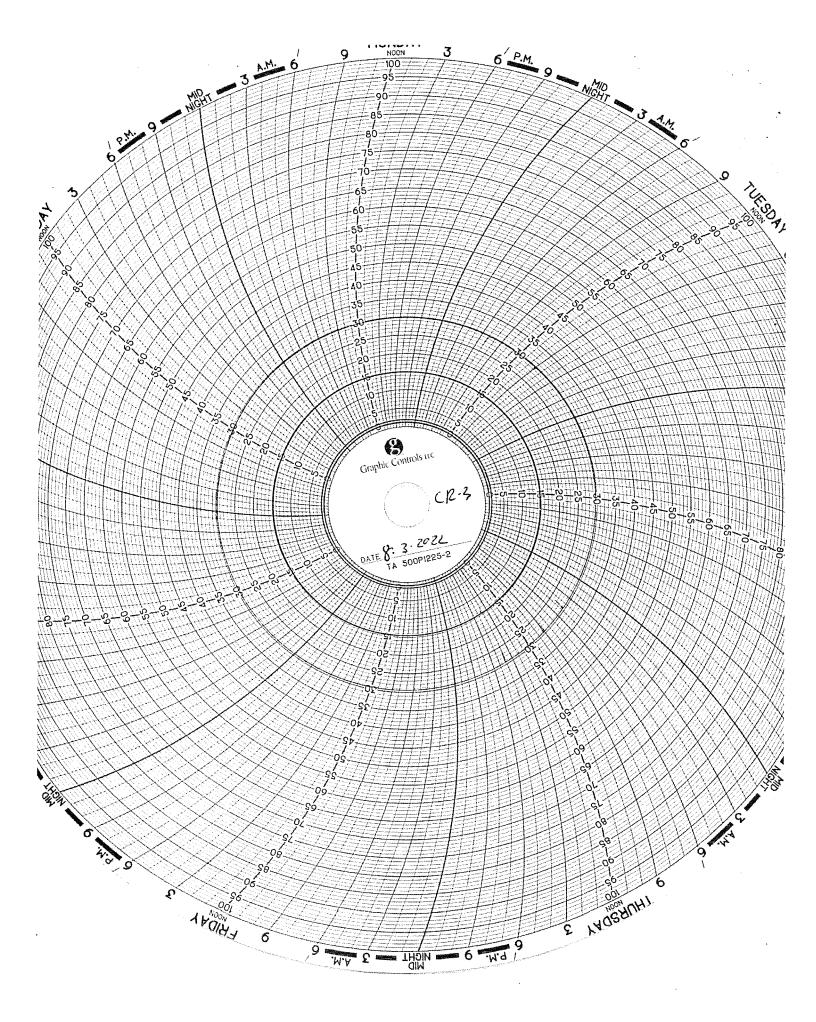
Channel #3

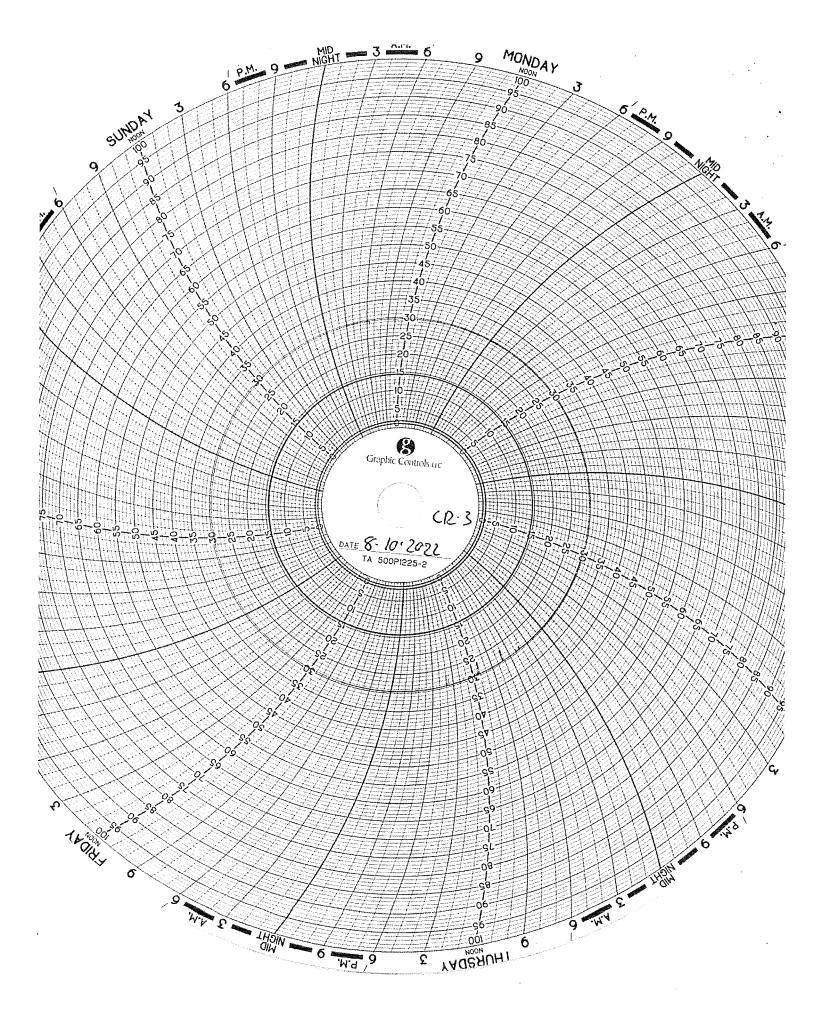
Green Pen – Well 2 Monthly Volume (chart value x 100,000)

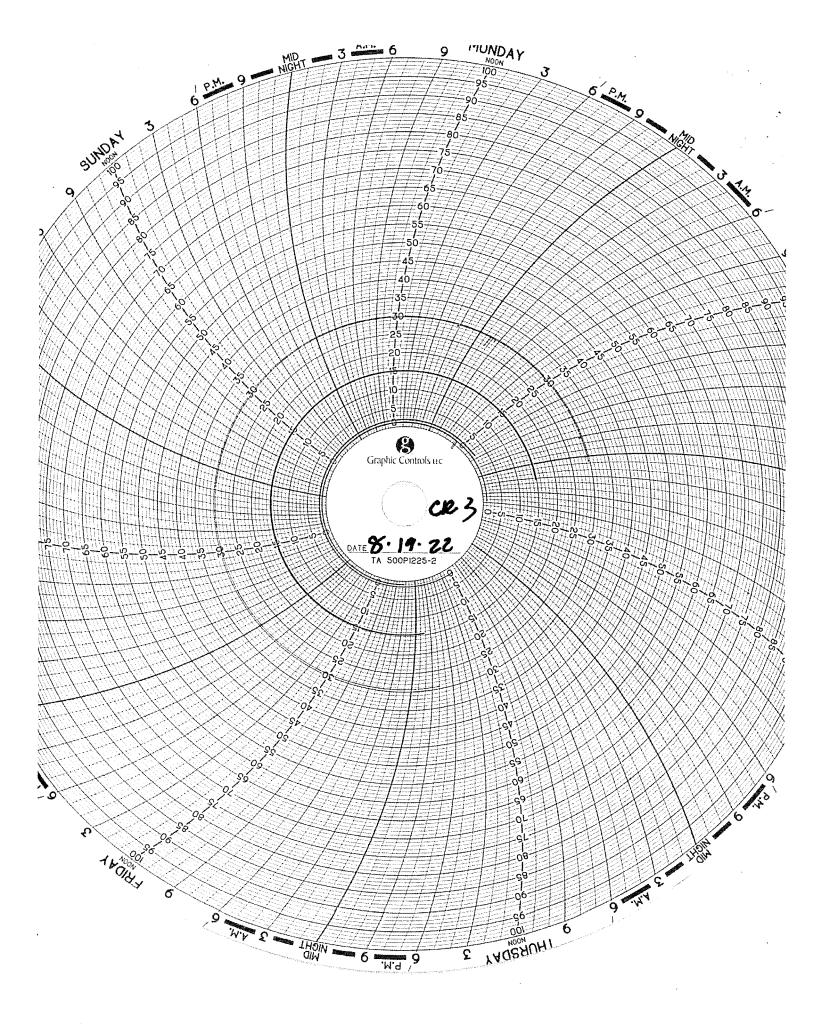
Channel #4

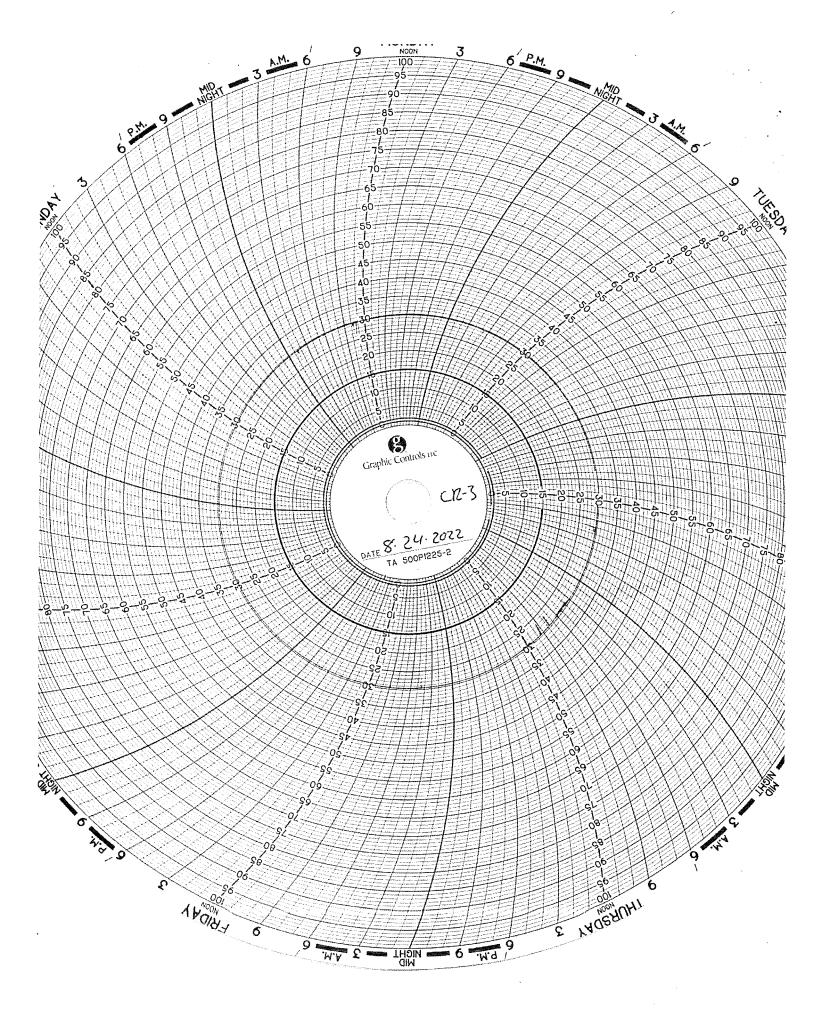
Black Pen – Temperature (chart value x 0)

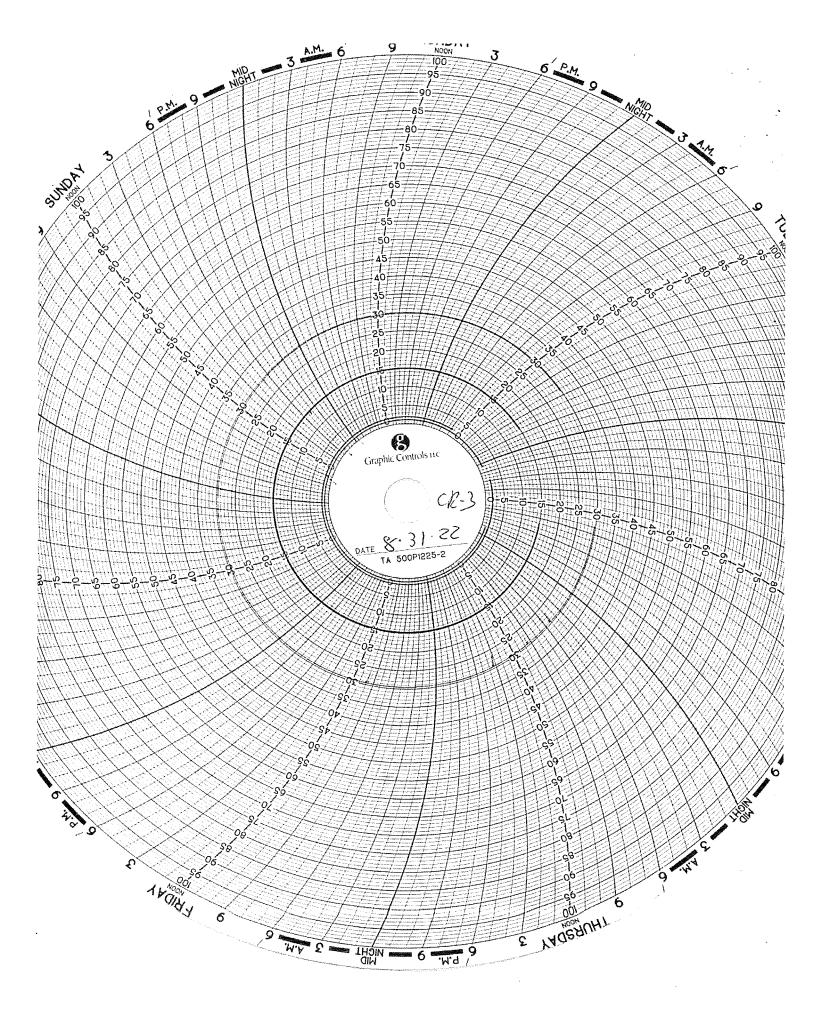














CORROSION MONITORING PLAN COUPON SUMMARY

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	
7/11/2014	13.323 g	10.304 g	7.196 g	
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	
1/3/2017	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	
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	
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	1
11/16/2017	13.325 g	7.363 g	18.047 g	1
12/12/2017	13.326 g	7.308 g	18.307 g	

CORROSION MONITORING PLAN COUPON SUMMARY

1/29/2018 13.326 g 10.930 g 18.027 g New stainless steel 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	l coupon
3/19/2018 13.325 g 10.926 g 18.030 g 4/16/2018 13.336 g 10.863 g 18.068 g	
4/16/2018 13.336 g 10.863 g 18.068 g	
5/17/2018	
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	1
11/20/2018 13.326 g 10.853 g 18.032 g	
12/11/2018	
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	1
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	
10/17/2019 13.326 g 10.842 g 18.030 g	
11/20/2019 13.326 g 10.842 g 18.030 g	ŀ
12/11/2019	
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 r	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	
9/24/2020 13.289 g 9.796 g 17.656 g	
10/19/2020	
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	1
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	ĺ
12/15/2021	
1/17/2022	
2/15/2022 13.276g 9.347g 16.965g	
3/18/2022 13.281g 9.368g 17.246g	1

CORROSION MONITORING PLAN COUPON SUMMARY

4/18/2022	13.275	9.339	16.656	1
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	

Date: 08/17/2022

Material: C1563/316L

Weight: 9.195 g



Date: 08/17/2022

Material: C276 5

Weight: 13.277 g



Date: 08/17/2022

Material: Fiberglass

Weight: 15.841 g



COOROSION MONITORING COUPONS VISUAL DESCRIPTION

August 2022

Fiberglass Coupon

The coupon has developed a purple tint and is smooth. Its cut edges appear sanded. The coupon is free of cracks and swelling. There is some shallow pitting and look has changed from polished to dull.

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. No significant change from previous month.

Stainless Steel Coupon

The coupon has corrosion surrounding the hole where it's bolted in the pipe, and some pitting is visible throughout the coupon. No significant change from previous month.

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

Scott W. Yates

Plastics Testing Assistant Manager

Approved By:



December 12, 2016

-TEST REPORT-

PN 132662 PO

PLASTICS TESTING DEPARTMENT

Prepared For:

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

Prepared By

Melisşá Martin Senior Profect Technician

Approved By

Jim Diummond Physical Testing, Manager

Rev 041916

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 A 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



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 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

SÇ

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.

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 PHASTIC TESTING, INC

M. W. Ghesquiere

President

MWG/kni

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TOTAL 1 PAGES

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

。1966年1月1日 - 1960年1月1日 - 1986年1月1日 - 1980年1日 - 1980年11日 - 1980年1日 - 1980年1日

3.5

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 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 was returned to the client on February 17, 2014.

111/1/

GHESQUIERE PLASTIC PESTING, INC.

医乳头腺性 医乳头皮皮脂腺素皮脂质 化硫酸 化基本 化基苯基

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· 15 人 25 公司 (BESS 中國企業 19 公司) 4

... M. W. Ghesquiere

President

MWG/dm

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TOTAL 1 PAGES

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.

M. W. Ghesquiere

President

MWG/dm



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 Festing, 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

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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

SÍ

Melisea Martin Sr. Project Technician

/ SI.

Approved By:

Scott W Vates

Plastics Testing Assistant Manager

BARCOL HARDNESS REPORT

Customer	: Republic Industrial and Energy Solutions, LLC				
Compone	nt Tested:	Test Coupo	n		
PO Numbe	er: 957555	3	Job	Number:	3415
Calibratio	n: Disc:	43 - 48	Actua	l Reading:	45
Barcol	Readings	1	2	3	Average
	Side One:	62	63	58	61
	Side Two:	58	60	57	58
			Overal	Average:	60
Tested By			400	<u> </u>	
			` (signatur	e)	
		Gary Nichol	soʻn	Date:	01/12/2021
	(pr	int or type r	name)		

BARCOL HARDNESS REPORT

Customer:	r: Republic Industrial and Energy Solutions, LLC				
Component Tes	Component Tested: Test Coupon				
PO Number:	1015979	3 2	Jok	Number:	3556
Calibration:	Disc:	43 - 48	Actua	l Reading:	45
Barcol Read	lings	1	2	3	Average
Sic	de One:	56	60	60	59
Sic	le Two:	60	62	62	61
	•		Overal	Average:	60
Tested By: Jan Woone					
' (signature)					
	. (Gary Nichol	son	Date:	10/11/2021

(print or type name)

BARCOL HARDNESS REPORT

Customer:

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: Side Two:

1	2	3	Average
55	50	58	54
53	56	59	56

Overall Average:

Tested By:

Gary Nicholson (print or type name)

Date: 08/23/2022



UIC Monthly Maintenance Log

Annulal MIT procedures were performed on both wells

8/15-20/21 | Well 1&2 |



A STATE OF THE STA		4.0	
RECEIVING INFO	PRMATION		
Date	8/1	/ 22	
Receiving ID#	I08017201		
Manifést# Line			
Land Ban Cert included	Yes	No	
EGT Approval #			
Generator			
Client			
Transporter			
Time in			
Time out			
Received by			
Sampled by	The		

557-1

LAB INFORM/	ATION .	
Compatible? (RT#)	4	
PCBs (ppm) (Oily Waste		
Only)?		,
TOC ppm (CC Waste Only)?		
Flash Point (F)	7140	
pH (S.U.)	7.09	1
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.01	
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	77	
Conductivity	32	,)
% Solids	,8	1
Turbidity	Yes	No
Color		
TSS (%)	21	
Radiation Screen (as needed)		
Lab Signature/Initials	To	

	and the state of t
RECEIVING INFO	ORMATION
Date	8 / / /22
Receiving ID#	LOGOILLOZ
Manifest # Line	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	The

SST-Z

LAB INFORM	ATION	
Compatible? (RT#)	4	
PCBs (ppm) (Oily Waste		
Only)?		· .
TOC ppm (CC Waste Only)?		·····
Flash Point (F)	7140)
pH (S.U.)	6.6	3
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity		
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	76	
Conductivity	27.4	
% Solids	1 95	
Turbidity	Yes	No
Color		·····
TSS (%)	Z.1	
Radiation Screen (as needed)		
Lab Signature/Initials	TC	Ý

