

Ferry Road Landfill

Hydrogeological Risk Assessment - Addendum

Project: Ferry Road Landfill

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1 Introduction

1.1 Purpose of document

In December 2022, Mott MacDonald Limited produced a Hydrogeological Risk Assessment (HRA)¹ for the Ferry Road Landfill site, Grangetown, Cardiff. The purpose of the HRA was to assess the compliance of the site to the Groundwater provisions of the Environmental Permitting (England and Wales) Regulations, 2016².

The HRA recommended continued water monitoring to support further characterisation of potential risks from the landfill. This Addendum provides evaluation of this additional monitoring data to refine the risk assessment provided in the previous HRA¹.

1.2 Summary of previous HRA

The previous HRA¹ summarises monitoring data which was collected up to October 2021 from the Ferry Road landfill leachate wells, and from surface water and groundwater receptors in the vicinity of the landfill.

The monitoring of Ferry Road landfill began in 2019 and initially consisted of monthly monitoring of one groundwater location and three leachate locations. The monitoring network expanded to 33 leachate and five surface water locations which were sampled between May and October 2021.

The HRA¹ provided recommendations which are summarised as:

- The pipework leading into the surface water culvert which discharges into Cardiff Bay at Ferry Court should be sealed to prevent leachate entering the surface water system;
- The pumping station for leachate management should be reinstated to reduce the piezometric head of leachate inside the landfill and the perimeter drains. This should significantly reduce the movement of leachate into the underlying aquifer;
- Add a minimum of three new downgradient groundwater monitoring wells until permit surrender is agreed and the landfill is closed.
- A monitoring programme should be implemented comprising:
 - Six locations across the landfill, including three Leachate Wells (LW) or Observation (OW) and three locations in the wider waste deposits;
 - Pumping stations B, C, D and T1;
 - Existing surface monitoring locations;
 - Two locations in Cardiff Bay, one within 20m of the Ferry Court outfall and the other in the wider area, alongside observations recorded at the time of sampling;
 - The new downgradient groundwater monitoring wells and single existing upgradient monitoring well.

The HRA¹ defined a monitoring suite detailing Contaminants of Concern (CoC): ammoniacal nitrogen³, nitrate, nitrite, pH, chloride, sulphate, Total Organic Carbon (TOC), metals (arsenic, barium, boron, cadmium, chromium III, chromium VI, copper, iron, lead, manganese, total mercury, nickel, potassium and zinc), Total

¹ Mott MacDonald Limited, 2022. Ferry Road Landfill: Hydrogeological Risk Assessment (P02)

² Environmental Permitting (England and Wales) (Amendment) (EU Exit) Regulations, 2019

³ Note: the HRA references a range in naming for the nitrogen species. Therefore, the EQS [Environmental Quality Standard, Annual Average for Surface Waters] value utilised in the HRA is the value for Total Ammonia as N, which is converted using the molar fraction to derive an equivalent EQS for ammonia and ammonium as NH₄ (0.38mg.L).

Petroleum Hydrocarbons (TPH) (total), Polycyclic Aromatic Hydrocarbons (PAH) USEPA 16 speciated and mecoprop.

1.3 Report objectives

The objectives of this Addendum are:

- Summarise changes to the monitoring network since October 2021;
- To provide a summary of leachate data taken from the Ferry Road landfill since October 2021. The assessment is limited to the previously identified CoC;
- Summarise and evaluate the monitoring data from surface water (including Outfall A – Ferry Court) and groundwater receptors to understand the presence of any off-site contamination sources;
- Use the monitoring data obtained since October 2021 to revise the Conceptual Site Model (CSM) and the associated risk assessment for the Ferry Road Landfill site.

1.4 Limitations

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2 Site Background

2.1 Site description and location

The Ferry Road Landfill site (non-engineered and engineered parts) comprises an area of approximately 18ha owned by Cardiff City Council (centred at British National Grid (BNG) 317420, 173790) and lies between Ferry Road Retail Park to the east and the River Ely to the west. The engineered part of the site is an oval shaped hill that sits within the wider landfill. The site is currently used as public open space (Grangemoor Park), with public footpaths circling the site.

2.2 Landfill characteristics

The site first began accepting waste in 1971. This pre-dates landfill licensing regulations and therefore no basal liner was used in the construction of the landfill. Instead, the waste was deposited directly onto the superficial geology (Tidal Flat Deposits). It is understood that the Tidal Flat Deposits are absent in the old channels of the River Ely underlying the site, and at these locations, waste directly overlies the Glaciofluvial Sheet Deposits, resulting in no protection to the underlying aquifer.

