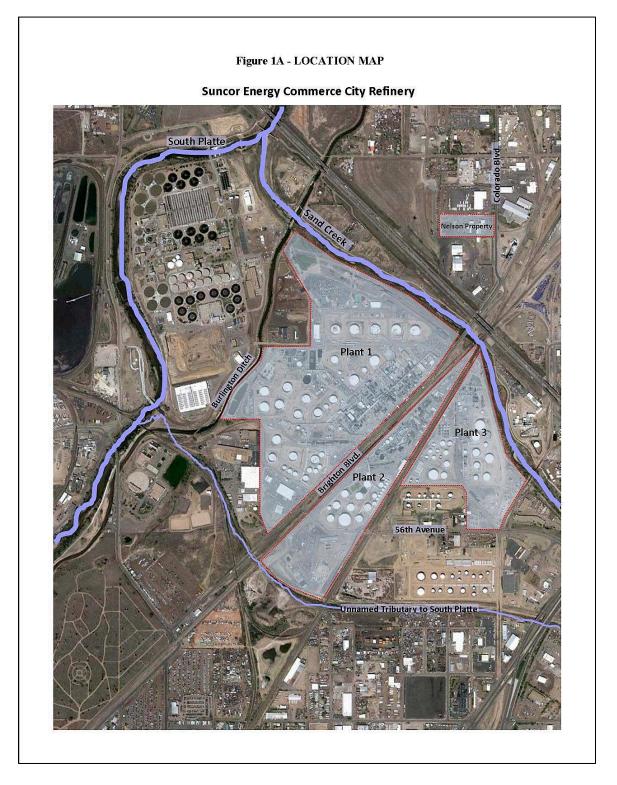
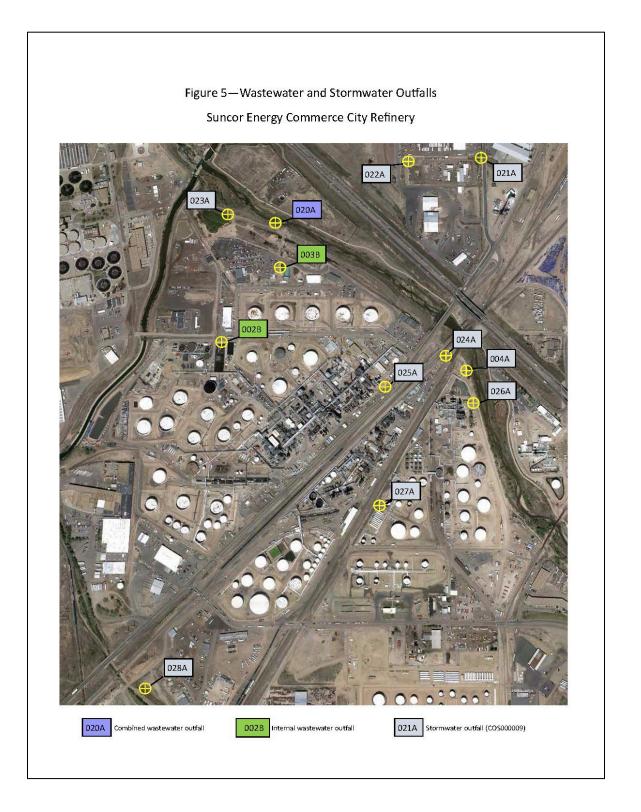
ncor Commerce Ci mpliance Evaluation					
			DE 10	• . •	
	F	Appendix	B Exhib	oit Log	

	uation Inspecti	ion Appendix B	<u> </u>		
E	xhibit 1	- SWMP	Figure 1A	- Locatio	n Map
					_

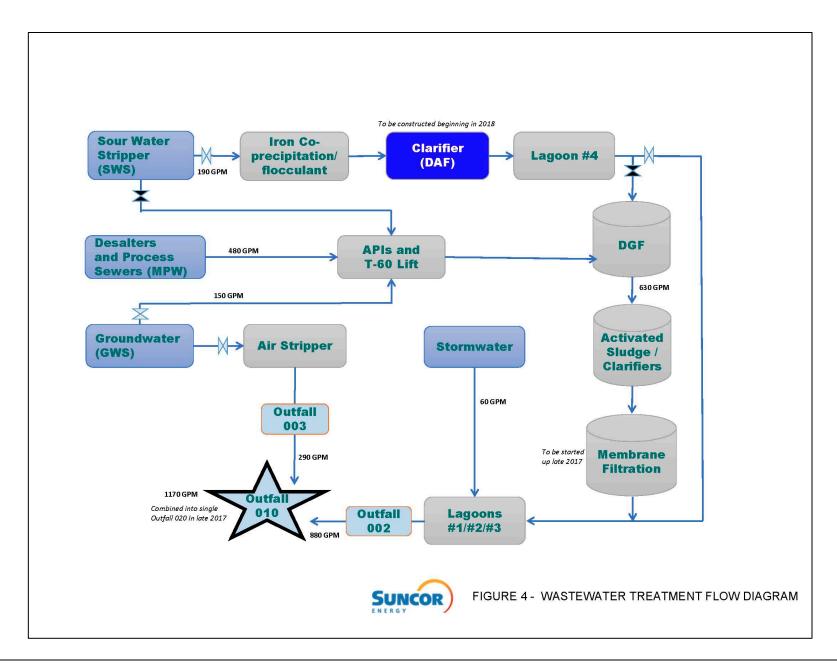


Inspection Dates: June 22-24, 2021

uncor Commerc Compliance Eval	uation Inspection	Appendix B			
1	1	11			
Exhibit	2 - Figure	5 – Wastev	vater and S	Stormwater	Outfalls



