





**Point-2: Discharge to Air**

Date of Sampling	Date Results obtained	Element	Carbon dioxide	Dry gas density	Moisture content	Molecular weight of stack gases	Nitrogen Oxides	Temperature	Velocity	Volatile organic compound	Volumetric flow rate
		Unit of measure	%	kg/m3	%	g/gmole	mg/m3	deg C	m/s	mg/m3	m3/s
		Frequency	Annual	Annual	Annual	Annual	Annual	Continuous	Annual	Annual	Continuous
		<b>Test Results</b>									
29/06/2017	25/07/2017	Min	2.7	N/A	N/A	N/A	200	N/A	N/A	N/A	N/A
		Avg	2.8	1.3	6	29.2	220	604	16	<0.03	2.9
		Max	3	N/A	N/A	N/A	230	N/A	N/A	N/A	N/A
27/08/2018	19/09/2018	Min	2	N/A	N/A	N/A	80	N/A	N/A	N/A	N/A
		Avg	2.8	1.3	6.3	29.2	130	573	15	0.76	2.8
		Max	3.9	N/A	N/A	N/A	200	N/A	N/A	N/A	N/A
19/06/2019	12/07/2019	Min	2.6	N/A	N/A	N/A	120	N/A	N/A	N/A	N/A
		Avg	2.8	1.3	5.2	28.6	160	614	18	<0.1	3.3
		Max	3.1	N/A	N/A	N/A	180	N/A	N/A	N/A	N/A
2/07/2020	31/07/2020	Min	3	N/A	N/A	N/A	140	N/A	N/A	N/A	N/A
		Avg	3.1	1.31	5.1	29.3	140	622	15	<0.1	2.8
		Max	3.1	N/A	N/A	N/A	150	N/A	N/A	N/A	N/A
11/08/2021	15/09/2021	Min	2.4	N/A	N/A	N/A	100	N/A	N/A	N/A	N/A
		Avg	2.8	1.3	5.1	29.2	130	602	18	0.87	3.4
		Max	3.4	N/A	N/A	N/A	150	N/A	N/A	N/A	N/A

**Point-4: Thermal Oxidiser**

Month	Combustion Temperature (°C)			Residence Time (s)		
	Min	Max	Mean	Min	Max	Mean
Jan-17	768	768	768	2	2	2
Feb-17	768	768	768	2	2	2
Mar-17	768	768	768	2	2	2
Apr-17	766	767	766	2	2	2
May-17	768	768	768	2	2	2
Jun-17	768	768	768	2	2	2
Jul-17	768	768	768	2	2	2
Aug-17	768	768	768	2	2	2
Sep-17	768	768	768	2	2	2
Oct-17	768	768	768	2	2	2
Nov-17	768	768	768	2	2	2
Dec-17	768	768	768	2	2	2
Jan-18	762	762	762	2	2	2
Feb-18	760	761	765	2	2	2
Mar-18	764	765	764	2	2	2
Apr-18	763	764	763	2	2	2
May-18	764	765	765	2	2	2
Jun-18	769	770	770	2	2	2
Jul-18	769	771	770	2	2	2
Aug-18	769	771	770	2	2	2
Sep-18	769	770	769	2	2	2
Oct-18	768	770	769	2	2	2
Nov-18	769	770	769	2	2	2
Dec-18	769	770	770	2	2	2
Jan-19	769	770	770	2	2	2
Feb-19	769	770	770	2	2	2
Mar-19	769	770	770	2	2	2
Apr-19	769	770	770	2	2	2
May-19	769	770	770	2	2	2
Jun-19	770	770	770	2	2	2
Jul-19	770	770	770	2	2	2
Aug-19	769	770	770	2	2	2
Sep-19	769	770	770	2	2	2
Oct-19	769	770	770	2	2	2
Nov-19	769	770	769	2	2	2
Dec-19	767	769	768	2	2	2
Jan-20	768	770	769	2	2	2
Feb-20	768	769	769	2	2	2
Mar-20	768	770	769	2	2	2
Apr-20	768	770	769	2	2	2
May-20	769	770	769	2	2	2
Jun-20	768	770	769	2	2	2
Jul-20	782	783	782	2	2	2
Aug-20	768	769	769	2	2	2
Sep-20	769	769	769	2	2	2
Oct-20	768	770	769	2	2	2
Nov-20	766	772	769	2	2	2
Dec-20	769	770	770	2	2	2
Jan-21	768	769	769	2	2	2
Feb-21	769	770	770	2	2	2
Mar-21	770	771	770	2	2	2
Apr-21	769	770	770	2	2	2
May-21	769	770	770	2	2	2
Jun-21	769	770	769	2	2	2
Jul-21	768	770	769	2	2	2
Aug-21	768	770	769	2	2	2