RECEIVING INFO	DRMATION
Date	8-1-22
Receiving ID#	T08012203
Manifest# Line	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	(0.9)
Sampled by	

SST-DL

LAB INFORMA	ATION .	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Wasie Only)?		
Flash Point (F)		
pH (S.U.)	6.6	19
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1-04	
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	78	
Conductivity	39.8	~ Č~
% Solids	3.7	7
Turbidity	Yes	Nò
Color		:
TSS (%)	3.0	,
Radiation Screen (as needed)		»:
Lab Signature/Initials	J 03)

RECEIVING INFO	DRMATION
Date	I08022203
Receiving ID#	8-2-22
Manifest# Line	
Land Ban Cert included	Yes No
EGT Approval #	-
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	のみ
Sampled by	
	0,

65T-1

LAB INFORM	XTION .	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?	-	
TOC ppm (CC Waste Only)?		
Flash Point (F)	> / !	10
pH (S.U.)	7-0	lo .
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.0	2
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	78	
Conductivity	21.3	1~5
% Solids	5.2	
Turbidity	Yes	No
Color		
TSS (%)	4.0	
Radiation Screen (as needed)		
Lab Signature/Initials	[] プカ)

RECEIVINGUNE	RMATION
Date	18-1-22
Receiving ID#	T08017204
Manifest # Line	
Land Ban Cert included	Yes · No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.37
Sampled by	したよ
	()

SST-2

	····	
LAB INFORMA	VTION:	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	3190)
pH (S.U.)	フ.ガ	
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1-02	
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	77	
Conductivity	16.35	m 5
% Solids	1-75	
Turbidity	Yes	Nò
Color		
TSS (%)	300	
Radiation Screen (as needed)		
Lab Signature/Initials	(J.ガ	
7		

RECEIVING INFO	DRMATION
Date	18-1-2022
Receiving ID#	T0801 2205
Manifest# Line	
Land Ban Cert included	Yes No
EGT Approval #	-
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	AW

LAB INFORMA	TION:	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)		
pH (S.U.)	5.84	
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.02	/
Physical Description		
Stream Consistency	Yes	No
Oîl in Sample?	Yes	No
Temperature (F)	80	
Conductivity	30.2	
% Solids	2.44	
Turbidity	Yes	No
Color		
TSS (%)	(01	
Radiation Screen (as needed)		
Lab Signature/Initials	J.H)	

RECEIVING INFORMATION			
Date	8/7/22		
Receiving ID#	IOSOLZZO1		
Manifest# Line			
Land Ban Cert included	Yes No		
EGT Approval #			
Generator			
Client			
Transporter			
Time in			
Time out			
Received by	5.57		
Sampled by	Ta		

LAB INFORMA	TION	
Compatible? (RT#)	4)
PCBs (ppm) (Oily Waste Only)?		-
TOC ppm (CC Waste Only)?		
Flash Point (F)	>/	140 155
pH (S.U.)	5	55
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1-0	00
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	7	16
Conductivity	3,	40
% Solids	i	OZ
Turbidity	Yes	No
Color		
TSS (%)		
Radiation Screen (as needed)		1
Lab Signature/Initials	(J.H)	11.G.

555-1

		1
RECEIVING INFO	RMATION	
Date	J 812	/ / 22
Receiving ID#	IDBOZ	2202
Manifest# Line		
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	0,4	
Sampled by	TG	

LAB INFORMA	ATION:	
Compatible? (RT#)	1 4	
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	>14	0
pH (S.U.)	>14 6.9	9
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.0	(
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	78	
Conductivity	29-8	
% Solids	.80	
Turbidity	Yes	No
Color		
TSS (%)	4.	
Radiation Screen (as needed)		
Lab Signature/Initials	TE	D.W.

RECEIVING INFO	DRMATION
Date	1.8-2-22
Receiving ID#	Posessor Poses
Manifest # Line	
Land Ban Cert included	Yes No
EGT Approval #	•
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	(J.カ)
Sampled by	

LAB INFORMA	ŒΙ	ON-	
Compatible? (RT#)	Τ		
PCBs (ppm) (Oily Waste			***************************************
Only)?			
TOC ppm (CC Waste Only)?			
Flash Point (F)		フリチ	d
pH (S.U.)		7.00	
Cyanides? (mg/L)		Name of the last o	
Sulfides? (ppm)?			
Specific Gravity		1-02	
Physical Description			
Stream Consistency		Yes	No
Oil in Sample?		Yes	No
Temperature (F)		78	
Conductivity		23.11	~5
% Solids		1.38	
Turbidity		Yes	No
Color	T		
TSS (%)		ζ <i>Θ</i> ,	1
Radiation Screen (as needed)	Ι.		
Lab Signature/Initials		J.1	

RECEIVING INFO	
Date	108/01-2022
Receiving ID#	I I OSOITTOG
Manifest# Line	
Land Ban Cert included	Yes No
EGT Approval #	·
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	(FC
Sampled by	LL BB

Compatible? (RT#) PCBs (ppm) (Oily Waste Only)? TOC ppm (CC Waste Only)? Flash Point (F)	LAB INFORM	ATION		
Only)? TOC ppm (CC Waste Only)? Flash Point (F)	Compatible? (RT#)		- - - - -	
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 Turbidity Color TSS (%) Radiation Screen (as needed)	Only)?			
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)		>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.)	フ	02	
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) Yes No Yes No Yes No	Sulfides? (ppm)?			
Stream Consistency Oil in Sample? Yes No Temperature (F) Conductivity % Solids Turbidity Color TSS (%) Radiation Screen (as needed)	Specific Gravity	j	102	
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	Ye	S	No
Conductivity % Solids Turbidity Color TSS (%) Radiation Screen (as needed)	Oil in Sample?	Ye	S	No
% Solids Turbidity Yes No Color TSS (%) Radiation Screen (as needed)	Temperature (F)		78	
Turbidity Yes No Color TSS (%) 400 Radiation Screen (as needed)	Conductivity		28,8	~5
Turbidity Yes No Color TSS (%)	% Solids		1,65	
TSS (%) くのい へのい Radiation Screen (as needed)	Turbidity	Ye		No
Radiation Screen (as needed)	Color			
	TSS (%)	4	(0,)	
Lab Signature/Initials	Radiation Screen (as needed)			
TAIL TAIL	Lab Signature/Initials		0.37	

The state of the state of		
RECEIVING INFO	RMATION	
Date	8/3	/ 22
Receiving ID#	I0803	720/
Manifest # Line		
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by		
Sampled by	TG	

5 ST-1

LAB INFORMA	TION		
Compatible? (RT#)	VEIUN* //		
PCBs (ppm) (Oily Waste	 		
Only)?			
TOC ppm (CC Waste Only)?		······································	
Flash Point (F)	7/4	10	
pH (S.U.)	7/4 le 7	7	
Cyanides? (mg/L)			
Sulfides? (ppm)?		,	
Specific Gravity	1,0	1.01	
Physical Description			
Stream Consistency	Yes	No	
Oil in Sample?	Yes	No	
Temperature (F)	78		
Conductivity	15.5	2	
% Solids	.9	ช	
Turbidity	Yes	No	
Color			
TS\$ (%)	2	1	
Radiation Screen (as needed)			
Lab Signature/Initials	1/	<u>g</u>	

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	a sa figura de la composición de la co	
RECEIVING INFO	RMATION	
Date	8/3	/ 22
Receiving ID#	I0803	2202
Manifést# Line		
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by		
Sampled by	76	

551-2

LAB INFORM	ATION .	
Compatible? (RT#)	Y	
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	214 690	0
pH (S.U.)	6.90	<u> </u>
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.01	
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	76	
Conductivity	23.6	,
% Solids	.39	
Turbidity	Yes	No
Color		
TSS (%)	2.1	
Radiation Screen (as needed)		·
Lab Signature/Initials	16	

MATION
8-3-22
I08032203
Yes No
, , , , , , , , , , , , , , , , , , , ,
S.H).
740

LAB INFORMA	TION	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	>140	<u>د</u>
pH (S.U.)	7-05)
Cyanides? (mg/L)		
Sulfides? (ppm)?	·	
Specific Gravity	1.02	
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	82	
Conductivity	12.26	
% Solids	5.3	9
Turbidity	Yes	No
Color		Walter and the state of the sta
TSS (%)	4.0	
Radiation Screen (as needed)		з.
Lab Signature/Initials	び・ガン	

RECEIVINGUNFO	RMATION **
Date	8-3-2≥
Receiving ID#	T08032204
Manifest # Line	
Land Ban Cert included	Yes · No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	DM

	<u> </u>	
LAB INFORMA	TION	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	>/'	10
pH (S.U.)	(0.9.	5
Cyanides? (mg/L)	1	
Sulfides? (ppm)?		
Specific Gravity	1.02	_
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	83	
Conductivity	23.1	m S
% Solids	1.9	y
Turbidity	Yes	No
Color		Children Congress of the Congr
TSS (%)	40.	.)
Radiation Screen (as needed)		jî.
Lab Signature/Initials	J.,	+)

RECEIVING INFO	DRMATION
Date	8-2-2022
Receiving ID#	108022205
Manifest # Line	
Land Ban Cert included	Yes No
EGT Approval #	·
Generator	
Client	•
Transporter	
Time in	
Time out	
Received by	I JH
Sampled by	(M)

		mage to the state of the state
LAB INFORM	ATION	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	>11	10
pH (S.U.)	6.7	3
Cyanides? (mg/L)		
Sulfides? (ppm)?	*	
Specific Gravity	1.02	
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	78	
Conductivity	17.2	7~5
% Solids	1.55	
Turbidity	Yes	No
Color		
TSS (%)	10.1	
Radiation Screen (as needed)		
Lab Signature/Initials	5,3) ~

RECEIVING INFO	RMATION
Date	18. 2-201L
Receiving ID#	LOGOZZZOG
Manifest # Line	
Land Ban Cert included	Yes No
EGT Approval #	-
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	[1-4]
Sampled by	
	1 '

LAB INFORM	ATIO	Ň.		
Compatible? (RT#)				
PCBs (ppm) (Oily Waste				
Only)?				
TOC ppm (CC Waste Only)?				
Flash Point (F)		>140)	
pH (S.U.)		6.9	7	
Cyanides? (mg/L)				
Sulfides? (ppm)?				
Specific Gravity		1.02		
Physical Description				
Stream Consistency	Y	es	No	
Oil in Sample?	Y	es	No	
Temperature (F)		78		
Conductivity		22.5ms		
% Solids		2-5	-8	
Turbidity	Y	es	No	
Color				
TSS (%)		400		
Radiation Screen (as needed)				
Lab Signature/Initials		J.H		

RECEIVING INFO	-	_
Date	08/0	5 / 22 _
Receiving ID#	70803	206
Manifest # Line		
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		· · · · · · · · · · · ·
Client		
Transporter		
Time in		•
Time out		
Received by		5.77
Sampled by	Bh	

LAB INFORM	ATIONI.	
Compatible? (RT#)	ATION	
PCBs (ppm) (Oily Waste	1 7 -	<u> </u>
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)		
pH (S.U.)	7.00)
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.02	_
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	78	
Conductivity	20-5	m 5
% Solids	1.47	レ
Turbidity	Yes	No
Color		
TSS (%)	く0.)
Radiation Screen (as needed)		
Lab Signature/Initials	J.H)	

	1.048		
RECEIVING INFO	RMATION		
Date	8/4/22		
Receiving ID#	Z0804220Z		
Manifest # Line			
Land Ban Cert included	Yes	No	
EGT Approval #			
Generator			
Client			
Transporter			
Time in			
Time out			
Received by			
Sampled by	76		

557-2

LAB-INFORM	ATION .	
Compatible? (RT#)	4	
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	>140	
pH (S.U.)	7,01	
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity		
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	78	
Conductivity	23.9	
% Solids	155	
Turbidity	Yes	No
Color		
TSS (%)	2.1	
Radiation Screen (as needed)		
Lab Signature/Initials	TU	

RECEIVING INFORMATION		
Date	8/4/22	
Receiving ID#	I08045501	
Manifest# Line		
Land Ban Cert included	Yes	No
EGT Approval #		
Generator	•	'.
Client		
Transporter		
Time in		
Time out		
Received by		
Sampled by	TO	

557-1	
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Compatible? (RT#)	4	
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	146 85	
pH (S.U.)	. 85	
Cyanides? (mg/L)	·	
Sulfides? (ppm)?		
Specific Gravity 1.	01	
Physical Description		
Stream Consistency Yes	No	
Oil in Sample? Yes	No	
Temperature (F)	8	
Conductivity 14	2.3	
% Solids .9	4	
Turbidity Yes	No	
Color		
TSS (%)	۷.۱	
Radiation Screen (as needed)	***	
Lab Signature/Initials	Tb	

Land Jack	
DRMATION	
5/3	/ 22
10805	<u> 2203</u>
Yes	No
5.77-7	2
AL	
	PRMATION FIS Yes SST-1

LAB INFORM	ATION .	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	21	40
pH (S.U.)	6.9	93
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	ر ا	2
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	78	}
Conductivity	21,1	ms_
% Solids	2-3	33
Turbidity	Yes	No
Color		
TSS (%)	₹0.	1
Radiation Screen (as needed)		
Lab Signature/Initials	J.7	<u> </u>

	4 T ()
RECEIVING INFO	RMATION
Date	F15 122
Receiving ID#	F15 122 F08057204
Manifest # Line	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	ST-1
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	DL

		was a second second second
LAB INFORMA	ATION	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)		
pH (S.U.)	4.42	
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.0	2
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	78)
Conductivity	16	7 ms
% Solids	3.04	
Turbidity	Yes	No
Color		
TSS (%)	<0.	}
Radiation Screen (as needed)		
Lab Signature/Initials	<i></i> チ)	

RECEIVING INFORMATION		
Date	815	/ 22
Receiving ID#	B080	52202
Manifest # Line		
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	J.ガ.	
Sampled by	TG	

SST-Z

LAB INFORM	ATION	
Compatible? (RT#)		,
PCBs (ppm) (Oily Waste	7	
Only)?		
TOC ppm (CC Waste Only)?		+ ,
Flash Point (F)	フル	10
pH (S.U.)	7.0	,9
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.0	l
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	7	4
Conductivity	160	31
% Solids	1.6	,7 ·
Turbidity	Yes	No
Color		
TS\$ (%)	4	
Radiation Screen (as needed)		
Lab Signature/Initials		Ġ

RECEIVING INFO	RMATION	
Date	08/03	/ 22
Receiving ID#	208032	205
Manifest# Line		
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	り)
Sampled by	BB	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-	

LAB INFORMA	ATION	
Compatible? (RT#)	T v	
PCBs (ppm) (Oily Waste		
Only)?	1	
TOC ppm (CC Waste Only)?		
Flash Point (F)		
pH (S.U.)	6.9	3
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.07	2
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	78	
Conductivity	17.84	
% Solids	5.6	2
Turbidity	Yes	No
Color		
TSS (%)	4.0	
Radiation Screen (as needed)		
Lab Signature/Initials	(ブ・ガ)	

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RECEIVING INFO	DRMATION
Date	08 164 122
Receiving ID#	208047204
Manifest# Line	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	JH
Sampled by	1 (36)
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LAB INFORMA	ATION	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	7140	
pH (S.U.)	0.94	0
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity (ユナ)	+1.0	- l.10
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	78	
Conductivity	99.1	ms
% Solids	11.7	2
Turbidity	Yes	No
Color		
TSS (%)	1)_	
Radiation Screen (as needed)		
Lab Signature/Initials		

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RECEIVING INFO	DRMATION	
Date	8/8	/ 22
Receiving ID#	I0808	2201
Manifest# Line		
Land Ban Cert included	Yes	No
EGT Approval #	•	
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	び.プ	
Sampled by	DM	

LAB INFORM	ATION .	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?		·
TOC ppm (CC Waste Only)?		
Flash Point (F)		
pH (S.U.)	6.	99
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.0	2-
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	85	2
Conductivity	1 17:	70ms
% Solids	1.9	88
Turbidity	Yes	No
Color		
TSS (%)	0,	
Radiation Screen (as needed)		
Lab Signature/Initials	たし	2

	and setting	
RECEIVING INFO	RMATION	
Date	I & 18	/ 22
Receiving ID#	I0808	2007
Manifest# Line		
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		:
Client		
Transporter		
Time in		
Time out		
Received by	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\)
Sampled by	M	

LAB INFORM	ATION :	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)		
pH (S.U.)	7,29	
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.02	
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	フラ	
Conductivity	17.00)~{
% Solids	1 1 1	5
Turbidity	Yes	No
Color		
TSS (%)	0.7	_
Radiation Screen (as needed)		*
Lab Signature/Initials	J.7	2

RECEIVING INFO	RMATION	
Date	814	/ 22
Receiving ID#	10804	12203
Manifest # Line		
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	J.H.	
Sampled by	16	

557-1

LAB INFORM	ATION	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ 	140
pH (S.U.)	5.8	7
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.0	75
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	79	
Conductivity	32-	8~5
% Solids	6.	14
Turbidity	Yes	No
Color		
TS\$ (%)	100)
Radiation Screen (as needed)		
Lab Signature/Initials	<u>」</u> 5.7	ア

REGEIVING INFO	RMATION
Date	8/5/22
Receiving ID#	B0805 ZZ01
Manifest # Line	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.4).
Sampled by	TG

555-1

LAB INFORMA	TION	
Compatible? (RT#)	1 4	
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	7140)
pH (S.U.)	6.1	4
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.0	}
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	72	,
Conductivity	4.9	ζ
% Solids	ا ا و	1
Turbidity	Yes	No
Color	•	
TSS (%)	L	
Radiation Screen (as needed)		
Lab Signature/Initials	To	1

	12-11
RECEIVING INFO	DRMATION
Date	8 / 5 / 22
Receiving ID#	108052205
Manifest# Line	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	5.19
Sampled by	MW

LAB: INFORM	ATION .	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)		,
pH (S.U.)	5.23	7
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.0	<u></u>
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	75	
Conductivity	19.2	5 25
% Solids	1. 6	37
Turbidity	Yes	No
Color		
TSS (%)	1 30	· A
Radiation Screen (as needed)		,
Lab Signature/Initials	J.H.	-

" "		
REGEIVING INFO	RMATION	
Date	<u> </u>	/ 22
Receiving ID#	70808	2206
Manifest# Line		
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	C1)
Sampled by	1 Ah	/

LAB INFORMA	AHON'	31.1
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)		
pH (S.U.)	5.1.	5
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)	75	
Conductivity	18.3	<i>3 3 3</i>
% Solids	1.9	D
Turbidity	Yes	No
Color		······································
TSS (%)	20	<u> </u>
Radiation Screen (as needed)		
Lab Signature/Initials	۲۰٫۲	1

RECEIVING INFO	RMATION	
Date	108 108	/ 22
Receiving ID#	X080X	2203
Manifest # Line		ر۔
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		in the second second
Time out		
Received by		
Sampled by	BB	

LAB INFORMA	TION	
Compatible? (RT#)	Ψ	
PCBs (ppm) (Oily Waste		The state of the s
Only)?	,	
TOC ppm (CC Waste Only)?		Carried Charles
Flash Point (F)	>140 5.6	
pH (S.U.)	5.6	<u>20</u>
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.02	-
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	フタ	
Conductivity	283	mS
% Solids	1.05	
Turbidity	Yes	No
Color		
TSS (%)	20.)
Radiation Screen (as needed)		\$*
Lab Signature/Initials	コ.ガ)、	

	1.00	
RECEIVING INFO	ORMATION	
Date	8/9	/ 22
Receiving ID#	IOSO	12201
Manifest# Line		
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		in in the second second
Transporter		
Time in		
Time out		
Received by	J・カ	•
Sampled by	170	\

LABINFORMA	TION	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	3.90	
pH (S.U.)	3.90)
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.01	
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	73	
Conductivity	156.4	~5
% Solids	036	
Turbidity	Yes	No
Color		
TSS (%)	10.1	
Radiation Screen (as needed)		45.
Lab Signature/Initials	J-17	

Manifest# Line	ATION	
Receiving ID# Manifest # Line Land Ban Cert included EGT Approval #	C , a	
Manifest # Line Land Ban Cert included EGT Approval #	0 17	/ 22
Manifest # Line Land Ban Cert included EGT Approval #	08092	202
EGT Approval #		
	Yes	No
Generator		
- Outorator		
Client		
Transporter		
Time in		
Time out	***************************************	
Received by	J. 77	1
Sampled by	Ø1A	/

LAB INFORMA	TION	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	711	10
pH (S.U.)	1,98	
Cyanides? (mg/L)		·
Sulfides? (ppm)?		
Specific Gravity	1,03	
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	74	
Conductivity	30	6 ms
% Solids	1.83	}
Turbidity	Yes	No
Color		
TS\$ (%)	60	ν)
Radiation Screen (as needed)		
Lab Signature/Initials	J.	P)

DESCRIPTION OF THE	ARTINIAN STATE OF THE STATE OF
RECEIVING INF	\(\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Receiving ID#	I08102201
Manifest# Line	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J. J. T.).
Sampled by	Told I

LAB INFORMA	HION:	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	<u> >1</u>	40
pH (S.U.)	1,3	2
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.0	2
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	74	
Conductivity	63.	125
% Solids	2.9	5
Turbidity	Yes	No
Color		
TSS (%)	< O,	.)
Radiation Screen (as needed)		*
Lab Signature/Initials	3 ,	<i>(</i> †)

RECEIVING INF	ORMATION	
Date	8/11	/ 22
Receiving ID#	Log.112	
Manifest# Line		
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	J.7).
Sampled by	DM	

LAB INFORM	ATION:	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)		
pH (S.U.)	5.2	2
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.07	<u>'</u>
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	73	
Conductivity	38,4	
% Solids	2.03	
Turbidity	(Yes)	No
Color	Brace),
TSS (%)	別、 一くの ハ	- O,
Radiation Screen (as needed)		
Lab Signature/Initials	5.72	

	i de la companya de	2.1	
RECEIVING INF	ORMATION Report 11	/ 22	
Receiving ID#	10811	I08112202	
Manifest # Line			
Land Ban Cert included	Yes	No	
EGT Approval #			
Generator			
Client			
Transporter			
Time in			
Time out			
Received by	J.	r).	
Sampled by	10M	<u> </u>	

LAB INFORMA	ATION	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)		
pH (S.U.)	5.0	00
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.0	7
Physical Description	•	
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	76	,
Conductivity	68,6	0 n 5
% Solids	7.90	2
Turbidity	Yes	No
Color		
TSS (%)	1"-40,	+ 7,1
Radiation Screen (as needed)		
Lab Signature/Initials	f. U	

eners (i)		
RECEIVING INFO	RMATION	
Date	8/11	/ 22
Receiving ID#	IO8117	2203
Manifest# Line		
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	1 9	.17).
Sampled by	DW.	

