



2023 CONTAMINANT SUMMARY REPORT

September 16, 2024

12:16 pm

CN : CN601405145

Organization : SHELL CHEMICAL LP

RN : RN100211879

Account : HG0659W

Site : DEER PARK CHEMICALS

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	27.5659	151.0447	0.0000	0.0000	0.0000
VOC	389.9348	2136.6365	0.0000	136.0031	136.0031
CO	443.1466	2428.2018	0.0000	131.3336	131.3336
NOX	328.2176	1798.4517	0.0000	22.3105	22.3105
SO2	187.8878	1029.5223	0.0000	49.8151	49.8151
PB	0.0000	0.0002	0.0000	0.0000	0.0000
PM10	56.4207	309.1521	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	70.1224	384.2308	0.0000	70.6120	70.6120
11000	PART - CHEMICAL-U	0.0000	0.0000	0.0000	0.0000	0.0000
11100	AMMONIUM COMPOUNDS-U	0.0000	0.0000	0.0000	0.0000	0.0000
11160	HYDROCHLORIC ACID	0.0000	0.0000	0.0000	0.0000	0.0000
11170	PHOSPHORIC ACID	0.0000	0.0001	0.0000	0.0000	0.0000
11175	SULFURIC ACID	0.0475	0.2598	0.0000	0.0000	0.0000
11200	CONDENSED ORGANICS-U	0.0000	0.0000	0.0000	0.0000	0.0000
11260	POLYPROPYLENE	0.0000	0.0000	0.0000	0.0000	0.0000
11326	DIPHENYLAMINE	0.2470	1.3537	0.0000	0.0000	0.0000
11426	DIACETONE ALCOHOL	0.0000	0.0000	0.0000	0.0000	0.0000
11905	ANTHRACENE	0.0000	0.0000	0.0000	0.0000	0.0000
14016	ALUMINM OXIDE- AL2O3	0.0000	0.0000	0.0000	0.0000	0.0000
14305	FERRIC SULFATE	0.0000	0.0000	0.0000	0.0000	0.0000
14310	LEAD-PB	0.0000	0.0002	0.0000	0.0000	0.0000
14360	MERCURY-HG	0.0000	0.0003	0.0000	0.0000	0.0000
14622	SODIUM CARBONATE-NA2CO3	0.0000	0.0000	0.0000	0.0000	0.0000
14630	SODIUM HYDROXIDE, NAOH	0.0000	0.0000	0.0000	0.0000	0.0000
14633	SODIUM BISULFITE	0.0000	0.0000	0.0000	0.0000	0.0000
14637	SODIUM SULFIDE	0.0000	0.0000	0.0000	0.0000	0.0000
14638	SODIUM SULFATE SOLUTION	0.0000	0.0000	0.0000	0.0000	0.0000
14660	SULFUR-S	0.0000	0.0000	0.0000	0.0000	0.0000
14780	ZINC-ZN	0.0000	0.0000	0.0000	0.0000	0.0000
15105	MANGANESE CYCLOPENTADIENE	0.0000	0.0000	0.0000	0.0000	0.0000
20000	PM10 PART-U	56.4207	309.1521	0.0000	0.0000	0.0000
39999	TOTAL PM2.5 PARTICULATE	27.5659	151.0447	0.0000	0.0000	0.0000
50001	VOC-UNCLASSIFIED	19.6758	107.8115	0.0000	15.3863	15.3863
50002	POLYCYCLIC ORGANIC MATTER	0.0002	0.0030	0.0000	0.0000	0.0000
51400	ALCOHOLS-U	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)
51410	ALLYL ALCOHOL	0.0415	0.2271	0.0000	0.0000	0.0000
51415	DIACETONE ALCOHOL	0.3866	2.1189	0.0000	0.0000	0.0000
51419	METHYL-2-PENTANOL,4-	0.0000	0.0000	0.0000	0.0000	0.0000
51440	N-BUTYL ALCOHOL	0.5392	2.9552	0.0000	0.0000	0.0000
51456	DECYL ALCOHOL	0.1635	0.8963	0.0000	0.0000	0.0000
51460	ETHANOL	2.2227	12.1785	0.0000	0.0000	0.0000
51466	1-OCTADECANOL	0.0000	0.0000	0.0000	0.0000	0.0000
51467	SULFOLANE	0.0000	0.0000	0.0000	0.0000	0.0000
51471	ETHYLENE GLYCOL	0.1203	0.6594	0.0000	0.0000	0.0000
51472	PROPYLENE GLYCOL	0.0018	0.0100	0.0000	0.0000	0.0000
51482	TRIETHYLENE GLYCOL	0.0000	0.0000	0.0000	0.0000	0.0000
51483	TETRAETHYLENE GLYCOL	0.0000	0.0000	0.0000	0.0000	0.0000
51490	ISOBUTANOL	0.0495	0.2723	0.0000	0.0000	0.0000
51491	METHYL-2,4-PENTANEDIOL 2	0.5071	2.7790	0.0000	0.0000	0.0000
51493	METHYL CARBITOL	0.0143	0.0784	0.0000	0.0000	0.0000
51510	ISOPROPANOL	9.6988	53.1449	0.0000	0.0000	0.0000
51521	ETHYL HEXANOL 2	0.7083	3.8814	0.0000	0.0000	0.0000
51530	METHANOL	1.6236	8.8975	0.0000	0.1504	0.1504
51533	METHYL ISOAMYL ALCOHOL	0.0000	0.0000	0.0000	0.0000	0.0000
51534	O-CRESOL	0.0000	0.0001	0.0000	0.0000	0.0000
51549	PHENOLS-U	0.4788	2.6241	0.0000	0.0000	0.0000
51550	PHENOL	7.1004	38.9065	0.0000	0.0047	0.0047
51570	N-PROPANOL	0.2545	1.3953	0.0000	0.0000	0.0000
51572	DICHLORO 1,3 PROPANOL 3	0.1353	0.7416	0.0000	0.0000	0.0000
51576	EPOXY 1,2 PROPANOL 3	0.4347	2.3811	0.0000	0.0000	0.0000
51580	SEC BUTYL ALCOHOL	0.0110	0.0603	0.0000	0.0000	0.0000
51590	TERT BUTYL ALCOHOL	0.0130	0.0713	0.0000	0.0000	0.0000
51601	ETHYLHEXALDEHYDE DOT	0.0000	0.0000	0.0000	0.0000	0.0000
51620	ACETALDEHYDE	0.0064	0.0345	0.0000	0.0000	0.0000
51660	BUTYRALDEHYDE	0.0993	0.5445	0.0000	0.0000	0.0000
51661	ISOBUTYRALDEHYDE	0.0001	0.0011	0.0000	0.0000	0.0000
51662	METHYL BUTANAL, 2-	0.3650	1.9998	0.0000	0.0000	0.0000
51671	ETHYL-3-PROPYL ACROLEIN, 2-	0.0000	0.0000	0.0000	0.0000	0.0000
51680	FORMALDEHYDE	0.2758	1.5103	0.0000	0.0000	0.0000
51721	PROPIONALDEHYDE	0.0000	0.0000	0.0000	0.0000	0.0000
51740	VALERALDEHYDE	0.0000	0.0001	0.0000	0.0000	0.0000
51750	ALKENES-U	0.0000	0.0002	0.0000	0.0000	0.0000
51751	PENTADIENE E-1,3	0.0023	0.0127	0.0000	0.0005	0.0005



