



# 2023 CONTAMINANT SUMMARY REPORT

September 25, 2024

11:57 am

CN : CN603988692

Organization : MARATHON OIL EF LLC

RN : RN106278328

Account : KAA017Q

Site : EAST LONGHORN CENTRAL FACILITY

Last EI Date : 12/31/2023

## CRITERIA EMISSIONS TOTALS

Pollutant Class	Annual (TPY)	Ozone (PPD)	SMSS (TPY)	Emiss Event (TPY)	EE/SMSS (TPY)
PM2.5	5.2678	650.4546	0.0000	0.0000	0.0000
VOC	62.5778	7270.3978	4.7402	0.7529	5.4931
CO	28.0497	11014.0640	0.0000	1.1636	1.1636
NOX	62.4409	10284.4759	0.0000	0.5828	0.5828
SO2	1.9269	32.5345	0.0000	0.0017	0.0017
PM10	5.2678	650.4546	0.0000	0.0000	0.0000

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Contam	Contam Name	Annual (TPY)	Ozone (PPD)	SMSS (TPY)	Emiss Event (TPY)	EE/SMSS (TPY)
10000	PART-U	5.2678	650.4546	0.0000	0.0000	0.0000
14036	ARSENIC AND COMPOUNDS	0.0000	0.0000	0.0000	0.0000	0.0000
20000	PM10 PART-U	5.2678	650.4546	0.0000	0.0000	0.0000
39999	TOTAL PM2.5 PARTICULATE	5.2678	650.4546	0.0000	0.0000	0.0000
50001	VOC-UNCLASSIFIED	22.7620	6948.7556	4.7124	0.1362	4.8486
51530	METHANOL	0.7023	4.0919	0.0000	0.0000	0.0000
51620	ACETALDEHYDE	2.3517	23.0106	0.0000	0.0000	0.0000
51640	ACROLEIN	1.4439	8.4123	0.0000	0.0000	0.0000
51680	FORMALDEHYDE	2.7356	29.9014	0.0000	0.0000	0.0000
52416	TRIMETHYL BENZENE, 1,2,4-	0.0000	0.0000	0.0000	0.0000	0.0000
52420	BENZENE	0.1483	14.5792	0.0019	0.0003	0.0022
52430	CHLOROBENZENE	0.0066	0.0375	0.0000	0.0000	0.0000
52450	ETHYL BENZENE	0.0348	0.3467	0.0000	0.0000	0.0000
52460	NAPHTHALENE	0.0180	0.1049	0.0000	0.0000	0.0000
52470	POLYNUCLEAR AROMATICS	0.0033	0.0180	0.0000	0.0000	0.0000
52475	BIPHENYL	0.0922	0.5376	0.0000	0.0000	0.0000
52488	2-METHYLNAPHTHALENE	0.0102	0.0596	0.0000	0.0000	0.0000
52490	TOLUENE	0.1721	7.4273	0.0014	0.0000	0.0014
52510	XYLENE-U	0.1398	5.6931	0.0011	0.0000	0.0011
53120	ETHYLENE DIBROMIDE	0.0193	0.1124	0.0000	0.0000	0.0000
53210	CARBON TETRACHLORIDE	0.0159	0.0930	0.0000	0.0000	0.0000
53220	CHLOROFORM	0.0035	0.0192	0.0000	0.0000	0.0000
53250	METHYLENE CHLORIDE	0.0048	0.0270	0.0000	0.0000	0.0000
53291	1,1,2-TRICHLOROETHANE	0.0082	0.0464	0.0000	0.0000	0.0000
53322	1,3-DICHLOROPROPENE	0.0128	0.0754	0.0000	0.0000	0.0000
53390	1,1,1,2-TETRACHLOROETHANE	0.0173	0.1014	0.0000	0.0000	0.0000
55150	1,3- BUTADIENE	0.0749	0.4370	0.0000	0.0000	0.0000
56100	CYCLOPENTANE	0.0000	0.0000	0.0000	0.0000	0.0000
56150	METHYLCYCLOHEXANE	0.0000	0.0000	0.0000	0.0000	0.0000