LABINEORMA	TION:	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		<u></u>
Flash Point (F)	<u> </u>	10
pH (S.U.)	2.2	2
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.01	
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	70	
Conductivity	14.	78m5
% Solids	115	? /
Turbidity	Yes	No
Color		
TS\$ (%)	40	-1
Radiation Screen (as needed)		
Lab Signature/Initials	し び	K)

RECEIVING INF	ORMATION .
Date	2.16-27
Receiving ID#	K68162201
Manifest# Line	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	3,4
Sampled by	

LAB INFORMA	TION	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	>1	40
pH (S.U.)	>1 6.5	\mathcal{D}
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.01	
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	72	
Conductivity	0.65	3 ~3
% Solids	46	5.]
Turbidity	Yes	No
Color		
TSS (%)	(0	` \
Radiation Screen (as needed)		
Lab Signature/Initials	3	シス

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
8-17-22	
I08172201	
Yes	No
	T0817

LAB INFORMA	TION	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	1 21	40
pH (S.U.)	6.	7)
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.01	
Physical Description		2597
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	72_	-
Conductivity	0.94	03
% Solids	7	(برخ
Turbidity	Yes	No
Color		
TSS (%)	くの	1
Radiation Screen (as needed)		2.
Lab Signature/Initials	م کل)

17 (17 (17 (17 (17 (17 (17 (17 (17 (17 (18.5	
RECEIVING INF		
Date	8-17-	22
Receiving ID#	IO\$ 1722 02	
Manifest# Line		
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	5.7	7
Sampled by	Chr	

LAB INFORMA	TION:	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)		
pH (S.U.)	7.07	
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.00	
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	ור	
Conductivity	0.71	620
% Solids	40-)
Turbidity	Yes	No
Color		
TSS (%)	⟨ 0,-	
Radiation Screen (as needed)		
Lab Signature/Initials		

Date	8.19-22 20819220	
Receiving ID#		
Manifest# Line		
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	7.	ነ)
Sampled by	173	

LAB INFORMA	TION	v
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
TOC ppm (CC Waste Only)?		
Flash Point (F)	>14	<u> </u>
pH (S,U.)	63	2
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.0)
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	73	
Conductivity	0.65	51 ms
% Solids	6)
Turbidity	Yes	No
Color		
TSS (%)	<0.	1
Radiation Screen (as needed)		9
Lab Signature/Initials	J.H.	•

RECEIVING INFO	RMATION	
Date	8.19	. 55
Receiving ID#	IO819	2207
Manifest# Line		
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	J.H.	
Sampled by	AW	4

LAB INFORMA	TION	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	>142)
pH (S.U.)	698	
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.00	
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	フロ	
Conductivity	0.58	2~5
% Solids	40.)
Turbidity	Yes	No
Color		
TSS (%)	401	
Radiation Screen (as needed)		8.
Lab Signature/Initials	供证	

RECEIVING INF			
Date		8-22-22 T0822220)	
Receiving ID#	I0822		
Manifest# Line			
Land Ban Cert included	Yes	No	
EGT Approval #			
Generator			
Client			
Transporter			
Time in			
Time out			
Received by			
Sampled by	TG		

S5T-1

LAB INFORMA	TION:	t i
Compatible? (RT#)	Wes	
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	7140	
pH (S.U.)	1.65	· · · · · · · · · · · · · · · · · · ·
Cyanides? (mg/L)		· · · · · · · · · · · · · · · · · · ·
Sulfides? (ppm)?		
Specific Gravity	1.02	
Physical Description		
Stream Consistency	Yes	Nö
Oil in Sample?	Yes	No
Temperature (F)	74.0	
Conductivity	34.4	
% Solids	(.4	4
Turbidity	Yes	No
Color		
TSS (%)	۷.	L
Radiation Screen (as needed)		
Lab Signature/Initials	76	

RECEIVING INF	ORMATION
Date	8-22-22
Receiving ID#	I0822770
Manifest # Line	
Land Ban Cert included	Yes No
EGT Approval#	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	(J.D.)
Sampled by	

LAB INFORMA	TION:	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?		- majorasi - majorasi
TOC ppm (CC Waste Only)?		
Flash Point (F)	>148)
pH (S.U.)	8,1	5
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1-01	
Physical Description		
Stream Consistency	Yes	Nö
Oil in Sample?	Yes	No
Temperature (F)	73	
Conductivity	16.4	5,5
% Solids	3.3	
Turbidity	Yes	No
Color		
TSS (%)	3,0	7
Radiation Screen (as needed)	ty the same of	£1.
Lab Signature/Initials	J.77	

(BDBA):	VING INFO	RMATION	
Date		is /7	3/22
Receiving ID#			37202
Manifest #	Line		
Land Ban Cert inclu	uded	Yes	No
EGT Approval#			· · · · · · · · · · · · · · · · · · ·
Generator			
Client			
Transporter			The state of the s
Time in		£	
Time out			***************************************
Received by		O.	7
Sampled by		BB	

LAB INFORMA	TION .	
Compatible? (RT#)	V	200000000000000000000000000000000000000
PCBs (ppm) (Oily Waste		
Only)?	,	
TOC ppm (CC Waste Only)?		
Flash Point (F)	> 14	Λ
pH (S.U.)	1,43	
Cyanides? (mg/L)		
Sulfides? (ppm)?	-	
Specific Gravity	1.0	3
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	73	
Conductivity	804	1,5
% Solids	4. 2	₽
Turbidity	Yes	o No
Color	-	
TSS (%)	1.0	
Radiation Screen (as needed)		
Lab Signature/Initials	J-3)	

RECEIVING INFOR	RMATION
Date	8/22/22
Receiving ID#	IB222203
Manifest # Line	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	57)
Sampled by	BB

LAB INFORMA	TION	
Compatible? (RT#)		V
PCBs (ppm) (Oily Waste		· · · · · · · · · · · · · · · · · · ·
Only)?		
TOC ppm (CC Waste Only)?	THE PERSON NAMED IN COLUMN NAM	
Flash Point (F)	2140	
pH (S.U.)	12.48	3
Cyanides? (mg/L)		
Sulfides? (ppm)?	-	
Specific Gravity	1.07	
Physical Description .		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	73	
Conductivity	92.	DwS
% Solids	10.04	9
Turbidity	Yes	No
Color		
TSS (%)	100	
Radiation Screen (as needed)		
Lab Signature/Initials	5.1	

RECEIVINGINFOR	RMATION
Date	8/23/27
Receiving ID#	10823220
Manifest # Line	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	ठ. हो
Sampled by	(C)S

	Nacional de la company	o time security and
LAB INFORMA	TION	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste	Lite	
Only)?		
TOC ppm (CC Waste Only)?	**************************************	
Flash Point (F)	714)
pH (S.U.)	12.	25
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.07	
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	73	
Conductivity	85.3	,r.S
% Solids	9.4	· .
Turbidity	Yes	No
Color		
TSS (%)	1.0	
Radiation Screen (as needed)		
Lab Signature/Initials	۵۰4	

RECEIVING INFO	ORMATION	
Date	08 124	/ 22
Receiving ID#	208242	203
Manifest # Line		
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out	1	
Received by	৫. মূ	
Sampled by	<u> </u>	

LAB INFORMA	TION	
Compatible? (RT#)	l V	
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	>1	40
pH (S.U.)	<u>5.</u> 0	3
Cyanides? (mg/L)		·
Sulfides? (ppm)?		
Specific Gravity	1.02)
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	75	:
Conductivity	97.4	m5
% Solids	2.2	ว์
Turbidity	Yes	No
Color		
TS\$ (%)	30.	1
Radiation Screen (as needed)		· · · · · · · · · · · · · · · · · · ·
Lab Signature/Initials	J. H	

The state of the s	4	
RECEIVING INF	ORMATION	
Date	8124	/ 22
Receiving ID#	I08242	267
Manifest# Line		
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	\ J77	
Sampled by	2 mg	

LAB INFORMA	TION	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	>/1	
pH (S.U.)	1.55	
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.02	
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	75	
Conductivity	0.30	4 5
% Solids	1.98	?
Turbidity	Yes	No
Color		
TSS (%)	<i>ل ک ک</i>)
Radiation Screen (as needed)		
Lab Signature/Initials	J.14	

RECEIVING INF		
Date	08/24	
Receiving ID#	20824	2005
Manifest # Line		
Land Ban Cert included	Yes	No
EGT Approval #		·····
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	5.72	
Sampled by	Be	>

LAB INFORMA	TIAN	
Compatible? (RT#)	 	
PCBs (ppm) (Oily Waste		
Only)?		·
TOC ppm (CC Waste Only)?	~ 990	
Flash Point (F)	7190	
pH (S.U.)	2-13	, , , , , , , , , , , , , , , , , , , ,
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity ゴオ) wy	1.01
Physical Description		·
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	75	
Conductivity	0.27	O ms
% Solids	2.38	
Turbidity	Yes	No
Color		
TSS (%)	(0,1	
Radiation Screen (as needed)		4:
Lab Signature/Initials	J.H.	

RECEIVING INF	ORMATION
Date	08/25/22
Receiving ID#	208252203
Manifest# Line	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	び.み
Sampled by	BB

LAD INCORMA	TION	
LAB INFORMA	HION	
Compatible? (RT#)	<u> </u>	
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		<u></u>
Flash Point (F)	>140	
pH (S.U.)	5.2	D
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.0	
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	75	
Conductivity	18.16	9 ms
% Solids	1.94	
Turbidity	Yes	No
Color		
TSS (%)	1.0	
Radiation Screen (as needed)	-	
Lab Signature/Initials	J.7)	

RECEIVING INFORMATION			
Date	8/26	/ 22	
Receiving ID#	I08262	2201	
Manifest # Line			
Land Ban Cert included	Yes	No	
EGT Approval #			
Generator			
Client			
Transporter	***		
Time in			
Time out			
Received by	J.H		
Sampled by	DM		

LAB INFORMA	TION :	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	>1	48
pH (S.U.)	≥1 4.25	
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.0	3
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	75	
Conductivity	144.1	m 5
% Solids	2.4	19
Turbidity	Yes	No
Color		
TSS (%)	0.75	•
Radiation Screen (as needed)		2
Lab Signature/Initials	J.17)	

	149	
REGEIVING INFO	RMATION	
Date	8/25	/ 22
Receiving ID#	I0825	2202
Manifest # Line		
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		· · · · · · · · · · · · · · · · · · ·
Transporter		
Time in		
Time out		
Received by	5. か	
Sampled by	DM	

LAB INFORMA	TION	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	٧ / ١	10
pH (S.U.)	4.5	8
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.00	
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	75	
Conductivity	125.4	ms
% Solids	8-2	4
Turbidity	Yes	No
Color		ì
TS\$ (%)	40.	.)
Radiation Screen (as needed)		
Lab Signature/Initials	ઇ.મ	

	The Control	47
RECEIVING INFO		- E-1/2
Date	8/25	/ 22
Receiving ID#	10825	220
Manifest# Line		
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		······································
Transporter		
Time in		
Time out		
Received by	びむ	
Sampled by		

LAB INFORMATION		
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	>140	
pH (S.U.)	7.00	
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.02	
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	75	
Conductivity	43-4m5	
% Solids	2,46	
Turbidity	Yes	No
Color		
TSS (%)	10.1	
Radiation Screen (as needed)	<i></i>	¢1.
Lab Signature/Initials	びが)

RECEIVING INFOR	RMATION
Date	08-/23/22
Receiving ID#	208237203
Manifest # Line	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.71
Sampled by	05

LAB INFORMA	TION	
Compatible? (RT#)	(V)	
PCBs (ppm) (Oily Waste	T .	
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	2140	
pH (S.U.)	1,53	
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.02	
Physical Description	į	
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	73	
Conductivity	55,3	l'm
% Solids	2.28	, , , , , , , , , , , , , , , , , , , ,
Turbidity	Yes	No
Color		
TSS (%)	161	
Radiation Screen (as needed)		
Lab Signature/Initials	5.7)	

And the second s	Sugar De Salitania
RECEIVING INFO	
Date	T 8 / 27/22 _
Receiving ID#	108272202
Manifést# Line	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	」 . カ
Sampled by	OS

LAB INFORMA	TION	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	1 >140)
pH (S.U.)	25	7
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	101	
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	75	
Conductivity	30.5	~S
% Solids	1.95	
Turbidity	Yes	No
Color		
TS\$ (%)	Lan	
Radiation Screen (as needed)		1
Lab Signature/Initials	J.7)	

	August 1	
RECEIVING INFO		
Date		(/ 22
Receiving ID#	IO826	2204
Manifest# Line		
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	J.,) ⁷
Sampled by	Bu	

LAB INFORMA	JION .	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F))/	40
pH (S.U.)	5,0	1.)
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.0)2_
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	7-	5
Conductivity	44.	1~5
% Solids	3.7	8
Turbidity	Yes	No
Color		
TS\$ (%)	50)_\
Radiation Screen (as needed)		
Lab Signature/Initials	み ,))_

RECEIVING INF		
Date	08/26	722
Receiving ID#	208262	203
Manifest# Line		
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		منابع ناسستوسستان
Time out		
Received by	J,H	
Sampled by	BB	

LAB INFORMA	TION	
Compatible? (RT#)	Y	
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	>14	
pH (S.U.)	6.0	5
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.02	2-
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	75	
Conductivity	43,9	5~5_
% Solids	2.40)
Turbidity	Yes	No
Color		·
TS\$ (%)	く0/	1
Radiation Screen (as needed)		
Lab Signature/Initials	(7	(H.)

RECEIVING INF	ORMATION	
Date	812	9/22
Receiving ID#	±0829	2201
Manifest# Line		
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	J.#)
Sampled by	TIG	>

ST-1

		z e eroa -uananminimini
LAB INFORMA	/TION	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	> 14	<u>5</u>
pH (S.U.)	4.46	
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1-02_	
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	75	
Conductivity	20.9	~5
% Solids	1293	
Turbidity	Yes	No
Color		
TSS (%)	10.0	****
Radiation Screen (as needed)		2
Lab Signature/Initials	J.7	~)

and the second s		
RECEIVING INFO	DRMATION	
Date	08/29	(/ 22
Receiving ID#	10829	2202
Manifest# Line		
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		a a a a a a a a a a a a a a a a a a a
Transporter		
Time in		
Time out		
Received by	ログ	
Sampled by	EAL	•
		and the parties of th

LAB INFORMA	TION:	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	>140	
pH (S.U.)	4,4)	
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.03	
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	78	
Conductivity	39.7 m	5
% Solids	9.64	
Turbidity	Yes	No
Color		
TS\$ (%)	7,0	
Radiation Screen (as needed)		61
Lab Signature/Initials	ひ, プ)	

RECEIVING INFO	RMATION	
Date	108 125	/ 22
Receiving ID#	20829	2203
Manifest # Line		
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by		
Sampled by	Br	,)

LAB INFORMA	ATION	
Compatible? (RT#)	1 0	
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		5/94/24
Flash Point (F)	2140	
pH (S.U.)	4,17	
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.02	
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	フラ	
Conductivity	13916	~\
% Solids	11.7	オノ
Turbidity	Yes	No _
Color		
TS\$ (%)	8.0	
Radiation Screen (as needed)	,	61
Lab Signature/Initials	ゴ 計	•

30 11 12 12 13	
RECEIVING INFO	
Date	* · · · · · · · · / 22
Receiving ID#	108302201
Manifest# Line	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	5.11
Sampled by	

SEAB INFORMA	TIÓN COLONA
Compatible? (RT#)	
PCBs (ppm) (Oily Waste	
Only)?	
TOC ppm (CC Waste Only)?	* ,
Flash Point (F)	2140
pH (S.U.)	5.53
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample *	Yes No
Temperature (F)	73
Conductivity	38.9
% Solids	7.20
Turbidity	Yes No
Color	
TSS (%)	5.0
Radiation Screen (as needed)	
Lab Signature/Initials	ON)

RÉCEIVING INF		
Date	T 8130	
Receiving ID#	T0830	2202
Manifest # Line		
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	5.	r).
Sampled by	Du	

LAB INFORMA	TION	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	1	10
pH (S.U.)	2.1)
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.0	3
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	72	_
Conductivity	38.8	m5
% Solids	2,37	}
Turbidity	Yes	No
Color		
TSS (%)	1 (6	_1
Radiation Screen (as needed)		
Lab Signature/Initials	J.	n

	the state of the state of	
RECEIVING INFO	ORMATION -	
Date		/ 22
Receiving ID#	Z0830	2203
Manifest# Line		
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	3,7) .
Sampled by	AW	

LAD INFORMA	T1631	
LAB INFORMA	VIION:	
Compatible? (RT#)		- 4 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	<u> </u>	10
pH (S.U.)	38	
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.0	72/
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	72	
Conductivity	16.9	14
% Solids	0.8	30
Turbidity	Yes	No
Color		
TSS (%)	<u> </u>	. 1
Radiation Screen (as needed)		· ·
Lab Signature/Initials	J.	な

49.50		
RECEIVING INFO	DRMATION	
Date	8/31	/ 22
Receiving ID#	IO8 31	2203
Manifest# Line		
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		·
Time in		
Time out		
Received by	5.7	1
Sampled by	An	7

