2008

Tipo	Núm. Muestra	Muestreo	Recibo	Nota	%S	Viscocidad	Vanadio (ppm)	NHI (% P/P)	°API	Nota
Comp.	AG-R1-08-11-08-275C	08-nov-08	08-nov-08	[illegible]	0.48	64	23	1.3	15.7	[illegible]
G	AG-R1-08-11-08-275U	08-nov-08	08-nov-08	[illegible]	0.47	—	—	—	—	
G	AG-R1-08-11-08-275M	08-nov-08	08-nov-08	[illegible]	0.48	—	—	—	—	
G	AG-R1-08-11-08-275L	08-nov-08	08-nov-08	[illegible]	0.49	—	—	—	—	
COMP.	CO-R1022-08-11-10-276C	8/nov/08	8/nov/08	[illegible]	0.52	—	—	—	—	SOLO %S SPLIT DE ALCHEM
U	" " " " " 276U	" " "	" " "	"	0.53	—	—	—	—	"
M	" " " " " 276M	" " "	" " "	"	0.52	—	—	—	—	"
L	" " " " " 276L	" " "	" " "	"	0.52	—	—	—	—	"
Comp	CO-R1022-08-11-11-277C	11/nov/08	11/nov/08	[illegible]	0.52	—	—	—	—	Solo %S
U	CO-R1022-08-11-11-277U	11/nov/08	11/nov/08	[illegible]	0.52	—	—	—	—	"Split" de
M	CO-R1022-08-11-11-277M	11/nov/08	11/nov/08	[illegible]	0.52	—	—	—	—	Alchem
L	CO-R1022-08-11-11-277L	11/nov/08	11/nov/08	[illegible]	0.52	—	—	—	—	
Comp	AG-R1-08-11-12-278C	12/nov/08	12/nov/08	[illegible]	0.48	87	30.3	1.4	15.8	Alchem
G	AG-R1-08-11-12-278U	12/nov/08	12/nov/08	[illegible]	0.49	—	—	—	—	
G	AG-R1-08-11-12-278M	12/nov/08	12/nov/08	[illegible]	0.48	—	—	—	—	
G	AG-R1-08-11-12-278L	12/nov/08	12/nov/08	[illegible]	0.49	—	—	—	—	
COMP	CO-R1022-08-11-12-278C	12/nov/08	12/nov/08	[illegible]	0.49	—	—	—	—	SPLIT DE ALCHEM SOLO %S
G	" " " " " " 279U	" " "	" " "	"	0.50	—	—	—	—	—
"	" " " " " " 279M	" " "	" " "	"	0.49	—	—	—	—	—
"	" " " " " " 279L	" " "	" " "	"	0.50	—	—	—	—	—
Comp	SJ-R1-08-11-15-280C	15/nov/08	15/nov/08	[illegible]	0.39	233	5.1	3.7	15.8	Alchem #15
G	SJ-R1-08-11-15-280U	15/nov/08	15/nov/08	[illegible]	0.39	—	—	—	—	
G	SJ-R1-08-11-15-280M	15/nov/08	15/nov/08	[illegible]	0.40	—	—	—	—	
G	SJ-R1-08-11-15-280L	15/nov/08	15/nov/08	[illegible]	0.39	—	—	—	—	
COMP	CS-R1-08-11-17-281C	17/nov/08	17/nov/08	[illegible]	0.47	162	9	1.8	16.1	— Alchem
G	" " " " " 281U	" " "	" " "	"	0.48	—	—	—	—	
G	" " " " " 281M	" " "	" " "	"	0.48	—	—	—	—	
G	" " " " " 281L	" " "	" " "	"	0.48	—	—	—	—	
Comp	PS-R4-08-11-18-282C	18-nov-08	18/nov/08	[illegible]	0.44	232	16 11	3.9	16.1 11-18-08	Alchem
	PS-R4-08-11-18-282U	" "	" " "	[illegible]	0.43	—	—	—	—	
	PS-R4-08-11-18-282M	" "	" " "	[illegible]	0.43	—	—	—	—	
	PS-R4-08-11-18-282L	" "	" " "	[illegible]	0.44	—	—	—	—	
	SJ-R3-08-11-18-283C	" "	" " "	[illegible]	0.39	242	14	4.3	15.7	— Alchem #18
	SJ-R3-08-11-18-283U	" "	" " "	[illegible]	0.40	—	—	—		
	SJ-R3-08-11-18-283M	" "	" " "	[illegible]	0.39	—	—	—		
	SJ-R3-08-11-18-283L	" "	" " "	[illegible]	0.40	—	—	—	(52°F / 17.7) CORREG → 16.4	API MANUAL (TECHNIDAD)
COMP	CO-R1022-08-11-19-284C	18/nov/08	18/nov/08	[illegible]	0.48	—	—	—	—	ANALISADO POR ALCHEM
G	CO-R1022-08-11-19-284C	"	"	"	0.48	—	—	—	—	"
"	CO-R1022-08-11-19-284M	"	"	"	0.49	—	—	—	—	"