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51755	PENTADIENE, 1,4-	0.1403	0.7691	0.0000	0.0000	0.0000
51760	PIPERYLENE, CIS-	0.0161	0.0878	0.0000	0.0000	0.0000
51762	BENZO G,H,I PERYLENE	0.0000	0.0000	0.0000	0.0000	0.0000
51765	PIPERYLENE, TRANS-	0.0059	0.0320	0.0000	0.0000	0.0000
51810	ALKANES-U	7.4059	40.5797	0.0000	0.0000	0.0000
51820	ACETYLENE	0.0754	0.4129	0.0000	0.0912	0.0912
51825	METHYL ACETYLENE	0.0114	0.0625	0.0000	0.0005	0.0005
51840	BUTYNE	0.0062	0.0342	0.0000	0.0000	0.0000
51900	ALIPHATIC CYCLIC HYDROCARBONS-U	0.0003	0.0017	0.0000	0.0000	0.0000
52200	AMINES-U	0.0037	0.0204	0.0000	0.0000	0.0000
52210	ALKYL AMINE-U	0.0000	0.0000	0.0000	0.0000	0.0000
52213	ISOBUTYL AMINE	0.0000	0.0000	0.0000	0.0000	0.0000
52228	DIISOPROPANOLAMINE	0.0000	0.0000	0.0000	0.0000	0.0000
52243	CYCLOHEXYLAMINE	0.0008	0.0043	0.0000	0.0000	0.0000
52250	DIETHYLAMINE	1.3862	7.5957	0.0000	0.0000	0.0000
52252	DIETHANOLAMINE	0.3416	1.8719	0.0000	0.0000	0.0000
52255	DIISOPROPYLAMINE	0.0000	0.0000	0.0000	0.0000	0.0000
52259	PETROLEUM DISTILLATES	1.4999	8.2194	0.0000	0.0000	0.0000
52264	SWEETENED MIDDLE DISTILLATE	0.0000	0.0000	0.0000	0.0000	0.0000
52265	AROMATIC PETROLEUM DISTILLATE HEAVY	0.0154	0.0844	0.0000	0.0000	0.0000
52270	ETHYLAMINE	0.0000	0.0000	0.0000	0.0000	0.0000
52275	DIISOPROPYLBENZENE ALL ISOMERS	0.2845	1.5586	0.0000	0.0000	0.0000
52279	MONOETHANOLAMINE	0.0041	0.0226	0.0000	0.0000	0.0000
52280	ETHANOLAMINE	0.0000	0.0000	0.0000	0.0000	0.0000
52281	DIGLYCOLAMINE	0.4831	2.6474	0.0000	0.0000	0.0000
52290	ETHYLENE DIAMINE	0.0515	0.2823	0.0000	0.0000	0.0000
52296	METHYLAMYL ALCOHOL	0.1479	0.8100	0.0000	0.0000	0.0000
52299	MORPHOLINE	0.0000	0.0000	0.0000	0.0000	0.0000
52355	N,N'-DI-SEC-BUTYL-P-PHENYLDIAMINE	0.0001	0.0006	0.0000	0.0000	0.0000
52400	AROMATICS-U	15.5846	85.3955	0.0000	0.0000	0.0000
52410	ALPHA METHYL STYRENE	2.5021	13.7101	0.0000	0.0385	0.0385
52416	TRIMETHYL BENZENE, 1,2,4-	0.0490	0.2683	0.0000	0.0000	0.0000
52417	TRIMETHYL BENZENE, 1,2,3-	0.0000	0.0000	0.0000	0.0000	0.0000
52418	TRIMETHYL BENZENE, 1,3,5-	0.0323	0.1774	0.0000	0.0000	0.0000
52420	BENZENE	5.3362	29.2410	0.0000	0.6273	0.6273
52424	DICHLOROBENZENE MIXED ISOMERS	0.0045	0.0243	0.0000	0.0000	0.0000
52426	BENZENE SULFONYL CHLORIDE	0.0000	0.0000	0.0000	0.0000	0.0000
52428	TRIMETHYL BENZENE	0.0041	0.0227	0.0000	0.0000	0.0000