LAB INFORMA	ATION	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		***************************************
Only)?		
TOC ppm (CC Waste Only)?	1	
Flash Point (F)	1 7/1	20
pH (S.U.)	2.	50
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.0	2—
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	71	
Conductivity	100	0-5-
% Solids	2.1	7
Turbidity	Yes	No
Color		
TS\$ (%)	<	(0)
Radiation Screen (as needed)		h.
Lab Signature/Initials	し、	<u> </u>

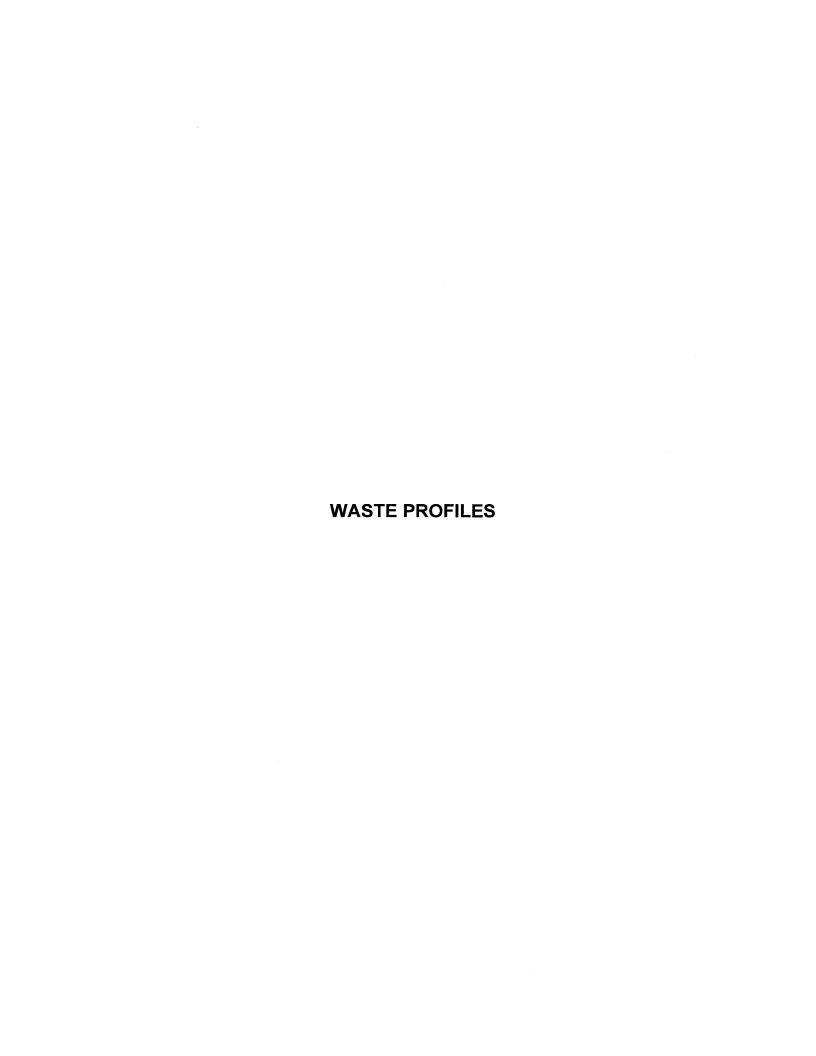
10 mm		
RECEIVING INFO	DRMATION	
Date	8/31	/ 22
Receiving ID#	I083122	loz
Manifest # Line		
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		-
Time in		
Time out		
Received by	J.+)	
Sampled by	DM	

LAB INFORMA	ATION:	
Compatible? (RT#)	No	
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	>1	40
pH (S.U.)	4.5	2
Cyanides? (mg/L)	(J) -	(30
Sulfides? (ppm)?	(S) =	4-200
Specific Gravity	1:0)	
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	77	
Conductivity	18,0	6,5
% Solids	0.6	2 ³ ,
Turbidity	Yes	No
Color		
TSS (%)	(0.	
Radiation Screen (as needed)		
Lab Signature/Initials	(1,7)	

(See Altached labrieles Sti

The state of the s		
RECEIVING INF	ORMATION	
Date	- 8 131	/ 22
Receiving ID#	I083)	2201
Manifest# Line		
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		·
Time in		
Time out		
Received by	丁 び 切	
Sampled by		

LAB-INFORMA	TION:	
Compatible? (RT#)		
PCBs (ppm) (Oily Waste		
Only)?		
TOC ppm (CC Waste Only)?		
Flash Point (F)	>11	10
pH (S.U.)	4.5	4
Cyanides? (mg/L)		
Sulfides? (ppm)?		
Specific Gravity	1.0)
Physical Description		
Stream Consistency	Yes	No
Oil in Sample?	Yes	No
Temperature (F)	72	-
Conductivity	181	11 65
% Solids	0.8	35
Turbidity	Yes	No
Color		
TS\$ (%)	100	5 \
Radiation Screen (as needed)		
Lab Signature/Initials	J. T.	•)



REPUBLIC"		Public S			
S		STE DEPARTM		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
	Waste Profile # 64402210340		Expiration Dat 7/28/2023		
I. Decision Request:	✓ Initial	Recertification	Ch:	ange	
Disposal Facility: 6440 - Detroit Ind Well					
Generator Name: GARY SAYERS ET AL, C/0	***************************************	N, ESP.			
Generator Site Address: 945/949 E. 10 MIE			****		
City: MADISON HEIGHTS	County:		State: MI		Zip:
Name of Waste: WASTE WATER					
Estimated Annual Volume: 6000 Gallons					
Problematic Special Waste according to Reflexes, which one? Approved by Special Waste Review Commit P The site must ensure that all pre-accepta prior to acceptance and disposal of the p	ttee? O	Yes No Not A	tions on Ap	-	site's permit requirements
Special Waste Analyst Signature:				Name (Printed):	KEITH DIAMANTI

By signing below, the General Manager or Designee agrees that a fully executed Special Waste Service Agreement is on file for this profile and that the special waste file is complete.

Name (Printed): _____ Rodriquez

Rodriquez, Tom Digitally eigned by: Rodriquez, Tom DN: CN = Rodriquez, Tom OU = /*Regions, East, User.

Gate: 2022.08.02.10:43:24-05'00'

General Manager or Designee: _

Date: 8/1/2022

<u>Republic Industrial and Energy Solutions, LLC</u> 28470 Citrin Dr, Romulus, MI 48174. Telephone 734 946 1000. Fax 734 946 1002

GENERATOR WASTE PROFILE

28470 Citrin Dr, Ro	omulus, MI 48174. Telephone 7	734 946 1000. Fax 734 946 1	Profile #	6440221034	40
GENERATOR INFOR	RMATION ers et al, c/o James Sulliva	n, Esq. USEPA	_{ID#} LQG		
Facility Address: 945	i/949 E. 10 Mie Rd.	SIC/NA	ICS Code: State Cod	le: 332813	
City: Madison Hei		State: M			
Contact: Meliss		Manager _{Phone:} (248)583			
BILLING INFORMAT Company Name: ER Address: 13040 M	G Environmental Services	SAME AS ABOVE			
	nermian Ru.				
_{City:} <u>Livonia</u>		State: M	I Zîp (_{Code:} 48150	
Attention: Ashley F	Rader Title: Accor	untant_	1090 Fa:	x: ()	····
Rainwater accumu USEPA / STATE WAS 1. This waste is considered	dered to be: ☐ Non Haza .? ☐Yes ☑No (PCBs, etc.)				
-					
Color:	TERISTICS OF WASTE Suspended Solids	Lavores	Specific Co		
□ White/Clear	■ 0-1 % □ 3-5 %	Layers:	Specific Gr □ <0.8 ☑ 1	.0 — 1.2	
☐ Black/Brown	□ 1-3 % □ > 5%	☐ Bi-Layered	□ 0.8 —1.0 □1	I	
☑ Other		☑ Single Phase	Exact / Other		
pH: □NA □ < 2	□ 2 — 4 □ 4 — 6	2 6 — 8 □ 8-10 □	10 — 12.5 🗆 >1	2.5	
Liquid Flash Poi	nt: 🛭 <73°F 🗆 73—100°F 🗆	I 101—140°F □ 141—200	°F 🗹 >200°F 🗅 1	√one □ Close	ed Cup 🗆 Open Cu
VOC CONCENTRATION	ı- <u><50</u>	PPM (MUST BE COMPLETE	D)		
TOTAL COMPOSITIO	N OF WASTE - MUST BE EQUAL TO	OR GREATER THAN 100% (L1ST E.	ACH CONSTITUENT	<>1= 0.1%)	
CONSTITUENT		MAX MIN CONST	TITUENT		MAX MIN
Water		100 - 95 %			
Sediment					

•	٠,											,
Metals: Indicate if the If Generator knowledge	is waste dge-prov	contains ride backı	any of the follo ıp ☑ Lab Analy	wing ysis &	metals ² Generator Kno	wledge 🗷	TCLP ØTOT	AL				
	Not C	oncentrat	tion	Not	Concentration	n A	Arsenic (As)	D004	2 0 <5	ppm		ppm
I	Present		F	orese:	nt	E	Barium (Ba)	D005	☑ <100	ppm		ppm
PCB		ppm	Aromatic Amir	ne 🗹	ppm	(Cadmium (Cd)	D006	☑ <1	ppm	0.35	ppm
Dioxins		ppm	Pesticides		ppm	(Chromium (Cr)	D007	□ <5	ppm	29.6	ppm
Cyanides Reactive		ppm	Rodenticides		ppm	I	.ead (Pb)	D008	☑ <5	ppm		ppm
Cyanides Total	□ 8.	.9 ppm	Fungicides	Ø	ppm	ı	Mercury (Hg)	D009	☑ <0.2	ppm		ppm
Sulfides Reactive	Ø	ppm					Selenium (Se)	D010	☑ <1	ppm		ppm
Sulfides Total	Ø	ppm				\$	Silver (Ag)	D011	☑ <5	ppm		ppm
TCLP Organics Do)12 — D	0043 abo	ve regulatory	limits	s: Present 🗆 No	ot Present ☑						
IS WASTE ANY O	OF THE I	FOLLOW	ING?	Ai	t Least One Box	Must Be Che	cked.					
☐ Radioactive	☐ Wate	r Reactiv	/e □ Oxidi:	zer	☐ Shock Sens	sitive 🗆 R	eactive (other) 🗆 🗅	OT Explosiv	/es		
□ NIOSH Human-P	ositive C	arcinoge	ns 🗆 NESH/	AP W	astes (Benzene,	etc.) 🗆 B	iological ☑ N	one Appl	у			
											•	
SHIPPING IN			-									
 Is this a DOT Reportable Quar 				172	.101 & 173 Su	bpart D)?	☑ Yes 〔	□No				
				. .	. (0)				_			
3. DOT Shipping N								_Hazard	Class 9	Uì	N/NA	NA3082
PG III ERG	·	_ Hazar	dous Constitu	ents 1	for "n.o.s." Chr	omium						
4. Method of Shipn	nent:	⊠ Bulk	Tanker	☑ Vad	c truck [Rail Car	□ Drum	s	□Totes			
5. Number of Units	to Ship	Now ~60	000 gallons		6. Anticipate	ed Volume / L	nits per Year:	NA/On	e Time	o	r 🗷 O	ne Time
6. Special Handlin	ıg Requi	rements	including PPE	:								
CERTIFICATIO)N STA	TEME	NT									
I hereby represent	and war	rrant that	l have perso	nally	examined and a	am familiar w	ith the informa	ition con	tained and	submitte	ed in t	his and all
attached document	ts. Base	d on my	inquiry and pe	erson	al knowledge of	f those indivi	duals responsi	ble for s	upplying or	obtaini	na the	
material fact has b	een omi	tted as to	o make this in	forma	ation misleading	ı. I understar	e best of my k id that others i	nowleag nay rely	e and bellet on this repl	resenta	ermore tion ar	e, no nd warranty
in the handling and	l proces	sing of th	ne waste mate	erial c	lescribed hereir	١.						•
If this box is checked	d 🗆 I req	uest Rep	ublic Industrial	& Ene	ergy Solutions no	ot to correct a	ny inconsistenci	es. Any c	orrections R	epublic	Indust	rial & Energ
Solutions makes will Printed Name: Me			h the results of	the s	ample characteri	zation and/or	regulatory requ					
Printed Name:					Online stored by Marine Marin				City Mar			
Generator's Signatur	e: Meii:	ssa Marsh			Claims support by Marina March On crowledges March, arChy of Ma One: 2022/24 130724 4 430*	Saam in hij Na., ees-(Dey Menager, eneed-angl eezan	raldymad acm helphology, c+US	Date:	July 28, 2	2022		
GENERATOR'S waste described in	S CHA	AIN OF	CUSTODY	Y RE	CORD INS	TRUCTIO	NS: PLEASE O	ollect a	representati	ve 1-qu	artsar	nple of the
obtained using any o	of the app	olicable sa	ampling method	ds cite	ed in 40 CFR 261	-Appendix 1.	Fill in the samp	lina inforr	nation in the	spaces	provid	led below. If
you have problems or representative.	btaining	a represe	entative sample	e of yo	our waste, please	contact your	Republic Indus	trial & En	ergy Solution	ns		
1. Grab		2	Eroo Tonk									
SAMPLING MET	HOD		Frac Tank COLLECT		POINT		 (Sample	Date 7/6/2	2		
					Olivi]]	₋ab İD #	£ 37817.01	throug	9h .03	
3 Mark C Devine							_					
SAMPLE COLL	.ECTOR	R'S NAM	E, TITLE, EM	PLO	YER							
4. Sample No. 001				vation	: Yes 🗆	No ☑						
5. CHAIN OF CUS	STODY I	Each pei	rson who han	dles	the sample mus	st sign below	when the san	nple pas	ses from or	ne to ar	other	
1	uished b	y:				F	Received by:		Date	•		Time
	gnature)		Date		Time		(Signature)					
Mark C. Davine			7/10/22		1515	1			I			

to the same of	
RECEIVING INF	ORMATION
Date	7 /28/22
Receiving ID#	1 /28/22 Waste Wate
Manifest # Line	
Land Ban Cert included	Yes - No
EGT Approval #	
Generator	Gary Sayers
Client	//
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	C) (xx)

LAB INFORMA	ATION
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste	NIA
Only)?	10///
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	7.36
Cyanides? (mg/L)	430
Sulfides? (ppm)?	1200
Specific Gravity	1.00,
Physical Description	159050
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	3.55ms
% Solids	46.1
Turbidity	Yes (No)
Color	Yellow
TSS (%)	40.1
Radiation Screen (as needed)	Neg
Lab Signature/Initials	054)

(See Attached lob Notes)

REPUBLIC' SERVICES	18	3500 N. Allied Way, Ph				
	SPECIAL WAS	ΓE DEPARTME	NT DECISIO	N	· · · · · · · · · · · · · · · · · · ·	
,	Waste Profile # 64402210469		piration Date 2/2023			
I. Decision Request:	✓ Initial	Recertification	☐ Change			
Disposal Facility: 6440 - Detroit Ind We	I			L		
Generator Name: TRIBAR MANUFACTU						
Generator Site Address: 48668 ALPHA						
City: WIXOM	County:	St	ate: MI	Z	ip:]
Name of Waste: CHROMIC ACID WATE						
Estimated Annual Volume: 30000 Gallo	ins				······	
II. Special Waste Department De	ecision:	Approved ORejecte	d ·			
Management Method(s):	ndfill Solidification	Bioremediation	Deep Well	Transf	er Facility	
Problematic Special Waste according	to Republic?	/es No				
If yes, which one?	· · · · · · · · · · · · · · · · · · ·					
- · · · · · · · · · · · · · · · · · · ·						
Approved by Special Waste Review Co The site must ensure that all pre-acc prior to acceptance and disposal of	Precautions, Cond		ons on Approval		e's permit requ	irem
	Precautions, Cond	litions or Limitati	ons on Approval		e's permit requ	irem
The site must ensure that all pre-acc	Precautions, Cond	litions or Limitati	ons on Approval		e's permit requ	irem
The site must ensure that all pre-acc	Precautions, Cond	litions or Limitati	ons on Approval		e's permit requ	irem
The site must ensure that all pre-acc	Precautions, Cond	litions or Limitati	ons on Approval		e's permit requ	irem
The site must ensure that all pre-acception to acceptance and disposal of	Precautions, Cond	litions or Limitati	ons on Approval	with the sit	e's permit requ	ireme
The site must ensure that all pre-act prior to acceptance and disposal of the site of the	Precautions, Cond ceptance and verification the profiled waste.	litions or Limitati	ons on Approval med in accordance Name	with the sit		ireme
The site must ensure that all pre-acception to acceptance and disposal of the site of the	Precautions, Conditional control of the profiled waste.	litions or Limitati n analytical is perfor	ons on Approval med in accordance Name	with the sit		irem
The site must ensure that all pre-acception to acceptance and disposal of the site of the	Precautions, Cond ceptance and verification the profiled waste.	litions or Limitati n analytical is perfor	ons on Approval med in accordance Name	with the sit		irem
The site must ensure that all pre-acception to acceptance and disposal of the site of the	Precautions, Conditional control of the profiled waste. Classical Conditional	litions or Limitation analytical is performantly to the control of	ons on Approval med in accordance Name Rejected ons on Approval	e (Printed):	Stephen Brown	

and the second s	Olutions, LLC GENERATOR WASTE PROFILE 734 946 1000. Fax 734 946 1002 Profile # 64402210469
GENERATOR INFORMATION Name: Tribar Manufacturing - Plant 5	USEPA ID # MIK929440955
Facility Address: 48668 Alpha Dr.	SIC/NAICS Code; State Code;
City: Wixom	State: MI Zip Code: 48393
Contact: Ryan O'Keefe Title: EHS	
BILLING INFORMATION Company Name: ERG Environmental Services Address: 13040 Merriman Rd.	SAME AS ABOVE
	State: MI ZIp Code: 48150
· · · · · · · · · · · · · · · · · · ·	ountant Phone: (419) 315-1090 Fex: ()
Chromic Acid Water Process Generating Waste (Please be specific, Incomp Waste generated from the chrome plating process.	olete information may delay the approval process):
This waste is considered to be: Non Hazz Regulated by TSCA? CIYes RNo (PCBs, etc.)	ardous Liquid industrial Waste 절 Hazardous Waste
2. Regulated by TSCA? CIYes ElNo (PCBs, etc.) 3. List ALL Applicable Waste Codes: D007 D002	· · · · · · · · · · · · · · · · · · ·
1. This waste is considered to be: 2. Regulated by TSCA? CIYES EINO (PCBs, etc.) 3. List ALL Applicable Waste Codes: D007 PHYSICAL CHARACTERISTICS OF WASTE Color: Color: White/Clear Black/Brown 1-3 % Other	Layers: Specific Gravity: Multi layered <0.8 \omega 1.0 1.2 BI-Layered 0.8 1.0 0.3 1.4 Single Phase Exact / Other
1. This waste is considered to be: 2. Regulated by TSCA? CIYes CiNo (PCBs, etc.) 3. List ALL Applicable Waste Codes: PHYSICAL CHARACTERISTICS OF WASTE Color: Suspended Solids White/Clear White/Clear Black/Brown COther SH: CON COMMON CINE CINE COMMON CINE COMMO	Layers: Specific Gravity: □ Multi layered □ <0.8
1. This waste is considered to be:	Layers: Specific Gravity:
1. This waste is considered to be:	Layers: Spacific Gravity:
1. This waste is considered to be:	Layers: Specific Gravity:
1. This waste is considered to be: 2. Regulated by TSCA? CIYes CiNo (PCBs, etc.) 3. List ALL Applicable Waste Codes: PHYSICAL CHARACTERISTICS OF WASTE Color: Suspended Solids O-1 % 3-5 % D Black/Brown Other OH: DNA C < 2 2 2 - 4 0 4 - 6 Liquid Flash Point: COC CONCENTRATION - <50 CONSTITUENT Chromic Acid	Layers: Specific Gravity: Multi layered
1. This waste is considered to be:	Layers: Specific Gravity: Multi layered