2008

Tipo	Número de Muestra	Muestreo	Recibo	Firma / Nota	% S	Viscosidad (122°F)	Vanadio (ppm)	% NHI	% API	
G	SJ-R4-08-04-08-071 M	08/abr/08	08/abr/08	[illegible]	0.38	–	–	–	–	
G	SJ-R4-08-04-08-071 L	08/abr/08	08/abr/08	[illegible]	0.38	–	–	–	–	
Comp	CS-R2-08-04-10-072 C	10/abr/08	10/abr/08	[illegible]	0.51 *	–	–	–	14.5	Solo %S + API [illegible]
G	" " " " " 072 U	"	"	"	0.51	–	–	–	–	
G	" " " " " 072 M	"	"	"	0.52	–	–	–	–	
G	" " " " " 072 L	"	"	"	0.51	–	–	–	–	
Comp	CS-R2-08-04-11-073 C	11/abr/08	11/abr/08	[illegible]	0.51 *	–	–	–	–	2do MUESTREO
G	" " " " " 073 U	"	"	"	0.51	–	–	–	–	
"	" " " " " 073 M	"	"	"	0.51	–	–	–	–	
"	" " " " " 073 L	"	"	"	0.51	–	–	–	–	
Comp.	CS-R2-08-04-11-074 C	11/abr/08	11/abr/08	[illegible]	0.52	–	–	–	–	SPLIT. SAYBOLT
G	" " " " " 074 U	"	"	"	0.52	–	–	–	–	
"	" " " " " 074 M	"	"	"	0.51	–	–	–	–	
"	" " " " " 074 L	"	"	"	0.52	–	–	–	–	
Comp.	CS-R3-08-04-11-075 C	11/abr/08	11/abr/08	[illegible]	0.51	–	–	–	–	Solo %S.
G	" " " " " 075 U	"	"	"	0.51	–	–	–	–	
G	" " " " " 075 M	"	"	"	0.51	–	–	–	–	
G	" " " " " 075 L	"	"	"	0.51	–	–	–	–	
Comp	CS-R3-08-04-12-076 C	12/abril/08	12/abril/08	[illegible]	0.51	–	–	–	–	Solo %S ok
G	CS-R3-08-04-12-076 U	12/abril/08	12/abril/08	[illegible]	0.51	–	–	–	–	
G	CS-R3-08-04-12-076 M	12/abril/08	12/abril/08	[illegible]	0.51	–	–	–	–	
G	CS-R3-08-04-12-076 L	12/abril/08	12/abril/08	[illegible]	0.51	–	–	–	–	Solo %S ok
Comp	CO-R903-08-04-12-077 C	12/abril/08	12/abril/08	[illegible]	0.48	–	–	–	–	
G	CO-R903-08-04-12-077 U	12/abril/08	12/abril/08	[illegible]	0.48	–	–	–	–	
G	CO-R903-08-04-12-077 M	12/abril/08	12/abril/08	[illegible]	0.48	–	–	–	–	
G	CO-R903-08-04-12-077 L	12/abril/08	12/abril/08	[illegible]	0.48	–	–	–	–	
Comp.	SJ-R1-08-04-14-078 C	14/abril/08	14/abril/08	[illegible]	0.35	258	5	0.9	12.7	Alchem
G	SJ-R1-08-04-14-078 U	14/abril/08	14/abril/08	[illegible]	0.37	–	–	–	–	
G	SJ-R1-08-04-14-078 M	14/abril/08	14/abril/08	[illegible]	0.36	–	–	–	–	
G	SJ-R1-08-04-14-078 L	14/abril/08	14/abril/08	[illegible]	0.37	–	–	–	–	
Comp.	SJ-R2-08-04-14-079 C	14/abril/08	14/abril/08	[illegible]	0.36	216	6	0.9	13.3	– Alchem
G	SJ-R2-08-04-14-079 U	14/abril/08	14/abril/08	[illegible]	0.37	–	–	–	–	
G	SJ-R2-08-04-14-079 M	14/abril/08	14/abril/08	[illegible]	0.37	–	–	–	–	
G	SJ-R2-08-04-14-079 L	14/abril/08	14/abril/08	[illegible]	0.36	–	–	–	–	
Comp.	CS-R3-08-04-14-080 C	14/abril/08	14/abril/08	[illegible]	0.51	–	–	–	–	Solo %S ok
G	CS-R3-08-04-14-080 U	14/abril/08	14/abril/08	[illegible]	0.51	–	–	–	–	
G	CS-R3-08-04-14-080 M	14/abril/08	14/abril/08	[illegible]	0.49	–	–	–	–	
G	CS-R3-08-04-14-080 L	14/abril/08	14/abril/08	[illegible]	0.51	–	–	–	–	
Comp.	SJ-R3-08-04-14-081 C	14/abril/08	14/abril/08	[illegible]	0.36	256	6	0.6	12.5	Alchem ok

