



2023 CONTAMINANT SUMMARY REPORT

June 19, 2024

3:13 pm

CN : CN603988692

Organization : MARATHON OIL EF LLC

RN : RN107116956

Account : KAA016P

Site : CENTRAL 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	2.8772	16.0952	0.0000	0.0000	0.0000
VOC	51.4501	310.6230	0.9486	10.0130	10.9616
CO	20.6782	119.1668	1.4210	14.9996	16.4206
NOX	38.2608	214.6343	0.7118	7.5135	8.2253
SO2	1.8071	9.7491	0.0156	0.1656	0.1812
PM10	2.8772	16.0952	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	2.9418	16.0952	0.0000	0.0000	0.0000
20000	PM10 PART-U	2.8772	16.0952	0.0000	0.0000	0.0000
39999	TOTAL PM2.5 PARTICULATE	2.8772	16.0952	0.0000	0.0000	0.0000
50001	VOC-UNCLASSIFIED	30.1006	192.1736	0.9382	9.9033	10.8415
51530	METHANOL	0.4646	2.5937	0.0000	0.0000	0.0000
51550	PHENOL	0.0010	0.0052	0.0000	0.0000	0.0000
51620	ACETALDEHYDE	1.5539	8.6737	0.0000	0.0000	0.0000
51640	ACROLEIN	0.9550	5.3312	0.0000	0.0000	0.0000
51680	FORMALDEHYDE	0.0624	0.3510	0.0000	0.0000	0.0000
51762	BENZO G,H,I PERYLENE	0.0000	0.0000	0.0000	0.0000	0.0000
52420	BENZENE	0.1703	1.5151	0.0000	0.0000	0.0000
52430	CHLOROBENZENE	0.0012	0.0066	0.0000	0.0000	0.0000
52444	BENZO B FLUORANTHENE	0.0000	0.0000	0.0000	0.0000	0.0000
52450	ETHYL BENZENE	0.0250	0.1605	0.0000	0.0000	0.0000
52460	NAPHTHALENE	0.0131	0.0772	0.0000	0.0000	0.0000
52463	ACENAPHTHYLENE	0.0002	0.0012	0.0000	0.0000	0.0000
52475	BIPHENYL	0.0084	0.0462	0.0000	0.0000	0.0000
52478	PYRENE	0.0000	0.0003	0.0000	0.0000	0.0000
52480	STYRENE	0.0009	0.0052	0.0000	0.0000	0.0000
52488	2-METHYLNAPHTHALENE	0.0082	0.0288	0.0000	0.0000	0.0000
52490	TOLUENE	0.1796	0.8962	0.0000	0.0000	0.0000
52510	XYLENE-U	0.0757	1.2520	0.0000	0.0000	0.0000
53120	ETHYLENE DIBROMIDE	0.0017	0.0096	0.0000	0.0000	0.0000
53210	CARBON TETRACHLORIDE	0.0015	0.0080	0.0000	0.0000	0.0000
53220	CHLOROFORM	0.0011	0.0062	0.0000	0.0000	0.0000
53250	METHYLENE CHLORIDE	0.0007	0.0043	0.0000	0.0000	0.0000
53291	1,1,2-TRICHLOROETHANE	0.0013	0.0069	0.0000	0.0000	0.0000
53322	1,3-DICHLOROPROPENE	0.0010	0.0058	0.0000	0.0000	0.0000
53390	1,1,1,2-TETRACHLOROETHANE	0.0016	0.0087	0.0000	0.0000	0.0000



