

19/09/19	20/09/19	<5	<10	<5	<5	7.9	23/09/19	150	24/09/19	149	25/09/19	145	26/09/19	106						
21/01/20	22/01/20	<5	16	<5	<5	7.9	28/01/20	146	29/01/20	150	30/01/20	151	31/01/20	100						
10/02/20	11/02/20	<5	<10	<5	<5	7.5	12/02/20	159	13/02/20	149	14/02/20	150	17/02/20	144						
6/03/20	10/03/20	<5	<10	<5	<5	8.1	10/03/20	158	11/03/20	150	12/03/20	150	13/03/20	144						
17/03/20	23/03/20	<5	<10	<5	<5	8	19/03/20	157	20/03/20	146	23/03/20	150	24/03/20	150						
30/03/20	7/04/20	<5	11	5	<5	8	1/04/20	150	2/04/20	144	3/04/20	159	6/04/20	150	7/04/20	78				
1/05/20	4/05/20	<5	16	<5	<5	7.9	5/05/20	100	6/05/20	100										
21/05/20	25/05/20	<5	9	<5	<5	7.9	25/05/20	150	26/05/20	150	27/05/20	149	28/05/20	151						
9/06/20	11/06/20	<5	15	<5	<5	8	11/06/20	155	12/06/20	150	15/06/20	151	16/06/20	157	17/06/20	100				
29/06/20	30/06/20	<5	16	<5	<5	8.1	30/06/20	66	1/07/20	150	2/07/20	100	3/07/20	70						
28/07/20	30/07/20	5	20	<5	<5	8	30/07/20	70	31/07/20	81	3/08/20	115	4/08/20	112	5/08/20	151				
10/08/20	11/08/20	<5	11	<5	<5	6.7	11/08/20	62	12/08/20	115	13/08/20	118	14/08/20	149	15/08/20	77				
21/09/20	23/09/20	<5	17	<5	<5	7.3	23/09/20	22	24/09/20	150	25/09/20	144								
19/10/20	21/10/20	<5	21	<5	<5	7.7	21/10/21	150	22/10/20	115										
30/10/20	3/11/20	<5	14	<5	<5	7.8	3/11/20	151	4/11/20	149	5/11/20	144	9/11/20	122						
11/12/20	15/12/20	<5	26	<5	<5	6.9	15/12/20	100	16/12/20	154	17/12/20	150	18/12/20	133						
23/12/20	29/12/20	<5	19	<5	<5	7.1	29/12/20	118	30/12/20	123	31/12/20	152								
4/01/21	14/01/21	<5	13	<5	<5	7.1	6/01/21	141	7/01/21	134	8/01/21	82								
1/02/21	8/02/21	<5	15	<5	<5	7.1	3/02/21	133	4/02/21	151	5/02/21	150	8/02/21	33						
18/02/21	24/02/21	<5	14	<5	<5	7.7	22/02/21	97	25/02/21	11										
26/02/21	3/03/21	<5	19	5	<5	7.7	1/03/21	100	2/03/21	150	3/03/21	146	4/03/21	89						
19/03/21	22/03/21	<5	7	<5	<5	8.5	23/03/21	150	24/03/21	149	25/03/21	144	26/03/21	144						
8/04/21	9/04/21	<5	<5	11	<5	8.3	12/04/21	150	13/04/21	149	14/04/21	146								
6/05/21	7/05/21	<5	25	8	<5	8.4	10/05/21	151	11/05/21	149	12/05/21	146	13/05/21	152						
21/06/21	22/06/21	<5	14	25	<5	8	23/06/21	150	24/06/21	150	25/06/21	149	28/06/21	100						
1/07/21	2/07/21	<5	13	<5	<5	8.3	5/07/21	150	6/07/21	149	7/07/21	150	8/07/21	100						
27/08/21	30/08/21	9	22	<5	<5	7.3	1/09/21	150	2/09/21	150	3/09/21	151	6/09/21	145						
14/09/21	15/09/21	5	18	<5	<5	8.2	15/09/21	61	16/09/21	144	17/09/21	150	18/09/21	122	20/09/21	100				
13/10/21	14/10/21	<5	26	<5	<5	8.4	15/10/21	77	16/10/21	135	18/10/21	144	19/10/21	70						
9/11/21	10/11/21	<5	<5	<5	<5	8.5	11/11/21	150	12/11/21	144	15/11/21	100	16/11/21	154	17/11/21	100				
22/11/21	23/11/21	<5	8	<5	<5	7.8	24/11/21	151	25/11/21	149	26/11/21	144	29/11/21	150	30/11/21	123				
13/12/21	14/12/21	<5	14	6	<5	7.9	15/12/21	151	16/12/21	149	17/12/21	144	20/12/21	133						
7/01/22	17/01/22	<5	17	<5	<5	8	12/01/22	86	13/01/22	114	14/01/22	117	17/01/22	106	18/01/22	110				
17/01/22	24/01/22	<5	17	17	<5	7.7	20/01/22	114	21/01/22	77										
3/02/22	9/02/22	<5	22	<5	<5	7	7/02/22	150	8/02/22	146	9/02/22	152	10/02/22	156						
9/03/22	14/03/22	<5	27	<5	<5	7.5	14/03/22	151	15/03/22	149	16/03/22	144	17/03/22	150	18/03/22	100				
24/03/22	30/03/22	<5	7	<5	<5	8.4	28/03/22	107	30/03/22	100	31/03/22	117								