2009

Tipo	Numero de Muestra	Muestreo	Recibo	Incidencia	Nota
G	SJ-R4-09-10-23-219-U	23/oct/09	23/oct/09	Gul	—
G	SJ-R4-09-10-23-219-M	23/oct/09	23/oct/09	Gul	—
G	SJ-R4-09-10-23-219L	23/oct/09	23/oct/09	Gul	—
Comp	AG-R3-09-10-24-220C	24/oct/09	24/oct/09	Gul	x19
G	AG-R3-09-10-24-220U	24/oct/09	24/oct/09	Gul	—
G	AG-R3-09-10-24-220M	24/oct/09	24/oct/09	Gul	—
G	AG-R3-09-10-24-220L	24/oct/09	24/oct/09	Gul	—
Comp	PS-R1-09-10-28-221C	28/oct/09	28/oct/09		x20
G	PS-R1-09-10-28-221U	28/oct/09	28/oct/09		—
G	PS-R1-09-10-28-221M	28/oct/09	28/oct/09		—
G	PS-R1-09-10-28-221L	28/oct/09	28/oct/09		—
Comp	PS-R1-09-10-28-221C	28/oct/09	28/oct/09		—
Comp	SJ-R1-09-10-28-222C	28/oct/09	28/oct/09		—
G	SJ-R1-09-10-28-222U	28/oct/09	28/oct/09		—
G	SJ-R1-09-10-28-222M	28/oct/09	28/oct/09		—
G	SJ-R1-09-10-28-222L	28/oct/09	28/oct/09		—
Comp	SJ-R3-09-10-28-223C	28/oct/09	28/oct/09		—
G	SJ-R3-09-10-28-223U	28/oct/09	28/oct/09		—
G	SJ-R3-09-10-28-223M	28/oct/09	28/oct/09		—
G	SJ-R3-09-10-28-223L	28/oct/09	28/oct/09		—
Comp	SJ-R2-09-11-01-224C	01/nov/09	01/nov/09		—
G	SJ-R2-09-11-01-224U	01/nov/09	01/nov/09		—
G	SJ-R2-09-11-01-224M	01/nov/09	01/nov/09		—
G	SJ-R2-09-11-01-224L	01/nov/09	01/nov/09		—
Comp	SJ-R3-09-11-02-225C	02/nov/09	02/nov/09		—
G	SJ-R3-09-11-02-225U	02/nov/09	02/nov/09		—
G	SJ-R3-09-11-02-225M	02/nov/09	02/nov/09		—
G	SJ-R3-09-11-02-225L	02/nov/09	02/nov/09		—
Comp	SJ-R4-09-11-02-226C	02/nov/09	02/nov/09		—
G	SJ-R4-09-11-02-226U	02/nov/09	02/nov/09		—
G	SJ-R4-09-11-02-226M	02/nov/09	02/nov/09		—
G	SJ-R4-09-11-02-226L	02/nov/09	02/nov/09		—
Comp	PS-R2-09-11-03-227C	03/nov/09	3/nov/09		—
G	PS-R2-09-11-03-227U	3/nov/09	3/nov/09		—
G	PS-R2-09-11-03-227M	3/nov/09	3/nov/09		—
G	PS-R2-09-11-03-227L	3/nov/09	3/nov/09		—
Comp.	PS-R4-09-11-04-228C	04/nov/09	04/nov/09	Gul	—
G	PS-R4-09-11-04-228U	04/nov/09	04/nov/09	Gul	—
G	PS-R4-09-11-04-228M	04/nov/09	04/nov/09	Gul	—

2009

°/oS	Viscosidad (SFS)	NHI (%)	Vanadio (ppm)	°API	Nota
0.35	—	—	—	—	—
0.35	—	—	—	—	—
0.35	26/oct/09	—	26/oct/09	—	—
0.44	~~1.9~~ 153	1.91	12	14.4	Alchem
0.44	—	—	—	—	—
0.44	—	—	—	—	—
0.44	—	—	—	—	—
0.34	143	0.7	10	14.4	—
0.34	—	—	—	—	—
0.34	—	—	—	—	—
0.34	—	—	—	—	—
0.34	148	0.7	12	14.4	Alchem
0.41	110	2.5	17	~~14.4~~ 11.4	28/oct/09
0.41	—	—	—	—	—
0.41	—	—	—	—	—
0.41	—	—	—	—	—
0.39	129	2.2	13	11.8	—
0.39	—	—	—	—	—
0.39	—	—	—	—	—
0.39	—	—	—	—	—
0.46	148	0.9	15	13.8	—
0.46	—	—	—	—	—
0.45	—	—	—	—	—
0.46	—	—	—	—	—
0.46	155	1.4	14	13.8	—
0.46	—	—	—	—	—
0.46	—	—	—	—	—
0.46	—	—	—	—	—
0.46	154	1.5	15	13.8	—
0.46	—	—	—	—	—
0.46	—	—	—	—	—
0.45	—	—	—	—	—
0.51 *	239	3.0	29	14.4	[illegible]
0.51 *	—	—	—	—	[illegible]
0.51 *	—	—	—	—	Alchem
0.51 *	—	—	—	—	—
0.53	285	2.8	15	14.7	Alchem
0.53	—	—	—	—	—
0.53	—	—	—	—	—