RECEIVING INFO	RMATION
Date	8/2-/22
Receiving ID#	1 8 1 2-122 Change Well
Manifest # Line	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	Tri_ Bar
Client	
Transporter	
Time in	
Time out	
Received by	J.17.
Sampled by	16:10

LAB INFORMA	ATION:
Compatible? (RT#)	7
PCBs (ppm) (Oily Waste	AIA
Only)?	, , ,
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	2.05
Cyanides? (mg/L)	6.30
Sulfides? (ppm)?	1.7.00
Specific Gravity	1.01
Physical Description	15000
Stream Consistency	Yes No
Oil in Sample?	Yes (No;
Temperature (F)	79
Conductivity	10.28
% Solids	0.21
Turbidity	Yes (No)
Color	It Great
TSS (%)	₹ 0.\
Radiation Screen (as needed)	XIVA
Lab Signature/Initials	し ひ.カ
/	Spe Addambed
÷.	The Control of the Co

REPUBLIC"	Re	public	Se	ervices			
SEMPICES.	I	18500 N. Allied Wa					
S	PECIAL WAS	STE DEPART	MEN	T DECISION	J		
	Waste Profile # 64402210988			ation Date			
I. Decision Request:	☑ Initial	Recertificati	on	Change			
Disposal Facility: 6440 - Detroit Ind Well		-				***	·····
Generator Name: TRIBAR MANUFACTURIN	G PLANT 5		·····				
Generator Site Address: 48668 ALPHA DR.		***************************************					
City: WIXOM	County:		State	: MI		Zip:	
iame of Waste: ELECTROLESS NICKEL SO	DLUTION		l				
stimated Annual Volume: 20000 Gallons	······································			······································			
I. Special Waste Department Decis	ion:	Approved O Re	jected				
lanagement Method(s): Landfill	Solidification		-	Deep Well	Tran	sfer Facility	
Problematic Special Waste according to Re	epublic?	Yes O No					
yes, which one?			············			 1	
approved by Special Waste Review Comm	1442	Yes O No O No		·····			
P The site must ensure that all pre-accepts prior to acceptance and disposal of the p	recautions, Cor ance and verificati profiled waste.					site's permit req	uirements
							//
Special Waste Analyst Signature: Supporter Special Waste Analyst Signature: Support Special Waste Sp	TOTAL X.	3		Name	(Printed)	: Stephen Brown	
II. Facility Decision:		Approv	ed O	Rejected			
D	recautions, Con			•			
•	recautions, con	iditions of Limi	lation	s on Approvai			
By signing below, the General Manager or Des	signee agrees that a		-	(,	ent is on fil	e for this profile a	// and that the
Seneral Manager or Designee:	errig /	Nan Nan	ne (Prin	ited):	7 6	000	
Date: 8/11/2022	<i>Y</i> / ~						

Republic Inde 28470 Citch Dr. Rd	i strial and Energy So mulus, Mi 48174. Telephone 7	lutions. LLC 34 946 1800. Fax 7	34 946 1002 P ro		WASTE PROFILE 2210988
GENERATOR INFOR	MATION nufacturing Plant 5		USEPAID# M	IIK929440955	
Facility Address: 486	68 Alpha Dr.		_ SIC/NAICS Cod	e: State Code:	
City: Wixom			-	z _{Ip} Code: 48393	3
Contact: Ryan O'K	sefe Tida:	Phone: @48		Fax: ()_	
BILLING INFORMAT Company Name: ERG Address: 13040 N	3 Environmental Services	SAME AS AE	OVE		
Address: 1007016			State: MI	Zip Code: 48150	<u> </u>
Attention; Ashley R	ader Title: Accol	Intent Phone: #19		Fax: {	
Solution used in the USEPA / STATE WAST 1. This waste is conside		lete Information may a		/ process): Hazardous Waste	
9. List ALL Applicable \					
PHYSICAL CHARACT	ERISTICS OF WASTE Suspended Solids	Layers:		Specific Gravity:	
☐ White/Clear	20 0-1% □ 3-6%	☐ Multi layers	1	•	
Ci Black/Brown	Q 1-3% Q >5%	C) Bi-Layered	D 0.8	1.0 1.3 1.4	
12 Other		Single Pha		Other	
PH: DNA C < 2			B-10 🖸 10 — 1		
	l; Q <73°F			200°F D None D Cic	sed Cup 🖸 Open Cup
VOC CONCENTRATION	<u> </u>	PPM (MUST BE CO	•		
POTAL COMPOSITION	OF WASTE - MUST BE EQUAL TO C	R GREATER THAN 1009	LIST EACH CON	STITUENT ◆1= 0.1%)	
CONSTITUENT		MAX MIN	CONSTITUENT		MAX MIN
Plating Solution		100. D % [

поравки изавания	x confly	GOTO (MINUS)	• 2041U GWI	u Para	A - LOU	urahas - w	- 481/4				Wa	ste Pr	otte - Pe	ge 2
Metals: Indicate if the	is waste r dge-provi	conteins e de baciqu	ery of the folio p I Lab Anel	owing Vsis i	metais 21 Gen:	eretor Kin	owiedge	TC	יסדי יו	'AL				
		vicentrati		Not		ncentratio		Aman	ilo (As)	D004	8 <6	-		
1	Present			Prese		- Contract	~,		m (Ba)	D005	B <100	pp		ppm
РСВ	B	ppm /	Aromalic Amir		***	_pom			ilum (Cd)	D006	B2 <1	pp		ppm
Dioxins	8	•••	Pesticides	2	-				nium (Cr)	D007	22 <6	pp		ppm ppm
Cyanides Reactive	-	••	Rodenficides	8	_			Losd		D008	8 <5	ppi ppi		bbw bbw
Cyanistes Total	20	•••	Functoides	8	_	ppm			sy (Hg)	D009	£1 <0.2	ppr		
Sulfides Reactive	8	ppm		_	_				lum (Se)	D010	84	991		ppm ppm
Sulfides Total		ppm						Stiver	(Ag)	D011	9 <5	ppr		ppm
TCLP Organics Di	012 — Di	043 ebov	e regulatory	limit	s: Pres	ent 🗅 N	ot Present	Ð						
IS WASTE ANY (IN Radioactive IN NIOSH Human-P	□ Water callive Ca FORM	Reactive urcinogen ATION	e D Oxidia s CI NESH/	zer AP W	□ Sh astes (i	ock Sen Benzene	etc.)	React Biologi	ive (other) cel El No	one Appl	OT Explosi Y	ves		
2. Reportable Quar	ntity (RQ)	in pounds	N/A			ŀ								
3. DOT Shipping h						- 1					Class		AMMU	
PG ERG	·	_ Hezerd	lous Constitu	ente t	פות" זסי	₩"—								
4. Method of Shipm	tent:	89 Bulk 1	lanker 8	2 Vac	truck	1 1	3 Raji Car		CI Drums	ì	LI Tolea	,		
6. Special Handlin	g Require	ements ir	icluding PPE	:		-								
CERTIFICATIO I hereby represent attached document information, the information that in the hereby and it this box is checked solutions makes will solutions makes will attached to the checked solutions makes will attached to the checked solutions makes will attached to the checked solutions makes will solutions makes will attached to the checked solutions and the checked solutions and the checked solutions are checked to the checked solutions and the checked solutions are checked solutions.	and warn is. Based ormation sen omitte i proossi i Ci i reque te consis	ent that I con my in containe led as to ing of the sat Repul tent_with	I have person nquiry and pe ud herein is to make this into a waste mate blic industrial fine results of	rue, e forma riel d & Ens	iccurat ition m lescribi arav So	e and c isleading ad harei blinns n	emplete to p. I underst t. et to correct	the ber and the any inc	it of my kn it others n	owledge lay rely s. Any c ements.	and balia on this rep orrections R	f. Furi resent lepubli	hermore lation an c Industr	i, no id warri tel & En
Printed Name:	YALL) (4)	lefe			-				Titie:				<u> かし</u>
Generalor's Signatur	e: <u>//</u>	(C) Y	<u> </u>			<u></u>				_ Date:	8/1	122		
GENERATOR'S waste described in to obtained using any of our have problems of eprosentative.	ine acove I the annit	cable son	cad GENERA! mino maibod	ORS	WASTE d in 40	PROFILI	REPORT U	sing ar	approprie	te conte	iner. A rep	resen		
1 Greb		2.	Tank											
SAMPLING METH	ICD		COLLECTI	ON P	OINT	+	···········							
Michael Jord			lanager, El	RG	Envir	nmen	ai	_						
SAMPLE COLL	ECTORE	NAME,	TITLE, EMP	PLOY	ER				I					
4. Semple No. <u>CO1</u> 5. CHAIN OF CUS	-Eletrole TODY E	ess Nic	kel Preservi on who hand	ation: Nos ti	Yes □ he san	ple mus	No W I sign belo	w who	n the sam	pie pass	es from o	te to s	anolher.	
Relinqu			·											
(Sign	nature)	i	Date		7	ime		Receiv (Sign:			Date	•	7	(ime

RECEIVING INFO	RMATION
Date	8 1 11 122
Receiving ID#	Electroless Ni Sal-
Manifest # Line	
Land Ban Cert included	Yes - No
EGT Approval #	•
Generator	Tribar
Client	
Transporter	
Time in	
Time out	
Received by	J. か
Sampled by	Client

LAB INFORMA	(MOIT	
Compatible? (RT#)	4	
PCBs (ppm) (Oily Waste	とる	
Only)?	, , ,	
TOC ppm (CC Waste Only)?	<u> </u>	
Flash Point (F)	<u> </u>	40
pH (S.U.)	8.31	ما
Cyanides? (mg/L)	43	6
Sulfides? (ppm)?		200
Specific Gravity	1.00	5
Physical Description	1-20	, , ,)
Stream Consistency	Yes	No
Oil in Sample?	Yes	(B)
Temperature (F)	74	
Conductivity	2.8	3~2
% Solids	40.	
Turbidity	Yes	(No)
Color	Colus	1051
TSS (%)	40.	1
Radiation Screen (as needed)	Nex	
Lab Signature/Initials	0	\J.7)

L See lab Notes

REPUBLIC' SERVICES	R		Services y, Phoenix, AZ 85054	S	
	SPECIAL W	ASTE DEPART	MENT DECISIO	N	
	Waste Profile 6440221167		Expiration Date 8/24/2023		NAME OF THE OWNER O
I. Decision Request:	🔽 Initial	Recertificati	on 🗌 Change		
Disposal Facility: 6440 - Detroit Ind Well					
Generator Name: MSC WALLBRIDGE CO.					
Generator Site Address: 30610 E, BROAD			· · · · · · · · · · · · · · · · · · ·	•	
City: WALLBRIDGE	County:		State: OH	Zip:	
Name of Waste: SPENT ZINC ELECTROL	~~~	ER .			
Estimated Annual Volume: 100,000 Gallor	ns			***************************************	
I.				102011	
II. Special Waste Department Dec	ision:	● Approved ○ Re	lastad		
		⊕ Apploved ⊕ Re	jecteu		
Management Method(s): Landf	īll 🔲 Solidifica	tion Bioremed	ation	Transfer Facility	
Duchlematic Consist Mosts asserting to	D	0 6	_	_	
Problematic Special Waste according to	Republic?	O Yes No			
If you which are?					
II yes, which one?		***************************************			
If yes, which one? Approved by Special Waste Review Com	mittee?	Ov Ov @v			
Approved by Special Waste Review Com	mittee?	○Yes ○No ◎ No	ot Applicable		
Anthreith Control of the Control of	mittee?	○Yes ○No ® No	ot Applicable		
and the state of t					
Additional designation of the second			ot Applicable itations on Approva	il	
Approved by Special Waste Review Com The site must ensure that all pre-accept	Precautions, C	Conditions or Lim	itations on Approva		ments
Approved by Special Waste Review Com	Precautions, C	Conditions or Lim	itations on Approva		ments
Approved by Special Waste Review Com The site must ensure that all pre-accept	Precautions, C	Conditions or Lim	itations on Approva		ments
Approved by Special Waste Review Com The site must ensure that all pre-accept	Precautions, C	Conditions or Lim	itations on Approva		ments
Approved by Special Waste Review Com The site must ensure that all pre-accept	Precautions, C	Conditions or Lim	itations on Approva		ments
Approved by Special Waste Review Com The site must ensure that all pre-accept	Precautions, C	Conditions or Lim	itations on Approva		ments
Approved by Special Waste Review Com The site must ensure that all pre-accept	Precautions, C	Conditions or Lim	itations on Approva		ments
Approved by Special Waste Review Com The site must ensure that all pre-accept	Precautions, C	Conditions or Lim	itations on Approva		ments
Approved by Special Waste Review Com The site must ensure that all pre-accept	Precautions, C	Conditions or Lim	itations on Approva		ments
Approved by Special Waste Review Com The site must ensure that all pre-accept	Precautions, C ptance and verific e profiled waste.	Conditions or Lim	itations on Approva		
Approved by Special Waste Review Com The site must ensure that all pre-accel prior to acceptance and disposal of the	Precautions, C ptance and verific e profiled waste.	Conditions or Lim cation analytical is po	itations on Approva	e with the site's permit require	

By signing below, the General Manager or Designee agrees that a fully executed Special Waste Service Agreement is on file for this profile and that the special waste file is complete.

General Manager or Designee:

_____ Name (Printed): ______

11

Date: 8/24/2022

	ustrial and Energy omulus, MI 48174. Telepho		734 946 1	002	WASTE PROFILE 2211676
GENERATOR INFORMATION NAME: MSC Wa	RMATION libridge Coating, LLC		USEPA	_{ID#} OHD980571947	
Facility Address: 306	610 E. Broadway		SIC/NA	ICS Code: State Code: 3323	11
City: Walbridge				H Zip Code: 434	
Contact: Shawn R		H&S Phone: (4.1			
BILLING INFORMAT Company Name: EQ Address: 1923 F	Detroit, Inc	☐ SAME AS A	/BOVE		
City: Detroit			State: M	Zip Code:	
Attention:				Fax: ()	
Spent Zinc Ele Process Generating \ Cleaning and galvi USEPA / STATE WAS 1. This waste is consider.	dered to be: 🔲 Non	omplete information may		approval process):	
List ALL Applicable	v? DYes ZiNo (PCBs, etc.) Waste Codes: D002				4-64-64
PHYSICAL CHARAC	TERISTICS OF WASTE				
Color:	Suspended Solids	Layers:		Specific Gravity:	
White/Clear	Q 0-1% Q 3-5%	☐ Multi laye		□ <0.8 □ 1.0 1.2	
☐ Black/Brown ☐ Other	C 1-3 % C > 5%	Di Bi-Layer Où Single Pi	í	© 0.8—1.0 © 1.3—1.4 Exact / Other	7
£	02-404-6			10 — 12.5 🖸 >12.5	<u>-1_1</u>
VOC CONCENTRATION	ı- <u>0</u>	PPM (MUST BE	COMPLETE		
CONSTITUENT	N OF WASTE - MUST BE EQUA	L TO OR GREATER THAN 10 MAX MIN		ICH CONSTITUENT <>1= 0.1%	() MAX MIN
Deionized Water	er	80.90%			
93% Sulfuric	de la la companya de	2.10%			
Dissolved Z		1.5%			

Republic Industrial & E	nergy Solutions	- 28470 Citrin Dri	ve - Romulus - M	Al - 48174		Was	te Profile - P	age 2
Metals: Indicate if this v If Generator knowledge	vaste contains a -provide backu	any of the following p 🖸 Lab Analysis	g metals Generator Kr	nowledge 🗓 To	LP KOTOTAL			
N	ot Concentrati		t Concentrati	ion Arse	nic (As) D004		ppm	ppm
	-	Aromatic Amine @			um (Ba) D005		ppm	ppm
· ·		Pesticides (- Anna P. P		nium (Cd) D006		ppm	ppm
		resucides u Rodenticides u			mium (Cr) D007		ppm	ppm
•		Fungicides @			(Pb) D008	_	ppm	ppm
	a ppm A ppm	rungicides u	fppm		ury (Hg) D009 nium (Se) D010		ppm	ppm
~ ·- · ·	a ppm				nium (Se) 0010 r (Ag) 0011	921<1 921<5	ppm	ppm
TCLP Organics D012	D043 abov	re regulatory limi	ts: Present 🗆 N		(ng) buti	WI ~3	ppm	ppm
IS WASTE ANY OF T			··	x Must Be Checked	4	***************************************		
	Vater Reactive		U Shock Ser			OT Cualcab		
☐ NIOSH Human-Posit			Vastes (Benzene		· · · · · ·	OT Explosiv	68	
				, cas, a blood	rea wittone App	-y	***************************************	
SHIPPING INFO 1. Is this a DOT Haz 2. Reportable Quantity 3. DOT Shipping Many	ardous Mate (RQ) in pounds	rial (49CFR 17:			Ø Yes Ü No			
3. DOT Shipping Nam		ous Constituents			NOS Hazaro	Class 8	UN/NA	UN-33/64
				nuno Acia		······································		
4. Method of Shipment		00		☐ Rail Car	☐ Drums	□Totes		
 Number of Units to S Special Handling R 	ship Now OUU	ocluding PPE-	6. Anticipal	ted Volume / Units	per Year: 10000	00	or () (One Time
Actu		and any () E.						
CERTIFICATION: I hereby represent and attached documents. E information, the inform material fact has been in the handling and profit this box is checked © I Solutions makes will be Printed Name:	warrant that I lased on my in ation containe omitted as to cessing of the	have personally rquiry and person d herein is true, i make this inform waste material o blic Industrial & En the results of the s	accurate, and c accurate, and c ation misleading described hereis	or those individual complete to the being. I understand the n.	s responsible for a st of my knowledg at others may rely consistencies, Any c latory requirements	e and belief, on this repre	btaining th Furthermoresentation a public Indus	e re, no ind warranty
					Title	EN3 Mai	lager	
Generator's Signature: _	Shawn	Reinhart			Date	8/2	4/2022	
GENERATOR'S C waste described in the a obtained using any of the you have problems obtain representative.	apolicable san	SOU GENERATORS Ding methods city	WASTE PROFILI	EREPORTUSING at	n appropriate cont	ainer. A repre	sentative s	
1,	2.							
SAMPLING METHOD		COLLECTION	POINT		1			
3	2000	TITLE						
SAMPLE COLLECT 4. Sample No.		Preservation	Vec (1	No 🖸	<u></u>			
5. CHAIN OF CUSTO		on who handles I	lhe sample mus	st sign below whe	n the sample pas	ses from one	to another	r.
Relinquishe (Signatu		Date	Time		ved by: ature)	Date		Time
				 				

The Control of the Co	H. Martin		
RECEIVING INFO			
Date	T8/24	/ 22	
Receiving ID#	Spent 7	~ Ela	ctralyte wastewates
Manifest # Line	17.		13:19/2 00:17:00:1/3
Land Ban Cert included	Yes	No	
EGT Approval #			
Generator			
Client			
Transporter			
Time in			
Time out			
Received by	J.H.		
Sampled by	Clied		

LAB INFORM	ATION	
Compatible? (RT#)	4	**************************************
PCBs (ppm) (Oily Waste	NIF	1
Only)?	1 ,,	,
TOC ppm (CC Waste Only)?		
Flash Point (F)	214	0
pH (S.U.)), 8	30
Cyanides? (mg/L)	\ \	36
Sulfides? (ppm)?	2	-200
Specific Gravity	1.04	
Physical Description	1-qu:	d
Stream Consistency	Yes	No
Oil in Sample?	Yes	(M)
Temperature (F)	74	
Conductivity	29,7	~5
% Solids	3.0	7
Turbidity	Yes	(No)
Color	(0)05)	e 55
TSS (%)	10,	1
Radiation Screen (as needed)	Nea	
Lab Signature/Initials	1	J.H.

