

Tier 2 gasoline

Batch#

Facility Name: US EPA NVFEL Testing Fuel Group Facility Type: In House

Owner: USEPA Phone: (734) 214-4881

2565 Plymouth Road

Ann Arbor MI 48105-2425 Washtenaw County

US

Inspector: Nancy Tschirhart Inspection Date : 10/23/2013

Time In: 00:00 Time Out: 00:00

Samples Type: Test Fuel

VOC

Inspection information logged in by NST on 3/23/2015.

Season:

Tier 2 gasoline-27N 3-23

FTAG: 24693

Comments:

Test Code	Test Method	Results	Units	Fuel Code:	3	Analyst	Analysis Date
5808	Weight Percent Oxygenates by D5599	0.00	Weight Percent			TS	3/24/2015
552	MTBE by D5599	0.00	Oxygen Percent			TS	3/24/2015
562	ETBE by D5599	0.00	Oxygen Percent			TS	3/24/2015
534	Ethanol by D5599	0.00	Oxygen Percent			TS	3/24/2015
572	TAME by D5599	0.00	Oxygen Percent			TS	3/24/2015
421	Sulfur in Gasoline D2622	36.2	Parts Per Million			NST	3/24/2015
62	Vapor Pressure by D5191 (Modified)	9.14	PS I			NST	3/23/2015
65	Percent Evaporated at 200 Degrees F D86	36.8	Volume Percent			RG	3/23/2015
65	Percent Evaporated at 200 Degrees F D86	37.0	Volume Percent			RG	3/23/2015
66	Percent Evaporated at 300 Degrees F D86	87.2	Volume Percent			RG	3/23/2015
66	Percent Evaporated at 300 Degrees F D86	87.1	Volume Percent			RG	3/23/2015
48	Aromatics in Gasoline MSD D5769	32.50	Volume Percent			TW	3/24/2015
48	Aromatics in Gasoline MSD D5769	32.28	Volume Percent			TW	3/24/2015
49	Olefins in by FIA D1319	0.7	Volume Percent			RCG	3/31/2015
64	Benzene in Gasoline D3606	0.23	Volume Percent			TW	3/25/2015
64	Benzene in Gasoline D3606	0.23	Volume Percent			TW	3/25/2015
532	Ethanol by D5599	0.00	Volume Percent			TS	3/24/2015
59	Weight Percent Oxygen by D5599	0.00	Weight Percent			TS	3/24/2015
593	Volume Percent Oxygenates by D5599	0.00	Volume Percent			TS	3/24/2015
55	MTBE by D5599	0.00	Volume Percent			TS	3/24/2015
57	TAME by D5599	0.00	Volume Percent			TS	3/24/2015
56	ETBE by D5599	0.00	Volume Percent			TS	3/24/2015
63	Benzene in Gasoline by GC/MSD D5769	0.25	Volume Percent			TW	3/24/2015
630	Toluene in gasoline by MSD D5769	18.44	Volume Percent			TW	3/24/2015
63	Benzene in Gasoline by GC/MSD D5769	0.25	Volume Percent			TW	3/24/2015
630	Toluene in gasoline by MSD D5769	18.55	Volume Percent			TW	3/24/2015
46	Aromatics by FIA D1319	30.4	Volume Percent			RCG	3/31/2015
69	Specific Gravity @ 60 deg F D4052	0.74645	60/60F			NT	3/23/2015
692	Degrees API D4052	58.06	Degrees API			NT	3/23/2015
691	Density @ 60 deg F D4052	0.74571	g/cm-03 @ 60 deg F			NT	3/23/2015
101	Initial Boiling Point D86	89.5	Degrees F			RG	3/23/2015
101	Initial Boiling Point D86	88.1	Degrees F			RG	3/23/2015
110	10 Percent D86	125.0	Degrees F			RG	3/23/2015

110	10 Percent	D86	125.3 Degrees F	RG	3/23/2015
150	50 Percent	D86	226.1 Degrees F	RG	3/23/2015
150	50 Percent	D86	225.2 Degrees F	RG	3/23/2015
190	90 Percent	D86	317.8 Degrees F	RG	3/23/2015
190	90 Percent	D86	316.1 Degrees F	RG	3/23/2015
200	End Point	D86	403.0 Degrees F	RG	3/23/2015
200	End Point	D86	404.4 Degrees F	RG	3/23/2015
201	Residue	D86	1.1 mL	RG	3/23/2015
201	Residue	D86	1.1 mL	RG	3/23/2015
202	Total Recovery	D86	97.2 mL	RG	3/23/2015
202	Total Recovery	D86	97.1 mL	RG	3/23/2015
203	Loss	D86	1.7 mL	RG	3/23/2015
203	Loss	D86	1.8 mL	RG	3/23/2015
543	Methanol by D5599		0.00 Volume Percent	TS	3/24/2015
584	Isopropanol by D5599		0.00 Volume Percent	TS	3/24/2015
585	t-Butanol by D5599		0.00 Volume Percent	TS	3/24/2015
586	n-Propanol by D5599		0.00 Volume Percent	TS	3/24/2015
587	sec-Butanol by D5599		0.00 Volume Percent	TS	3/24/2015
588	DIPE by D5599		0.00 Volume Percent	TS	3/24/2015
589	Isobutanol by D5599		0.00 Volume Percent	TS	3/24/2015
5801	t-Amyl Alcohol by D5599		0.00 Volume Percent	TS	3/24/2015
5802	n-Butanol by D5599		0.00 Volume Percent	TS	3/24/2015
30	Lead in Gasoline by D3237		0.001 Grm Pb per Gallon	Paragon	4/1/2015
32	Weight Fraction Carbon D3343		0.86680 Weight Fraction	JG	
991	Phosphorus in Gasoline by D3231		0.0002 Grams per Gallon	Paragon	4/1/2015
221	Motor Octane		88.4 Motor Octane Number	Paragon	4/1/2015
218	Sensitivity		7.8 RON-MON	CPU	4/1/2015
220	Research Octane		96.2 Research Octane Number	Paragon	4/1/2015
219	Antiknock		92.30 (RON+MON)/2	CPU	4/1/2015
230	Net Heating Value D240		18439.00 BTU/lb	JG	4/2/2015