2009

Tipo	Numero de Muestra	Fecha Muestreo	Recibo	Iniciales	Nota	Viscosidad (SFS)	NHI (%)	Vanadio (ppm)	°API	Nota
G	PS-R4-09-11-04-228L	04/nov/09	04/nov/09	GM	—	0.53	—	—	—	—
COMP	PS-R3-09-11-05-229C	5/NOV/09	5/NOV/09	[illegible]	—	0.52 *	275	3.5 3.5 GM 11/nov/09	27	14.6	* Sobre el límite [illegible]
G	PS-R3-09-11-05-229U	5/NOV/09	5/NOV/09	[illegible]	—	0.52	—	—	—	—	Alchem
G	PS-R3-09-11-05-229M	5/NOV/09	5/NOV/09	[illegible]	—	0.52	—	—	—	—	—
G	PS-R3-09-11-05-229L	5/NOV/09	5/NOV/09	[illegible]	—	0.52	—	—	—	—	—
COMP	PS-R1-09-11-06-230C	06/NOV/09	06/NOV/09	[illegible]	—	0.51	253	3.3	25	14.4	Alchem
G	PS-R1-09-11-06-230U	06/NOV/09	06/NOV/09	[illegible]	—	0.51	—	—	—	—	—
G	PS-R1-09-11-06-230M	06/NOV/09	06/NOV/09	[illegible]	—	0.50	—	—	—	—	—
G	PS-R1-09-11-06-230L	06/NOV/09	06/NOV/09	[illegible]	—	0.48	—	—	—	—	—
	AP 09/nov/09		09/NOV/09		09/nov/09	—	—	—	—	—
COMP	RSJ-R1-09-11-09-231C	09/NOV/09	09/NOV/09	[illegible]	—	0.36	124	1.9	9	10.8	Alchem
G	SJ-R1-09-11-09-231U	09/NOV/09	09/NOV/09	[illegible]	—	0.35	—	—	—	—	—
G	SJ-R1-09-11-09-231M	09/NOV/09	09/NOV/09	[illegible]	—	0.36	—	—	—	—	—
G	SJ-R1-09-11-09-231L	09/NOV/09	09/NOV/09	[illegible]	—	0.36	—	—	—	—	—
COMP	SJ-R2-09-11-09-232C	09/NOV/09	09/NOV/09	[illegible]	—	0.36	131	1.6	13	10.9	Alchem
G	SJ-R2-09-11-09-232U	09/NOV/09	09/NOV/09	[illegible]	—	0.36	—	—	—	—	—
G	SJ-R2-09-11-09-232M	09/NOV/09	09/NOV/09	[illegible]	—	0.36	—	—	—	—	—
G	SJ-R2-09-11-09-232L	09/NOV/09	09/NOV/09	[illegible]	—	0.36	—	—	—	—	—
COMP	AG-R2-09-11-10-233C	10/NOV/09	10/NOV/09	[illegible]	—	0.45	148	0.9	1.4	14.1	Alchem
G	AG-R2-09-11-10-233U	10/NOV/09	10/NOV/09	[illegible]	—	0.46	—	—	—	—	—
G	AG-R2-09-11-10-233M	10/NOV/09	10/NOV/09	[illegible]	—	0.46	—	—	—	—	—
G	AG-R2-09-11-10-233L	10/NOV/09	10/NOV/09	[illegible]	—	0.46	—	—	—	—	—
COMP	CS-R1-09-11-12-234C	12/NOV/09	12/NOV/09	[illegible]	—	0.46	188	2.9	5	13.6	Alchem
G	CS-R1-09-11-12-234U	12/NOV/09	12/NOV/09	[illegible]	—	0.46	—	—	—	—	—
G	CS-R1-09-11-12-234M	12/NOV/09	12/NOV/09	[illegible]	—	0.46	—	—	—	—	—
G	CS-R1-09-11-12-234L	12/NOV/09	12/NOV/09	[illegible]	—	0.47	—	—	—	—	—
COMP	SJ-R3-09-11-16-235C	16/NOV/09	16/NOV/09	[illegible]	—	0.46	179	1.5	18	13.4	Alchem
G	SJ-R3-09-11-16-235U	16/NOV/09	16/NOV/09	[illegible]	—	0.46	—	—	—	—	—
G	SJ-R3-09-11-16-235M	16/NOV/09	16/NOV/09	[illegible]	—	0.47	—	—	—	—	—
G	SJ-R3-09-11-16-235L	16/NOV/09	16/NOV/09	[illegible]	—	0.47	—	—	—	—	—
COMP	PS-R3-09-11-16-236C	16/NOV/09	16/NOV/09	[illegible]	—	0.51	236	3.3	15	14.6	Alchem
G	PS-R3-09-11-16-236U	16/NOV/09	16/NOV/09	[illegible]	—	0.52	—	—	—	—	—
G	PS-R3-09-11-16-236M	16/NOV/09	16/NOV/09	[illegible]	—	0.51 0.52	—	—	—	—	—
G	PS-R3-09-11-16-236L	16/NOV/09	16/NOV/09	[illegible]	—	0.52	—	—	—	—	—
COMP	CS-R2-09-11-16-237C	16/NOV/09	16/NOV/09	[illegible]	—	0.48	207	2.2 2.2 GM 11/nov/09	13	15.3	Alchem
G	CS-R2-09-11-16-237U	16/NOV/09	16/NOV/09	[illegible]	—	0.47	—	—	—	—	—
G	CS-R2-09-11-16-237M	16/NOV/09	16/NOV/09	[illegible]	—	0.47	—	—	—	—	—
G	CS-R2-09-11-16-237L	16/NOV/09	16/NOV/09	[illegible]	—	0.47	—	—	—	—	—
COMP	SJ-R2-09-11-17-238C	17/nov/09	17/nov/09	GM	—	0.45	168	1.7	28	13.3	Alchem