Point-2: Discharge to Air

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		
Date of Sampling	Date Results obtained	Test Results									
27/08/2018	19/09/2018	Min Avg Max	2 2.8 3.9	N/A 1.3 N/A	N/A 6.3 N/A	N/A 29.2 N/A	80 130 200	N/A 573 N/A	N/A 15 N/A	N/A 0.76 N/A	N/A 2.8 N/A
19/06/2019	12/07/2019	Min Avg Max	2.6 2.8 3.1	N/A 1.3 N/A	N/A 5.2 N/A	N/A 28.6 N/A	120 160 180	N/A 614 N/A	N/A 18 N/A	N/A <0.1 N/A	N/A 3.3 N/A
2/07/2020	31/07/2020	Min Avg Max	3 3.1 3.1	N/A 1.31 N/A	N/A 5.1 N/A	N/A 29.3 N/A	140 140 150	N/A 622 N/A	N/A 15 N/A	N/A <0.1 N/A	N/A 2.8 N/A
11/08/2021	15/09/2021	Min Avg Max	2.4 2.8 3.4	N/A 1.3 N/A	N/A 5.1 N/A	N/A 29.2 N/A	100 130 150	N/A 602 N/A	N/A 18 N/A	N/A 0.87 N/A	N/A 3.4 N/A

Point-4: Thermal Oxidiser

Month	Combustion Temperature (°C)			Residence Time (s)		
	Min	Max	Mean	Min	Max	Mean
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
Sep-21	768	770	769	2	2	2
Oct-21	768	769	768	2	2	2
Nov-21	762	764	763	2	2	2
Dec-21	768	770	769	2	2	2
Jan-22	767	768	767	2	2	2
Feb-22	767	768	768	2	2	2