**Point-5: AS/SVE Emission Stack**

Element	Total Volatile Organic Compounds	Toluene	Ethylbenzene	Xylene	Chloroform	Methylene Chloride	Vinyl Chloride
Unit of Measure	mg/m <sup>3</sup>	mg/m <sup>3</sup>	mg/m <sup>3</sup>	mg/m <sup>3</sup>	mg/m <sup>3</sup>	mg/m <sup>3</sup>	mg/m <sup>3</sup>

	Limit	428	117	250	61	-	-	-
Date of Sampling	Date Results Obtained	Test Results						
19/01/2017	20/01/2017	6.4	0.45	0.08	4.0	< 0.020	< 0.17	< 0.010
20/02/2017	21/02/2017*	10.3	0.54	0.04	6.8	< 0.025	< 0.18	< 0.013
6/03/2017	7/03/2017	8.2	0.31	<0.020	5.5	< 0.020	< 0.20	< 0.010
3/04/2017	4/04/2017	4.2	0.32	0.03	2.6	< 0.020	< 0.20	< 0.010
22/06/2017	23/06/2017	3.9	0.20	<0.020	1.8	< 0.020	< 0.20	< 0.010
17/07/2017	21/07/2017	3.0	0.20	<0.020	1.6	< 0.020	< 0.20	< 0.010
3/08/2017	4/08/2017	3.0	0.10	0.04	1.9	< 0.024	< 0.17	< 0.013
5/09/2017	6/09/2017	2.3	0.29	<0.022	1.1	< 0.024	< 0.17	< 0.013
9/10/2017	10/10/2017	8.6	0.23	0.03	2.1	< 0.024	< 0.17	< 0.013
27/11/2017	28/11/2017	4.0	0.47	0.05	2.4	< 0.024	< 0.17	< 0.013
20/12/2017	21/12/2017	6.0	0.71	0.20	3.3	< 0.024	< 0.17	< 0.013
30/01/2018	31/01/2018	4.5	0.61	0.09	2.6	< 0.024	< 0.17	< 0.013
22/02/2018	23/02/2018	4.6	0.20	<0.022	2.8	< 0.024	< 0.172	< 0.013
14/03/2018	15/03/2018	5.0	0.33	0.02	3.0	NA	NA	NA
25/06/2018	26/06/2018	2.3	0.41	0.20	1.3	NA	NA	NA
7/09/2018	8/09/2018	3.2	0.20	0.05	1.9	NA	NA	NA
9/11/2018	9/11/2018	2.0	0.22	0.09	1.1	NA	NA	NA
14/12/2018	14/12/2018	2.0	0.20	<0.022	1.2	NA	NA	NA
10/01/2019	10/01/2019	2.1	0.20	<0.022	1.2	NA	NA	NA
14/02/2019	14/02/2019	1.7	0.20	<0.022	1.0	NA	NA	NA
8/03/2019	8/03/2019	1.6	0.20	<0.022	0.9	NA	NA	NA
29/04/2019	29/04/2019	3.8	0.20	<0.022	2.4	NA	NA	NA
29/05/2019	29/05/2019	1.2	0.20	<0.022	0.6	NA	NA	NA
27/06/2019	27/06/2019	0.9	0.10	<0.022	0.6	NA	NA	NA
29/07/2019	30/07/2019	0.8	0.10	<0.022	0.5	NA	NA	NA
14/08/2019	15/08/2019	0.6	0.10	<0.022	0.4	NA	NA	NA
12/09/2019	12/09/2019	1.1	0.10	0.05	0.7	NA	NA	NA
9/10/2019	10/10/2019	1.0	0.10	0.03	0.6	NA	NA	NA
25/11/2019	26/11/2019	1.0	0.10	<0.022	0.6	NA	NA	NA
18/12/2019	-	system not operational						
23/01/2020	24/01/2020	1.4	0.56	0.03	0.6	NA	NA	NA
28/02/2020	28/02/2020	0.4	0.04	<0.022	0.3	NA	NA	NA
9/03/2020	10/03/2020	0.5	0.10	<0.022	0.3	NA	NA	NA