2010

Tipo	Numero de Muestra (Localización)	Muestreo	Recibo	Iniciales	Nota
Comp.	SJ-R4-10-01-02-001C	02/enero/10	02/enero/10	Gul	—
G	SJ-R4-10-01-02-001U	02/enero/10	02/enero/10	Gul	—
G	SJ-R4-10-01-02-001M	02/enero/10	02/enero/10	Gul	—
G	SJ-R4-10-01-02-001L	02/enero/10	02/enero/10	Gul	—
Comp.	SJ-R3-10-01-02-002C	02/enero/10	02/enero/10	Gul	—
G	SJ-R3-10-01-02-002U	02/enero/10	02/enero/10	Gul	—
G	SJ-R3-10-01-02-002M	02/enero/10	02/enero/10	Gul	—
G	SJ-R3-10-01-02-002L	02/enero/10	02/enero/10	Gul	—
Comp.	SJ-R4-10-01-02-003C	02/enero/10	02/enero/10	Gul	Segundo muestreo
G	SJ-R4-10-01-02-003U	02/enero/10	02/enero/10	Gul	—
G	SJ-R4-10-01-02-003M	02/enero/10	02/enero/10	Gul	—
G	SJ-R4-10-01-02-003L	02/enero/10	02/enero/10	Gul	—
Comp.	SJ-R4-10-01-02-004C	02/enero/10	02/enero/10	SJH	Muestreo: Sayba
G	SJ-R4-10-01-02-004U	02/enero/10	02/enero/10	Gul	—
G	SJ-R4-10-01-02-004M	02/enero/10	02/enero/10	Gul	—
G	SJ-R4-10-01-02-004L	02/enero/10	02/enero/10	Gul	—
Comp	AG-R1-10-01-03-005C	03/enero/10	03/enero/10		—
G	AG-R1-10-01-03-005U	03/enero/10	03/enero/10		—
G	AG-R1-10-01-03-005M	03/enero/10	03/enero/10		—
G	AG-R1-10-01-03-005L	03/enero/10	03/enero/10		—
Comp.	SJ-R2-10-01-04-006C	04/enero/10	04/enero/10		—
G	SJ-R2-10-01-04-006U	04/enero/10	04/enero/10		—
G	SJ-R2-10-01-04-006M	04/enero/10	04/enero/10		—
G	SJ-R2-10-01-04-006L	04/enero/10	04/enero/10		—
COMP	RS-R1-10-01-04-007C	4/ENE/10	4/ENE/10		—
G	RS-R1-10-01-04-007U	4/ENE/10	4/ENE/10		—
G	RS-R1-10-01-04-007M	4/ENE/10	4/ENE/10		—
G	RS-R1-10-01-04-007L	4/ENE/10	4/ENE/10		—
Comp	SJ-R2-10-01-05-008C	05/enero/10	05/enero/10		—
G	SJ-R2-10-01-05-008U	05/enero/10	05/enero/10		—
G	SJ-R2-10-01-05-008M	05/enero/10	05/enero/10		—
G	SJ-R2-10-01-05-008L	05/enero/10	05/enero/10		—
Comp.	SJ-R4-10-01-05-009C	05/enero/10	05/enero/10		—
G	SJ-R4-10-01-05-009U	05/enero/10	05/enero/10		—
G	SJ-R4-10-01-05-009M	05/enero/10	05/enero/10		—
G	SJ-R4-10-01-05-009L	05/enero/10	05/enero/10		—
Comp.	SJ-R1-10-01-07-010C	07/enero/10	07/enero/10	Gul	—
G	SJ-R1-10-01-07-010U	07/enero/10	07/enero/10	Gul	—
G	SJ-R1-10-01-07-010M	07/enero/10	07/enero/10	Gul	—
G	SJ-R1-10-01-07-010L	07/enero/10	07/enero/10	Gul	—

2010

% S	Viscosidad SFS @ 122°F	% NHI	Vanadio (ppm)	°API	Nota
0.52	—	—	—	16.8	No se analizará completo porque valor de azufre está fuera del límite.
0.52	—	—	—	—	—
0.53	—	—	—	—	—
0.52	—	—	—	—	—
0.50	167	1.2	7	17.0	Alchem
0.50	—	—	—	—	—
0.50	—	—	—	—	—
0.50	—	—	—	—	Solo % S.
0.52	—	—	—	—	—
0.52	—	—	—	—	—
0.52	—	—	—	—	—
0.52	—	—	—	—	—
0.52	—	—	—	—	Solo % S.
0.52	—	—	—	—	—
0.52	—	—	—	—	—
0.52	—	—	—	—	—
0.46	123	2.0	8	15.5	Alchem
0.46	—	—	—	—	—
0.47	—	—	—	—	—
0.46	—	—	—	—	—
0.46	—	—	—	17.4	Solo API y azufre
0.46	—	—	—	—	—
0.46	—	—	—	—	—
0.46	—	—	—	—	—
0.52	—	—	—	16.5	Solo %S, API, HV
0.52	—	—	—	—	—
0.52	—	—	—	—	—
0.52	—	—	—	—	—
0.46	156	0.9	14	17.3	Alchem
0.46	—	—	—	—	—
0.43	—	—	—	—	—
0.45	—	—	—	—	—
0.52	—	—	—	—	Solo % Azufre
0.49	—	—	—	—	—
0.52	—	—	—	—	—
0.51	—	—	—	—	—
0.49	293	1.5	12	16.0	Alchem.
0.49	—	—	—	—	—
0.49	—	—	—	—	—

