



2023 CONTAMINANT SUMMARY REPORT

September 05, 2024

3:58 pm

CN : CN600124044

Organization : ARKEMA INC

RN : RN104150123

Account : HGA005E

Site : CLEAR LAKE

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	7.8110	41.3576	0.0000	0.0000	0.0000
VOC	26.0420	137.7458	0.4395	11.5608	12.0003
CO	5.8675	31.0476	0.0000	0.0000	0.0000
NOX	130.5432	691.4725	0.0000	0.0000	0.0000
SO2	0.2164	1.1401	0.0000	0.0000	0.0000
PM10	7.8110	41.3576	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	7.8110	41.3577	0.0000	0.0000	0.0000
11266	POLYVINYL ACETATE	0.0734	0.3888	0.0000	0.0000	0.0000
11482	PHENOLTHIAZINE	0.0049	0.0214	0.0000	0.0000	0.0000
14350	MANGANESE-MN	0.0000	0.0000	0.0000	0.0000	0.0000
20000	PM10 PART-U	7.8110	41.3576	0.0000	0.0000	0.0000
39999	TOTAL PM2.5 PARTICULATE	7.8110	41.3576	0.0000	0.0000	0.0000
50001	VOC-UNCLASSIFIED	3.8421	20.3441	0.0000	0.0000	0.0000
51120	ACETIC ACID	1.1576	6.1277	0.1624	0.0000	0.1624
51140	ACRYLIC ACID	8.5097	45.0714	0.0356	0.0664	0.1020
51180	FORMIC ACID	0.0000	0.0000	0.0000	0.0003	0.0003
51200	MALEIC ACID	0.0007	0.0001	0.0000	0.0000	0.0000
51220	PROPIONIC ACID	0.0073	0.0331	0.0000	0.0017	0.0017
51400	ALCOHOLS-U	0.5860	3.0939	0.0005	0.0000	0.0005
51405	BENZYL ALCOHOL	0.0278	0.1472	0.0000	0.0000	0.0000
51430	2- BUTOXYETHANOL	0.0000	0.0000	0.0000	0.0000	0.0000
51440	N-BUTYL ALCOHOL	0.2846	1.4983	0.0029	0.0020	0.0049
51460	ETHANOL	0.0002	0.0000	0.0000	0.0000	0.0000
51498	ETHYLENE GLYCOL DIACETATE	0.0877	0.4645	0.0000	0.0000	0.0000
51510	ISOPROPANOL	0.0000	0.0000	0.0000	0.0000	0.0000
51530	METHANOL	0.0000	0.0000	0.0000	0.0848	0.0848
51553	DIHYDROXYBENZENE 1,4	0.0222	0.1177	0.0000	0.0000	0.0000
51620	ACETALDEHYDE	0.0003	0.0000	0.0000	0.0000	0.0000
51640	ACROLEIN	0.0505	0.2588	0.0000	0.0004	0.0004
51680	FORMALDEHYDE	0.1538	0.7923	0.0000	0.0086	0.0086
52245	DIAMINOHEXANE 1,6	0.0220	0.1165	0.0000	0.0000	0.0000
52416	TRIMETHYL BENZENE, 1,2,4-	0.0033	0.0175	0.0000	0.0000	0.0000
52420	BENZENE	0.0003	0.0000	0.0000	0.0000	0.0000
52440	CUMENE	0.0000	0.0000	0.0000	0.0000	0.0000
52445	CHLOROETHANE	0.0000	0.0000	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)
52450	ETHYL BENZENE	0.0531	0.2813	0.0000	0.0000	0.0000
52490	TOLUENE	0.0373	0.1976	0.0000	0.0000	0.0000
52510	XYLENE-U	0.0000	0.0000	0.0000	0.0000	0.0000
52512	META-XYLENE	0.0883	0.4677	0.0000	0.0000	0.0000
52514	ORTHO-XYLENE	0.0271	0.1436	0.0000	0.0000	0.0000
52516	PARA-XYLENE	0.0558	0.2956	0.0000	0.0000	0.0000
52600	ESTERS-U	0.0000	0.0000	0.0000	0.0000	0.0000
52639	BUTYL ETHER, N-	0.0179	0.0749	0.0002	0.0000	0.0002
52640	BUTYL ACETATE	0.1424	0.7502	0.0025	0.0003	0.0028
52660	BUTYL ACRYLATE	3.8440	20.3516	0.0506	0.0728	0.1234
52680	ETHYL ACETATE	0.4258	2.2555	0.0000	0.0000	0.0000
52700	ETHYL ACRYLATE	0.9697	5.1322	0.1154	0.2752	0.3906
52760	METHYL ACETATE	0.0101	0.0473	0.0002	0.0008	0.0010
52770	METHYL ACRYLATE	0.6382	3.3760	0.0694	0.0799	0.1493
52780	METHYL METHACRYLATE	0.0001	0.0000	0.0000	0.0000	0.0000
52834	PROPYLENE GLYCOL MONOMETHYL ETHER	0.0000	0.0000	0.0000	0.0000	0.0000
52879	DIMETHYL ETHER	0.0228	0.1191	0.0000	0.0021	0.0021
52880	DIETHYL ETHER	0.0000	0.0000	0.0000	0.0000	0.0000
52891	VINYL ACETATE	0.0018	0.0003	0.0000	0.0000	0.0000
52912	EPOXY RESIN	0.0322	0.1705	0.0000	0.0000	0.0000
52922	METHOXY 1 PROPANOL 2	0.0233	0.1234	0.0000	0.0000	0.0000
53299	PARACHLOROBENZOTRIFLUORIDE	0.0000	0.0000	0.0000	0.0000	0.0000
53450	FREONS-U	2.1143	11.1993	0.0000	0.0000	0.0000
53475	CHLORODIFLUOROMETHANE	0.0000	0.0000	0.0000	0.0000	0.0000
53575	METHYL IODIDE	0.0014	0.0003	0.0000	0.0000	0.0000
54020	ACETONE	0.0000	0.0000	0.0000	0.0000	0.0000
54065	METHYL ETHYL KETONE	0.0121	0.0641	0.0000	0.0000	0.0000
54295	HYDROQUINONE	0.0012	0.0002	0.0000	0.0000	0.0000
55176	1-BUTENE	2.0398	10.7863	0.0000	0.0401	0.0401
55300	ETHYLENE	0.4884	2.5871	0.0000	0.0327	0.0327
55600	PROPYLENE	1.2966	6.8679	0.0000	10.8906	10.8906
55800	VINYL CHLORIDE	0.0006	0.0001	0.0000	0.0000	0.0000
56550	ETHANE	0.0476	0.2522	0.0000	0.0000	0.0000
56600	HEXANE	0.0094	0.0497	0.0000	0.0000	0.0000
56725	N BUTANE	0.0044	0.0171	0.0000	0.0000	0.0000
56750	PENTANE	0.0023	0.0004	0.0000	0.0000	0.0000
56775	PROPANE	0.8892	4.7101	0.0000	0.0021	0.0021
58440	ETHYLENE OXIDE	0.0706	0.3652	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)
58846	TRIPHENYL PHOSPHATE	0.0297	0.1573	0.0000	0.0000	0.0000
58999	AROMATIC PETROLEUM DISTILLATE LIGHT	0.0242	0.1282	0.0000	0.0000	0.0000
59012	PETROLEUM SULFONATE	0.0094	0.0473	0.0000	0.0008	0.0008
59275	MINERAL SPIRITS	0.0268	0.1419	0.0000	0.0000	0.0000
60000	METHANE	1.6510	8.7452	0.0000	0.0000	0.0000
70030	HYDROGEN	0.0324	0.1717	0.0000	0.0000	0.0000
70050	AMMONIA	4.1064	21.7515	0.0000	0.0010	0.0010
70052	ARGON	6176.8159	32718.2923	0.0000	0.0000	0.0000
70400	NITROGEN OXIDES	130.5432	691.4725	0.0000	0.0000	0.0000
70403	NITROUS OXIDE	1.2646	6.6987	0.0000	0.0000	0.0000
70510	SULFUR DIOXIDE	0.2164	1.1401	0.0000	0.0000	0.0000
90100	CARBON DIOXIDE	0.0012	0.0002	0.0000	0.4838	0.4838
90300	CARBON MONOXIDE	5.8675	31.0476	0.0000	0.0000	0.0000



