



2023 CONTAMINANT SUMMARY REPORT

July 25, 2024

1:44 pm

CN : CN600344402

Organization : LYONDELL CHEMICAL COMPANY

RN : RN102523107

Account : HG05370

Site : BAYPORT CHOATE 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	7.5407	40.7764	0.0000	0.0000	0.0000
VOC	204.5347	1101.9184	2.4164	9.8716	12.2880
CO	116.2487	676.5766	0.1273	0.0849	0.2122
NOX	94.9903	446.3829	0.0250	0.0388	0.0638
SO2	1.0120	6.3017	0.0000	0.0000	0.0000
PM10	12.7459	70.1705	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	11.4745	62.5214	0.0000	0.0000	0.0000
11000	PART - CHEMICAL-U	0.0000	0.0000	0.0000	0.0000	0.0000
14387	MOLYBDENUM TRIOXIDE	2.2761	13.5509	0.0000	0.0000	0.0000
14623	SODIUM ACETATE	0.0099	0.0544	0.0000	0.0000	0.0000
14630	SODIUM HYDROXIDE, NAOH	0.0001	0.0000	0.0000	0.0000	0.0000
15000	ORGANO METAL - U	0.0000	0.0000	0.0000	0.0000	0.0000
20000	PM10 PART-U	10.4698	56.6196	0.0000	0.0000	0.0000
24387	PM10 MOLYBDENUM TRIOXIDE	2.2761	13.5509	0.0000	0.0000	0.0000
39999	TOTAL PM2.5 PARTICULATE	7.5407	40.7764	0.0000	0.0000	0.0000
50001	VOC-UNCLASSIFIED	24.1552	139.1972	0.8309	0.0924	0.9233
51100	ORGANIC ACID-U	0.0000	0.0000	0.0000	0.0000	0.0000
51120	ACETIC ACID	0.5121	2.6871	0.0000	0.0042	0.0042
51121	ACETATE-U	0.0000	0.0000	0.0000	0.0000	0.0000
51180	FORMIC ACID	0.2668	1.3659	0.0000	0.0012	0.0012
51220	PROPIONIC ACID	0.0048	0.0262	0.0000	0.0000	0.0000
51400	ALCOHOLS-U	0.0655	0.2452	0.0000	0.0000	0.0000
51410	ALLYL ALCOHOL	0.0000	0.0000	0.0000	0.0000	0.0000
51430	2- BUTOXYETHANOL	0.0179	0.0983	0.0000	0.0000	0.0000
51440	N-BUTYL ALCOHOL	0.0018	0.0098	0.0000	0.0000	0.0000
51460	ETHANOL	0.7196	4.5254	0.0000	0.0029	0.0029
51470	GLYCOLS-U	0.0067	0.0077	0.0000	0.0021	0.0021
51472	PROPYLENE GLYCOL	10.8319	43.4704	0.0000	0.1298	0.1298
51479	DIPROPYLENE GLYCOL	6.0997	33.4122	0.0000	0.0086	0.0086
51482	TRIETHYLENE GLYCOL	0.0000	0.0000	0.0000	0.0000	0.0000
51490	ISOBUTANOL	0.2685	1.3046	0.0000	0.0000	0.0000
51510	ISOPROPANOL	0.0072	0.0395	0.0000	0.0003	0.0003
51530	METHANOL	3.4286	12.0656	0.0000	5.9815	5.9815
51570	N-PROPANOL	0.0016	0.0086	0.0000	0.0000	0.0000
51580	SEC BUTYL ALCOHOL	0.0006	0.0031	0.0000	0.0000	0.0000



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51590	TERT BUTYL ALCOHOL	35.5903	112.7010	0.0000	2.0031	2.0031
51620	ACETALDEHYDE	0.0163	0.0873	0.0000	0.0000	0.0000
51661	ISOBUTYRALDEHYDE	0.0380	0.2081	0.0000	0.0000	0.0000
51721	PROPIONALDEHYDE	0.0093	0.0507	0.0000	0.0000	0.0000
51752	BUTENE CIS-2	0.6398	3.3523	0.0000	0.0000	0.0000
52221	MONOMETHYL ANILINE	0.1066	0.5842	0.0000	0.0000	0.0000
52600	ESTERS-U	0.0000	0.0000	0.0000	0.0000	0.0000
52639	BUTYL ETHER, N-	0.0349	0.1913	0.0000	0.0000	0.0000
52642	TERT-BUTYL ACETATE	0.2323	1.2728	0.0000	0.0000	0.0000
52643	SEC-BUTYL ACETATE	0.0028	0.0153	0.0000	0.0000	0.0000
52670	N-BUTYL FORMATE	0.6490	3.5559	0.0000	0.0000	0.0000
52718	ETHYL FORMATE	0.0475	0.2602	0.0000	0.0000	0.0000
52760	METHYL ACETATE	0.0006	0.0031	0.0000	0.0000	0.0000
52784	METHYL FORMATE	0.0314	0.1722	0.0000	0.0000	0.0000
52800	ETHERS-U	0.0056	0.0342	0.0000	0.0000	0.0000
52815	METHYL TERT BUTYL ETHER	0.0253	0.1386	0.0000	0.0003	0.0003
52830	GLYCOL ETHERS CELLOSOLVES	0.0000	0.0000	0.0000	0.0000	0.0000
52834	PROPYLENE GLYCOL MONOMETHYL ETHER	2.2129	12.2402	0.0000	0.0067	0.0067
52835	DIPROPYLENE GLYCOL MONOMETHYL ETHER	1.5269	8.3459	0.0000	0.0533	0.0533
52878	METHYL TERT-BUTYL ETHER	0.0002	0.0010	0.0000	0.0000	0.0000
52880	DIETHYL ETHER	0.0030	0.0163	0.0000	0.0000	0.0000
52884	BUTYL ETHYL ETHER, TERT-	2.5488	15.7269	0.0000	0.0398	0.0398
52901	DIPROPYLENE GLYCOL METHYLENE	0.0000	0.0000	0.0000	0.0000	0.0000
53475	CHLORODIFLUOROMETHANE	0.0000	0.0000	0.0000	0.0000	0.0000
53600	ORGANO PEROXIDES-U	0.0215	0.0000	0.0000	0.0229	0.0229
53605	DI-TERT-BUTYL PEROXIDE	0.1608	0.8811	0.0000	0.0000	0.0000
54000	KETONES-U	0.0000	0.0000	0.0000	0.0000	0.0000
54020	ACETONE	5.8654	31.6784	0.0000	1.4040	1.4040
54065	METHYL ETHYL KETONE	0.5975	3.2668	0.0000	0.0025	0.0025
55175	BUTENE	0.1371	0.7863	0.0000	0.0000	0.0000
55176	1-BUTENE	0.1027	0.5625	0.0000	0.0000	0.0000
55178	ISOBUTENE	0.0000	0.0000	0.0000	0.0000	0.0000
55179	TRANS-2-BUTENE	0.7240	3.9039	0.0000	0.0000	0.0000
55300	ETHYLENE	0.2672	2.0233	0.0000	0.0000	0.0000
55400	ISOBUTYLENE	19.6035	133.7638	1.1033	0.0493	1.1526
55600	PROPYLENE	14.8690	85.8746	0.0000	0.3463	0.3463
56550	ETHANE	1.7712	10.2588	0.0000	0.0065	0.0065