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52440	CUMENE	22.5102	123.3456	0.0000	0.1422	0.1422
52441	2,6-DI-TERT-BUTYL-P-CRESOL	0.0019	0.0105	0.0000	0.0000	0.0000
52442	BROMOCHLORODIFLUOROMETHANE	0.0000	0.0000	0.0000	0.0000	0.0000
52450	ETHYL BENZENE	1.4495	7.9427	0.0000	0.0004	0.0004
52457	INDENE	0.0103	0.0567	0.0000	0.0176	0.0176
52460	NAPHTHALENE	0.1235	0.6786	0.0000	2.1955	2.1955
52470	POLYNUCLEAR AROMATICS	0.0000	0.0000	0.0000	0.0000	0.0000
52474	BISPHENOL-A	0.0090	0.0488	0.0000	0.0000	0.0000
52477	FLUORANTHENE	0.0000	0.0000	0.0000	0.0000	0.0000
52480	STYRENE	0.0707	0.3878	0.0000	0.0280	0.0280
52484	VINYL TOLUENE	0.0000	0.0000	0.0000	0.0000	0.0000
52490	TOLUENE	13.0547	71.5317	0.0000	0.1732	0.1732
52510	XYLENE-U	4.1017	22.4749	0.0000	0.0000	0.0000
52512	META-XYLENE	0.0598	0.3274	0.0000	0.0212	0.0212
52514	ORTHO-XYLENE	0.0417	0.2289	0.0000	0.0000	0.0000
52516	PARA-XYLENE	0.0047	0.0266	0.0000	0.0000	0.0000
52639	BUTYL ETHER, N-	0.0009	0.0053	0.0000	0.0000	0.0000
52680	ETHYL ACETATE	0.0000	0.0000	0.0000	0.0000	0.0000
52700	ETHYL ACRYLATE	0.0000	0.0000	0.0000	0.0000	0.0000
52735	N-BUTYLBENZENE	0.1558	0.8532	0.0000	0.0000	0.0000
52736	TERT-BUTYLBENZENE	0.0000	0.0000	0.0000	0.0000	0.0000
52737	SEC-BUTYLBENZENE	0.0000	0.0000	0.0000	0.0000	0.0000
52765	METHYLBUTANOL, 2-	0.0000	0.0000	0.0000	0.0000	0.0000
52790	VINYLACETYLENE	0.0000	0.0000	0.0000	0.0000	0.0000
52830	GLYCOL ETHERS CELLOSOLVES	0.0000	0.0000	0.0000	0.0000	0.0000
52854	METHYL CELLOSOLVE	0.0000	0.0000	0.0000	0.0000	0.0000
52855	METHYLHEPTANE,3-	0.0000	0.0000	0.0000	0.0000	0.0000
52878	METHYL TERT-BUTYL ETHER	0.0000	0.0000	0.0000	0.0000	0.0000
52879	DIMETHYL ETHER	0.0000	0.0000	0.0000	0.0000	0.0000
52910	EPICHLOROHYDRIN	2.0525	11.2458	0.0000	0.0000	0.0000
52920	ISOPROPYL ETHER	0.0368	0.2015	0.0000	0.0000	0.0000
53220	CHLOROFORM	0.0389	0.2131	0.0000	0.0000	0.0000
53250	METHYLENE CHLORIDE	0.0077	0.0429	0.0000	0.0000	0.0000
53270	1,2-DICHLOROETHANE	0.0092	0.0505	0.0000	0.0000	0.0000
53290	1,1,1-TRICHLOROETHANE	0.0000	0.0000	0.0000	0.0000	0.0000
53325	1,3 - DICHLOROPROPYLENE	0.0000	0.0000	0.0000	0.0000	0.0000
53330	PROPYLENE DICHLORIDE	0.0000	0.0000	0.0000	0.0000	0.0000
53333	CHLOROHYDRIN	0.0000	0.0000	0.0000	0.0000	0.0000



