



2023 CONTAMINANT SUMMARY REPORT

August 28, 2024

3:42 pm

CN : CN603164716

Organization : OQ CHEMICALS CORPORATION

RN : RN105195655

Account : MHA002B

Site : BAY CITY PLANT

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	23.6999	129.8623	0.0000	0.0000	0.0000
VOC	104.8649	574.1121	0.0000	1.0526	1.0526
CO	295.7311	1620.4073	0.0000	0.6819	0.6819
NOX	469.7882	2574.1815	0.0000	0.0000	0.0000
SO2	2.2572	12.3686	0.0000	0.0000	0.0000
PM10	27.5555	150.9885	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	27.5555	150.9885	0.0000	0.0000	0.0000
14540	RHODIUM-RH	0.0000	0.0000	0.0000	0.0000	0.0000
20000	PM10 PART-U	27.5555	150.9885	0.0000	0.0000	0.0000
21000	PM10 PART - CHEMICAL-U	0.0000	0.0000	0.0000	0.0000	0.0000
39999	TOTAL PM2.5 PARTICULATE	23.6999	129.8623	0.0000	0.0000	0.0000
50001	VOC-UNCLASSIFIED	13.3783	73.0862	0.0000	0.0007	0.0007
51100	ORGANIC ACID-U	0.0000	0.0000	0.0000	0.0000	0.0000
51120	ACETIC ACID	5.4504	29.8649	0.0000	0.0002	0.0002
51121	ACETATE-U	1.7190	9.4191	0.0000	0.0000	0.0000
51127	HEPTANOIC ACID	0.6654	3.6463	0.0000	0.0000	0.0000
51132	NONANOIC ACID	0.9559	5.2383	0.0000	0.0000	0.0000
51135	BUTYRIC ACID	0.0131	0.0719	0.0000	0.0000	0.0000
51220	PROPIONIC ACID	0.0030	0.0163	0.0000	0.0000	0.0000
51400	ALCOHOLS-U	0.7326	4.0141	0.0000	0.0000	0.0000
51440	N-BUTYL ALCOHOL	8.8756	48.6346	0.0000	0.8310	0.8310
51460	ETHANOL	0.0000	0.0001	0.0000	0.0000	0.0000
51471	ETHYLENE GLYCOL	0.0413	0.2268	0.0000	0.0000	0.0000
51472	PROPYLENE GLYCOL	0.0025	0.0134	0.0000	0.0000	0.0000
51490	ISOBUTANOL	4.3984	24.1009	0.0000	0.1108	0.1108
51510	ISOPROPANOL	0.0000	0.0000	0.0000	0.0000	0.0000
51521	ETHYL HEXANOL 2	0.0008	0.0041	0.0000	0.0000	0.0000
51530	METHANOL	0.0226	0.1240	0.0000	0.0000	0.0000
51570	N-PROPANOL	6.0058	32.9080	0.0000	0.0009	0.0009
51600	ALDEHYDES-U	2.3554	12.9066	0.0000	0.0000	0.0000
51601	ETHYLHEXALDEHYDE DOT	0.0497	0.2725	0.0000	0.0000	0.0000
51620	ACETALDEHYDE	0.9087	4.9806	0.0000	0.0000	0.0000
51640	ACROLEIN	0.0446	0.2448	0.0000	0.0000	0.0000
51660	BUTYRALDEHYDE	7.3325	40.2175	0.0000	0.0076	0.0076
51661	ISOBUTYRALDEHYDE	2.5195	13.8064	0.0000	0.0128	0.0128