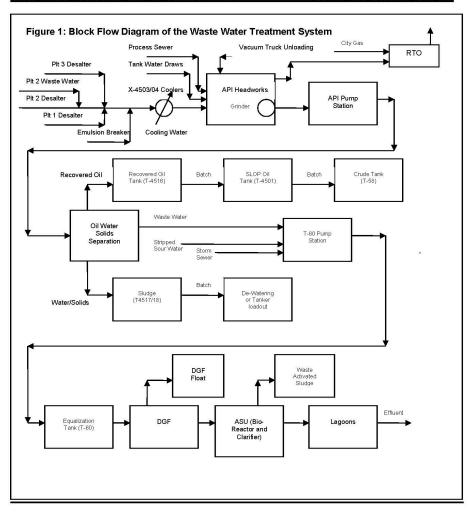
	on Inspection Appendix B
Exhibit 3	Figure 4 – Wastewater Treatment Flow Diagram
	Tigure I William I I women to W Bright



	on Inspection Appendix l		
Exhibit 4 -	Figure 1 - Rloc	k Flow Diagram	of the Wastewater
	riguit i - Divt	n riuw Diaziaiii	VI LIIC VV ASLC WALCI
			of the wastewater
		tment System	of the wastewater
			of the wastewater

SECTION 1.1 PROCESS SAFETY MANAGEMENT PROCESS TECHNOLOGY PROCESS DESCRIPTION

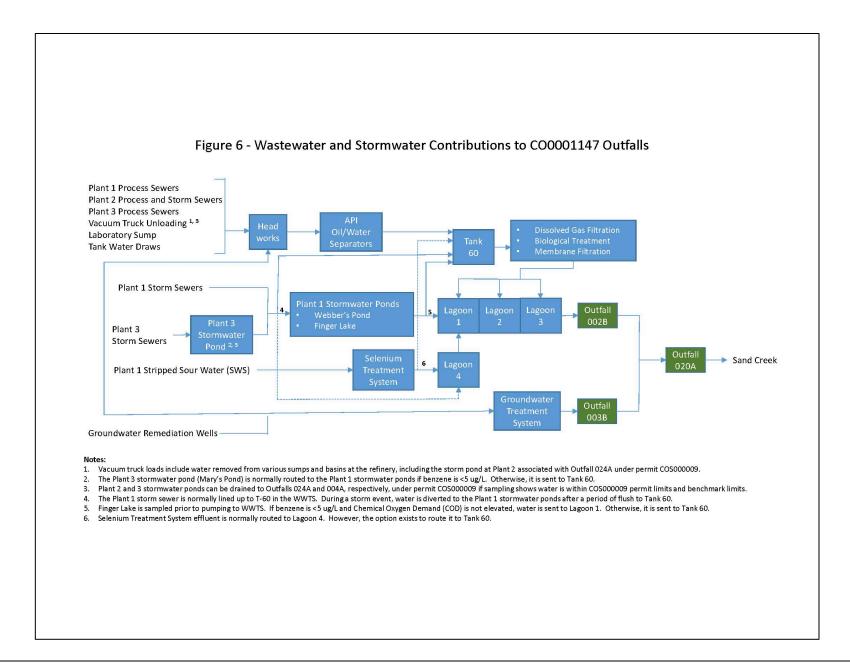
WATER POLLUTION ABATEMENT - UNIT 045 COMMERCE CITY REFINERY



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Exhibit 5 - Figure 6 - Wastewater and Stormwater Contributions to CO0001147 Outfalls



Suncor Commerce City Refinery (CO0001147) Compliance Evaluation Inspection Appendix B
Exhibit 6 - Technology Laboratories Inc DMR QA Study
Results