5/04/2020	6/04/2020	0.7	0.21	<0.022	0.3	NA	NA	NA
7/05/2020	8/05/2020	0.4	0.20	<0.022	0.2	NA	NA	NA
2/06/2020	3/06/2020	0.5	0.10	<0.022	0.27	NA	NA	NA
1/07/2020	2/07/2020	0.4	0.20	<0.022	0.15	NA	NA	NA
3/08/2020	4/08/2020	0.3	0.20	<0.022	0.08	NA	NA	NA
9/09/2020	10/09/2020	0.2	0.04	<0.022	0.09	NA	NA	NA
13/10/2020	14/10/2020	0.3	0.20	<0.022	0.06	NA	NA	NA
27/11/2020	30/11/2020	0.2	0.19	<0.022	0.04	<0.024**	<0.17**	<0.013**
22/12/2020	23/12/2020	1.1	0.80	<0.022	0.04	<0.024**	<0.17**	<0.013**
19/01/2021	20/01/2021	1.1	0.93	<0.022	0.02	<0.0048**	<0.035**	<0.0026**
4/02/2021	5/02/2021	0.9	0.68	<0.022	0.04	<0.024**	<0.170**	<0.013**
23/03/2021	7/04/2021	0.82	0.70	<0.022	<0.02	<0.024**	<0.170**	<0.013**
22/04/2021	10/05/2021	0.39	0.39	<0.022	<0.022	<0.024**	<0.170**	<0.013**
21/05/2021	11/06/2021	0.54	0.42	<0.022	<0.022	<0.024**	<0.170**	<0.013**
29/06/2021	26/07/2021	10.16	0.41	4.900	4.34	<0.024**	<0.170**	<0.013**
3/08/2021	17/09/2021	0.23	0.10	<0.022	0.02	<0.024**	<0.170**	<0.013**

**Point-6: Groundwater Monitoring**

Element	1,2-Dichloroethane	cis-1,2-Dichloroethylene	trans-1,2-Dichloroethylene	Carbon Tetrachloride	Chloroform	Chloromethane	Methylene Chloride	Tetrachloroethene	Trichloroethene	Vinyl chloride	
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
<b>Date of Sampling</b>	<b>Date Results Obtained</b>	<b>Test Results</b>									
19/01/2017	30/01/2017	<50	<50	<50	<50	<50	<50	<50	<50	<50	
20/02/2017	2/03/2017	<50	<50	<50	<50	<50	<50	<50	<50	<50	
6/03/2017	14/03/2017	<50	<50	<50	<50	<50	<50	<50	<50	<50	
3/04/2017	10/04/2017	<50	<50	<50	<50	<50	<50	<50	<50	<50	
22/05/2017	29/05/2017	<50	<50	<50	<50	<50	<50	<50	<50	<50	
26/06/2017	4/07/2017	<50	<50	<50	<50	<50	<50	<50	<50	<50	
20/07/2017	28/07/2017	<50	<50	<50	<50	<50	<50	<50	<50	<50	
3/08/2017	10/08/2017	<50	<50	<50	<50	<50	<50	<50	<50	<50	
5/09/2017	15/09/2017	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
9/10/2017	16/10/2017	<50	<50	<50	<50	<50	<50	<50	<50	<50	
28/11/2017	8/12/2017	<50	<50	<50	<50	<50	<50	<50	<50	<50	
20/12/2017	8/01/2018	<50	<50	<50	<50	<50	<50	<50	<50	<50	
30/01/2018	8/02/2018	<50	<50	<50	<50	<50	<50	<50	<50	<50	
22/02/2018	6/03/2018	<50	<50	<50	<50	<50	<50	<50	<50	<50	