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56575	HEPTANE	0.0354	0.1938	0.0000	0.0000	0.0000
56600	HEXANE	0.0198	0.1086	0.0000	0.0000	0.0000
56615	DIISOBUTYLENE	0.0020	0.0109	0.0000	0.0000	0.0000
56625	ISOBUTANE	37.2155	246.4638	0.3390	0.2063	0.5453
56674	OCTANE	2.2915	6.0067	0.0000	0.0017	0.0017
56675	ISO OCTANE	0.0378	0.2073	0.0000	0.0000	0.0000
56703	NONANE	0.1371	0.3794	0.0000	0.0000	0.0000
56725	N BUTANE	13.7017	86.9248	0.1432	0.0091	0.1523
56750	PENTANE	0.0258	0.1413	0.0000	0.0000	0.0000
56752	N-PENTANE	0.0000	0.0000	0.0000	0.0000	0.0000
56775	PROPANE	8.3010	45.9692	0.0000	0.0871	0.0871
58231	ACETAMIDE	0.0010	0.0056	0.0000	0.0000	0.0000
58233	ISOBUTYRIC ACID	0.0193	0.1059	0.0000	0.0000	0.0000
58400	VOC - OXYGENATED-U	0.0000	0.0000	0.0000	0.0000	0.0000
58445	1,2-BUTYLENE OXIDE	0.0000	0.0000	0.0000	0.0000	0.0000
58480	PROPYLENE OXIDE	16.2203	87.0083	0.0000	0.8202	0.8202
59003	GASOLINE	0.1953	1.3346	0.0000	0.0000	0.0000
59150	DIESEL	0.0022	0.0197	0.0000	0.0000	0.0000
70000	INORGANIC GASES-U	0.0596	0.3744	0.0000	0.0000	0.0000
70060	PEROXIDES-U	0.0000	0.0000	0.0000	0.0000	0.0000
70400	NITROGEN OXIDES	94.9903	446.3829	0.0250	0.0388	0.0638
70485	SODIUM HYDROXIDE-GAS	0.0011	0.0058	0.0000	0.0000	0.0000
70500	SULFUR OXIDE-U	0.1263	0.6566	0.0000	0.0000	0.0000
70510	SULFUR DIOXIDE	1.0120	6.3017	0.0000	0.0000	0.0000
70516	SULFURIC ACID VAPOR	0.0001	0.0005	0.0000	0.0000	0.0000
80500	NITROGEN	1.2263	6.7193	0.0000	0.0000	0.0000
90300	CARBON MONOXIDE	116.2487	676.5766	0.1273	0.0849	0.2122



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HAPS SUMMARY REPORT

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51530	METHANOL	3.4286	12.0656	0.0000	5.9815	5.9815
51620	ACETALDEHYDE	0.0163	0.0873	0.0000	0.0000	0.0000
51721	PROPIONALDEHYDE	0.0093	0.0507	0.0000	0.0000	0.0000
52815	METHYL TERT BUTYL ETHER	0.0253	0.1386	0.0000	0.0003	0.0003
52830	GLYCOL ETHERS CELLOSOLVES	0.0000	0.0000	0.0000	0.0000	0.0000
52878	METHYL TERT-BUTYL ETHER	0.0002	0.0010	0.0000	0.0000	0.0000
56600	HEXANE	0.0198	0.1086	0.0000	0.0000	0.0000
58231	ACETAMIDE	0.0010	0.0056	0.0000	0.0000	0.0000
58445	1,2-BUTYLENE OXIDE	0.0000	0.0000	0.0000	0.0000	0.0000
58480	PROPYLENE OXIDE	16.2203	87.0083	0.0000	0.8202	0.8202
Total		19.7208	99.4657	0.0000	6.8020	6.8020