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53340	TRICHLOROPROPANE	0.0330	0.1803	0.0000	0.0000	0.0000
53475	CHLORODIFLUOROMETHANE	0.0000	0.0000	0.0000	0.0000	0.0000
53625	CUMENE HYDROPEROXIDE	0.3191	1.7486	0.0000	0.0000	0.0000
54000	KETONES-U	0.0000	0.0000	0.0000	0.0000	0.0000
54020	ACETONE	26.1210	143.1321	0.0000	0.1103	0.1103
54058	N-METHYL-2-PYRROLIDONE	0.0003	0.0014	0.0000	0.0000	0.0000
54059	MESITYL OXIDE	0.0727	0.3996	0.0000	0.0000	0.0000
54065	METHYL ETHYL KETONE	0.2031	1.1147	0.0000	0.0000	0.0000
54070	METHYL ISOBUTYL KETONE	0.4895	2.6827	0.0000	0.0000	0.0000
55000	OLEFINS-U	16.1500	88.4937	0.0000	0.0000	0.0000
55003	DECENE,1-	0.0000	0.0000	0.0000	0.0000	0.0000
55100	CHLOROPROPENE 3	0.0000	0.0000	0.0000	0.0000	0.0000
55150	1,3- BUTADIENE	31.8903	174.7406	0.0000	8.0920	8.0920
55151	BUTADIENE, 1,2-	0.0371	0.2030	0.0000	0.0000	0.0000
55175	BUTENE	0.5193	2.8453	0.0000	0.0000	0.0000
55176	1-BUTENE	1.2840	7.0360	0.0000	3.1190	3.1190
55177	CIS-2-BUTENE	3.6692	20.1054	0.0000	0.8552	0.8552
55178	ISOBUTENE	15.3213	83.9524	0.0000	0.9411	0.9411
55179	TRANS-2-BUTENE	4.5447	24.9021	0.0000	1.2359	1.2359
55220	CYCLOPENTADIENE	0.1468	0.8047	0.0000	0.3988	0.3988
55225	DICYCLOPENTADIENE	0.2420	1.3253	0.0000	0.0145	0.0145
55300	ETHYLENE	25.6935	140.7836	0.0000	21.5870	21.5870
55320	HEPTENES MIXED ISOMERS	0.0000	0.0000	0.0000	0.0000	0.0000
55400	ISOBUTYLENE	0.0000	0.0000	0.0000	0.0000	0.0000
55405	BUTYLENES - UNCLASSIFIED	0.5764	3.1579	0.0000	0.0000	0.0000
55450	ISOPRENE	1.0053	5.5090	0.0000	0.0006	0.0006
55475	BUTENE 2-METHYL-2	0.5117	2.8041	0.0000	0.0003	0.0003
55476	BUTENE 2-METHYL-1	0.3486	1.9102	0.0000	0.0003	0.0003
55477	BUTENE 3-METHYL-1	0.0532	0.2914	0.0000	0.0001	0.0001
55500	PENTADIENE	0.2505	1.3730	0.0000	0.0000	0.0000
55525	PENTENE 1	0.5318	2.9131	0.0000	0.0003	0.0003
55526	PENTENE 2	0.0000	0.0000	0.0000	0.0000	0.0000
55527	CIS-2-PENTENE	0.1960	1.0735	0.0000	0.0000	0.0000
55528	TRANS-2-PENTENE	1.0354	5.6732	0.0000	0.0000	0.0000
55530	VINYL CYCLOHEXENE	0.0000	0.0001	0.0000	0.0000	0.0000
55550	PERCHLOROETHYLENE	0.0000	0.0000	0.0000	0.0000	0.0000
55600	PROPYLENE	27.0908	148.4434	0.0000	20.6909	20.6909
55610	PROPADIENE	0.0005	0.0026	0.0000	0.0000	0.0000