(Sea attacked lab Notes)

REPUBLIC' SERVICES	Re		Services y, Phoenix, AZ 85054	
5	PECIAL WA	STE DEPART	MENT DECISION	A contract of the contract of
	Waste Profile # 64402211734		Expiration Date 8/3/2023	
I. Decision Request:	Initial	Recertificati	on 🗌 Change	
Disposal Facility: 6440 - Detroit Ind Well				
Generator Name: MICHIGAN SUGAR COM	PANY			
Generator Site Address: 159 SOUTH HOW	ARD STREET			
City: CROSWELL	County:		State: MI	Zip:
Name of Waste: WASTEWATER				
Estimated Annual Volume: 10,000,000 Gall	ons			
Management Method(s): Landfill Problematic Special Waste according to R	٠٠	on Bioremedia	ation 🗸 Deep Well	Transfer Facility
If yes, which one?		***************************************		
Approved by Special Waste Review Comm	nittee?	Yes O No O No	t Applicable	
F	Precautions, Co	nditions or Limi	tations on Approval	
The site must ensure that all pre-accept prior to acceptance and disposal of the	tance and verifica			vith the site's permit requirements
Special Waste Analyst Signature: 52	ETTUZ.	3	Name ((Printed): <u>Stephen Brown</u>
Special Waste Analyst Signature: 52 Date: 8/25/2022 III. Facility Decision:	ETTUZ.	3	Name ∈	

By signing below, the General Manager or Designee agrees that a fully executed Special Waste Service Agreement is on file for this profile and that the special waste file is complete.

General Manager or Designee: _____ Name (Printed): _____

Date: 8/25/2022

	ISTRIAL AND ENERGY SO mulus, MI 48174. Telephone 7			644000	MASTE PROFILE
GENERATOR INFOR	MATION ugar Company		USEPA ID # MIDO	99121030	
Facility Address: 159	South Howard Street		SIC/NAICS Code: St	ate Code:	
City: Croswell			Slate: Michigan	Zip Code: 48422	
Contact: Eric Ruppre	ocht Title: Wastenste	Complexes Phone: (+++		Fax: ()	
BILLING INFORMAT		SAME AS AB	ονε		
	igan Sugar Company				
Address: 122 Upto	wn Drive				
City: Bay City			State: Michigan	Zip Code: 48708	
Attention: Accounts (Payable Title:	Phone: ()	Fax: ()	
The source of the was ugar beets with was made. The evaporat washing system in a wastewater neneral USEPA / STATE WAST 1. This waste is consider.	E IDENTIFICATION ared to be: IDENTIFIED Non Hazai COYes IDEN (PCBs, etc.)	re approximately 75% he sugar is diffused fro d in the process. This	water. The basic pro om them into water ar creates a constant es s process water from	ocess is to transport nd becomes the juic scess of water from	e from which sugar is the flume and beet
PHYSICAL CHARACT	ERISTICS OF WASTE				
Color:	Suspended Solids	Layers:	Spec	ific Gravity:	
Q White/Clear	Q 0-1% Q 3-5%	☐ Multi layere	1	Ø1.0 1.2	
☑ 8lack/Brown	D 1-3 % D > 5%	O Bi-Layered	1	0 01.3-1.4	
DH: DNAU < 2 t	J 2 — 4 J 4 — 6	Single Phas	e Exact / Othe		
Liquid Flash Poin VOC CONCENTRATION	t: 0 <73°F 0 73-100°F 0	101—140°F □ 14°	—200°F □ >200° MPLETED)	F 52 None D Clo	osed Cup Ci Open Cup
CONSTITUENT		MAX MIN .	CONSTITUENT		MAX MIN
Wastewater		100			

Date

struzu

Time

8cm

RECEIVING INFO	DRMATION
Date	8 123 122
Receiving ID#	Wastewater
Manifest # Line	V
Land Ban Cert included	Yes No
EGT Approval #	
Generator	Mich igan Sug
Client	
Transporter	
Time in	
Time out	
Received by	J.t)
Sampled by	(C):007

LAB INFORM	ATION .		
Compatible? (RT#)	Y		
PCBs (ppm) (Oily Waste	H1)A		
Only)?	1 - 1 7 7		
TOC ppm (CC Waste Only)?			
Flash Point (F)	>140		
pH (S.U.)	8.29		
Cyanides? (mg/L)	430		
Sulfides? (ppm)?	L200		
Specific Gravity	1.00,		
Physical Description	1-av2		
Stream Consistency	Yes No		
Oil in Sample?	Yes (N)		
Temperature (F)	フリ		
Conductivity	3:61 m5		
% Solids	(0.)		
Turbidity	Yes (No)		
Color	Colus)ess		
TSS (%)	(0)		
Radiation Screen (as needed)	Neg.		
Lab Signature/Initials	05.4		

(See Attached lab Notes)

				· · · · · · · · · · · · · · · · · · ·			·····
REPUBLIC"	R	-		SERVICE Denix, AZ 85054	S		
SPECIAL WASTE DEPARTMENT DECISION							
	Waste Profile 6440229825			piration Date 24/2023			
I. Decision Request:	🔽 Initial	Recertif	ication	☐ Change			
Disposal Facility: 6440 - Detroit Ind Well Generator Name: CEFARI OKC RNG, LLC Generator Site Address: 2300 SE 69TH ST.							
City: OKLAHOMA CITY	County:		Sta	ate: OK		Zip:	
Name of Waste: ARSENIC CONTAMINATED C	ONDENSATE	WATER					
Estimated Annual Volume: 20000 Gallons	·						
II. Special Waste Department Decision	on:	Approved	Rejecte	d			
Management Method(s):	Solidifica	tion Biore	emediation	Deep Wel	l Tran	sfer Facility	
Problematic Special Waste according to Republic?							
If yes, which one?							
Approved by Special Waste Review Committee?		O Yes O No	Not App	olicable			
Precautions, Conditions or Limitations on Approval							
The site must ensure that all pre-acceptance and verification analytical is performed in accordance with the site's permit requirem prior to acceptance and disposal of the profiled waste.					uirements		
				· · · · · · · · · · · · · · · · · · ·		ent and way of his training w	//
Special Waste Analyst Signature: 520 Date: 7/21/2022	TOX.	3		Na	ame (Printed)	: Stephen Brown	
III. Facility Decision:		② A	pproved	Rejected			
Precautions, Conditions or Limitations on Approval							
					· •		

By signing below, the General Manager or Designee agrees that a fully executed Special Waste Service Agreement is on file for this profile and that the special waste file is complete.

General Manager or Designee: _

8.23.22

Name (Printed):

1

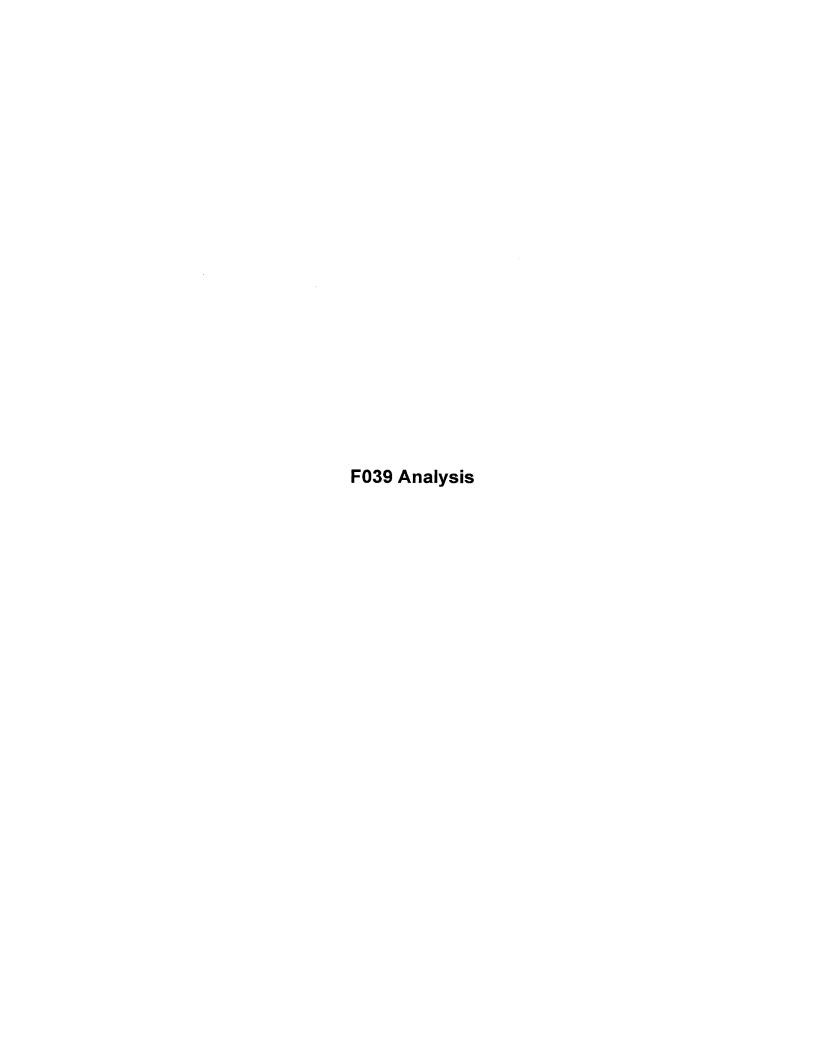
Republic Industrial and Energy S 28470 Citrin Dr. Romulus, MI 48174. Telephone	3 784 946 1000. Fax 734 946 1002				
· · · · · · · · · · · · · · · · · · ·	Profile #				
GENERATOR INFORMATION Name: Cefari OKC RNG, LLC	USEPA ID# OKR000036899				
Facility Address: 2300 SE 69th St.	SIC/NAICS Code: State Code: 211130				
City: Oklahoma City	State; OK Zip Code; 73149				
Contact: Drew Floresca Title: Age	Phone: () Fax: ()				
BILLING INFORMATION Company Name: U.S. Waste Industries	SAME AS ABOVE				
Address: 4420 Jefferies Highway (P.O. Box 2	326)				
City: Walterboro	State: SC Zip Code; 29488				
Attention: Tina Smith Title: Acn	nt. Payable Phone: () 843-538-2601 Fex: ()				
WASTE INFORMATION Name of Waste/Common Chemical Name: Arsenic Conteminated Condensate Water					
Process Generating Naster Please be specific, incomblete information may delay the approval process): Generated from natural gas processing. Condensate water is knocked out of gas lines when gas gets he from pressure changes at different compressors:					
USEPA / STATE WASTE IDENTIFICATION 1. This waste is considered to be: 2. Regulated by TSCA? Clyes GNo (PCBs, etc.) 3. List ALL Applicable Waste Codes:	iszardous Liquid Industrial Waste G Hazardous Waste				
PHYSICAL CHARACTERISTICS OF WASTE					
Color: Suspended Solids	Layers: Spacific Gravity:				
☐ White/Clear ☐ 0-1% ☐ 3-5%	☐ Multi layered ☐ <0.8 ☐ 1.0 — 1.2				
☐ Black/Brown ☐ 1-3 % ☐ > 5% ☐ U Other	☐ Bi-Layered ☐ 0.8—1.0 ☐ 1.3—1.4 ☐ Single Phase Exact / Other				
PH:	□ 8 − 8 □ 8-10 □ 10 − 12.6 □ >12.5				
Liquid Flash Point: O <73°F D 73-100°F	: □ 101—140°F □ 141—200°F □ >200°F ☑ None □ Clased Cup □ Open Cup				
VOC CONCENTRATION - 0	PPM (MUST BE COMPLETED)				
TOTAL COMPOSITION OF WASTE - MUST BE EQUAL TO OR GREATER THAN 100% (LIST EACH CONSTITUENT <>1= 0.1%)					
CONSTITUENT	MAX MIN CONSTITUENT MAX MIN				
Water	99 . 100 1/4 Chromium (mg/l) 0 . 0.578 0/4				
Arsenic (mg/l)	0 4020 %				
Mercury (mg/l)	0 . 0.028 %				

Republio Industrial &	Energy Solution	ıs - 28470 Citrin Dri	vs-	Romulus - MI - 48	8174			Was	te Profile	- Page 2
Metals: Indicate if this f Generator knowled	s waste contains ge-provide back	any of the following up 12 Lab Analysis	g me	stals Generator Knowle	edge A	TCLP CITOT	AL			
	Not Concenira	ation No	21	Concentration		Arsenic (As)	D004	□ <6	ppm	0-4020 ppm
þ	resent	Pres	1			Barlum (Ba)	D005	1 <100	ppm	ppm
PCB	Ø ppm	Aromatic Amine		ppm		Cadmium (Cd)	D008	9 /<1	ppm	ppm
Dioxins	☑ ppm		7	ppm		Chromium (Cr)	D007	€ <5	ppm	ppm
Cyanides Reactive	Ø ppm		J	ppm		Lead (Pb)	D008	52 <5	ppm	ppm
Cyanides Total	☑ ppm			ppm		Mercury (Hg)	D009	B <0.2	ppm	ppm
Sulfides Reactive	Ø ppm	, difficulty	7			Selenium (Se)	D010	© 2 ′<1	ppm	ppm
Sulfides Total	™ bbw					Silver (Ag)	D011	Œ / <5	ppm	ppm
TCLP Organics D0	12 D043 ab	ove regulatory lim	ita:	Present 🗆 Not I	Present 6	3				
IS WASTE ANY C	F THE FOLLO	NING?	At I	east One Box M	ust Be Ch	acked.				
☐ Radioactive (⊇ Water React	ive 🗆 Oxidizer		□ Shock Sensiti	ive 🗆	Reactive (other) 🗆 🗅	OT Explosi	Ves	
□ NIOSH Human-P	ositive Carcinog	ens 🔾 NESHAP	Wat	stes (Benzene, et	io.) 🗆	Biological 🔯 N	one Appl	у		
SHIPPING IN 1. Is this a DOT 2. Reportable Quar 3. DOT Shipping N	Hazardous Mi ntity (RQ) in pou	aterial (49CFR 1 nds_0.454				⊠ Yes (enic)		Class 9	u	N/NA NA3082
		ardous Constituen								
Method of Shipn Number of Units Special Handlin	to Ship Now 1		Vac	truck 🗅	Rail Car I Volume /	Ci Drum Units per Year: (<u>5,000g</u>	Quar h	er_	or Q One Time
CERTIFICATIO I hereby represent attached documen information, the in material fact has b in the handling and	and warrant if its. Based on m formation contr seen omitted as d processing of	at I have persona by inquiry and persona lined herein is true to make this infor- the waste materia	e, e ma al d	al knowledge of to courate, and con- tion misleading. sacribed herein.	those indi nplete to I underst	viduals respons the best of my l and that others	ible for a may rely	e and belic on this re	r obtein ef. Furth present	ing the termore, no ation and warranty
If this box is checke Solutions makes will Printed Name: Ar	li be consistent v	vith the results of th	e se	rgy Solutions not imple characteriza	ation and/	any inconsistent or regulatory requ	irements		керион	c industrial & Energy
Fillingo Maria: 74	//20/	- 2	1	un				Ayan		
Generator's Signatu	re: <u>///////</u>	w at e	0				Date	1113/22		
	the above refe of the applicable	renced GENERATO	RS cite	WASTE PROFILE: d in 40 CFR 261-	REPORT I Appendix	ising an appropi 1. Fill in the sam	riate con clina info	tainer. A re mation in th	present le space	uartsample of the ative sample is one is provided below. If
1		2.								
SAMPLING MET	HOD	COLLECTIO	N F	POINT						
3	LECTOR'S NA	ME, TITLE, EMP	LOY	/ER		-				
4. Sample No.		Preserva	ition	Yes 🗆 🐧	No CI	· L			4-	
5. CHAIN OF CU		person who handi	95	ne sample musi	z sign bel		mpie pa			
	quished by: ignature)	Date		Time		Received by: (Signature)		Di	ate	Time

RECEIVING & APPROVAL FORM

Registratives of the many sections		110 1712 1 01 1111
ARECEIVINGINFOR	RMATION	
Date	7/20/22	
Receiving ID#	A CSENT CON	om. Cord. 1-)20
Manifest # Line	•	
Land Ban Cert included	Yes · No	
EGT Approval #		
Generator	Cefas) Oko	RNGILO
Client		15100,000
Transporter		
Time in		
Time out		
Received by	J.H.	
Sampled by	Clipst	
ì		

LAB INFORMA	TION:	
Compatible? (RT#)	4	
PCBs (ppm) (Oily Waste	NIFI	
Only)?	14///	
TOC ppm (CC Waste Only)?		
Flash Point (F)	1 > 14.	δ
pH (S.U.)	(0.7	2
Cyanides? (mg/L)	ζ.	30
Sulfides? (ppm)?	1	200
Specific Gravity	1.00)
Physical Description	Ligu	-d
Stream Consistency	Ves ∕	No
Oil in Sample?	Yes	(Mo)
Temperature (F)	70	
Conductivity	0431	1 m5
% Solids	1.8	
Turbidity	(Yes)	No
Color	It los	كملادو
TSS (%)	40-	1
Radiation Screen (as needed)	NEA	
Lab Signature/Initials	1	J.77





Service Request No:E2200961

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

Laboratory Results for: 22090994

Dear Les.

Enclosed are the results of the sample(s) submitted to our laboratory October 05, 2022 For your reference, these analyses have been assigned our service request number **E2200961**.

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.

Respectfully submitted,

James Hi

ALS Group USA, Corp. dba ALS Environmental

ADDRESS

ESS 10450 Stancliff Rd., Suite 210, Houston, TX 77099
PHONE +1 281 530 5656 | FAX +1 281 530 5887

ALS Group USA, Corp.

dba ALS Environmental



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.:

E2200961

Project:

22090994

Date Received:

10/05/22

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 10/05/22.

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:

EQ2200485-05/06: Laboratory Control Spike/Duplicate Laboratory Control Spike (LCS/DLCS) samples were analyzed and reported in lieu of a MS/MSD for this extraction batch.

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.

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: Project: ALS Environmental - Holland (MI)

22090994

Service Request: E2200961

SAMPLE CROSS-REFERENCE

SAMPLE#

CLIENT SAMPLE ID

E2200961-001

August 2022 F039 Analysis

DATE

<u>TIME</u>

9/9/2022

0000

Service Request Summary

500 mL-Glass Bottle NM AMBER Teflon Liner Unpreserved EHRMS-WIC 10B

Corey Grandits HOUSTON Project Chemist: Originating Lab: ALS Environmental - Holland (MI) E2200961 Client Name:

22090994 Project Name:

Project Number:

Folder #:

Les Arnold Report To:

3352 128th Avenue ALS - Holland

Holland, MI 49424

USA

616-738-7307 Phone Number:

616-836-2964 Cell Number:

les.arnold@alsglobal.com 616-399-6185 Fax Number: E-mail:

10/05/22 JGUIN Logged By: Date Received:

Pressure Gas: Location:

> LAB QAP QAP.

10/19/2022

Internal Due Date:

HRMS Qualifier Set Lab Standard Qualifier Set: Formset:

Merged?:

22090994 P.O. Number: Report to MDL?:

BASIC_WQC_CASNo EDD:

> HOUST ON Dioxins Furans/1613B

09/09/22 0000 Water

August 2022 F039 Analysis

Client Samp No

Lab Samp No.

E2200961-001

6 of 34

Service Request Summary

ALS Environmental - Holland (MI) Client Name:

E2200961

Folder #:

22090994 Project Name:

Project Number:

Les Arnold Report To:

ALS - Holland

3352 128th Avenue

Holland, MI 49424 USA

616-738-7307 Phone Number:

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

les.arnold@alsglobal.com E-mail:

Corey Grandits Project Chemist:

1 500 mL-Glass Bottle NM AMBER Teflon Liner Unpreserved EHRMS-WIC 10B

> HOUSTON Originating Lab:

JGUIN Logged By:

Pressure Gas: Location:

> 10/05/22 Date Received:

10/19/2022 Internal Due Date:

LAB QAP QAP.