In 1998, an 800mm capping layer (which itself was overlain by a 350mm soil layer) was placed on the landfill site to reduce infiltration. A network of herringbone drains was installed under this cap to take any perched leachate produced by infiltrating water into the perimeter drainage pipework.

In addition, nineteen leachate wells were installed to maintain leachate levels to below the piezometric level of the underlying groundwater within the gravels (~4.50 metres above ordnance datum (mAOD)). This would reduce outward flow of leachate into groundwater. Between the leachate channels, leachate levels were expected to form a mound at 6-7mAOD. The leachate wells are connected to gravity drains that take leachate to one of the pumping stations at the site, which themselves transport leachate to Western District Pumping Station.

For reference, further information on landfill characteristics is provided in the HRA¹.

3 Monitoring network

3.1 Current monitoring network

3.1.1 Existing locations

Between May 2021 and February 2023, monthly monitoring was completed at the Pumping Stations, Leachate Wells (LWs), Observation Wells (OWs), surface water and groundwater (FR1) locations. In March 2023, the monitoring locations were refined to 14 locations – inclusive of Pumping Stations (3 locations), OWs (6 samples), surface water (4 samples) and groundwater (FR1) locations – which were sampled both in March and April 2023. Since then, these selected locations have been monitored at a quarterly frequency, with July 2024 being the latest monitoring data assessed within this Addendum.

3.1.2 Changes to the monitoring network

Between December 2022 and January 2023, a further ten boreholes for groundwater monitoring have been installed. These locations comprised shallow (S) and deep (D) paired (adjacent) installations, except RBH1 which was a singular installation and drilled in October 2023. The paired boreholes were monitored monthly between March 2023 and January 2024, with a further monitoring round conducted in April 2024. Ten samples were taken at RBH1 between November 2023 to July 2024.

The HRA¹ evaluated that the likely groundwater flow direction in the Superficial Deposits underlying the landfill was to the River Ely (west), and to the south-east in bedrock (towards Cardiff Bay). To the east of the Ferry Road landfill, groundwater flow direction in the Superficial Deposits is likely to become easterly flow towards the River Taff and Cardiff Bay. However, insufficient groundwater level monitoring locations, and data, was available to inform this conclusion.

The locations of the monitoring points are shown in Appendix B. According to their locations, FR1 is considered to be upgradient, and RBH1 considered to be downgradient of the Ferry Road landfill site. The locations of the paired boreholes mean that is unclear whether they are upgradient, downgradient of unaffected by the landfill site. The shallow installations are located in made ground, and it is therefore

considered unlikely that groundwater impacted by the landfill will be sampled from these standpipes. Therefore, monitoring results from these boreholes are evaluated to be indicative of general water quality in the area.

3.2 Discussions with Cardiff City Council

Discussions were held with Cardiff City Council in September 2024. The following was confirmed:

- Concerning the Ferry Road landfill site:
 - The leachate extraction pumps are now working and subject to a quarterly maintenance regime;
 - The leachate system requires cleaning out every two years to maintain flows within the pipework;
 - The Observation Wells have been refurbished, resulting in 15 now being operational;
 - There should be no reliance on leachate head elevation levels that were taken before March 2024, as the data before March 2024 were reported by monitoring contractors as depths to leachate rather than relative to ordnance data of monitoring wells;
 - Pumping Stations are operational and drain to foul sewer. Pumping Station D is only active seasonally, and further investigations are ongoing to understand the reason, however over-pumping of this location does draw leachate into the chamber.
- Concerning the addition of new monitoring locations:
 - The locations of all new boreholes were agreed with National Resources Wales (NRW), including RBH1 which was installed to comply with NRW instructions.
- Concerning the outfall at Ferry Court:
 - Manhole surveys indicated that a connection existed from the landfill drainage system into the pipe leading to the outfall at Ferry Court. This has since been blocked through concreting of two chambers leading into the pipe, which is thought to have fully sealed the pipe from any landfill drainage. Discharges are still coming from this pipe. However, as the connection to the landfill has been blocked, any discharge is likely to be from the nearby business park/surrounding area.

4 Discussion of monitoring data

4.1 Ferry Road landfill leachate

Samples from the leachate wells and observation wells indicate the contamination potential of Ferry Road landfill should the leachate enter the environment.