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56000	PARAFFINS-U	0.0517	0.2837	0.0000	0.0000	0.0000
56050	CYCLOHEXANE	0.0707	0.3873	0.0000	0.0001	0.0001
56100	CYCLOPENTANE	0.3016	1.6532	0.0000	0.3406	0.3406
56105	CYCLOPENTENE	0.0524	0.2871	0.0000	0.0000	0.0000
56150	METHYLCYCLOHEXANE	0.1178	0.6456	0.0000	0.0000	0.0000
56200	METHYLCYCLOPENTANE	0.0214	0.1175	0.0000	0.0000	0.0000
56524	2,3-DIMETHYLBUTANE	0.0187	0.1020	0.0000	0.0000	0.0000
56526	DIMETHYL BUTANE 2,2	0.0192	0.1056	0.0000	0.0000	0.0000
56528	ISOHEXANE AKA 2-METHYLPENTANE	0.1477	0.8091	0.0000	0.0000	0.0000
56550	ETHANE	0.0000	0.0000	0.0000	0.0000	0.0000
56575	HEPTANE	0.1149	0.6302	0.0000	0.0000	0.0000
56576	HEPTANE ISOMERS	0.0425	0.2322	0.0000	0.0000	0.0000
56590	HEXENE	0.0000	0.0000	0.0000	0.0000	0.0000
56600	HEXANE	0.3146	1.7229	0.0000	0.0002	0.0002
56601	METHYL PENTANE 3	0.0207	0.1133	0.0000	0.0000	0.0000
56605	TRIMETHYLPENTANE,2,3,4-	0.0000	0.0000	0.0000	0.0000	0.0000
56609	2,2,3 - TRIMETHYLPENTANE	0.0096	0.0522	0.0000	0.0000	0.0000
56610	2,2,4-TRIMETHYLPENTANE	0.0000	0.0000	0.0000	0.0000	0.0000
56625	ISOBUTANE	9.8095	53.7507	0.0000	2.3114	2.3114
56650	ISOHEPTANE	0.0000	0.0000	0.0000	0.0000	0.0000
56651	METHYLHEXANE, 3-	0.0352	0.1930	0.0000	0.0000	0.0000
56673	OCTENE	0.0000	0.0000	0.0000	0.0000	0.0000
56674	OCTANE	0.0200	0.1103	0.0000	0.0000	0.0000
56675	ISO OCTANE	0.0000	0.0000	0.0000	0.0000	0.0000
56680	DECANE	0.0142	0.0778	0.0000	0.0113	0.0113
56683	UNDECANE	0.0072	0.0393	0.0000	0.0000	0.0000
56700	ISO PENTANE	2.3353	12.7960	0.0000	0.0021	0.0021
56703	NONANE	0.0476	0.2607	0.0000	0.0000	0.0000
56704	NONENE	0.0000	0.0000	0.0000	0.0000	0.0000
56725	N BUTANE	18.3952	100.7946	0.0000	5.9382	5.9382
56750	PENTANE	0.0202	0.1111	0.0000	19.4481	19.4481
56752	N-PENTANE	1.2436	6.8142	0.0000	0.0005	0.0005
56753	DIMETHYLCYCLOPENTANE	0.0033	0.0178	0.0000	0.0000	0.0000
56775	PROPANE	18.4437	101.0603	0.0000	9.2502	9.2502
56780	1-PHENYLPROPANE	0.0000	0.0000	0.0000	0.0000	0.0000
58202	ACETIC ACID AMIDE	0.0000	0.0000	0.0000	0.0000	0.0000
58210	ACETONITRILE	1.7311	9.4849	0.0000	0.0052	0.0052
58290	PROPIONITRILE	0.0001	0.0003	0.0000	0.0000	0.0000



