



# 2023 CONTAMINANT SUMMARY REPORT

May 22, 2024

4:04 pm

**CN :** CN603966870

**Organization :** EPIROC DRILLING SOLUTIONS LLC

**RN :** RN100215581

**Account :** DB0476R

**Site :** EPIROC DRILLING SOLUTIONS

**Last EI Date :** 12/31/2022

## CRITERIA EMISSIONS TOTALS

Pollutant Class	Annual (TPY)	Ozone (PPD)	SMSS (TPY)	Emiss Event (TPY)	EE/SMSS (TPY)
PM2.5	0.0514	0.2513	0.0000	0.0000	0.0000
VOC	5.5996	30.0347	0.0000	0.0000	0.0000
CO	0.7874	3.1849	0.0000	0.0000	0.0000
NOX	1.2613	5.2773	0.0000	0.0000	0.0000
SO2	0.0047	0.0120	0.0000	0.0000	0.0000
PM10	0.1038	0.4084	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	0.1448	0.6668	0.0000	0.0000	0.0000
14142	CARBON BLACK	0.0003	0.0042	0.0000	0.0000	0.0000
14670	TALC	0.0244	0.1768	0.0000	0.0000	0.0000
14735	TITANIUM DIOXIDE	0.2083	0.4670	0.0000	0.0000	0.0000
14775	WELDING FUMES	0.0000	0.0000	0.0000	0.0000	0.0000
20000	PM10 PART-U	0.1038	0.4084	0.0000	0.0000	0.0000
24735	PM10 TITANIUM DIOXIDE	0.0000	0.0000	0.0000	0.0000	0.0000
24775	PM10 WELDING FUMES	0.0000	0.0000	0.0000	0.0000	0.0000
39999	TOTAL PM2.5 PARTICULATE	0.0514	0.2513	0.0000	0.0000	0.0000
50001	VOC-UNCLASSIFIED	0.1897	0.9024	0.0000	0.0000	0.0000
51060	CARBONIC ACIDS-U	0.0000	0.0000	0.0000	0.0000	0.0000
51225	PROPANOIC ACID, 2-METHYL-MONOESTER WITH 2,2,4-TRIMETHYL-1, 3 -PENTANEDIOL	0.0000	0.0000	0.0000	0.0000	0.0000
51405	BENZYL ALCOHOL	0.0094	0.0004	0.0000	0.0000	0.0000
51430	2- BUTOXYETHANOL	0.0000	0.0000	0.0000	0.0000	0.0000
51440	N-BUTYL ALCOHOL	2.0232	10.9026	0.0000	0.0000	0.0000
51460	ETHANOL	0.0000	0.0004	0.0000	0.0000	0.0000
51468	METHOXYETHANOL, 2-	0.0000	0.0000	0.0000	0.0000	0.0000
51472	PROPYLENE GLYCOL	0.0000	0.0000	0.0000	0.0000	0.0000
51473	DIETHYLENE GLYCOL	0.0000	0.0000	0.0000	0.0000	0.0000
51478	METHOXY-2-ACETOXYPROPANE, 1-	0.0000	0.0000	0.0000	0.0000	0.0000
51479	DIPROPYLENE GLYCOL	0.0000	0.0000	0.0000	0.0000	0.0000
51488	PROPYLENE GLYCOL T-BUTYL ETHER	0.0188	0.0926	0.0000	0.0000	0.0000
51490	ISOBUTANOL	0.0000	0.0000	0.0000	0.0000	0.0000
51493	METHYL CARBITOL	0.0028	0.0000	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	0.0000	0.0000
51570	N-PROPANOL	0.0000	0.0000	0.0000	0.0000	0.0000
52259	PETROLEUM DISTILLATES	0.0111	0.1176	0.0000	0.0000	0.0000