HRMS Qualifier Set Qualifier Set:

Lab Standard Formset: Merged?:

Report to MDL?:

22090994 P.O. Number:

BASIC_WQC_CASNo EDD:

7 of 34

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	12/31/2022
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	2228443	12/31/2022
Nebraska Department of Health and Human Services	NE-OS-25-13	4/30/2023
Nevada Department of Conservation and Natural Resources	ТХ026932023-1	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	Т104704231-22-29	4/30/2023
Utah Department of Health Environmental Laboratory Certification	TX026932022-13	7/31/2023
Washington Department of Health	C819-2022	11/14/2022

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

SR# Unique I	E2200961	DB.	-5MSUI	SPB-Octyl	
Fir	st Level - Data Processi	ng - to be filled by person o	generating	the forms	
Date:	Analyst:	Samples:			
10/28/20	2 LKL	001			
	Second Level Data Rev	iew – to be filled by person	daing naar	review	
	econu Level - Dala Rev	iew – to be filled by person	doing peer	review	
Date:	Analyst:	Samples:			
10/28/22	<i>Sl</i>	009			



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 Environme	10450 Stancliff	Suite 210	Houston, TX 77
•			(ALS)	ALS Laboratory

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

TEL: FAX: Acct#:

CHAIN-OF-CUSTODY RECORD

04-Oct-22 21118

11-0ct-22

Date: COC ID: 2

											_	
	Parameter/Method Request for Analysis	A Subcontracted Analyses (SUBCONTRACT)		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							н 5	
	Paramet	ed Analyses		()	1						S	
		A Subcontract	<u>)</u>	5	` \	Ш	· ·	I		. ~	АВ	×
	ıtion			USA. Corp	ayable	Are	Holland, Michigan 49424	020	85		Bottle	(1) 1LPNEAT
	Project Information	22090994		Al.S Group USA. Corp	Accounts Payable	3352 128th Ave	Holland, Mic	0209-6019)	(616) 399-6185		Date 24hr	72022
recount	ď	Project Name	Project Number	Bill To Company	ttn	ess	City/State/Zip	Œ.		2	Collection Date 24hr	9/Sep/2022
ALSHN Account		Proje	Proje	BIII T	Inv Attn	Address	City	Phone	Fax	eMail CC	Matrix	Liquid
Salesperson	Customer Information			ALS Group USA, Corp	Les Arnold	3352 128th Ave	Holland, Michigan 49424	(616) 399-6070	(616) 399-6185	les. arnold \widehat{a} als \widehat{g} lobal. \widehat{c} om	Client Sample ID	22090994-01B August 2022 F039 Analysis
	U	Purchase Order	Work Order	Company Name	Send Report To	Address	City/State/Zip	Phone	Fax	eMail Address	ALS Sample ID	22090994-01B

Comments:

Date Time Relinquished by:

(0001 A

10/4/22 10/6 Date Time

Cooler IDs

1.1-=-1

3,76

GM ALUE 1831

Report'QC Level

Date/Time

Beceived by:

Date: Time

Relinquished by:

ALS) Environmental	Cool	er Réceip	t Form	Project Ch	emist	
Client/Project Als Holland			The	ermometer ID	TR31	
Date/Time Received: 10 5 22 101	D Ini	tlals: To Dat	te/Time Logg	ged in: 10 T	1800 Init	ials <u>J6</u>
1. Method of delivery: OUS Mail	(Fed Ex	OUPS	_	Courler OCI	lient	
_	Box ()En					
3. Were custody seals on coolers?		/ 31	yes, how mand where?	iny		
Were they intact? O'	_	-				
Were they signed and dated?	-		_			
4. Packing Material: Cinserts & Baggles	⊘ Bubble W	rap Gel Pack	s © Wet lo	e 🔘 Sleeves	Other	
5. Foreign or Regulated Soil?	es CHVO	Location of Sa	ampling: _			
Cooler Tracking Number	COCID	Date Opened	Time Opened	Opened By	Temp.	Temp Blank?
5551 4388 3037		10/2/22	1010	<u>CG</u>	3.5	
6. Were custody papers properly filled out (ink	, signed, date	ed, etc)?		~ /	No	
Did all bottles arrive in good condition (not			_		No	
B. Were all sample labels complete (i.e., sample				,	No No	
 Were appropriate bottles/containers and volume Did sample labels and tags agree with cust 			ea tests:		No No	
:	ouy docume	. 11.51		(p) C)		
Notes, Discrepancies, & Resolutions:						
						i
				•		,
	····		·			
		Service reques	it Label:			

HS-HRMSCoolerReceipt R1.0



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



Preparation Information Benchsheets

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

Preparation Information Benchsheet

Prep Run#: 408666
Team: Semivoa GCMS/NBIDJONGO

Prep WorkFlow: OrgExtAq(365)
Prep Method: Method Sep Funnel/Jar

Prepped	0/24/22 10:06
Status: 1	Prep Date/Time: 1

#	Lab Code	Client ID	#B	B# Method /Test pH	 CI Matrix	Amt. Ext.	Sample Description
	E2200879-001	BH-LTSA-SURFACE1-W053	.01	1613B/Dioxins Furans	Water	1103mL	Yellow Clear
2 E	E2200879-011	BH-Z1-01-MW1-G008	10.	1613B/Dioxins Furans	Water	1001mL	Red
3 E	E2200879-012	BH-NE-13-SURFACE5-W016	10.	1613B/Dioxins Furans	Water	1026mL	Yellow clear
4	4 E2200879-013	BH-NE-SURFACE6-W016	10.	1613B/Dioxins Furans	Water	1102mL	Green
5 1	5 E2200879-015	BH-NE-08-SURFACE8-W016	10.	1613B/Dioxins Furans	Water	1101mL	Sighlty Gren
9 E	E2200903-001	Sample Port	10.	1613B/Dioxins Furans	Drinking Water	1046mL	Clear
7 1	7 E2200913-001	1187-56 (17) Grab	.01	1613B/Dioxins Furans	Water	962mL	clear
8 1	8 E2200913-002	1187-59 (16') Grab	.01	1613B/Dioxins Furans	Water	988mL	Yellow
6 E	E2200916-001	P221088-01	.01	1613B/Dioxins Furans	Water	939mL	Cloudy Clear
10 I	10 E2200961-001	August 2022 F039 Analysis	10.	1613B/Dioxins Furans	Water	132mL	Dark Green
11 1	11 E2200968-001	03-7PR	.01	1613B/Dioxins Furans	Water	1036mL	Blue
12 1	12 E2200975-003	GP-BE-10-05-22	10.	1613B/Dioxins Furans	Water	1911mL	orange cloudy
13 1	13 EQ2200485-01	MB		1613B/Dioxins Furans	Drinking Water	1000mL	
14 I	14 EQ2200485-02	TCS		1613B/Dioxins Furans	Drinking Water	1000mL	
15 1	15 EQ2200485-03	DLCS		1613B/Dioxins Furans	Drinking Water	1000mL	
16	16 K2211131-001	MTF-PP	10.	1613B/Dioxins Furans	Water	1052mL	Slitly green
17	17 K2211326-001	OUT	.01	1613B/Dioxins Furans	Water	1051mL	Slitly green
18	18 K2211326-002	OUT Duplicate	.01	1613B/Dioxins Furans	Water	1055mL	Slitly green
19	19 K2211371-009	B1A-EB-GS-092922-01	.01	1613B/Dioxins Furans	Water	924mL	Clear
20 I	20 K2211416-006	B1A-EB-GP-093022-01	.01	1613B/Dioxins Furans	Water	949mL	Clear

Spiking Solutions

Name: 16	Name: 1613B Matrix Working Standard	ng Standard		Inventory ID 2	225221	Logbook Ref: NB 09/30/2022 225221 ng/ml	3 09/30/2022 2252	21 ng/ml		Expires On: 03/29/2023	3/29/2023	
EQ2200485-0	ЕQ2200485-02 100.00µL	ЕQ2200485-03 100.00µL	100.00µL				And the state of t					1
Name: 82	Name: 8290/1613B Cleanup Working Standard	Working Standard		Inventory ID 225486	25486	Logbook Ref: tw 10/14/22 225486	10/14/22 225486			Expires On: 02/28/2023	2/28/2023	
E2200879-00: E2200913-001	E2200879-001 100.00µL E2200913-001 100.00µL	E2200879-011 100.00µL E2200913-002 100.00µL	100.00µL 100.00µL	E2200879-01 E2200916-00	E2200879-012 100.00μL E2200916-001 100.00μL	E2200879-013 100.00µL E2200961-001 100.00µL	100.00µL 100.00µL	E2200879-015 100.00µL E2200968-001 100.00µL	100.00µL 100.00µL	E2200903-001 100.00µL E2200975-003 100.00µL	100.00µL 100.00µL	1
EQ2200485-0 K2211371-00	EQ2200485-01 100.00µL K2211371-009 100.00µL	EQ2200485-02 100.00µL K2211416-006 100.00µL	100.00µL 100.00µL	EQ2200485-(EQ2200485-03 100.00µL	К2211131-001 100.00µL	100.00µL	K2211326-001 100.00µL	100.00µL	K2211326-002	100.00µL	
Name: 16	Name: 1613B Labeled Working Standard	ing Standard		Inventory ID 225697	25697	Logbook Ref. NB 10/25/2022 225697 ng/mL	3 10/25/2022 2256	97 ng/mL		Expires On: 04/10/2023	4/10/2023	
E2200879-00. E2200913-001	E2200879-001 1,000.00μL E2200913-001 1,000.00μL	E2200879-011 1,000.00µL E2200913-002 1,000.00µL	1,000.00µL 1,000.00µL		E2200879-012 1,000.00µL E2200916-001 1,000.00µL	E2200879-013 1,000.00µL E2200961-001 1,000.00µL 17 of 34	1,000.00µL 1,000.00µL	E2200879-015 1,000.00µL E2200968-001 1,000.00µL	1,000.00µL 1,000.00µL	E2200903-001	E2200903-001 1,000.00μL E2200975-003 1,000.00μL	

Page 1

Preparation Information Benchsheet

Printed 10/28/22 14:23

Preparation Information Benchsheet

Prep Method: Method Sep Funnel/Jar

ЕQ2200485-03 1,000.00µL

Prep WorkFlow: OrgExtAq(365)

Semivoa GCMS/NBIDJONGO Prep Run#: 408666

1,000.00µL 1,000.00μL EQ2200485-02 K2211416-006 К2211371-009 1,000.00µL ЕQ2200485-01 1,000.00µL

Preparation Materials

Ethyl Acetate 99.9% Minimum Dichloromethane (Methylene tw 08/15/22 (224550) Carbon, High Purity

AL 12/1/17 (186068) JSV Hexanes (95% n-hexane) Chlorine Test Strips sulfuric acid

tw 09/09/22 sulfuric (224982) chlorine test strips (206954)

К2211131-001 1,000.00µL

Prep Date/Time: 10/24/22 10:06 Status: Prepped

К2211326-002 1,000.00µL

К2211326-001 1,000.00µL

pH-Indicator strips (217936) TW 5/20/22 (225628) tw 10/17/22 (225501) ColorpHast pH-Indicator Strips

Glass Wool Silica Gel

Ethyl Acetate 6/30/22 (223782)

tw 10/03/22 (225319) tw 10/04/22 (225325)

SN 4/26/22 (222726)

Sodium Hydroxide 1N NaOH

Toluene 99.9% Minimum Chloride) 99.9% MeC12

Sodium Sulfate Anhydrous Reagent Grade Na2SO4

SN 5/18/22 (223143)

Final Volume

10/28/22 11:00 NBIDJONGO Finished: By:

10/28/22 07:00

Started:

Silica Gel Clean 10/27/22 12:00 10/27/22 17:00 Comments

NBIDJONGO Comments

Finished: Started:

Comments By:

NBIDJONGO

NBIDJONGO Comments By:

Finished: Started:

10/27/22 12:00 10/27/22 17:00

10/24/22 10:06 10/25/22 23:00

Extraction

Preparation Steps

Finished: Started:

Acid Clean

Extracts Examined Yes Date:

Date:

10/24/22

Date:

Reviewed By: TW

Comments:

Relinquished By: Chain of Custody

Received By:

ž

Page 2

Preparation Information Benchsheet

Printed 10/28/22 14:23



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: E2200961 Date Collected: 09/09/22 00:00 Project: 22090994 Date Received: 10/05/22 10:10

Sample Matrix:

Water

August 2022 F039 Analysis

Sample Name: Units: pg/L Lab Code: E2200961-001 Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method: 1613B Date Analyzed: 10/28/22 10:05

Prep Method: Method Sep Funnel/Jar Date Extracted: 10/24/22 Sample Amount: 132mL Instrument Name: E-HRMS-08

GC Column: DB-5MSUI

Blank File Name: p632729 Data File Name: P632722 Cal Ver. File Name: P632713

ICAL Date: 03/15/22 **Native Analyte Results**

Associate Nove	m 14	0	TEID Y	MOY	Ion	DDT	Dilution
Analyte Name	Result	Q	EDL	MRL	Ratio	RRT	Factor
2,3,7,8-TCDD	ND	U	58.4	58.4			1
1,2,3,7,8-PeCDD	ND	U	19.7	189			1
1,2,3,4,7,8-HxCDD	32.2 JK		16.5	189	0.83	1.001	1
1,2,3,6,7,8-HxCDD	43.7 J		14.4	189	1.43	1.000	1
1,2,3,7,8,9-HxCDD	ND	U	14.7	189			1
1,2,3,4,6,7,8-HpCDD	362		9.28	189	1.16	1.000	1
OCDD	4030		62.1	379	0.96	1.000	1
2,3,7,8-TCDF	ND .	U	56.8	56.8			1
1,2,3,7,8-PeCDF	308		58.5	189	1.57	1.001	1
2,3,4,7,8-PeCDF	226 K		57.4	189	1.23	1.000	1
1,2,3,4,7,8-HxCDF	5010		49.4	189	1.20	1.000	1
1,2,3,6,7,8-HxCDF	1930		55.5	189	1.13	1.000	1
1,2,3,7,8,9-HxCDF	143 J		61.4	189	1.38	1.001	1
2,3,4,6,7,8-HxCDF	424		45.7	189	1.05	1.000	1
1,2,3,4,6,7,8-HpCDF	39900		91.8	189	0.98	1.000	1
1,2,3,4,7,8,9-HpCDF	600		98.7	189	1.11	1.000	1
OCDF	47500		235	379	0.82	1.004	1

Analytical Report

Client: ALS Environmental - Holland (MI)

Service Request: E2200961 Date Collected: 09/09/22 00:00 22090994

Sample Matrix:

Project:

Water

Date Received: 10/05/22 10:10

Units: pg/L

Sample Name:

Lab Code:

August 2022 F039 Analysis

E2200961-001 Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

1613B **Analysis Method:**

Date Analyzed: 10/28/22 10:05

Prep Method: Sample Amount:

ICAL Date:

Method Sep Funnel/Jar

Date Extracted: 10/24/22 Instrument Name: E-HRMS-08

132mL

GC Column: DB-5MSUI

Data File Name: P632722 Blank File Name: p632729

Cal Ver. File Name: P632713

03/15/22

Analyte Name	Result	0	EDL	MRL	Ion Ratio	RRT	Dilution Factor
Total Tetra-Dioxins	ND	U	58.4	58.4	Natio	IXX I	1
		Ü					
Total Penta-Dioxins	ND	U	19.7	189			1
Total Hexa-Dioxins	82.0 J		15.1	189	1.21		1
Total Hepta-Dioxins	845		9.28	189	0.99		1
TO ALL TO A DECISION OF THE SECOND OF THE SE	400		56.0	56.0	0.05		
Total Tetra-Furans	492		56.8	56.8	0.87		1
Total Penta-Furans	3130		4.75	189	1.73		1
Total Hexa-Furans	13600		52.6	189	1.15		1
Total Hepta-Furans	41200		95.2	189	0.98		1

Analytical Report

Client: ALS Environmental - Holland (MI)

Service Request: E2200961 **Date Collected:** 09/09/22 00:00 22090994 Project:

Sample Matrix:

Water

Date Received: 10/05/22 10:10

Units: Percent

Sample Name:

Lab Code:

August 2022 F039 Analysis

E2200961-001 Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method:

1613B

Date Analyzed: 10/28/22 10:05

Prep Method:

Method Sep Funnel/Jar

Date Extracted: 10/24/22

Sample Amount:

132mL

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

Data File Name: **ICAL Date:**

P632722 03/15/22

Blank File Name: p632729 Cal Ver. File Name: P632713

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	251.087	13	Y	25-164	0.77	1.032
13C-1,2,3,7,8-PeCDD	2000	257.927	13	Y	25-181	1.70	1.276
13C-1,2,3,4,7,8-HxCDD	2000	208.320	10	Y	32-141	1.26	0.990
13C-1,2,3,6,7,8-HxCDD	2000	259.327	13	\mathbf{Y}	28-130	1.27	0.993
13C-1,2,3,4,6,7,8-HpCDD	2000	243.099	12	Y	23-140	1.01	1.074
13C-OCDD	4000	449.922	11	Y	17-157	0.84	1.144
13C-2.3.7.8-TCDF	2000	214.191	11	Y	24-169	0.75	0.991
13C-1,2,3,7,8-PeCDF	2000	254.811	13	Y	24-185	1.64	1.217
13C-2,3,4,7,8-PeCDF	2000	242.691	12	\mathbf{Y}	21-178	1.61	1.263
13C-1,2,3,4,7,8-HxCDF	2000	219.214	11	\mathbf{Y}	26-152	0.49	0.966
13C-1,2,3,6,7,8-HxCDF	2000	207.635	10	Y	26-123	0.50	0.970
13C-1,2,3,7,8,9-HxCDF	2000	214.516	11	Y	29-147	0.50	1.009
13C-2,3,4,6,7,8-HxCDF	2000	245.492	12	Y	28-136	0.50	0.986
13C-1,2,3,4,6,7,8-HpCDF	2000	188.986	9	Y	28-143	0.42	1.048
13C-1,2,3,4,7,8,9-HpCDF	2000	234.876	12	Y	26-138	0.46	1.087
37Cl-2,3,7,8-TCDD	800	384.334	48		35-197	NA	1.033

Analytical Report

Client: Project: ALS Environmental - Holland (MI)

22090994

Service Request: E2200961

Date Collected: 09/09/22 00:00

Sample Matrix:

Water

Date Received: 10/05/22 10:10

Sample Name:

August 2022 F039 Analysis

Lab Code:

E2200961-001

Units: pg/L 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	DL	MRL	Factor	TEF	Concentration
2,3,7,8-TCDD	ND	58.4	58.4	1	1	
1,2,3,7,8-PeCDD	ND	19.7	189	1	1	
1,2,3,4,7,8-HxCDD	32.2	16.5	189	1	0.1	3.22
1,2,3,6,7,8-HxCDD	43.7	14.4	189	1	0.1	4.37
1,2,3,7,8,9-HxCDD	ND	14.7	189	1	0.1	
1,2,3,4,6,7,8-HpCDD	362	9.28	189	1	0.01	3.62
OCDD	4030	62.1	379	1	0.0003	1.21
2,3,7,8-TCDF	ND	56.8	56.8	1	0.1	
1,2,3,7,8-PeCDF	308	58.5	189	1	0.03	9.24
2,3,4,7,8-PeCDF	226	57.4	189	1	0.3	67.8
1,2,3,4,7,8-HxCDF	5010	49.4	189	1	0.1	501
1,2,3,6,7,8-HxCDF	1930	55.5	189	1	0.1	193
1,2,3,7,8,9-HxCDF	143	61.4	189	1	0.1	14.3
2,3,4,6,7,8-HxCDF	424	45.7	189	1	0.1	42.4
1,2,3,4,6,7,8-HpCDF	39900	91.8	189	1	0.01	399
1,2,3,4,7,8,9-HpCDF	600	98.7	189	1	0.01	6.00
OCDF	47500	235	379	1	0.0003	14.3