ADSUIGLEC	arade PT Pro	ogram	NELAC-TNI PTP16	5			PT	Evaluation	on Repo	rt P	age 1 of 1
echnology Labor yan Anderson Lab 012 Centre Avenu ort Collins CO 805.	Manager 970-490-141 e		count # 212			U	Study	ID CO00064 # QTA pe External P		NPDES ID # Open Date Close Date	03/06/2020
NELAC #	Component	Method Code	Method Description		ported /alue	AV or StudyMean	Assigned Value	Acceptance Low	e Limits High	Performance Evaluation	Analysis Date
Part# 55085	Lot# 053119	Solids (Total Solid	s, TSS, & TDS)	DMRQ	QA AC			Invoice	e# 18876	7 Units m g	J/L
1950 Total Solid	ds					485	485	437	534	NOT REPORTED	
1955 Total Diss	solved Solids (TDS)	7290	SM 2540 C-97		572	418	418	373	463	NOT ACCEPT.	03/23/2020
1960 Total Sus	pended Solids (TSS)					67.8	67.8	54.5	76.2	NOT REPORTED	ĺ
Part# 55144	Lot#020420	WP Minerals #1 _ [OMROA					Invoice	# 18876	7 Units m	1/1
Part# 55144 1035 Calcium	Lot# 020420	WP Minerals #1 - [DMRQA EPA 200.7-1994		46.9		55.6	47.3	63.9	NOT ACCEPT.	03/16/2020
1035 Calcium 1575 Chloride		1601	EPA 200.7-1994			180	180	47.3 159	63.9	NOT ACCEPT.	03/16/2020
1035 Calcium 1575 Chloride 1755 Total Hard	dness (CaCO3)	7270	EPA 200.7-1994 SM 2340 B (1997)		220	180 256	180 256	47.3 159 218	63.9 202 294	NOT ACCEPT. NOT REPORTED ACCEPT.	03/16/2020 3/16/2020
1035 Calcium 1575 Chloride 1755 Total Hard 1085 Magnesium	dness (CaCO3)	1601	EPA 200.7-1994			180 256 28.4	180	47.3 159	63.9	NOT ACCEPT. NOT REPORTED ACCEPT. ACCEPT.	03/16/2020
1035 Calcium 1575 Chloride 1755 Total Hard 1085 Magnesium	dness (CaCO3)	7270 1601	EPA 200.7-1994 SM 2340 B (1997) EPA 200.7-1994 SM 2340 B (1997)		220 24.9	180 256 28.4	180 256 28.4	47.3 159 218 24.1 118	63.9 202 294 32.7	NOT ACCEPT. NOT REPORTED ACCEPT. ACCEPT. NOT ACCEPT.	03/16/2020 3/16/2020 03/16/2020 03/16/2020
1035 Calcium 1575 Chloride 1755 Total Hard 1085 Magnesium 1550 Calcium H Part# 55145	dness (CaCO3) m lardness (CaCO3)	7270 1601 7270	EPA 200.7-1994 SM 2340 B (1997) EPA 200.7-1994 SM 2340 B (1997)		220 24.9	180 256 28.4 139	180 256 28.4 139	47.3 159 218 24.1 118 Invoice	63.9 202 294 32.7 160 e# 18876 39.7	NOT ACCEPT. NOT REPORTED ACCEPT. ACCEPT. NOT ACCEPT. Voits mg NOT ACCEPT.	03/16/2020 3/16/2020 03/16/2020 03/16/2020 1/L
1035 Calcium 1575 Chloride 1755 Total Hard 1085 Magnesium 1550 Calcium H Part# 55145 1505 Total Alka 1730 Fluoride	dness (CaCO3) m lardness (CaCO3) Lot#022120 alinity (CaCO3)	7270 1601 7270 WP Minerals #2 - I	EPA 200.7-1994 SM 2340 B (1997) EPA 200.7-1994 SM 2340 B (1997) DMRQA SM 2320 B (1997)		220 24.9 117	180 256 28.4 139 34.5 0.746	180 256 28.4 139 34.5 .746	47.3 159 218 24.1 118 Invoice 29.3 .551	63.9 202 294 32.7 160 e# 18876 39.7	NOT ACCEPT. NOT REPORTED ACCEPT. ACCEPT. NOT ACCEPT. Voits mg NOT ACCEPT. NOT REPORTED	03/16/2020 3/16/2020 03/16/2020 03/16/2020 03/12/2020
1035 Calcium 1575 Chloride 1755 Total Hard 1085 Magnesium 1550 Calcium H Part#55145 1505 Total Alka 1730 Fluoride 1125 Potassium	dness (CaCO3) m lardness (CaCO3) Lot#022120 alinity (CaCO3)	7270 1601 7270 WP Minerals #2 - I 7265	EPA 200.7-1994 SM 2340 B (1997) EPA 200.7-1994 SM 2340 B (1997) MRQA SM 2320 B (1997) EPA 200.7-1994		220 24.9 117 146	180 256 28.4 139 34.5 0.746 16.3	180 256 28.4 139 34.5 .746 16.3	47.3 159 218 24.1 118 Invoice 29.3 .551	63.9 202 294 32.7 160 e# 18876 39.7 .935	NOT ACCEPT. NOT REPORTED ACCEPT. ACCEPT. NOT ACCEPT. VOITES MY NOT ACCEPT. NOT ACCEPT. NOT ACCEPT. NOT ACCEPT.	03/16/2020 3/16/2020 03/16/2020 03/16/2020 03/1 2/2020 03/16/2020
1035 Calcium 1575 Chloride 1755 Total Hard 1085 Magnesium 1550 Calcium H Part# 55145 1505 Total Alka 1730 Fluoride	dness (CaCO3) m lardness (CaCO3) Lot#022120 alinity (CaCO3)	7270 1601 7270 WP Minerals #2 - I	EPA 200.7-1994 SM 2340 B (1997) EPA 200.7-1994 SM 2340 B (1997) DMRQA SM 2320 B (1997)		220 24.9 117	180 256 28.4 139 34.5 0.746 16.3	180 256 28.4 139 34.5 .746	47.3 159 218 24.1 118 Invoice 29.3 .551	63.9 202 294 32.7 160 e# 18876 39.7 .935 19.6 20.2	NOT ACCEPT. NOT REPORTED ACCEPT. ACCEPT. NOT ACCEPT. OUT ACCEPT. NOT ACCEPT. NOT ACCEPT. NOT ACCEPT. NOT ACCEPT.	03/16/2020 3/16/2020 03/16/2020 03/16/2020 03/12/2020 03/16/2020 03/16/2020

ABSOLUTE STANDARDS, INC., ISO 9001 Registered, (NSF) PO BOX 5585, HAMDEN,CT 06518, PHONE (203) 281-2917, FAX (203) 281-2922 (203) 281-2922 [This Form: Performance Evaluation Report Form, Rev:5, Date Issued:11162010] [This Report: 212 WP 032320,pdf, Page 1 of 1 Printed: 3/23/2020,3:37:21 PM] Samples were prepared and scored according to the principles outlined in the "The TNI Standard EL-V3-2009" and the current Fields of Proficiency Testing Tables, FOPTs.

All components are formulated and verified under Absolutes' NELAC scope ANAB Accreditation ISO 17043 (Cert.# AP-1543) as shown in blue font.

This report may be used in whole or in part by the participant. All results are confidential but limited to accreditation body or other participant requests!