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HAPS SUMMARY REPORT

Contam	Contam Name	Annual (TPY)	Ozone (PPD)	SMSS (TPY)	Emiss Event (TPY)	EE/SMSS (TPY)
11482	PHENOLTHIAZINE	0.0049	0.0214	0.0000	0.0000	0.0000
14350	MANGANESE-MN	0.0000	0.0000	0.0000	0.0000	0.0000
51140	ACRYLIC ACID	8.5097	45.0714	0.0356	0.0664	0.1020
51530	METHANOL	0.0000	0.0000	0.0000	0.0848	0.0848
51553	DIHYDROXYBENZENE 1,4	0.0222	0.1177	0.0000	0.0000	0.0000
51620	ACETALDEHYDE	0.0003	0.0000	0.0000	0.0000	0.0000
51640	ACROLEIN	0.0505	0.2588	0.0000	0.0004	0.0004
51680	FORMALDEHYDE	0.1538	0.7923	0.0000	0.0086	0.0086
52420	BENZENE	0.0003	0.0000	0.0000	0.0000	0.0000
52440	CUMENE	0.0000	0.0000	0.0000	0.0000	0.0000
52445	CHLOROETHANE	0.0000	0.0000	0.0000	0.0000	0.0000
52450	ETHYL BENZENE	0.0531	0.2813	0.0000	0.0000	0.0000
52490	TOLUENE	0.0373	0.1976	0.0000	0.0000	0.0000
52510	XYLENE-U	0.0000	0.0000	0.0000	0.0000	0.0000
52512	META-XYLENE	0.0883	0.4677	0.0000	0.0000	0.0000
52514	ORTHO-XYLENE	0.0271	0.1436	0.0000	0.0000	0.0000
52516	PARA-XYLENE	0.0558	0.2956	0.0000	0.0000	0.0000
52700	ETHYL ACRYLATE	0.9697	5.1322	0.1154	0.2752	0.3906
52780	METHYL METHACRYLATE	0.0001	0.0000	0.0000	0.0000	0.0000
52891	VINYL ACETATE	0.0018	0.0003	0.0000	0.0000	0.0000
53575	METHYL IODIDE	0.0014	0.0003	0.0000	0.0000	0.0000
54295	HYDROQUINONE	0.0012	0.0002	0.0000	0.0000	0.0000
55800	VINYL CHLORIDE	0.0006	0.0001	0.0000	0.0000	0.0000
56600	HEXANE	0.0094	0.0497	0.0000	0.0000	0.0000
58440	ETHYLENE OXIDE	0.0706	0.3652	0.0000	0.0000	0.0000
Total		10.0581	53.1954	0.1510	0.4354	0.5864