2010

TIPO	NÚM. MUESTRA	MUESTREO	RECIBO	INIC	NOTA	% S	VISC.	% NAT	VANADIO	°API	
Comp	AG-R2-10-01-07-011C	7/DIC/2010	7/DIC/2010		—	0.47	120	3.5	15	15.7	Alchem
G	AG-R2-10-01-07-011U	7/DIC/2010	7/DIC/2010		—	0.47	—	—	—	—	—
G	AG-R2-10-01-07-011M	7/DIC/2010	7/DIC/2010		—	0.47	—	—	—	—	—
G	AG-R2-10-01-07-011L	7/DIC/2010	7/DIC/2010		—	0.47	—	—	—	—	—
Comp.	CS-R1-10-01-07-012C	7/DIC/2010	7/DIC/2010		—	0.49	162	1.0	12	16.4	Alchem
G	CS-R1-10-01-07-012U	7/DIC/2010	7/DIC/2010		—	0.46	—	—	—	—	—
G	CS-R1-10-01-07-012M	7/DIC/2010	7/DIC/2010		—	0.49	—	—	—	—	—
G	CS-R1-10-01-07-012L	7/DIC/2010	7/DIC/2010		—	0.49	—	—	—	—	—
Comp.	PS-R4-10-01-08-013C	08/ene/10	08/ene/10	Gul	*Por error se escribió el mes incorrecto. El mes correcto es: Gul 01/09/10	0.49	172	2.0	9	15.7	Alchem
G	PS-R4-10-01-08-013U	08/ene/10	08/ene/10	Gul		0.49	—	—	—	—	—
G	PS-R4-10-01-08-013M	08/ene/10	08/ene/10	Gul		0.50	—	—	—	—	—
G	PS-R4-10-01-08-013L	08/ene/10	08/ene/10	Gul		0.49	—	—	—	—	—
Comp.	PS-R1-10-01-08-014C	08/ene/10	08/ene/10	Gul		0.51	192	1.7	10	16.5	Alchem
G	PS-R1-10-01-08-014U	08/ene/10	08/ene/10	Gul		0.51	—	—	—	—	—
G	PS-R1-10-01-08-014M	08/ene/10	09/ene/10	Gul		0.51	—	—	—	—	—
G	PS-R1-10-01-08-014L	08/ene/10	08/ene/10	Gul		0.51	—	—	—	—	—
Comp	SJ-R3-10-01-09-015C	09/ene/10	09/ene/10	Gul		0.50	164	1.7	9	16.1	Alchem
G	SJ-R3-10-01-09-015U	09/ene/10	09/ene/10	Gul		0.50	—	—	—	—	—
G	SJ-R3-10-01-09-015M	09/ene/10	09/ene/10	Gul		0.49	—	—	—	—	—
G	SJ-R3-10-01-09-015L	09/ene/10	09/ene/10	Gul		0.49	—	—	—	—	—
Comp.	SJ-R4-10-01-09-016C	09/ene/10	09/ene/10	Gul		0.50	169	1.6	11	16.2	Alchem
G	SJ-R4-10-01-09-016U	09/ene/10	09/ene/10	Gul		0.50	—	—	—	—	—
G	SJ-R4-10-01-09-016M	09/ene/10	09/ene/10	Gul		0.50	—	—	—	—	—
G	SJ-R4-10-01-09-016L	09/ene/10	09/ene/10	Gul		0.50	—	—	—	—	—
Comp	PS-R2-10-01-12-017C	12/ENE/2010	12/ENE/2010		—	0.52	—	—	—	16.3	CANCELADO
G	PS-R2-10-01-12-017U	12/ENE/2010	12/ENE/2010		—	0.52	—	—	—	—	—
G	PS-R2-10-01-12-017M	12/ENE/2010	12/ENE/2010		—	0.51	—	—	—	—	—
G	PS-R2-10-01-12-017L	12/ENE/2010	12/ENE/2010		—	0.52	—	—	—	—	—
Comp	AG-R1-10-01-12-018C	12/ene/10	12/ene/10		—	0.47	132	3.4	11	15.5	Alchem
G	AG-R1-10-01-12-018U	12/ene/10	12/ene/10		—	0.46	—	—	—	—	—
G	AG-R1-10-01-12-018M	12/ene/10	12/ene/10		—	0.45	—	—	—	—	—
G	AG-R1-10-01-12-018L	12/ene/10	12/ene/10		—	0.47	—	—	—	—	—
Comp	PS-R1-10-01-12-019C	12/ENE/2010	12/ENE/2010		2da MUESTRA	0.50	195	1.7	19	16.3	2da MUESTREO, ~~[illegible]~~
G	PS-R1-10-01-12-019U	12/ENE/2010	12/ENE/2010		—	0.51	—	—	—	—	—
G	PS-R1-10-01-12-019M	12/ENE/2010	12/ENE/2010		—	0.50	—	—	—	—	—
G	PS-R1-10-01-12-019L	12/ENE/2010	12/ENE/2010		—	0.50	—	—	—	—	—
Comp	PS-R2-10-01-12-020C	12/ENE/2010	12/ENE/2010		2da MUESTREO	0.51	—	—	—	—	2da MUESTREO, SÓLO % S
G	PS-R2-10-01-12-020U	12/ENE/2010	12/ENE/2010		—	0.51	—	—	—	—	—
G	PS-R2-10-01-12-020M	12/ENE/2010	12/ENE/2010		—	0.51	—	—	—	—	—