AbsoluteG	rade PT Pro	ogram	NELAC-TNI PTP1	6			P	T Evaluat	ion Repo	rt	Page 1 of 5
Technology Labora Ryan Anderson Lab 1012 Centre Avenue Fort Collins CO 8052	Manager 970-490-14		count # 212			l	Stud	o ID CO0006 by # 0081 ype WPCHEN		NPDES ID # Open Date Close Date	01/15/202
NELAC #	Component	Method Code	Method Description		Reported Value	AV or StudyMear	Assigned n Value	Acceptan Low	ce Limits High	Performance Evaluation	Analysis Date
Part# 55024	Lot#WP0081	WP & DMRQA Trac	ce Elements	AN	иР 1			Invoi	ce# 18604	1 Units	ıg/L
1000 Aluminum		1601	EPA 200.7-1994		97	0 919	919	749	1076	ACCEPT.	02/03/2020
1010 Arsenic		1601	EPA 200.7-1994		48	2 480	480	401	554	ACCEPT.	02/03/202
1030 Cadmium		1601	EPA 200.7-1994		75	8 700	700	595	805	ACCEPT.	02/03/202
1040 Chromium		1601	EPA 200.7-1994		57	9 560	560	476	644	ACCEPT.	02/03/202
1050 Cobalt		1601	EPA 200.7-1994		47	9 460	460	391	529	ACCEPT.	02/03/202
1055 Copper		1601	EPA 200.7-1994		46	1 430	430	366	495	ACCEPT.	02/03/202
1070 Iron		1601	EPA 200.7-1994		73	7 689	689	586	792	ACCEPT.	02/03/202
1075 Lead		1601	EPA 200.7-1994		24	2 230	230	196	265	ACCEPT.	02/03/202
1090 Manganese	;	1601	EPA 200.7-1994		110	0 1019	1019	866	1172	ACCEPT.	02/03/2020
1095 Mercury		7061	EPA 1631E		15.	1 16.0	16	11.2	20.8	ACCEPT.	02/18/2020
1105 Nickel		1601	EPA 200.7-1994		70	9 679	679	595	768	ACCEPT.	02/03/2020
1140 Selenium		1601	EPA 200.7-1994		37	6 370	370	315	426	ACCEPT.	02/03/2020
1185 Vanadium		1601	EPA 200.7-1994		44	7 410	410	349	472	ACCEPT.	02/03/202
1190 Zinc		1601	EPA 200.7-1994		126	0 1219	1219	1036	1402	ACCEPT.	02/03/2020

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Samples were prepared and scored according to the principles outlined in the "The TNI Standard EL-V3-2009" and the current Fields of Proficiency Testing Tables, FoPTs.

All components are formulated and verified under Absolutes' NELAC scope ANAB Accreditation ISO 17043 (Cert.# AP-1543) as shown in blue font.

This report may be used in whole or in part by the participant. All results are confidential but limited to accreditation body or other participant requests!

AbsoluteGı	rade PT Pro	ogram	NELAC-TNI PTP1	6			PI	Fevaluation	on Repo	rt	Page 2 of 5
Technology Laborat		•	ccount # 212			U	SEPA Lab	ID CO00064		NPDES ID #	
Ryan Anderson Lab M	lanager 970-490-14	14						# 0081		Open Date	01/15/202
1012 Centre Avenue Fort Collins CO 80526							Study Ty	pe WPCHEM		Close Date	02/29/202
NELAC		Method	Method		Reported	AV or	Assigned	Acceptanc	e Limits	Performance	Analysis
#	Component	Code	Description		Value	StudyMean		Low	High	Evaluation	Date
Part# 55024	Lot#WP0081	WP & DMRQA Tra	ce Elements	AN	1P 1			Invoice	# 18604	1 Units u	ıg/L
1000 Aluminum		1605	EPA 200.8-1994		98	919	919	749	1076	ACCEPT.	01/30/202
1010 Arsenic		1605	EPA 200.8-1994		477	480	480	401	554	ACCEPT.	01/30/202
1030 Cadmium		1605	EPA 200.8-1994		728	700	700	595	805	ACCEPT.	01/30/202
1040 Chromium		1605	EPA 200.8-1994		59	560	560	476	644	ACCEPT.	01/30/202
1050 Cobalt		1605	EPA 200.8-1994		483	460	460	391	529	ACCEPT.	01/30/20
1055 Copper		1605	EPA 200.8-1994		459	430	430	366	495	ACCEPT.	01/30/20
1070 Iron		8493	EPA 6020A-2007		704	689	689	586	792	ACCEPT.	01/30/20
1075 Lead		1605	EPA 200.8-1994		21	230	230	196	265	ACCEPT.	01/30/20
1090 Manganese		1605	EPA 200.8-1994		1034	1019	1019	866	1172	ACCEPT.	01/30/20
1095 Mercury		1605	EPA 200.8-1994		16.2	16.0	16	11.2	20.8	ACCEPT.	02/11/20
1105 Nickel		1605	EPA 200.8-1994		719	679	679	595	768	ACCEPT.	01/30/20
1140 Selenium		1605	EPA 200.8-1994		35	370	370	315	426	ACCEPT.	01/30/20
1185 Vanadium		1605	EPA 200.8-1994		459	410	410	349	472	ACCEPT.	01/30/20
1190 Zinc		1605	EPA 200.8-1994		1130	1219	1219	1036	1402	ACCEPT.	01/30/20
Part# 55025	Lot# WP0081	WP Trace Elemen	ts - DMRQA	AN	1P 2			Invoice	e# 18604	1 Units u	ıg/L
1005 Antimony						510	510	412	592	NOT REPORTE	ED
1020 Beryllium		1601	EPA 200.7-1994		110	98.9	98.9	84.1	114	ACCEPT.	02/03/20
1100 Molybdenun	n	1601	EPA 200.7-1994		147	140	140	116	162	ACCEPT.	02/03/20
1160 Strontium						350	350	298	403	NOT REPORTE	ED
1165 Thallium						120	120	88.3	148	NOT REPORTE	ED
1180 Titanium						110	110	93.5	127	NOT REPORTE	ED
1150 Silver		1601	EPA 200.7-1994		47	430	430	366	495	ACCEPT.	02/03/20
1015 Barium		1601	EPA 200.7-1994		196	170	170	145	196	ACCEPT.	02/03/20
1025 Boron						1289	1289	1096	1/102	NOT REPORTE	-ni