  

Element	Ethyl benzene	Toluene	TPH C6-C9 Fraction	TPH C10-C14	TPH C15-C28	TPH C29-C36	Volatile Organic Compounds	Xylene	
Unit of Measure	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
<b>Date of Sampling</b>	<b>Date Results Obtained</b>	<b>Test Results</b>							
3/06/2020	12/06/2020	22800	1450	61000	2700	110	<50	65125	17200
2/07/2020	9/07/2020	14400	1430	50600	3590	220	<50	54259	13300
4/08/2020	12/08/2020	23400	9570	73700	5300	210	<50	78194	19100
10/09/2020	18/09/2020	13500	841	53200	3940	240	<50	54900	12600
14/10/2020	21/10/2020	20800	634	66300	4810	120	<50	71890	18600
27/11/2020	4/12/2020	14200	364	37700	2850	140	<50	42250	13000
22/12/2020	29/12/2020	18400	560	48300	4010	150	<50	52920	16500
19/01/2021	27/01/2021	7360	118	24700	3680	120	<50	28395	9460
3/02/2021	9/02/2021	17600	1040	52000	3150	170	<50	56416	15700
26/03/2021	7/04/2021	30600	16400	105000	2490	<100	<50	110800	23200
22/04/2021	10/05/2021	30100	15200	93600	2590	<100	<50	100390	23800
17/05/2021	11/06/2021	45000	11000	120000	8000	1200	100	109940	37000
29/06/2021	26/07/2021	31200	4290	87100	9610	870	<50	96040	24700
2/08/2021	17/09/2021	26600	3380	82300	7560	<100	<50	92560	25900

**Point-7: Groundwater Monitoring**

Date of Sampling	Element	1,2-Dichloroethane	cis-1,2-Dichloroethylene	trans-1,2-Dichloroethylene	Carbon Tetrachloride	Chloroform	Chloromethane	Methylene Chloride	Tetrachloroethene	Trichloroethene	Vinyl chloride
	Unit of Measure	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	Date Results Obtained	Test Results									
19/01/2017	30/01/2017	<5	<5	<5	<5	<5	<50	<5	<5	<5	<50
20/02/2017	2/03/2017	<5	<5	<5	<5	<5	<50	<5	<5	<5	<50
7/03/2017	14/03/2017	<5	<5	<5	<5	<5	<50	<5	<5	<5	<50
3/04/2017	10/04/2017	<5	<5	<5	<5	<5	<50	<5	<5	<5	<50
22/05/2017	29/05/2017	<5	<5	<5	<5	<5	<50	<5	<5	<5	<50
27/06/2017	4/07/2017	<5	<5	<5	<5	<5	<50	<5	<5	<5	<50
20/07/2017	28/07/2017	<5	<5	<5	<5	<5	<50	<5	<5	<5	<50
3/08/2017	10/08/2017	<5	<5	<5	<5	<5	<50	<5	<5	<5	<50
8/09/2017	15/09/2017	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
9/10/2017	16/10/2017	<5	<5	<5	<5	<5	<50	<5	<5	<5	<50
28/11/2017	8/12/2017	<5	<5	<5	<5	<5	<50	<5	<5	<5	<50
20/12/2017	8/01/2018	<5	<5	<5	<5	<5	<50	<5	<5	<5	<50
30/01/2018	8/02/2018	<5	<5	<5	<5	<5	<50	<5	<5	<5	<50
22/02/2018	6/03/2018	<5	<5	<5	<5	<5	<50	<5	<5	<5	<50