A total of 620 samples are available for review, with 460 of these taken after October 2021. Results from each of the samples were screened against Water Quality Standards (WQS), specifically the Environmental Quality Standard (EQS)⁴ and the United Kingdom Drinking Water Standards (UK DWS).

A high-level data summary is presented in Table 4.1. The summary highlights ranges above 50% where CoC were below laboratory limits of detection (LOD), or exceeding either WQS. The data is reported in Appendix A.

⁴ Due to the proximity of the River Ely and Cardiff Bay, which is brackish, the EQS for freshwater and the EQS for coastal and transitional waters are applicable. To provide a conservative assessment, where EQS values for freshwater and transitional waters are available, the lowest value is used.

Table 4.1: Summary of leachate data

Percentage of samples exceeding limits	All samples (May 2021 to July 2024) 620 samples			Samples since October 2021 460 samples		
	Below LOD	Exceedances of UK DWS	Exceedances of EQS	Below LOD	Exceedances of UK DWS	Exceedances of EQS
90.00 – 100.00	Mercury	Ammonia	Ammonia	Mercury	Ammonia	Ammonia
	Hexavalent chromium	Manganese		Hexavalent chromium	Manganese	
	Pyrene			Pyrene		
	Benza(a)anthracene			Benza(a)anthracene		
	Chrysene			Chrysene		
	Benzo(b)fluoranthene			Benzo(b)fluoranthene		
	Benzo(a)pyrene			Benzo(a)pyrene		
	Indeno(1,2,3-cd)pyrene			Indeno(1,2,3-cd)pyrene		
	Dibenza(a,h)anthracene			Dibenza(a,h)anthracene		
	Benzo(g,h,i)perylene			Benzo(g,h,i)perylene		
80.00 – 89.99	Naphthalene	Boron	Manganese	Fluoranthene	Boron	Manganese
	Anthracene	Potassium			Potassium	
	Fluoranthene					
70.00 – 79.99	Cadmium	-	Copper	Cadmium	Iron	Copper
	Acenaphthene			Lead		
	Fluorene			Naphthalene		
	Phenanthrene			Phenanthrene		
				Anthracene		
60.00 – 69.99	Lead	Iron	Nickel	Mecoprop	Chloride	Nickel
	Mecoprop			Acenaphthene		Zinc
				Fluorene		
50.00 – 59.99	-	Chloride	Chromium	TPH	-	Chromium
		TPH	Zinc			

Upon comparing samples from the whole dataset to samples taken since October 2021, the sample ranges are generally consistent.

The proportion of samples below LOD marginally decreased from 81.5% to 78.5% for naphthalene and 81.5% to 76.7% for anthracene. The proportion of samples below LOD marginally increased for lead (66.5% to 73.3%) and TPH (49.5% to 52.8%).

The landfill leachate has remained a significant potential source of ammonia, manganese, boron, potassium and copper, if released to the environment, with >70% of samples in both datasets exceeding a WQS. Zinc is the only contaminant which exceeded in a greater range of proportions when comparing the dataset (54.5% of the 620 samples compared with 61.3% of the 460 samples).

Graphical summaries of exceedances of the UK DWS and EQS are provided in Appendix C to indicate seasonal variation, which may be a result of leachate dilution. The leachate samples generally showed a greater proportion of exceedances during summer months.

4.2 Receptors

4.2.1 Surface water receptors

4.2.1.1 River Ely

Monitoring data from mid-point (Outfall A and Mid A) and downstream (River Sample Under Bypass) were compared to data from the upstream sample (River Sample Under Rail Bridge). The purpose of the comparison was to assess whether contamination from Ferry Road landfill (through a comparison of known CoC in the leachate, see Section 4.1) was likely impacting upon the surface water quality and to assess the presence, and potential extent, of any off-site contamination sources.

The key CoC identified in leachate exceeding EQS were: ammonia, manganese, copper, nickel, chromium and zinc. Average values are summarised in Table 4.2.