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Samples were prepared and scored according to the principles outlined in the "The TNI Standard EL-V3-2009" and the current Fields of Proficiency Testing Tables, FoPTs. All components are formulated and verified under Absolutes' NELAC scope ANAB Accreditation ISO 17043 (Cert.# AP-1543) as shown in blue font.

apsoluteG	rade PT Pro	ogram	NELAC-TNI PTP16			P	Γ Evaluati	on Repo	rt l	Page 3 of
echnology Labora	tories Inc		Account # 212		l	JSEPA Lab	ID CO0006 4	4	NPDES ID #	
	Manager 970-490-141	14					# 0081		Open Date	01/15/2
012 Centre Avenue ort Collins CO 80526	e					Study Ty	pe WPCHEM		Close Date	02/29/2
NELAC		Metho	d Method	Reported	AV or	Assigned	Acceptano	e Limits	Performance	Analys
#	Component	Code	Description	Value	StudyMear		Low	High	Evaluation	Date
Part# 55025	Lot# WP0081	WP Trace Elem	ents - DMRQA	AMP 2			Invoic	e# 18604	1 Units u	g/L
1005 Antimony		1605	EPA 200.8-1994	53	0 510	510	412	592	ACCEPT.	02/11/2
1020 Beryllium		1605	EPA 200.8-1994	11	2 98.9	98.9	84.1	114	ACCEPT.	02/11/2
1100 Molybdenur	m	1605	EPA 200.8-1994	14	9 140	140	116	162	ACCEPT.	02/11/2
1160 Strontium					350	350	298	403	NOT REPORTE	D
1165 Thallium					120	120	88.3	148	NOT REPORTE	D
1180 Titanium					110	110	93.5	127	NOT REPORTE	D
1150 Silver		1605	EPA 200.8-1994	42	8 430	430	366	495	ACCEPT.	02/11/2
1015 Barium		1605	EPA 200.8-1994	18	3 170	170	145	196	ACCEPT.	02/11/
										_
1025 Boron			0.0500 DUDO.	0.05.0	1289	1289	1096		NOT REPORTE	-1
1025 Boron Part# 55026	Lot# WP0081		ce @ 25°C - DMRQA	@ 25 C			Invoic	e# 18604	1 Units u	mhos/cm
1025 Boron Part# 55026	Lot# WP0081 nductance @ 25 C	WP Conductano	ce @ 25°C - DMRQA EPA 120.1	@ 25 C		1289 575			1 Units u	mhos/cm
			EPA 120.1				Invoic 518	e# 18604	1 Units u	mhos/cm 02/24/2
Part# 55026 1610 Specific Col Part# 55035 1515 Ammonia a	nductance @ 25 C Lot#WP0081 s N	3 WP & DMRQA N 7231	EPA 120.1 Nutrients SM 4500-NH3 F-1994	Inorganic 9.2	8 575	575 9.34	Invoic 518 Invoic 7.42	e# 18604 633 e# 18604 11.2	1 Units unit	mhos/cm 02/24/2 02/24/2 01/22/2
Part# 55026 1610 Specific Co Part# 55035 1515 Ammonia a 1810 Nitrate as N	Lot#WP0081	3 WP & DMRQA N 7231 415	EPA 120.1 Nutrients SM 4500-NH3 F-1994 EPA 300.1	58 Inorganic 9.2 5.2	8 575 0 9.34 7 6.13	9.34 6.13	Invoic 518 Invoic 7.42 4.99	e# 18604 633 e# 18604 11.2 7.24	1 Units un ACCEPT. 1 Units m ACCEPT. ACCEPT.	mhos/cm 02/24/2 ng/L 01/22/2 01/29/2
Part# 55026 1610 Specific Co Part# 55035 1515 Ammonia a 1810 Nitrate as N	Lot#WP0081	3 WP & DMRQA N 7231	EPA 120.1 Nutrients SM 4500-NH3 F-1994	Inorganic 9.2	8 575 0 9.34 7 6.13	575 9.34	Invoic 518 Invoic 7.42	e# 18604 633 e# 18604 11.2	1 Units un ACCEPT. 1 Units m ACCEPT. ACCEPT.	mhos/cm 02/24/2 ng/L 01/22/2 01/29/2
1025 Boron Part#55026 1610 Specific Col Part#55035 1515 Ammonia a 1810 Nitrate as N 1870 Orthophosp	Lot#WP0081	3 WP & DMRQA N 7231 415	EPA 120.1 Nutrients SM 4500-NH3 F-1994 EPA 300.1 EPA 300.1	58 Inorganic 9.2 5.2	8 575 0 9.34 7 6.13	9.34 6.13	Invoic 518 Invoic 7.42 4.99 3.36	e# 18604 633 e# 18604 11.2 7.24	1 Units unit	mhos/cm 02/24/2 ng/L 01/22/2 01/29/2 02/12/2
1025 Boron Part#55026 1610 Specific Col Part#55035 1515 Ammonia a 1810 Nitrate as N 1870 Orthophosp Part#55038	Lot#WP0081 s N N Ohate as P Lot#WP0081	7231 415 415	EPA 120.1 Nutrients SM 4500-NH3 F-1994 EPA 300.1 EPA 300.1	58 Inorganic 9.2 5.2	8 575 0 9.34 7 6.13	9.34 6.13	Invoic 518 Invoic 7.42 4.99 3.36	e# 18604 633 e# 18604 11.2 7.24 4.54 e# 18604	1 Units unit	mhos/cm 02/24/2 ng/L 01/22/2 01/29/2 02/12/2
1025 Boron Part#55026 1610 Specific Col Part#55035 1515 Ammonia a 1810 Nitrate as N 1870 Orthophosp Part#55038 1905 Total Pheno	Lot#WP0081 s N N Ohate as P Lot#WP0081	7231 415 415	EPA 120.1 Nutrients SM 4500-NH3 F-1994 EPA 300.1 EPA 300.1 Total Phenolics	58 Inorganic 9.2 5.2	0 9.34 7 6.13 9 3.95	9.34 6.13 3.95	Invoic 518 Invoic 7.42 4.99 3.36 Invoic	e# 18604 633 e# 18604 11.2 7.24 4.54 e# 18604	1 Units unit	mhos/cm 02/24/2 ng/L 01/22/2 01/29/2 02/12/2 ng/L
1025 Boron Part# 55026 1610 Specific Col Part# 55035 1515 Ammonia a 1810 Nitrate as N 1870 Orthophosp Part# 55038 1905 Total Pheno Part# 55055	Lot#WP0081 Is N N Othate as P Lot#WP0081 Lot#WP0081 Lot#WP0081	3 WP & DMRQA N 7231 415 415 415 WP & DMRQA T	EPA 120.1 Nutrients SM 4500-NH3 F-1994 EPA 300.1 EPA 300.1 Total Phenolics	58 Inorganic 9.2 5.2 4.1	9.34 7 6.13 9 3.95 0,568	9.34 6.13 3.95	Invoic 518 Invoic 7.42 4.99 3.36 Invoic	e# 18604 633 e# 18604 11.2 7.24 4.54 e# 18604 .856	1 Units unit	mhos/cm 02/24/2 ng/L 01/22/2 01/29/2 02/12/2 ng/L D
Part# 55035 1515 Ammonia a 1810 Nitrate as N 1870 Orthophosp Part# 55038 1905 Total Phenomerate	Lot#WP0081 sis N N Shate as P Lot#WP0081 Dilics Lot#WP0081	3 WP & DMRQA N 7231 415 415 WP & DMRQA T	EPA 120.1 Nutrients SM 4500-NH3 F-1994 EPA 300.1 EPA 300.1 Total Phenolics Demands	58 Inorganic 9.2 5.2 4.1 TOC,COD,BO	9.34 7 6.13 9 3.95 0,568	9.34 6.13 3.95	Invoic 518 Invoic 7.42 4.99 3.36 Invoic .279	e# 18604 633 e# 18604 11.2 7.24 4.54 e# 18604 .856 e# 18604	1 Units un ACCEPT. 1 Units m ACCEPT. ACCEPT. ACCEPT. ACCEPT. 1 Units m NOT REPORTE	mhos/cm 02/24/2 0g/L 01/22/2 01/29/2 02/12/2 02/12/2 0g/L 02/17/2
1025 Boron Part#55026 1610 Specific Col Part#55035 1515 Ammonia a 1810 Nitrate as N 1870 Orthophosp Part#55038 1905 Total Pheno Part#55055 1530 S-Day BOD 1555 Carbonaced	Lot#WP0081 sis N N Shate as P Lot#WP0081 Dilics Lot#WP0081	3 WP & DMRQA N 7231 415 415 WP & DMRQA T	EPA 120.1 Nutrients SM 4500-NH3 F-1994 EPA 300.1 EPA 300.1 Total Phenolics Demands	58 Inorganic 9.2 5.2 4.1 TOC,COD,BO	0 9.34 7 6.13 9 3.95 0,CBOD	9.34 6.13 3.95	Invoic 518 Invoic 7.42 4.99 3.36 Invoic .279 Invoic 69.3	e# 18604 633 e# 18604 11.2 7.24 4.54 e# 18604 .856 e# 18604	1 Units unit	mhos/cm 02/24/2 02/24/2 01/22/2 01/29/2 02/12/2 02/12/2 0g/L 02/17/2