2010

		MUESTREO	RECIBO	INIC	NOTA	% S	VISCOSIDAD	% AGUA	VOLATILES	% API	NOTA
G.	PS-R2-10-01-12-020L	12/ene/2010	12/ene/10		2do MUESTREO	1.51	—	—	—	—	50% FS, 2do MUESTREO
COMP.	PS-R2-10-01-12-020L DUP	12/ene/2010	12/ene/10		CANCELADO	—	—	—	—	—	CANCELADO
COMP.	AG-R2-10-01-13-021 C	13/ene/2010	13/ene/10		—	0.46	122	4.1	9	15.8	—
G	AG-R2-10-01-13-021 U	13/ene/2010	13/ene/10		—	0.47	—	—	—	—	—
G	AG-R2-10-01-13-021 M	13/ene/2010	13/ene/10		—	0.47	—	—	—	—	—
G	AG-R2-10-01-13-021 L	13/ene/2010	13/ene/10		—	0.47	—	—	—	—	—
COMP.	AG-R2-10-01-13-021C DUP	13/ene/2010	13/ene/2010		Duplicado	0.47	128	3.7	10	15.7	—
COMP.	SJ-R3-10-01-18-022 C	18/ene/2010	18/ene/2010		—	0.42	149	1.5	12	16.3	ALCAEM
G	SJ-R3-10-01-18-022 U	18/ene/2010	18/ene/2010		—	0.42	—	—	—	—	—
G	SJ-R3-10-01-18-022 M	18/ene/2010	18/ene/2010		—	0.42	—	—	—	—	—
G	SJ-R3-10-01-18-022 L	18/ene/2010	18/ene/2010		—	0.42	—	—	—	—	—
COMP.	AG-R1-10-01-19-023 C	19/ene/2010	19/ene/2010		ANULADO	0.47	—	—	—	15.7	ANULADO
G	AG-R1-10-01-19-023 U	19/ene/2010	19/ene/10		—	0.49	—	—	—	—	—
G	AG-R1-10-01-19-023 M	19/ene/2010	19/ene/10		—	0.47	—	—	—	—	—
G	AG-R1-10-01-19-023 L	19/ene/2010	19/ene/10		—	0.47	—	—	—	—	—
COMP.	SJ-R1-10-01-19-024 C	19/ene/10	19/ene/10		—	0.43	173	1.5	18	16.6	ALCAEM
G.	SJ-R1-10-01-19-024 U	19/ene/10	19/ene/10		—	0.43	—	—	—	—	—
G	SJ-R1-10-01-19-024 M	19/ene/10	19/ene/10		—	0.44	—	—	—	—	—
G.	SJ-R1-10-01-19-024 L	19/ene/10	19/ene/10		—	0.43	—	—	—	—	—
COMP.	SJ-R2-10-01-19-025C	19/ene/2010	19/ene/2010		—	0.42	161	1.5	21	16.6	ALCAEM
G	SJ-R2-10-01-19-025 U	19/ene/10	19/ene/10		—	0.42	—	—	—	—	—
G	SJ-R2-10-01-19-025 M	19/ene/10	19/ene/10		—	0.42	—	—	—	—	—
G	SJ-R2-10-01-19-025 L	19/ene/10	19/ene/10		—	0.42	—	—	—	—	—
Comp.	PS-R3-10-01-20-026 C	20/ene/10	20/ene/10	Gill	—	0.49	187	7.6	15	16.3	Alchem
G.	PS-R3-10-01-20-026 U	20/ene/10	20/ene/10	Gill	—	0.49	—	—	—	—	—
G	PS-R3-10-01-20-026 M	20/ene/10	20/ene/10	Gill	—	0.49	—	—	—	—	—
G	PS-R3-10-01-20-026 L	20/ene/10	20/ene/10	Gill	—	0.49	—	—	—	—	—
Comp.	PS-R2-10-01-20-027C	20/ene/10	20/ene/10	Gill	Tercer Gilsonizado ~~Segundo~~ muestreo	0.50	192	1.9	15	16.1	Alchem
G	PS-R2-10-01-20-027 U	20/ene/10	20/ene/10	Gill	—	0.50	—	—	—	—	—
G	PS-R2-10-01-20-027 M	20/ene/10	20/ene/10	Gill	—	0.51	—	—	—	—	—
G	PS-R2-10-01-20-027 L	20/ene/10	20/ene/10	Gill	—	0.50	—	—	—	—	—
Comp	AG-R1-10-01-20-028C	20/ene/10	20/ene/10		—	0.47	128	3.9	13	15.7	Alchem
G	AG-R1-10-01-20-028 U	20/ene/10	20/ene/10		—	0.48	—	—	—	—	—
G	AG-R1-10-01-20-028 M	20/ene/10	20/ene/10		—	0.48	—	—	—	—	—
G	AG-R1-10-01-20-028 L	20/ene/10	20/ene/10		—	0.48	—	—	—	—	—
Comp	AG-R2-10-01-20-029C	20/ene/10	20/ene/10		—	0.47	121	3.9	11	15.7	Alchem
G	AG-R2-10-01-20-029 U	20/ene/10	20/ene/10		—	0.46	—	—	—	—	—
G	AG-R2-10-01-20-029 M	20/ene/10	20/ene/10		—	0.47	—	—	—	—	—
G	AG-R2-10-01-20-029 L	20/ene/10	20/ene/10		—	0.45	—	—	—	—	—