Table 4.2: Summary of averages in surface water data

				Upstream	Midpoint		Downstream
				River Sample Under Rail Bridge	Outfall A	Mid A	River Sample Under Bypass
Sample number				30	30	27	30
Determinand	Units	UK DWS	EQS				
Ammonia	mg.l ⁻¹ as N	0.50	0.38	0.30	0.62	0.22	0.51
Manganese	µg.l ⁻¹	50	123	8.13	23.23	23.30	11.89
Copper	µg.l ⁻¹	2,000	1	6.14	6.66	4.97	4.34
Nickel	µg.l ⁻¹	20	4	2.84	3.17	2.73	3.53
Chromium	µg.l ⁻¹	50.	4.70	7.57	6.03	6.10	6.33
Zinc	µg.l ⁻¹	5,000	6.8	12.89	6.57	11.00	18.27

At each of the midpoint and downstream samples, the number of samples exceeding the WQS for cadmium and iron was greater than or equal to the upstream sample which indicates that leachate from Ferry Road landfill may be impacting surface water. The number of exceedances of the WQS of copper and fluoranthene decreased at the mid and downstream monitoring points relative to the upstream sample which indicates that Ferry Road landfill is not impacting surface water for these CoCs. The remaining data shows inconsistent trends.

Nitrite, manganese, and PAHs (benzo(b)fluoranthene, indeno(1,2,3-cd)pyrene and benzo(g,h,i)perylene) were noted in monitoring locations downstream from the upstream monitoring location. To summarise:

- Nitrite was found in exceeding concentrations in a singular sample at Mid A (0.58mg/L exceeding the UK DWS of 0.50mg/L).
- Manganese was noted in exceeding concentrations in a total of six samples across the downstream locations (maximum concentration of 297µg/L at Mid A).
- Indeno(1,2,3-cd)pyrene exceeded in three samples across the downstream locations (a singular sample at Mid A and two samples at River Sample Under Bypass).
- Benzo(b)fluoranthene and benzo(g,h,i)perylene were not noted in the midpoints, but noted in the downstream sample.

In conclusion, the data does not indicate a consistently clear correlation between contaminants in downstream samples and contaminants in leachate. This correlation would be expected if significant ingress of contaminated leachate to the River Ely was occurring. The available data indicates that the River Ely is impacted by other contaminant sources in the area.

4.2.1.2 Cardiff Bay via Ferry Court Outfall

According to information from Cardiff City Council, pipework connecting the landfill to the monitoring location Outfall A – Ferry Court has been filled with concrete in two locations, which should block the pathway from the landfill to Cardiff Bay.

The contamination summary of the Ferry Court outfall monitoring location (comprising 30 samples) is summarised in Table 4.3.

Table 4.3: Contamination summary from Outfall A – Ferry Court

Determinand	Units	WQS		Outfall A – Ferry Court		
		UK DWS	EQS	Range ⁵	Average	Number of WQS exceedances (total of standards) ⁶
Ammonia	mg/l as N	0.5	0.38	0.26 – 52.50	15.88	58/60
Nitrite	mg/l as NO ₂	0.5	-	0.02 – 1.00	0.19	3/30
Arsenic	µg/l	10	25	0.21 – 0.23	1.61	1/60
Barium	µg/l	1,000	-	44.40 – 1,300	521.70	1/30
Boron	µg/l	1,000	-	175 – 2,820	1,203	16/30
Cadmium	µg/l	5	0.08	1.70 – 1.80	1.75	2/60
Chromium	µg/l	50	4.7	1.20 – 9.80	2.80	3/60
Copper	µg/l	2,000	1	1.00 – 32.60	5.48	26/60
Iron	µg/l	200	1,000	5.40 – 6,918.26	814.36	25/60
Lead	µg/l	10	1.2	4.60 – 18	10.16	12/60
Manganese	µg/l	50	123	15.10 – 1,260	225.89	41/60
Nickel	µg/l	20	4	2.50 – 11.20	4.60	1/60
Zinc	µg/l	5,000	6.8	1.80 – 107	23.76	19/60
Potassium	mg/l	12	-	2.30 – 246	22.79	19/30
Chloride	mg/l	250	-	10.30 – 1,580	198.92	4/30
Sulphate	mg/l	250	-	0.90 – 1,180	58.70	1/30
Mecoprop	µg/l	10	18	1.40 – 13.60	6.13	1/60
TPH	mg/l	0.01	-	0.07 – 0.86	0.38	7/30
Anthracene	µg/l	-	0.1	0.59 ⁷	0.59	1/30
Fluoranthene	µg/l	0.038	0.0063	0.21 ⁷	0.21	2/60
Benzo(b)fluoranthene	µg/l	0.1	0.00017	5.30 ⁷	5.30	2/60
Benzo(a)pyrene	µg/l	0.1	0.00017	4.90 ⁷	4.90	2/60
Indeno(123-cd)pyrene	µg/l	0.1	0.00017	7.30 ⁷	7.30	2/60
Benzo(ghi)perylene	µg/l	0.1	0.00017	7.50 ⁷	7.50	2/60

⁵ The minimum concentrations used throughout this Addendum is where values are >LOD.