Date of Sampling	Element	Ethyl benzene	Toluene	TPH C6-C9 Fraction	TPH C10-C14	TPH C15-C28	TPH C29-C36	Volatile Organic Compounds	Xylene		
	Unit of Measure	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L		
	Date Results Obtained	Test Results									
14/03/2018	27/03/2018	262	3	670	300	<100	<50	1021	177		
25/06/2018	11/07/2018	275	273	1170	140	<100	<50	1390	283		
7/09/2018	8/09/2018	32	3.0	80.0	70.0	<100	<50	106.0	22.0		
9/11/2018	9/11/2018	24	3.0	40.0	<50	<100	<50	85.0	12.0		
14/12/2018	14/12/2018	11	<2	20.0	<50	<100	<50	14.0	4.0		
10/01/2019	10/01/2019	4	<2	<20	<50	<100	<50	4.0	<2		
14/02/2019	14/02/2019	8	<2	<20	<50	<100	<50	11.0	3.0		
8/03/2019	8/03/2019	2	<2	<20	<50	<100	<50	2.0	<2		
29/04/2019	14/05/2019	234	330	2760	350	<100	<50	3120	1510		
29/05/2019	12/06/2019	225	20	1040	470	<100	<50	1399	384		
27/06/2019	22/07/2019	4	<2	30	<50	<100	<50	21	17		
11/07/2019	22/07/2019	10	<2	40	<50	<100	<50	32	22		
14/08/2019	21/08/2019	<2	<2	<20	<50	<100	<50	<1	<2		
12/09/2019	20/9/109	<2	<2	<20	<50	<100	<50	<1	<2		
9/10/2019	18/10/2019	<2	<2	<20	<50	<100	<50	<1	<2		
18/11/2019	4/12/2019	<2	<2	<20	<50	<100	<50	<1	<2		
18/12/2019	7/01/2020	<2	<2	<20	<50	<100	<50	<1	<2		
24/01/2020	24/02/2020	3	3	<20	<50	<100	<50	15	9		
12/02/2020	13/03/2020	6	<2	<20	<50	<100	<50	11	5		
10/03/2020	17/03/2020	<2	<2	<20	<50	<100	<50	<1	<2		
7/04/2020	16/04/2020	<2	<2	<20	<50	<100	<50	<1	<2		
8/05/2020	18/05/2020	<2	<2	<20	<50	<100	<50	<1	<2		
3/06/2020	12/06/2020	<2	<2	<20	<50	<100	<50	<1	<2		
2/07/2020	9/07/2020	<2	<2	<20	<50	<100	<50	<1	<2		
4/08/2020	12/08/2020	<2	<2	<20	<50	<100	<50	<1	<2		
10/09/2020	18/09/2020	<2	<2	<20	<50	<100	<50	<1	<2		
14/10/2020	21/10/2020	<2	<2	<20	<50	<100	<50	<1	<2		
27/11/2020	4/12/2020	<2	<2	<20	<50	<100	<50	<1	<2		
22/12/2020	29/12/2020	<2	<2	<20	<50	<100	<50	<1	<2		
19/01/2021	27/01/2021	<2	<2	<20	<50	<100	<50	<1	<2		
2/02/2021	9/02/2021	<2	<2	<20	<50	<100	<50	<1	<2		
26/03/2021	7/04/2021	<2	<2	<20	<50	<100	<50	<1	<2		
22/04/2021	10/05/2021	<2	<2	<20	<50	<100	<50	<1	<2		
21/05/2021	11/06/2021	<2	<2	<20	<50	<100	<50	<1	<2		
29/06/2021	26/07/2021	<2	<2	<20	<50	<100	<50	<1	<2		
3/08/2021	17/09/2021	<2	<2	<20	<50	<100	<50	<1	<2		