Total TEQ

1260

2005 WHO TEFs, ND = 0

Analytical Report

Client: ALS Environmental - Holland (MI) Service Request: E2200961 Date Collected: NA

Project: Sample Matrix:

22090994 Water

Date Received: NA

Sample Name:

Lab Code:

Method Blank EQ2200485-04

Units: pg/L Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method:

1613B

Method Sep Funnel/Jar

Prep Method: Sample Amount:

Data File Name:

1000mL

P632729

Date Analyzed: 10/28/22 17:20 Date Extracted: 10/24/22

Instrument Name: E-HRMS-08

GC Column: DB-5MSUI Blank File Name: P632729

ICAL Date: 03/15/22 Cal Ver. File Name: P632727

				Ion		Dilution
Analyte Name	Result Q	EDL	MRL	Ratio	RRT	Factor
2,3,7,8-TCDD	ND U	3.28	5.00			1
1,2,3,7,8-PeCDD	2.65 JK	0.649	25.0	1.86	1.000	1
1,2,3,4,7,8-HxCDD	5.06J	0.441	25.0	1.29	1.000	1
1,2,3,6,7,8-HxCDD	2.95 J	0.408	25.0	1.13	1.000	1
1,2,3,7,8,9-HxCDD	2.40 JK	0.407	25.0	0.98	1.008	1
1,2,3,4,6,7,8-HpCDD	2.97 JK	0.259	25.0	1.39	1.000	1
OCDD	3.95 JK	0.485	50.0	2.00	1.000	1
0.2.7.0 TODE	ND H	1 2 4	5.00			1
2,3,7,8-TCDF	ND U	1.34	5.00		4 004	1
1,2,3,7,8-PeCDF	1.52 JK	0.466	25.0	2.48	1.001	1
2,3,4,7,8-PeCDF	2.71J	0.474	25.0	1.65	1.001	1
1,2,3,4,7,8-HxCDF	2.64 JK	0.134	25.0	1.02	1.000	1
1,2,3,6,7,8-HxCDF	3.11 J	0.143	25.0	1.08	1.000	1
1,2,3,7,8,9-HxCDF	2.53 JK	0.179	25.0	0.59	1.000	1
2,3,4,6,7,8-HxCDF	1.71 JK	0.123	25.0	1.70	1.000	1
1,2,3,4,6,7,8-HpCDF	1.65 JK	0.121	25.0	1.78	1.000	1
1,2,3,4,7,8,9-HpCDF	1. 76JK	0.140	25.0	0.59	1.000	1
OCDF	4.32 JK	0.789	50.0	1.05	1.004	1

Analytical Report

Client: ALS Environmental - Holland (MI) Service Request: E2200961

Project: 22090994 Date Collected: NA Sample Matrix: Water Date Received: NA

Sample Name:Method BlankUnits:pg/LLab Code:EQ2200485-04Basis:NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method: 1613B **Date Analyzed:** 10/28/22 17:20

Prep Method:Method Sep Funnel/JarDate Extracted:10/24/22Sample Amount:1000mLInstrument Name:E-HRMS-08

GC Column: DB-5MSUI

Data File Name:P632729Blank File Name:P632729ICAL Date:03/15/22Cal Ver. File Name:P632727

					Ion		Dilution
Analyte Name	Result	Q	EDL	MRL	Ratio	RRT	Factor
Total Tetra-Dioxins	ND	U	3.28	5.00			1
Total Penta-Dioxins	ND	U	0.649	25.0			1
Total Hexa-Dioxins	8.00 J		0.417	25.0	1.29		1
Total Hepta-Dioxins	ND	U	0.259	25.0			1
Total Tetra-Furans	ND	U	1.34	5.00			1
Total Penta-Furans	3.46 J		0.470	25.0	1.38		1
Total Hexa-Furans	3.11 J		0.143	25.0	1.08		1
Total Hepta-Furans	ND	U	0.130	25.0			1

Analytical Report

Client: ALS Environmental - Holland (MI)

Service Request: E2200961

Project:

22090994

Date Collected: NA

Sample Matrix:

Water

Date Received: NA

Sample Name:

Units: Percent

Lab Code:

Method Blank EQ2200485-04

Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method:

1613B

Date Analyzed: 10/28/22 17:20

Prep Method:

Method Sep Funnel/Jar

Date Extracted: 10/24/22

Sample Amount:

1000mL

Instrument Name: E-HRMS-08

GC Column: DB-5MSUI

Data File Name: ICAL Date:

P632729 03/15/22 Blank File Name: P632729 Cal Ver. File Name: P632727

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	1376.121	69		25-164	0.79	1.031
13C-1,2,3,7,8-PeCDD	2000	1362.718	68		25-181	1.60	1.282
13C-1,2,3,4,7,8-HxCDD	2000	1260.107	63		32-141	1.27	0.990
13C-1,2,3,6,7,8-HxCDD	2000	1581.623	79		28-130	1.26	0.993
13C-1,2,3,4,6,7,8-HpCDD	2000	1460.331	73		23-140	1.02	1.075
13C-OCDD	4000	3301.665	83		17-157	0.89	1.145
12C 2 2 7 0 TODE	2000	1000 551	<i>(</i>)		24.160	0.77	0.000
13C-2,3,7,8-TCDF	2000	1289.551	64		24-169	0.77	0.990
13C-1,2,3,7,8-PeCDF	2000	1404.367	70		24-185	1.57	1.221
13C-2,3,4,7,8-PeCDF	2000	1289.187	64		21-178	1.59	1.268
13C-1,2,3,4,7,8-HxCDF	2000	1367.131	68		26-152	0.51	0.966
13C-1,2,3,6,7,8-HxCDF	2000	1318.280	66		26-123	0.51	0.969
13C-1,2,3,7,8,9-HxCDF	2000	1252.508	63		29-147	0.50	1.009
13C-2,3,4,6,7,8-HxCDF	2000	1527.825	76		28-136	0.52	0.986
13C-1,2,3,4,6,7,8-HpCDF	2000	1258.469	63		28-143	0.42	1.048
13C-1,2,3,4,7,8,9-HpCDF	2000	1344.869	67		26-138	0.43	1.087
37Cl-2,3,7,8-TCDD	800	403.667	50		35-197	NA	1.032



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: Project:

ALS Environmental - Holland (MI)

22090994

Sample Matrix:

Water

Service Request:

E2200961

Date Analyzed:

10/29/22

Date Extracted:

10/24/22

Duplicate Lab Control Sample Summary

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method:

Prep Method:

1613B

Method Sep Funnel/Jar

Units:

pg/L

Basis:

NA 783292

Analysis Lot:

Lab Control Sample EQ2200485-05 **Duplicate Lab Control Sample**

EQ2200485-06

							% Rec		
Analyte Name	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	Limits	RPD	RPD Limit
1,2,3,4,6,7,8-HpCDD	849	1000	85	833	1000	83	70-140	2	50
1,2,3,4,7,8-HxCDD	956	1000	96	917	1000	92	70-164	4	50
1,2,3,6,7,8-HxCDD	899	1000	90	851	1000	85	76-134	6	50
1,2,3,7,8,9-HxCDD	957	1000	96	910	1000	91	64-162	5	50
1,2,3,7,8-PeCDD	967	1000	97	968	1000	97	70-142	<1	50
2,3,7,8-TCDD	152	200	76	152	200	76	67-158	<1	50
OCDD	1920	2000	96	1870	2000	93	78-144	3	50
1,2,3,4,6,7,8-HpCDF	941	1000	94	935	1000	93	82-122	<1	50
1,2,3,4,7,8,9-HpCDF	845	1000	84	827	1000	83	78-138	2	50
1,2,3,4,7,8-HxCDF	861	1000	86	849	1000	85	72-134	1	50
1,2,3,6,7,8-HxCDF	953	1000	95	947	1000	95	84-130	<1	50
1,2,3,7,8,9-HxCDF	916	1000	92	899	1000	90	78-130	2	50
1,2,3,7,8-PeCDF	890	1000	89	884	1000	88	80-134	<1	50
2,3,4,6,7,8-HxCDF	808	1000	81	782	1000	78	70-156	3	50
2,3,4,7,8-PeCDF	975	1000	97	925	1000	92	68-160	5	50
2,3,7,8-TCDF	167	200	84	160	200	80	75-158	5	50
OCDF	1810	2000	91	1720	2000	86	63-170	5	50

Analytical Report

Client:

ALS Environmental - Holland (MI)

Service Request: E2200961

Project:

22090994

Date Collected: NA

Sample Matrix:

Water

Date Received: NA

Sample Name:

Lab Control Sample

Units: pg/L

Lab Code:

EQ2200485-05

Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method:

1613B

Date Analyzed: 10/29/22 00:00

Prep Method:

Method Sep Funnel/Jar

Date Extracted: 10/24/22

Sample Amount:

1000mL

Instrument Name: E-HRMS-08

GC Column: DB-5MSUI

Data File Name:

P632737

Blank File Name: P632729

ICAL Date:

03/15/22

Cal Ver. File Name: P632727

				Ion		Dilution
Analyte Name	Result (Q EDL	MRL	Ratio	RRT	Factor
2,3,7,8-TCDD	152	1.45	5.00	0.83	1.001	1
1,2,3,7,8-PeCDD	967	0.323	25.0	1.56	1.001	1
1,2,3,4,7,8-HxCDD	956	0.124	25.0	1.24	1.000	1
1,2,3,6,7,8-HxCDD	899	0.108	25.0	1.26	1.000	1
1,2,3,7,8,9-HxCDD	957	0.111	25.0	1.25	1.008	1
1,2,3,4,6,7,8-HpCDD	849	0.178	25.0	1.01	1.000	1
OCDD	1920	5.88	50.0	0.88	1.000	1
2,3,7,8-TCDF	167	0.803	5.00	0.73	1.001	1
1,2,3,7,8-PeCDF	890	0.498	25.0	1.53	1.001	1
2,3,4,7,8-PeCDF	975	0.486	25.0	1.56	1.000	1
1,2,3,4,7,8-HxCDF	861	0.255	25.0	1,22	1.000	1
1,2,3,6,7,8-HxCDF	953	0.271	25.0	1.23	1.000	1
1,2,3,7,8,9-HxCDF	916	0.306	25.0	1.19	1.000	1
2,3,4,6,7,8-HxCDF	808	0.221	25.0	1.22	1.000	1
1,2,3,4,6,7,8-HpCDF	941	1.71	25.0	1.00	1.000	1
1,2,3,4,7,8,9-HpCDF	845	1.99	25.0	1.01	1.000	1
OCDF	1810	0.918	50.0	0.89	1.004	1

Analytical Report

Client:

ALS Environmental - Holland (MI)

Service Request: E2200961

Project:

22090994

Date Collected: NA

Sample Matrix:

Water

Date Received: NA

Sample Name:

Lab Control Sample

Units: pg/L

Lab Code:

EQ2200485-05

Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method:

1613B

Date Analyzed: 10/29/22 00:00

Prep Method:

Method Sep Funnel/Jar

Date Extracted: 10/24/22

Sample Amount:

1000mL

Instrument Name: E-HRMS-08

GC Column: DB-5MSUI

Data File Name:

P632737

Blank File Name: P632729

ICAL Date:

03/15/22

Cal Ver. File Name: P632727

					Ion		Dilution
Analyte Name	Result	Q	EDL	MRL	Ratio	RRT	Factor
Total Tetra-Dioxins	152		1.45	5.00	0.83		1
Total Penta-Dioxins	967		0.323	25.0	1.56		1
Total Hexa-Dioxins	2810		0.113	25.0	1.24		1
Total Hepta-Dioxins	849		0.178	25.0	1.01		1
Total Tetra-Furans	167		0.803	5.00	0.73		1
Total Penta-Furans	1860		0.492	25.0	1.53		1
Total Hexa-Furans	3540		0.260	25.0	1.22		1
Total Hepta-Furans	1790		1.84	25.0	1.00		1

Analytical Report

Client:

ALS Environmental - Holland (MI)

Service Request: E2200961

Project:

22090994

Date Collected: NA

Sample Matrix:

Water

Date Received: NA

Sample Name:

Lab Control Sample

Units: Percent

Lab Code:

EQ2200485-05

Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method:

1613B

Date Analyzed: 10/29/22 00:00

Prep Method:

Method Sep Funnel/Jar

Date Extracted: 10/24/22

Sample Amount:

1000mL

Instrument Name: E-HRMS-08

GC Column: DB-5MSUI

Data File Name: ICAL Date:

P632737

Blank File Name: P632729 Cal Ver. File Name: P632727

03/15/22

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	1258.283	63		25-164	0.77	1.032
13C-1,2,3,7,8-PeCDD	2000	1437.268	72		25-181	1.61	1.282
13C-1,2,3,4,7,8-HxCDD	2000	1326.166	66		32-141	1.23	0.990
13C-1,2,3,6,7,8-HxCDD	2000	1527.646	76		28-130	1.26	0.993
13C-1,2,3,4,6,7,8-HpCDD	2000	1449.446	72		23-140	1.04	1.075
13C-OCDD	4000	3131.600	78		17-157	0.89	1.145
13C-2,3,7,8-TCDF	2000	1097.920	55		24-169	0.79	0.990
13C-1,2,3,7,8-PeCDF	2000	1395.250	70		24-185	1.58	1.222
13C-2,3,4,7,8-PeCDF	2000	1351.820	68		21-178	1.60	1.269
13C-1,2,3,4,7,8-HxCDF	2000	1312.733	66		26-152	0.52	0.966
13C-1,2,3,6,7,8-HxCDF	2000	1221.205	61		26-123	0.53	0.969
13C-1,2,3,7,8,9-HxCDF	2000	1283.739	64		29-147	0.51	1.009
13C-2,3,4,6,7,8-HxCDF	2000	1519.350	76		28-136	0.51	0.986
13C-1,2,3,4,6,7,8-HpCDF	2000	1241.006	62		28-143	0.43	1.048
13C-1,2,3,4,7,8,9-HpCDF	2000	1327.794	66		26-138	0.43	1.087
37Cl-2,3,7,8-TCDD	800	352.823	44		35-197	NA	1.033

Analytical Report

Client:

ALS Environmental - Holland (MI)

Service Request: E2200961

Project:

22090994

EQ2200485-06

Date Collected: NA

Sample Matrix:

Water

Date Received: NA

Sample Name: Lab Code:

Duplicate Lab Control Sample

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method:

1613B

Date Analyzed: 10/29/22 00:50

Units: pg/L

Basis: NA

Prep Method:

Method Sep Funnel/Jar

Date Extracted: 10/24/22

Sample Amount:

1000mL

Instrument Name: E-HRMS-08

Data File Name:

GC Column: DB-5MSUI

P632738

Blank File Name: P632729

ICAL Date:

03/15/22

Cal Ver. File Name: P632727

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	152		2.12	5.00	0.73	1.001	1
1,2,3,7,8-PeCDD	968		0.437	25.0	1.56	1.001	1
1,2,3,4,7,8-HxCDD	917		0.286	25.0	1.23	1.000	1
1,2,3,6,7,8-HxCDD	851		0.266	25.0	1.25	1.000	1
1,2,3,7,8,9-HxCDD	910		0.265	25.0	1.24	1.008	1
1,2,3,4,6,7,8-HpCDD	833		0.545	25.0	1.04	1.000	1
OCDD	1870		2.83	50.0	0.88	1.000	1
2,3,7,8-TCDF	160		1.10	5.00	0.74	1.001	1
1,2,3,7,8-PeCDF	884		1.09	25.0	1.60	1.001	1
2,3,4,7,8-PeCDF	925		1.04	25.0	1.59	1.001	1
1,2,3,4,7,8-HxCDF	849		0.212	25.0	1.21	1.000	1
1,2,3,6,7,8-HxCDF	947		0.240	25.0	1.24	1.000	1
1,2,3,7,8,9-HxCDF	899		0.258	25.0	1.28	1.000	1
2,3,4,6,7,8-HxCDF	782		0.189	25.0	1.25	1.000	1
1,2,3,4,6,7,8-HpCDF	935		1.68	25.0	1.02	1.000	1
1,2,3,4,7,8,9-HpCDF	827		1.85	25.0	1.00	1.000	1
OCDF	1720		0.927	50.0	0.90	1.004	1

Analytical Report

Client:

ALS Environmental - Holland (MI)

Service Request: E2200961

Project:

22090994

Date Collected: NA

Sample Matrix:

Water

Date Received: NA

Sample Name:

Duplicate Lab Control Sample

Units: pg/L Basis: NA

Lab Code:

EQ2200485-06

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method:

1613B

Date Analyzed: 10/29/22 00:50

Prep Method:

Method Sep Funnel/Jar

Date Extracted: 10/24/22

Sample Amount:

1000mL

Instrument Name: E-HRMS-08

GC Column: DB-5MSUI

Data File Name: **ICAL Date:**

P632738

Blank File Name: P632729

03/15/22

Cal Ver. File Name: P632727

					Ion		Dilution
Analyte Name	Result	Q	EDL	MRL	Ratio	RRT	Factor
Total Tetra-Dioxins	152		2.12	5.00	0.73		1
Total Penta-Dioxins	970		0.437	25.0	1.56		1
Total Hexa-Dioxins	2680		0.272	25.0	1.23		1
Total Hepta-Dioxins	833		0.545	25.0	1.04		1
Total Tetra-Furans	160		1.10	5.00	0.74		1
Total Penta-Furans	1810		1.07	25.0	1.38		1
Total Hexa-Furans	3480		0.222	25.0	1.21		1
Total Hepta-Furans	1760		1.76	25.0	1.02		1

Analytical Report

Client:

ALS Environmental - Holland (MI)

Service Request: E2200961

Project:

22090994

Date Collected: NA

Sample Matrix:

Water

Date Received: NA

Sample Name:

Duplicate Lab Control Sample

Units: Percent

Lab Code:

EQ2200485-06

Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method:

1613B

Date Analyzed: 10/29/22 00:50

Prep Method:

Method Sep Funnel/Jar

Date Extracted: 10/24/22

Sample Amount:

1000mL

Instrument Name: E-HRMS-08

GC Column: DB-5MSUI

Data File Name: ICAL Date:

P632738

Blank File Name: P632729

03/15/22

Cal Ver. File Name: P632727

Labeled Standard Results

	Spike	Conc.	a/ 75		Control	Ion	DD7
Labeled Compounds	Conc.(pg)	Found (pg)	% Rec	Q	Limits	Ratio	RRT
13C-2,3,7,8-TCDD	2000	1387.269	69		25-164	0.79	1.031
13C-1,2,3,7,8-PeCDD	2000	1379.722	69		25-181	1.62	1.281
13C-1,2,3,4,7,8-HxCDD	2000	1335.863	67		32-141	1.27	0.990
13C-1,2,3,6,7,8-HxCDD	2000	1578.544	79		28-130	1.25	0.993
13C-1,2,3,4,6,7,8-HpCDD	2000	1540.140	77		23-140	1.07	1.075
13C-OCDD	4000	3566.951	89		17-157	0.88	1.145
13C-2,3,7,8-TCDF	2000	1284.650	64		24-169	0.77	0.990
13C-1,2,3,7,8-PeCDF	2000	1411.015	71		24-185	1.58	1.221
13C-2,3,4,7,8-PeCDF	2000	1359.272	68		21-178	1.57	1,268
13C-1,2,3,4,7,8-HxCDF	2000	1317.886	66		26-152	0.52	0.966
13C-1,2,3,6,7,8-HxCDF	2000	1194.414	60		26-123	0.52	0.969
13C-1,2,3,7,8,9-HxCDF	2000	1290.898	65		29-147	0.51	1.009
13C-2,3,4,6,7,8-HxCDF	2000	1527.640	76		28-136	0.51	0.986
13C-1,2,3,4,6,7,8-HpCDF	2000	1283.922	64		28-143	0.43	1.048
13C-1,2,3,4,7,8,9-HpCDF	2000	1422.116	71		26-138	0.44	1.087
37Cl-2,3,7,8-TCDD	800	377.014	47		35-197	NA	1.032