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56550	ETHANE	7.1829	46.5131	0.0000	0.7688	0.7688
56576	HEPTANE ISOMERS	0.1066	0.5840	0.0000	0.0000	0.0000
56595	HEXANE BRANCHED ISOMER-U	0.0000	0.0000	0.0000	0.0000	0.0000
56610	2,2,4-TRIMETHYLPENTANE	0.0722	0.4200	0.0000	0.0000	0.0000
56625	ISOBUTANE	0.8168	7.3872	0.0000	0.0000	0.0000
56674	OCTANE	0.1660	0.9095	0.0000	0.0000	0.0000
56680	DECANE	1.8878	10.3433	0.0000	0.0000	0.0000
56700	ISO PENTANE	0.2429	1.3307	0.0000	0.0000	0.0000
56703	NONANE	0.1293	0.7085	0.0000	0.0000	0.0000
56725	N BUTANE	1.3277	10.7836	0.0000	0.1267	0.1267
56730	N-HEXANE	0.4432	29.8181	0.0234	0.0030	0.0264
56750	PENTANE	0.9963	5.7568	0.0000	0.0000	0.0000
56775	PROPANE	25.6265	158.5552	0.0000	0.4867	0.4867
56780	1-PHENYLPROPANE	0.0000	0.0000	0.0000	0.0000	0.0000
60000	METHANE	19.2002	114.2969	0.0000	2.2030	2.2030
70300	HYDROGEN SULFIDE	0.0217	24.1085	0.0022	0.0000	0.0022
70400	NITROGEN OXIDES	62.4409	10284.4759	0.0000	0.5828	0.5828
70500	SULFUR OXIDE-U	0.0000	0.0139	0.0000	0.0000	0.0000
70510	SULFUR DIOXIDE	1.9269	32.5345	0.0000	0.0017	0.0017
90300	CARBON MONOXIDE	28.0497	11014.0640	0.0000	1.1636	1.1636



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## HAPS SUMMARY REPORT

Contam	Contam Name	Annual (TPY)	Ozone (PPD)	SMSS (TPY)	Emiss Event (TPY)	EE/SMSS (TPY)
14036	ARSENIC AND COMPOUNDS	0.0000	0.0000	0.0000	0.0000	0.0000
51530	METHANOL	0.7023	4.0919	0.0000	0.0000	0.0000
51620	ACETALDEHYDE	2.3517	23.0106	0.0000	0.0000	0.0000
51640	ACROLEIN	1.4439	8.4123	0.0000	0.0000	0.0000
51680	FORMALDEHYDE	2.7356	29.9014	0.0000	0.0000	0.0000
52420	BENZENE	0.1483	14.5792	0.0019	0.0003	0.0022
52430	CHLOROBENZENE	0.0066	0.0375	0.0000	0.0000	0.0000
52450	ETHYL BENZENE	0.0348	0.3467	0.0000	0.0000	0.0000
52460	NAPHTHALENE	0.0180	0.1049	0.0000	0.0000	0.0000
52470	POLYNUCLEAR AROMATICS	0.0033	0.0180	0.0000	0.0000	0.0000
52475	BIPHENYL	0.0922	0.5376	0.0000	0.0000	0.0000
52488	2-METHYLNAPHTHALENE	0.0102	0.0596	0.0000	0.0000	0.0000
52490	TOLUENE	0.1721	7.4273	0.0014	0.0000	0.0014
52510	XYLENE-U	0.1398	5.6931	0.0011	0.0000	0.0011
53120	ETHYLENE DIBROMIDE	0.0193	0.1124	0.0000	0.0000	0.0000
53210	CARBON TETRACHLORIDE	0.0159	0.0930	0.0000	0.0000	0.0000
53220	CHLOROFORM	0.0035	0.0192	0.0000	0.0000	0.0000
53250	METHYLENE CHLORIDE	0.0048	0.0270	0.0000	0.0000	0.0000
53291	1,1,2-TRICHLOROETHANE	0.0082	0.0464	0.0000	0.0000	0.0000
53322	1,3-DICHLOROPROPENE	0.0128	0.0754	0.0000	0.0000	0.0000
53390	1,1,1,2-TETRACHLOROETHANE	0.0173	0.1014	0.0000	0.0000	0.0000
55150	1,3- BUTADIENE	0.0749	0.4370	0.0000	0.0000	0.0000
56610	2,2,4-TRIMETHYLPENTANE	0.0722	0.4200	0.0000	0.0000	0.0000
56730	N-HEXANE	0.4432	29.8181	0.0234	0.0030	0.0264
Total		8.5309	125.3700	0.0278	0.0033	0.0311