Point-5: AS/SVE Emission Stack

	Element	Total Volatile Organic Compounds	Toluene	Ethylbenzene	Xylene
	Unit of Measure	mg/m ³	mg/m ³	mg/m ³	mg/m ³
	Limit	428	117	250	61
Date of Sampling	Date Results Obtained	Test Results			
30/01/2018	31/01/2018	4.5	0.61	0.09	2.6
22/02/2018	23/02/2018	4.6	0.20	<0.022	2.8
14/03/2018	15/03/2018	5.0	0.33	0.02	3.0
25/06/2018	26/06/2018	2.3	0.41	0.20	1.3
7/09/2018	8/09/2018	3.2	0.20	0.05	1.9
9/11/2018	9/11/2018	2.0	0.22	0.09	1.1
14/12/2018	14/12/2018	2.0	0.20	<0.022	1.2
10/01/2019	10/01/2019	2.1	0.20	<0.022	1.2
14/02/2019	14/02/2019	1.7	0.20	<0.022	1.0
8/03/2019	8/03/2019	1.6	0.20	<0.022	0.9
29/04/2019	29/04/2019	3.8	0.20	<0.022	2.4
29/05/2019	29/05/2019	1.2	0.20	<0.022	0.6
27/06/2019	27/06/2019	0.9	0.10	<0.022	0.6
29/07/2019	30/07/2019	0.8	0.10	<0.022	0.5
14/08/2019	15/08/2019	0.6	0.10	<0.022	0.4
12/09/2019	12/09/2019	1.1	0.10	0.05	0.7
9/10/2019	10/10/2019	1.0	0.10	0.03	0.6
25/11/2019	26/11/2019	1.0	0.10	<0.022	0.6
18/12/2019	-	system not operational			
23/01/2020	24/01/2020	1.4	0.56	0.03	0.6
28/02/2020	28/02/2020	0.4	0.04	<0.022	0.3
9/03/2020	10/03/2020	0.5	0.10	<0.022	0.3
5/04/2020	6/04/2020	0.7	0.21	<0.022	0.3
7/05/2020	8/05/2020	0.4	0.20	<0.022	0.2
2/06/2020	3/06/2020	0.5	0.10	<0.022	0.27
1/07/2020	2/07/2020	0.4	0.20	<0.022	0.15
3/08/2020	4/08/2020	0.3	0.20	<0.022	0.08
9/09/2020	10/09/2020	0.2	0.04	<0.022	0.09
13/10/2020	14/10/2020	0.3	0.20	<0.022	0.06
27/11/2020	30/11/2020	0.2	0.19	<0.022	0.04
22/12/2020	23/12/2020	1.1	0.80	<0.022	0.04
19/01/2021	20/01/2021	1.1	0.93	<0.022	0.02
4/02/2021	5/02/2021	0.9	0.68	<0.022	0.04
23/03/2021	7/04/2021	0.82	0.70	<0.022	<0.02
22/04/2021	10/05/2021	0.39	0.39	<0.022	<0.022
21/05/2021	11/06/2021	0.54	0.42	<0.022	<0.022
29/06/2021	26/07/2021	10.16	0.41	4.900	4.34
3/08/2021	17/09/2021	0.23	0.10	<0.022	0.02
1/09/2021	8/09/2021	1.30	0.90	<0.022	0.04
27/09/2021	29/09/2021	0.08	<0.019	<0.022	0.04
23/12/2021	21/01/2022	0.44	<0.019	<0.022	0.07

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
	Unit of Measure	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Date of Sampling	Date Results Obtained	Test Results								
30/01/2018	8/02/2018	<50	<50	<50	<50	<50	<500	<50	<50	<500
22/02/2018	6/03/2018	<50	<50	<50	<50	<50	<500	<50	<50	<500
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 of Sampling	Date Results Obtained	Test Results								
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	
1/09/2021	17/09/2021	9110	730	32600	4100	260	4360	40200	13100	
25/10/2021	24/01/2022	5360	627	18600	3320	240	<50	23270	7950	
17/01/2022	4/02/2022	935	105	4700	560	180	<50	5240	1890	

Point-7: Groundwater Monitoring

	Element	1,2-	cis-1,2-	trans-1,2-	Carbon	Chloroform	Chloromethane	Methylene	Tetrachlor	Trichlorethe	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 of Sampling	Date Results Obtained	Test Results									
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

	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 of Sampling	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
1/09/2021	17/09/2021	<2	<2	<50	<50	<100	<50	<1	<2
27/10/2021	24/01/2022	<2	<2	<20	<50	<100	<50	<1	<2
17/01/2022	4/02/2022	<2	<2	<20	<50	<100	<50	<1	<2