2023 CONTAMINANT SUMMARY REPORT

September 16, 2024

12:16 pm

CN : CN601405145

Organization : SHELL CHEMICAL LP

RN : RN100211879

Account : HG0659W

Site : DEER PARK CHEMICALS

Last EI Date : 12/31/2023

CONTAMINANT SUMMARY REPORT

Contam	Contam Name	Annual (TPY)	Ozone (PPD)	SMSS (TPY)	Emiss Event (TPY)	EE/SMSS (TPY)
58378	UREA	0.0000	0.0000	0.0000	0.0000	0.0000
58675	DIMETHYLDISULFIDE	0.0000	0.0000	0.0000	0.0000	0.0000
58711	ETHYLTOLUENE,O-	0.0000	0.0000	0.0000	0.0000	0.0000
58712	ETHYLTOLUENE,M-	0.0000	0.0000	0.0000	0.0000	0.0000
58725	METHYL MERCAPTAN	0.0000	0.0000	0.0000	0.0000	0.0000
58799	DIMETHYL SULFIDE	0.0338	0.1850	0.0000	0.0000	0.0000
58997	PYROLYSIS GASOLINE	0.0017	0.0094	0.0000	0.0000	0.0000
58998	ALIPHATIC PETROLEUM DISTILLATE	0.0096	0.0522	0.0000	0.0000	0.0000
58999	AROMATIC PETROLEUM DISTILLATE LIGHT	0.0000	0.0000	0.0000	0.0000	0.0000
59000	VOC GAS MIXTURE-U	67.8062	371.5411	0.0000	22.8817	22.8817
59001	CRUDE OIL	0.0000	0.0000	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
59005	KEROSENE	0.1500	0.8217	0.0000	0.0000	0.0000
59006	MINERAL OIL	0.0000	0.0000	0.0000	0.0000	0.0000
59007	LUBRICATING OIL	0.0001	0.0006	0.0000	0.0000	0.0000
59010	ALKYLATE	0.1096	0.6008	0.0000	0.0000	0.0000
59011	PETROLEUM NAPHTHA	0.0087	0.0473	0.0000	0.0000	0.0000
59013	HEAVY ALKYLATE NAPHTHA PETROLEUM	0.0000	0.0000	0.0000	0.0000	0.0000
59015	SOLVENT REFINED HEAVY NAPHTHENIC DISTILLATE	0.0000	0.0000	0.0000	0.0000	0.0000
59020	HYDROTREATED HEAVY NAPHTHENIC DISTILLATE	0.0000	0.0000	0.0000	0.0000	0.0000
59050	CCU FEED	0.0000	0.0000	0.0000	0.0000	0.0000
59150	DIESEL	0.0000	0.0000	0.0000	0.0000	0.0000
59200	FUEL OIL-U	0.0000	0.0000	0.0000	0.0000	0.0000
59225	NO 6 FUEL OIL	0.0000	0.0000	0.0000	0.0000	0.0000
59250	GAS OIL	9.5167	52.1461	0.0000	0.0000	0.0000
59275	MINERAL SPIRITS	0.0000	0.0000	0.0000	0.0000	0.0000
59300	NAPHTHA	2.4331	13.3325	0.0000	0.0000	0.0000
59310	NAPHTHA, PETROLEUM, HEAVY CATALYTIC REFORMED	0.0000	0.0000	0.0000	0.0000	0.0000
59330	PARAFFIN WAX FUMES	0.0000	0.0000	0.0000	0.0000	0.0000
59400	RAFFINATE	0.0000	0.0000	0.0000	0.0000	0.0000
59450	REFORMATE	0.0000	0.0000	0.0000	0.0000	0.0000
59490	VACUUM BOTTOMS	0.0001	0.0003	0.0000	0.0000	0.0000
59500	ASPHALT FUMES	0.0000	0.0000	0.0000	0.0000	0.0000
59800	NAPHTHA,COAL-TAR	0.0000	0.0000	0.0000	0.0000	0.0000
59834	CATECHOL	0.1374	0.7527	0.0000	0.0000	0.0000
59861	ACETOPHENONE	0.0473	0.2596	0.0000	0.0000	0.0000