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AbsoluteGi	rade PT Pro	ogram	NELAC-TNI PTP16				PT	Evaluation	n Repoi	rt	Page 4 of
echnology Laborat yan Anderson Lab N 012 Centre Avenue ort Collins CO 80526	1anager 970-490-141		Account # 212			U	Study	D CO00064 # 0081 pe WPCHEM		NPDES ID # Open Date Close Date	01/15/20 02/29/20
NELAC #	Component	Method Code	Method Description		Reported Value S	AV or tudyMean	Assigned Value	Acceptance	e Limits High	Performance Evaluation	Analysis Date
Part# 55061	Lot#WP0081	WP pH @ 25°C -	- DMRQA			-		Invoice	# 18604	l Units p	Н
1900 pH		1419	SM 4500-H+-B 2011		7.64	7.67	7.67	7.47	7.87	ACCEPT.	02/03/20
Part# 55062	Lot# WP0081	WP & DMRQA To	otal Residual Chlorine					Invoice	# 18604	l Units m	ng/L
1940 Total Reside	ual Chlorine				Т	0.788	.788	.591	.96	NOT REPORTE	D
1740 Free Chlorin						0.788	.788	.591		NOT REPORTE	_
Part# 55064	Lot# WP0081	WP & DMRQA N	utrients #2	TK	(N / Total P			Invoice	# 186041	l Units m	ng/L
1795 Total Kjelda	hl Nitrogen	7231	SM 4500-NH3 F-1994		3.60	3.64	3.64	2.45	5.07	ACCEPT.	02/17/20
1910 Total Phosp	horus	1601	EPA 200.7-1994		7.10	8.39	8.39	6.99	9.69	ACCEPT.	02/18/20
Part# 55065	Lot# WP0081	WP & DMRQA To	otal Cyanide					Invoice	# 186041	l Units m	ng/L
1645 Total Cyani	de	1407	SM 4500-CN ⁻ E (1992)		0.588	0.601	.601	.391	.811	ACCEPT.	02/10/20
Part# 55084	Lot# WP0081	WP Oil & Grease	e + TPH (n-Hexadecane &	k EP	A Method 16	64 - DMF	RQA	Invoice	# 186041	l Units m	ng/L
1803 Oil & Grease	е	1957	EPA 1664A-1999		41.4	46.5	46.5	29.5	57.1	ACCEPT.	02/24/20
1853 TPH		7144	EPA1664A SGT-HEM (99)		22.2	23.2	23.2	9.18	33.5	ACCEPT.	02/24/20
Part# 55085	Lot# WP0081	Solids (Total So	lids, TSS, & TDS)	D	ARQA			Invoice	# 186041	l Units m	ng/L
1950 Total Solids						586	586	527	645	NOT REPORTE	D
1955 Total Disso		7290	SM 2540 C-97		628	501	501	451	551	NOT ACCEPT	1
1960 Total Suspe	ended Solids (TSS)	7294	SM 2540 D-97		74.0	84.6	84.6	69.3	94	ACCEPT.	01/29/20
Part# 55087	Lot# WP0081	Settleable Solid	s - DMRQA					Invoice	# 186041	l Units m	L/L
	solids (Volumetric)					6.13	6.13	3.92		NOT REPORTE	