N ALCAEM

N ALCAEM

Tipo	Número de Muestra	Muestreo	Recibido	Analizado	Nota	% S (%)	Densidad (g/cm³ 15°C)	% NHI (L/L)	Densidad (g/cm³)	° API (60°F)	Nota	Comentarios
Comp	PS-R4-10-10-01-222C	1/oct/10	1/oct/10	[illegible]		0.49*	101	29	13	14.1	ALCAEM	
	PS-R4-10-10-01-222H	1/oct/10	1/oct/10	[illegible]			—	—	—			
	PS-R4-10-10-01-222M	1/oct/10	1/oct/10	[illegible]			—	—	—			
G	PS-R4-10-10-01-222L	1/oct/10	1/oct/10	[illegible]			—	—	—			
Comp.	AG-R1-10-10-02-223C	02/oct/10	02/oct/10	[illegible]		0.45*	142	2.7	14	15.9		* S/clem
G.	AG-R1-10-10-02-223H	02/oct/10	02/oct/10	[illegible]			—	—	—	—		
G	AG-R1-10-10-02-223M	02/oct/10	02/oct/10	[illegible]			—	—	—	—		
G	AG-R1-10-10-02-223L	02/oct/10	02/oct/10	[illegible]			—	—	—	—		
Comp.	CS-R3-10-10-02-224C	02/oct/10	02/oct/10	[illegible]		0.49*	100	2.7	17	15.1		* S/clem
G	CS-R3-10-10-02-224H	02/oct/10	02/oct/10	[illegible]			—	—	—	—		
G	CS-R3-10-10-02-224M	02/oct/10	02/oct/10	[illegible]			—	—	—	—		
G	CS-R3-10-10-02-224L	02/oct/10	02/oct/10	[illegible]			—	—	—	—		
Comp	SJ-R2-10-10-02-225C	02/oct/10	02/oct/10	Gulf		0.49*	100	2.7	10	14.1		* S/clem
G	SJ-R2-10-10-02-225H	02/oct/10	02/oct/10	Gulf			—	—	—	—		
G	SJ-R2-10-10-02-225M	02/oct/10	02/oct/10	Gulf			—	—	—	—		
G	SJ-R2-10-10-02-225L	02/oct/10	02/oct/10	Gulf			—	—	—	—		
Comp	SJ-R3-10-10-02-226C	02/oct/10	02/oct/10	Gulf		0.49*	94	2.6	17	14.2		* S/clem
G	SJ-R3-10-10-02-226H	02/oct/10	02/oct/10	Gulf			—	—	—	—		
G	SJ-R3-10-10-02-226M	02/oct/10	02/oct/10	Gulf			—	—	—	—		
	SJ-R3-10-10-02-226L	02/oct/10	02/oct/10	Gulf			—	—	—	—		
Comp.	PS-R4-10-10-01-222C Duplicado	01/oct/10	01/oct/10	Gulf	Duplicado	0.50 S/clem	98	2.9	14	14.1		Duplicado Gulf 21/10 Duplicado
Comp.	CS-R2-10-10-07-227C	07/oct/10	07/oct/10	Gulf	* Muestras analizadas por Alcem.	0.52*	137	1.9	19	14.9		
G	CS-R2-10-10-07-227H	07/oct/10	07/oct/10	Gulf			—	—	—	—		
G	CS-R2-10-10-07-227M	07/oct/10	07/oct/10	Gulf			—	—	—	—		
G	CS-R2-10-10-07-227L	07/oct/10	07/oct/10	Gulf			—	—	—	—		
Comp.	AG-R2-10-10-07-228C	07/oct/10	07/oct/10	Gulf	* Muestras enviadas analizadas por Alchem.	0.50*	185	2.3	17	15.2		
G	AG-R2-10-10-07-228H	07/oct/10	07/oct/10	Gulf		0.50		—	—	—		
G	AG-R2-10-10-07-228M	07/oct/10	07/oct/10	Gulf		0.50	—	—	—	—		
G	AG-R2-10-10-07-228L	07/oct/10	07/oct/10	Gulf		0.50	—	—	—	—		
Comp.	SJ-R4-10-10-09-229C	09/oct/10	09/oct/10	Gulf	* Muestras analizadas por Alchem.	0.49*	94	2.7	19	13.7		
G	SJ-R4-10-10-09-229H	09/oct/10	09/oct/10	Gulf		0.49	—	—	—	—		
G	SJ-R4-10-10-09-229M	09/oct/10	09/oct/10	Gulf		0.49	—	—	—	—		
G	SJ-R4-10-10-09-229L	09/oct/10	09/oct/10	Gulf		0.49	—	—	—	—		
Comp.	PS-R1-10-10-09-230C	09/oct/10	09/oct/10	Gulf	* Muestras analizadas por Alchem	0.49*	96	2.9	23	13.7		
G	PS-R1-10-10-09-230H	09/oct/10	09/oct/10	Gulf		0.49	—	—	—	—		
G	PS-R1-10-10-09-230M	09/oct/10	09/oct/10	Gulf		0.49	—	—	—	—		
G	PS-R1-10-10-09-230L	09/oct/10	09/oct/10	Gulf		0.49	—	—	—	—		
Comp.	PS-R2-10-10-09-232C (231 cab.)	09/oct/10	09/oct/10	Gulf	* Muestras analizadas por Alchem	0.49*	96	2.9	24	13.9		
	PS-R2-10-10-09-232H (231 cab.)	09/oct/10	09/oct/10	Gulf		0.49	—	—	—	—		