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CONTAMINANT SUMMARY REPORT

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59866	PHENANTHRENE	0.0000	0.0001	0.0000	0.0000	0.0000
59868	TERGITAL	0.0000	0.0000	0.0000	0.0000	0.0000
59871	VM AND P NAPHTHA	0.0000	0.0000	0.0000	0.0000	0.0000
60000	METHANE	0.0000	0.0000	0.0000	0.0000	0.0000
70020	HELIUM	0.0000	0.0000	0.0000	0.0000	0.0000
70030	HYDROGEN	0.0000	0.0000	0.0000	0.0000	0.0000
70050	AMMONIA	1.2708	6.9633	0.0000	0.0000	0.0000
70110	CHLORINE	0.0000	0.0000	0.0000	0.0000	0.0000
70200	HYDROGEN CHLORIDE	0.0000	0.0000	0.0000	0.0000	0.0000
70300	HYDROGEN SULFIDE	2.1328	11.6872	0.0000	0.6735	0.6735
70400	NITROGEN OXIDES	328.2176	1798.4517	0.0000	21.1923	21.1923
70401	NITRIC OXIDE	0.0000	0.0000	0.0000	0.0000	0.0000
70402	NITROGEN DIOXIDE	0.0000	0.0000	0.0000	1.1182	1.1182
70403	NITROUS OXIDE	0.0000	0.0000	0.0000	0.0000	0.0000
70490	SODIUM HYPOCHLORITE	0.0000	0.0000	0.0000	0.0000	0.0000
70510	SULFUR DIOXIDE	187.8878	1029.5223	0.0000	49.8151	49.8151
71400	HYDRAZINE	0.0008	0.0041	0.0000	0.0000	0.0000
80500	NITROGEN	0.0000	0.0000	0.0000	0.0000	0.0000
90100	CARBON DIOXIDE	0.0000	0.0000	0.0000	0.0000	0.0000
90300	CARBON MONOXIDE	443.1466	2428.2018	0.0000	131.3336	131.3336