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Samples were prepared and scored according to the principles outlined in the "The TNI Standard EL-V3-2009" and the current Fields of Proficiency Testing Tables, FoPTs.
All components are formulated and verified under Absolutes' NELAC scope ANAB Accreditation ISO 17043 (Cert.# AP-1543) as shown in blue font.
This report may be used in whole or in part by the participant. All results are confidential but limited to accreditation body or other participant requests!

bsoluteG	rade PT Pro	ogram	NELAC-TNI PTP1	6			Pī	Evaluation	n Repo	rt	Page 5 of
echnology Labora			Account # 212			11		D CO00064		NPDES ID #	-
	Manager 970-490-14	14	71000dile ii ETE			U	02.712.00	# 0081		Open Date	01/15/20
012 Centre Avenue								pe WPCHEM		Close Date	02/29/20
ort Collins CO 8052	6				D	***		•	11		
IELAC #	Component	Metho Code			Reported Value	AV or StudyMean	Assigned Value	Acceptance Low	High	Performance Evaluation	Analysis Date
Part# 55096	Lot# WP0081	WP Hexavalen	t Chromium - DMRQA	NE	LAC Addition	onal Analyt	es	Invoice	#18604	1 Units u	ıg/L
1045 Chromium	VI					240	240	198	280	NOT REPORT	ED
Part# 55101	Lot# WP0081	WP Turbidity	- DMRQA					Invoice	# 18604	1 Units N	NTU
2055 Turbidity						21.5	21.5	18	25.1	NOT REPORT	ED
Part# 55130	Lot# WP0081	WP Nitrate &	Nitrite - DMRQA	3	Component	s		Invoice	# 18604	1 Units r	ng/L
1840 Nitrite as N		415	EPA 300.1		3.68		3.91	3.4	4.43		01/29/2
1810 Nitrate as I	V	415	EPA 300.1		7.9	4 8.95	8.95	7.38	10.5	ACCEPT.	01/29/2
1820 Nitrite + Ni	trate as N	415	EPA 300.1		11.0	6 12.9	12.9	10.8	14.9	ACCEPT.	01/29/2
Part# 55144	Lot# WP0081	WP Minerals #	1 - DMRQA					Invoice	# 18604	1 Units r	ng/L
1035 Calcium		1601	EPA 200.7-1994		31.	7 39.2	39.2	33.3	45.1	NOT ACCEPT	Г. 02/18/2
1575 Chloride		415	EPA 300.1		130	6 136	136	120	153	ACCEPT.	01/29/2
755 Total Hardr	ness (CaCO3)	7270	SM 2340 B (1997)		154	4 194	194	165	223	NOT ACCEPT	Г. 02/18/2
1085 Magnesium		1601	EPA 200.7-1994		18.2	2 23.2	23.2	19.7	26.7	NOT ACCEPT	Г. 02/18/2
Calcium Ha	rdness (CaCO3)	7270	SM 2340 B (1997)		79.7	97.8	97.8	83.1	112	NOT ACCEPT	Г. 02/18/2
Part# 55145	Lot#WP0081	WP Minerals #	2 - DMRQA					Invoice	# 18604	1 Units r	ng/L
1505 Total Alkali	nity (CaCO3)	7265	SM 2320 B (1997)		51.2	2 41.1	41.1	34.9	47.3	NOT ACCEPT	Г. 02/06/2
1730 Fluoride		415	EPA 300.1		3.33	3.68	3.68	2.98	4.22	ACCEPT.	01/29/2
1125 Potassium		1601	EPA 200.7-1994		18.0	6 24.0	24	19.2	28.8	NOT ACCEPT	Г. 02/18/2
1155 Sodium		1601	EPA 200.7-1994		18.3	3 23.4	23.4	18.7	28.1	NOT ACCEPT	Г. 02/18/2
		415	EPA 300.1	+	25.2	2 29.4	29.4	23.7	34	ACCEPT.	01/29/2

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Suncor Commerce City Refinery (CO0001147)
Compliance Evaluation Inspection Appendix B
Exhibit 7 - Chain-of-Custody Forms and Documentation
Exhibit / Chain of Custody I of his and Documentation