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51665	HEPTANAL	0.6338	3.4729	0.0000	0.0000	0.0000
51671	ETHYL-3-PROPYL ACROLEIN, 2-	0.3720	2.0385	0.0000	0.0000	0.0000
51680	FORMALDEHYDE	0.0717	0.0000	0.0000	0.0000	0.0000
51721	PROPIONALDEHYDE	2.0156	11.0445	0.0000	0.0000	0.0000
52202	METHYLDIETHANOLAMINE	0.0165	0.0902	0.0000	0.0000	0.0000
52250	DIETHYLAMINE	0.0059	0.0321	0.0000	0.0000	0.0000
52279	MONOETHANOLAMINE	0.0611	0.3349	0.0000	0.0000	0.0000
52420	BENZENE	0.0439	0.2409	0.0000	0.0002	0.0002
52490	TOLUENE	0.0277	0.1523	0.0000	0.0000	0.0000
52510	XYLENE-U	0.0000	0.0000	0.0000	0.0000	0.0000
52600	ESTERS-U	0.0441	0.2418	0.0000	0.0000	0.0000
52630	PROPYL ACETATE	5.7264	31.4108	0.0000	0.0000	0.0000
52639	BUTYL ETHER, N-	0.1489	0.8163	0.0000	0.0000	0.0000
52640	BUTYL ACETATE	7.0424	38.6280	0.0000	0.0568	0.0568
52641	ISOBUTYL ACETATE	3.9700	21.7537	0.0000	0.0004	0.0004
52680	ETHYL ACETATE	0.1098	0.6019	0.0000	0.0000	0.0000
52760	METHYL ACETATE	0.1036	0.5674	0.0000	0.0000	0.0000
52791	N-PROPYL FORMATE	0.0000	0.0000	0.0000	0.0000	0.0000
52796	PROPYL PROPIONATE	0.0337	0.1837	0.0000	0.0000	0.0000
52891	VINYL ACETATE	1.9010	10.5253	0.0000	0.0296	0.0296
52900	DIPROPYL ETHER	0.3894	2.1339	0.0000	0.0000	0.0000
52920	ISOPROPYL ETHER	0.0000	0.0000	0.0000	0.0000	0.0000
54020	ACETONE	0.0087	0.0476	0.0000	0.0000	0.0000
54065	METHYL ETHYL KETONE	0.0000	0.0000	0.0000	0.0000	0.0000
54070	METHYL ISOBUTYL KETONE	0.0000	0.0000	0.0000	0.0000	0.0000
55000	OLEFINS-U	0.0023	0.0128	0.0000	0.0000	0.0000
55003	DECENE, 1-	0.0000	0.0000	0.0000	0.0000	0.0000
55300	ETHYLENE	3.2515	17.8051	0.0000	0.0000	0.0000
55310	BUTYLETHYLENE	0.0000	0.0000	0.0000	0.0000	0.0000
55320	HEPTENES MIXED ISOMERS	0.0303	0.1654	0.0000	0.0000	0.0000
55529	2-METHYL-1-PENTENE	0.3382	1.8479	0.0000	0.0000	0.0000
55600	PROPYLENE	2.0291	11.1114	0.0000	0.0000	0.0000
56050	CYCLOHEXANE	0.0384	0.2101	0.0000	0.0000	0.0000
56526	DIMETHYL BUTANE 2,2	0.0172	0.0943	0.0000	0.0000	0.0000
56528	ISOHEXANE AKA 2-METHYLPENTANE	0.0036	0.0199	0.0000	0.0000	0.0000
56550	ETHANE	1.1324	6.2063	0.0000	0.0165	0.0165
56575	HEPTANE	0.0050	0.0274	0.0000	0.0000	0.0000
56590	HEXENE	7.4836	40.9655	0.0000	0.0002	0.0002



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56595	HEXANE BRANCHED ISOMER-U	0.0000	0.0000	0.0000	0.0000	0.0000
56600	HEXANE	1.0774	5.8933	0.0000	0.0000	0.0000
56625	ISOBUTANE	0.0982	0.5381	0.0000	0.0000	0.0000
56673	OCTENE	1.8257	10.0014	0.0000	0.0000	0.0000
56674	OCTANE	0.7669	4.2010	0.0000	0.0000	0.0000
56725	N BUTANE	0.4080	2.2351	0.0000	0.0000	0.0000
56750	PENTANE	0.1929	1.0573	0.0000	0.0000	0.0000
56775	PROPANE	7.6223	41.7575	0.0000	0.0014	0.0014
58420	ACETIC ANHYDRIDE	0.0000	0.0000	0.0000	0.0000	0.0000
58846	TRIPHENYL PHOSPHATE	0.0000	0.0000	0.0000	0.0000	0.0000
59000	VOC GAS MIXTURE-U	1.5853	8.6695	0.0000	0.0000	0.0000
59002	DISTILLATE	0.0000	0.0000	0.0000	0.0000	0.0000
59003	GASOLINE	0.0000	0.0000	0.0000	0.0000	0.0000
59150	DIESEL	0.0000	0.0000	0.0000	0.0000	0.0000
70050	AMMONIA	1.3596	7.4498	0.0000	0.0000	0.0000
70300	HYDROGEN SULFIDE	4.7012	25.7602	0.0000	0.0000	0.0000
70400	NITROGEN OXIDES	469.7882	2574.1815	0.0000	0.0000	0.0000
70403	NITROUS OXIDE	0.0002	0.0012	0.0000	0.0000	0.0000
70510	SULFUR DIOXIDE	2.2572	12.3686	0.0000	0.0000	0.0000
90300	CARBON MONOXIDE	295.7311	1620.4073	0.0000	0.6819	0.6819

HAPS SUMMARY REPORT

Contam	Contam Name	Annual (TPY)	Ozone (PPD)	SMSS (TPY)	Emiss Event (TPY)	EE/SMSS (TPY)
51471	ETHYLENE GLYCOL	0.0413	0.2268	0.0000	0.0000	0.0000
51530	METHANOL	0.0226	0.1240	0.0000	0.0000	0.0000
51620	ACETALDEHYDE	0.9087	4.9806	0.0000	0.0000	0.0000
51640	ACROLEIN	0.0446	0.2448	0.0000	0.0000	0.0000
51680	FORMALDEHYDE	0.0717	0.0000	0.0000	0.0000	0.0000
51721	PROPIONALDEHYDE	2.0156	11.0445	0.0000	0.0000	0.0000
52420	BENZENE	0.0439	0.2409	0.0000	0.0002	0.0002
52490	TOLUENE	0.0277	0.1523	0.0000	0.0000	0.0000
52510	XYLENE-U	0.0000	0.0000	0.0000	0.0000	0.0000
52891	VINYL ACETATE	1.9010	10.5253	0.0000	0.0296	0.0296
54070	METHYL ISOBUTYL KETONE	0.0000	0.0000	0.0000	0.0000	0.0000
56600	HEXANE	1.0774	5.8933	0.0000	0.0000	0.0000
Total		6.1545	33.4325	0.0000	0.0298	0.0298