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52265	AROMATIC PETROLEUM DISTILLATE HEAVY	0.0000	0.0000	0.0000	0.0000	0.0000
52282	TRIETHANOLAMINE	0.0053	0.0293	0.0000	0.0000	0.0000
52416	TRIMETHYL BENZENE, 1,2,4-	0.0014	0.0091	0.0000	0.0000	0.0000
52418	TRIMETHYL BENZENE, 1,3,5-	0.0000	0.0000	0.0000	0.0000	0.0000
52428	TRIMETHYL BENZENE	0.0000	0.0000	0.0000	0.0000	0.0000
52440	CUMENE	0.0000	0.0000	0.0000	0.0000	0.0000
52450	ETHYL BENZENE	0.0191	0.0391	0.0000	0.0000	0.0000
52460	NAPHTHALENE	0.0000	0.0000	0.0000	0.0000	0.0000
52490	TOLUENE	0.0008	0.0080	0.0000	0.0000	0.0000
52510	XYLENE-U	0.0503	0.0769	0.0000	0.0000	0.0000
52516	PARA-XYLENE	0.0000	0.0000	0.0000	0.0000	0.0000
52640	BUTYL ACETATE	0.0006	0.0093	0.0000	0.0000	0.0000
52641	ISOBUTYL ACETATE	0.0000	0.0000	0.0000	0.0000	0.0000
52680	ETHYL ACETATE	2.1146	11.4700	0.0000	0.0000	0.0000
52704	OXOHEXYL ACETATE	0.0000	0.0000	0.0000	0.0000	0.0000
52721	ETHYL-3-ETHOXYPROPIONATE	0.0000	0.0000	0.0000	0.0000	0.0000
52821	BUTYL CARBITOL	0.0000	0.0000	0.0000	0.0000	0.0000
52834	PROPYLENE GLYCOL MONOMETHYL ETHER	0.0000	0.0000	0.0000	0.0000	0.0000
52835	DIPROPYLENE GLYCOL MONOMETHYL ETHER	0.0000	0.0000	0.0000	0.0000	0.0000
52844	BUTYL CELLOSOLVE ACETATE	0.0000	0.0000	0.0000	0.0000	0.0000
52879	DIMETHYL ETHER	0.0863	0.4867	0.0000	0.0000	0.0000
53250	METHYLENE CHLORIDE	0.0000	0.0000	0.0000	0.0000	0.0000
53299	PARACHLOROBENZOTRIFLUORIDE	0.0000	0.0000	0.0000	0.0000	0.0000
54020	ACETONE	2.2249	11.9900	0.0000	0.0000	0.0000
54040	CYCLOHEXANONE	0.0000	0.0000	0.0000	0.0000	0.0000
54065	METHYL ETHYL KETONE	0.0000	0.0000	0.0000	0.0000	0.0000
54070	METHYL ISOBUTYL KETONE	0.0001	0.0015	0.0000	0.0000	0.0000
54072	HEPTANONE 2	0.0000	0.0000	0.0000	0.0000	0.0000
54076	METHYL PROPYL KETONE	0.0008	0.0107	0.0000	0.0000	0.0000
56625	ISOBUTANE	0.0314	0.1770	0.0000	0.0000	0.0000
56725	N BUTANE	0.0000	0.0000	0.0000	0.0000	0.0000
56775	PROPANE	0.0369	0.2080	0.0000	0.0000	0.0000
58243	HEXAMETHYLENE DIISOCYANATE	0.0000	0.0000	0.0000	0.0000	0.0000
58998	ALIPHATIC PETROLEUM DISTILLATE	0.0000	0.0000	0.0000	0.0000	0.0000
58999	AROMATIC PETROLEUM DISTILLATE LIGHT	0.0042	0.0291	0.0000	0.0000	0.0000
59000	VOC GAS MIXTURE-U	0.0001	0.0015	0.0000	0.0000	0.0000
59270	LIQUIFIED PETROLEUM GAS	0.0019	0.0252	0.0000	0.0000	0.0000
59275	MINERAL SPIRITS	0.0131	0.1437	0.0000	0.0000	0.0000



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59300	NAPHTHA	0.9777	5.2936	0.0000	0.0000	0.0000
59305	NAPHTHA, PETROLEUM, HYDRO TREAT LT	0.0000	0.0000	0.0000	0.0000	0.0000
59799	ACETYLACETONE	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
70400	NITROGEN OXIDES	1.2613	5.2773	0.0000	0.0000	0.0000
70510	SULFUR DIOXIDE	0.0047	0.0120	0.0000	0.0000	0.0000
90300	CARBON MONOXIDE	0.7874	3.1849	0.0000	0.0000	0.0000

## HAPS SUMMARY REPORT

Contam	Contam Name	Annual (TPY)	Ozone (PPD)	SMSS (TPY)	Emiss Event (TPY)	EE/SMSS (TPY)
51468	METHOXYETHANOL, 2-	0.0000	0.0000	0.0000	0.0000	0.0000
51493	METHYL CARBITOL	0.0028	0.0000	0.0000	0.0000	0.0000
51530	METHANOL	0.0000	0.0000	0.0000	0.0000	0.0000
52440	CUMENE	0.0000	0.0000	0.0000	0.0000	0.0000
52450	ETHYL BENZENE	0.0191	0.0391	0.0000	0.0000	0.0000
52460	NAPHTHALENE	0.0000	0.0000	0.0000	0.0000	0.0000
52490	TOLUENE	0.0008	0.0080	0.0000	0.0000	0.0000
52510	XYLENE-U	0.0503	0.0769	0.0000	0.0000	0.0000
52516	PARA-XYLENE	0.0000	0.0000	0.0000	0.0000	0.0000
52821	BUTYL CARBITOL	0.0000	0.0000	0.0000	0.0000	0.0000
52844	BUTYL CELLOSOLVE ACETATE	0.0000	0.0000	0.0000	0.0000	0.0000
53250	METHYLENE CHLORIDE	0.0000	0.0000	0.0000	0.0000	0.0000
54070	METHYL ISOBUTYL KETONE	0.0001	0.0015	0.0000	0.0000	0.0000
58243	HEXAMETHYLENE DIISOCYANATE	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0731	0.1255	0.0000	0.0000	0.0000