www.techlabusa.com info@techlabusa.com COMPANY NAME Suncor Energy USA Inc							Г	Г			-	ANALYSIS REQUESTED OTI												OTH	IFR		
LOWPANY NAME		Suncor En	nergy US	A Inc		3						6		(0)	T				T		0.8			eg.			LIX
PROJECT MANAGER Brian Lilly/Eric Marler PROJECT NUMBER Quarterly NPDES Water Sampling (2Q2021) PROJECT LOCATION OR NAME Commerce City Refinery SAMPLER'S SIGNATURE			OIL (S) AIR (A) OTHER (O)	ERS			((TOTAL / TCLP)	L/TCLF		DISSOLVE	Paint Filt.	BTEX/TVPH Emissions Vapor			MONIA	3	Dis. Metals (Ur, Ni) by EPA 200.8	Na)		Conductance/Bicarbonate Alkalinity for SAR		SIS	ZE			
			100	ONTAI	/ NA	(0)	& GREASE (HEM)	rotal	4 (тота	TDS	/TCLP/	Corr. / Pa		vity		/ AMI	Nitrate+Nitrite (as N)	l) by l	200.7 (Total Ca, Mg, Na)	rcury	Conductance/Bica Alkalinity for SAR		HOLD AFTER ANALYSIS	HOLD, DON'T ANALYZE			
			-	NUMBER OF CONTAINERS	BTEX / MTBE / NAP	терн (DRO)	REASI		'0 / PA	рн / тรร / трs	(TOTAL	s. / Co	Emis	Conductivity	T0C	ITRITE	+Nitrit	(Ur, 1	otal Ca	1631 LL Mercury	uctanc nity fo	SAR	TER A	ON'T/			
			_	MPLE MATRIX: AQUEOUS (V	NUMB	TEX /	TE	OIL & C	4/82	1 827	pH,	ETALS	Ignit	TVP	S		E/N	trate	Metal	7.7 (Te	1631	Condi		LD A	LD, D		
SA	MPLEID		DATE/	TIME S	AMPLED	SAMP				0	VOC 624 / 8260	SVOC 625 / 8270 / PAH (TOTAL / TCLP)		RCRA 8 METALS (TOTAL / TCLP / DISSOLVED)	React. / Ignite. /	втех,			NITRATE / NITRITE / AMMONIA	Z	Pot. Dis. N	200		Specific		웃	웃
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03 Tr	ip Blank		4/7/	121	0530	W	1																х				
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TURNAROUND		COMME	NTS:														1	Pre	eserv	ative:	A C	cid	Filter	red			
	orking Days) ormal Rates)	RELINQUIS	SHED BY		2721	1				DATE	: 71	Apr.	/21	RECEI	VED B	Y:								DATE:			-
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OMPANY NAME Suncor Energy USA Inc					(A)						-						1120		T		I	89						-
OJECT MAN	AGER	Jennife	r Stapp		OIL (S) AIR (A) OTHER (O)	NERS	۵		()	/ TCLP	AL / FCLF		RCRA 8 METALS (TOTAL / TCLP / DISSOLVED)	React. / Ignite. / Corr. / Paint Filt.	Vapor			NITRATE / NITRITE / AMMONIA	gen		2	Metals (Cu, Pb, Mn, Se, Ag, Zn) by EPA 200.8	A 200.7	8.00	200.7		SIS	JZ.
OJECT NUMBER Monthly NPDES Water Sampling (JUN 2021) OJECT LOCATION OR NAME Commerce City Refinery				CONTAI	BTEX / MTBE / NAP	терн (DRO)	OIL & GREASE (HEM)	8260 (TOTAL / TCLP)	SVOC 625 / 8270 / PAH (TOTAL / 4CLP)	/ TDS	/TCLP/	nr. / P.	BTEX/TVPH Emissions Vapor	ivity	T0C	/ AM	Total Inorganic Nitrogen	Total Phosphorus	Nitrate+Nitrite (as N)	Metals (Cu, Pb, M Zn) by EPA 200.8	rotal Recoverable Iron by EPA 200,7	Total Arsenic by EPA 200.8	Total Chromium by EPA 200.7	WAD Cyanide	HOLD AFTER ANALYSIS	HOLD, DON'T ANALYZE		
			LE MATRIX: S	NUMBER OF CONTAINERS						PH/TSS/TDS	(TOTAL	te. / Cc	H Emis	Conductivity		HEIT	organi	I Phos	3+Nitri	ils (Cu, by EPA		enic by	minm		FTER /	T'NOC		
MPLER'S SI	GNATURE JU	~8fy	<u> </u>		SAMPLE MATRIX: AQUEOUS ()	NOM	BTEX	F	OIL &	VOC 624 / 8260	525 / 82	Hd	METALS	/ Ignii	X/TVP	3		ATE / 1	otal In	Tota	Nitrat		Recove	tal Ars	I Chro	/W	HOLD A	IOLD, I
	SAMPLE ID	D	ATE/TIME	SAMPLED	SAN					VOC	SVOC		RCRA 8	React	BTE			NITR				Pot. Dis.	Total	To	Tota			-
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Normal (<10 Working Days) 3 Day (1.5 x Normal Rates) RELINQUISHED PY:						2			DATE:	61	2/2	-/	RECEI	VED E	BY:				-						DATE	:	***************************************	-
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	Client:			6	CHAI	UR 6-22-																		
SUNCOR)	Address:									Project Name/Location:												Method of Shipment:		
ENERGY Commerce City Refinery	Project Manager:	Project Phone:											Site Contact/Sampler:											
303-286-2019 jstapp@suncor.com	Contract/PO/Quote#:									303-28												Special Detection		
jstapp@surcor.com	Contracts Organies.	ntainers		Mat			Prsv.			BTEX/MTBE (8260B)											Turn Around Time Required (Days)	Limit/Reporting		
Client Sample Name/ID	Lab Sample ID	No. of Containers	Solid	Aqueous	Air	Yes (HCI)	No	Date	Time	BTEX/MT											Turn Arou Required			
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le Received Intact? Yes	No Temperature received:			-				On ice?	Yes No)	Custody	seals p	esent or	n cooler	? Y	'es	No	C	ustody	seals	present	on bottles? Yes No		
uished by Sampler (Sign & Pri		Date	•	Т	ime			s No Custody seals present on cooler? Yes No Custody seals present on cooler? Yes No Custody secretary (Sign & Print Name) Date Time											# or Lab Comments:					
quished by				Date			ime		Received Received							Date			ime					
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