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HAPS SUMMARY REPORT

Contam	Contam Name	Annual (TPY)	Ozone (PPD)	SMSS (TPY)	Emiss Event (TPY)	EE/SMSS (TPY)
11160	HYDROCHLORIC ACID	0.0000	0.0000	0.0000	0.0000	0.0000
11905	ANTHRACENE	0.0000	0.0000	0.0000	0.0000	0.0000
14310	LEAD-PB	0.0000	0.0002	0.0000	0.0000	0.0000
14360	MERCURY-HG	0.0000	0.0003	0.0000	0.0000	0.0000
15105	MANGANESE CYCLOPENTADIENE	0.0000	0.0000	0.0000	0.0000	0.0000
50002	POLYCYCLIC ORGANIC MATTER	0.0002	0.0030	0.0000	0.0000	0.0000
51471	ETHYLENE GLYCOL	0.1203	0.6594	0.0000	0.0000	0.0000
51493	METHYL CARBITOL	0.0143	0.0784	0.0000	0.0000	0.0000
51530	METHANOL	1.6236	8.8975	0.0000	0.1504	0.1504
51534	O-CRESOL	0.0000	0.0001	0.0000	0.0000	0.0000
51550	PHENOL	7.1004	38.9065	0.0000	0.0047	0.0047
51620	ACETALDEHYDE	0.0064	0.0345	0.0000	0.0000	0.0000
51680	FORMALDEHYDE	0.2758	1.5103	0.0000	0.0000	0.0000
51721	PROPIONALDEHYDE	0.0000	0.0000	0.0000	0.0000	0.0000
51762	BENZO G,H,I PERYLENE	0.0000	0.0000	0.0000	0.0000	0.0000
52252	DIETHANOLAMINE	0.3416	1.8719	0.0000	0.0000	0.0000
52420	BENZENE	5.3362	29.2410	0.0000	0.6273	0.6273
52440	CUMENE	22.5102	123.3456	0.0000	0.1422	0.1422
52450	ETHYL BENZENE	1.4495	7.9427	0.0000	0.0004	0.0004
52460	NAPHTHALENE	0.1235	0.6786	0.0000	2.1955	2.1955
52470	POLYNUCLEAR AROMATICS	0.0000	0.0000	0.0000	0.0000	0.0000
52477	FLUORANTHENE	0.0000	0.0000	0.0000	0.0000	0.0000
52480	STYRENE	0.0707	0.3878	0.0000	0.0280	0.0280
52490	TOLUENE	13.0547	71.5317	0.0000	0.1732	0.1732
52510	XYLENE-U	4.1017	22.4749	0.0000	0.0000	0.0000
52512	META-XYLENE	0.0598	0.3274	0.0000	0.0212	0.0212
52514	ORTHO-XYLENE	0.0417	0.2289	0.0000	0.0000	0.0000
52516	PARA-XYLENE	0.0047	0.0266	0.0000	0.0000	0.0000
52700	ETHYL ACRYLATE	0.0000	0.0000	0.0000	0.0000	0.0000
52830	GLYCOL ETHERS CELLOSOLVES	0.0000	0.0000	0.0000	0.0000	0.0000
52854	METHYL CELLOSOLVE	0.0000	0.0000	0.0000	0.0000	0.0000
52878	METHYL TERT-BUTYL ETHER	0.0000	0.0000	0.0000	0.0000	0.0000
52910	EPICHLOROHYDRIN	2.0525	11.2458	0.0000	0.0000	0.0000
53220	CHLOROFORM	0.0389	0.2131	0.0000	0.0000	0.0000
53250	METHYLENE CHLORIDE	0.0077	0.0429	0.0000	0.0000	0.0000
53270	1,2-DICHLOROETHANE	0.0092	0.0505	0.0000	0.0000	0.0000
53290	1,1,1-TRICHLOROETHANE	0.0000	0.0000	0.0000	0.0000	0.0000
53325	1,3 - DICHLOROPROPYLENE	0.0000	0.0000	0.0000	0.0000	0.0000



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53330	PROPYLENE DICHLORIDE	0.0000	0.0000	0.0000	0.0000	0.0000
54070	METHYL ISOBUTYL KETONE	0.4895	2.6827	0.0000	0.0000	0.0000
55100	CHLOROPROPENE 3	0.0000	0.0000	0.0000	0.0000	0.0000
55150	1,3- BUTADIENE	31.8903	174.7406	0.0000	8.0920	8.0920
55550	PERCHLOROETHYLENE	0.0000	0.0000	0.0000	0.0000	0.0000
56600	HEXANE	0.3146	1.7229	0.0000	0.0002	0.0002
56610	2,2,4-TRIMETHYLPENTANE	0.0000	0.0000	0.0000	0.0000	0.0000
58202	ACETIC ACID AMIDE	0.0000	0.0000	0.0000	0.0000	0.0000
58210	ACETONITRILE	1.7311	9.4849	0.0000	0.0052	0.0052
59834	CATECHOL	0.1374	0.7527	0.0000	0.0000	0.0000
59861	ACETOPHENONE	0.0473	0.2596	0.0000	0.0000	0.0000
59866	PHENANTHRENE	0.0000	0.0001	0.0000	0.0000	0.0000
70110	CHLORINE	0.0000	0.0000	0.0000	0.0000	0.0000
70200	HYDROGEN CHLORIDE	0.0000	0.0000	0.0000	0.0000	0.0000
71400	HYDRAZINE	0.0008	0.0041	0.0000	0.0000	0.0000
Total		92.9546	509.3472	0.0000	11.4403	11.4403