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55150	1,3- BUTADIENE	0.0106	0.0582	0.0000	0.0000	0.0000
55800	VINYL CHLORIDE	0.0006	0.0033	0.0000	0.0000	0.0000
56100	CYCLOPENTANE	0.0128	0.0707	0.0000	0.0000	0.0000
56150	METHYLCYCLOHEXANE	0.0695	0.3831	0.0000	0.0000	0.0000
56576	HEPTANE ISOMERS	0.0000	0.0000	0.0000	0.0000	0.0000
56595	HEXANE BRANCHED ISOMER-U	0.0000	0.0000	0.0000	0.0000	0.0000
56609	2,2,3 - TRIMETHYLPENTANE	0.0058	0.0318	0.0000	0.0000	0.0000
56610	2,2,4-TRIMETHYLPENTANE	0.0465	0.2593	0.0000	0.0000	0.0000
56625	ISOBUTANE	1.5782	8.7886	0.0000	0.0000	0.0000
56674	OCTANE	0.0000	0.0000	0.0000	0.0000	0.0000
56680	DECANE	0.0000	0.0000	0.0000	0.0000	0.0000
56700	ISO PENTANE	0.9312	5.1973	0.0000	0.0000	0.0000
56703	NONANE	0.0000	0.0000	0.0000	0.0000	0.0000
56725	N BUTANE	3.2804	18.2807	0.0000	0.0000	0.0000
56730	N-HEXANE	0.4773	1.7981	0.0104	0.1097	0.1201
56750	PENTANE	0.0000	0.0000	0.0000	0.0000	0.0000
56751	2,2,4- TRIMETHYLPENTANE	0.0000	0.0000	0.0000	0.0000	0.0000
56752	N-PENTANE	1.0862	5.2464	0.0000	0.0000	0.0000
56775	PROPANE	10.3307	57.3706	0.0000	0.0000	0.0000
58320	BENZO-A-PYRENE	0.0000	0.0000	0.0000	0.0000	0.0000
59866	PHENANTHRENE	0.0004	0.0023	0.0000	0.0000	0.0000
70300	HYDROGEN SULFIDE	0.0418	1.2651	0.0002	0.0019	0.0021
70400	NITROGEN OXIDES	38.2608	214.6343	0.7118	7.5135	8.2253
70510	SULFUR DIOXIDE	1.8071	9.7491	0.0156	0.1656	0.1812
90300	CARBON MONOXIDE	20.6782	119.1668	1.4210	14.9996	16.4206



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HAPS SUMMARY REPORT

Contam	Contam Name	Annual (TPY)	Ozone (PPD)	SMSS (TPY)	Emiss Event (TPY)	EE/SMSS (TPY)
51530	METHANOL	0.4646	2.5937	0.0000	0.0000	0.0000
51550	PHENOL	0.0010	0.0052	0.0000	0.0000	0.0000
51620	ACETALDEHYDE	1.5539	8.6737	0.0000	0.0000	0.0000
51640	ACROLEIN	0.9550	5.3312	0.0000	0.0000	0.0000
51680	FORMALDEHYDE	0.0624	0.3510	0.0000	0.0000	0.0000
51762	BENZO G,H,I PERYLENE	0.0000	0.0000	0.0000	0.0000	0.0000
52420	BENZENE	0.1703	1.5151	0.0000	0.0000	0.0000
52430	CHLOROBENZENE	0.0012	0.0066	0.0000	0.0000	0.0000
52444	BENZO B FLUORANTHENE	0.0000	0.0000	0.0000	0.0000	0.0000
52450	ETHYL BENZENE	0.0250	0.1605	0.0000	0.0000	0.0000
52460	NAPHTHALENE	0.0131	0.0772	0.0000	0.0000	0.0000
52463	ACENAPHTHYLENE	0.0002	0.0012	0.0000	0.0000	0.0000
52475	BIPHENYL	0.0084	0.0462	0.0000	0.0000	0.0000
52478	PYRENE	0.0000	0.0003	0.0000	0.0000	0.0000
52480	STYRENE	0.0009	0.0052	0.0000	0.0000	0.0000
52488	2-METHYLNAPHTHALENE	0.0082	0.0288	0.0000	0.0000	0.0000
52490	TOLUENE	0.1796	0.8962	0.0000	0.0000	0.0000
52510	XYLENE-U	0.0757	1.2520	0.0000	0.0000	0.0000
53120	ETHYLENE DIBROMIDE	0.0017	0.0096	0.0000	0.0000	0.0000
53210	CARBON TETRACHLORIDE	0.0015	0.0080	0.0000	0.0000	0.0000
53220	CHLOROFORM	0.0011	0.0062	0.0000	0.0000	0.0000
53250	METHYLENE CHLORIDE	0.0007	0.0043	0.0000	0.0000	0.0000
53291	1,1,2-TRICHLOROETHANE	0.0013	0.0069	0.0000	0.0000	0.0000
53322	1,3-DICHLOROPROPENE	0.0010	0.0058	0.0000	0.0000	0.0000
53390	1,1,2,2-TETRACHLOROETHANE	0.0016	0.0087	0.0000	0.0000	0.0000
55150	1,3- BUTADIENE	0.0106	0.0582	0.0000	0.0000	0.0000
55800	VINYL CHLORIDE	0.0006	0.0033	0.0000	0.0000	0.0000
56610	2,2,4-TRIMETHYLPENTANE	0.0465	0.2593	0.0000	0.0000	0.0000
56730	N-HEXANE	0.4773	1.7981	0.0104	0.1097	0.1201
56751	2,2,4- TRIMETHYLPENTANE	0.0000	0.0000	0.0000	0.0000	0.0000
58320	BENZO-A-PYRENE	0.0000	0.0000	0.0000	0.0000	0.0000
59866	PHENANTHRENE	0.0004	0.0023	0.0000	0.0000	0.0000
Total		4.0638	23.1148	0.0104	0.1097	0.1201