⁶ Note that number of WQS exceedances are recorded. Therefore, where a contaminant has an EQS and UK DWS value which it exceeds (for example, ammonia), this is counted as two exceedances. This is expressed against a potential number of total exceedances in the Table.

⁷ Only a singular concentration was above LOD.

Although pipework leading from the landfill to the Ferry Court outfall has been blocked by being concreted, and therefore the pathway to Cardiff Bay from the landfill is considered to be severed, the contaminant profile at Ferry Court outfall continues to show exceedances of some of the key CoC in landfill leachate (Table 4.2). The concentrations of contaminants at the outfall do not show a significant decreasing trend in recent data, which would have indicated that Ferry Road landfill was impacting upon the quality of this effluent but is no longer (refer to Appendix C). This indicates that either; there is a secondary pathway from the landfill to the outfall that is ongoing, or, there is an alternative contaminant source.

It should be noted that other waste deposits are present in the area surrounding the landfill, through which the pipework passes, which could be providing a source of contamination with a similar profile to the landfill leachate (although leachate tests on this material is not known to have been undertaken to confirm this). If impacted water in these deposits is entering the pipework leading to the outfall, the outfall would still show elevated concentrations of contaminants, although not sourced from Ferry Road landfill directly.

Overall, no definitive conclusions can be formed concerning the pollutant linkage between Ferry Road landfill and Ferry Court outfall.

4.2.2 Groundwater receptors

4.2.2.1 Compliance criteria

As in the HRA, the compliance point for hazardous substances is considered to be the water table below or adjacent to the landfill site, and compliance criteria are the minimum reporting value (MRV) or laboratory method detection level (MDL). For non-hazardous substances, the lowest Environmental Quality Standard (EQS) for freshwater and coastal/transitional waters is used unless not available, in which case the UK Drinking Water Standard (DWS) is used instead.

Leachate data is also compared to the compliance criteria, which is noted to be conservative as it does not account for dilution.

The contaminants of concern identified in the HRA are assessed in this report. They constitute ammonia, nitrite, chloride, heavy metals and metalloids (arsenic, boron, chromium, copper, iron, lead, manganese, mercury, nickel, potassium, zinc), organics (TPH, mecoprop) and PAHs (naphthalene, acenaphthene, fluorene, phenanthrene, fluoranthene). Comment on other monitored contaminants may also be made if relevant.

4.2.2.2 Upgradient and downgradient monitoring

For upgradient monitoring (FR1⁸), 30 samples are available. Exceedances of the WQS of ammonia, mercury, manganese, nickel, sulphate, anthracene, indeno(1,2,3-cd)pyrene were noted in singular samples, whereas exceedances of boron, cadmium and fluoranthene were each noted in two samples. A greater number of exceedances (between 3 and 6) were noted of iron, zinc, chloride and TPH. The most prevalent exceedances were of chromium (22 exceedances of EQS, although no exceedances of the UK DWS), copper (26 exceedances of the EQS, although no exceedances of the UK DWS), lead (12 exceedances of the EQS; 4 exceedances of the UK DWS) and potassium (22 exceedances of the UK DWS were noted). Where a WQS is available, no exceedances were noted of nitrate, nitrite, arsenic, barium, hexavalent chromium, mecoprop, naphthalene or benzo(b)fluoranthene, benzo(a)pyrene or benzo(g,h,i)perylene.

In downgradient monitoring, 10 samples are available at RBH1, which has a response zone in the Tidal Flat Deposits. Exceedances are noted of boron and indeno(1,2,3-cd)pyrene in singular samples. Exceedances of chromium and benzo(a)pyrene were noted in two samples. Exceedances were noted in a greater number of samples of ammonia, cadmium, copper, iron, manganese, zinc, potassium, chloride, sulphate, TPH,

⁸ The HRA¹ states that the installation details of FR1 are unknown. As it is evaluated in the HRA as being upgradient, it is evaluated that the response zone is in the superficial deposits (Glaciofluvial Sheet Deposits).

anthracene and fluoranthene. Where a WQS is available, no exceedances were noted of: nitrate, nitrite, arsenic, mercury, barium, lead, nickel, hexavalent chromium, mecoprop, naphthalene, benzo(b)fluoranthene, benzo(g,h,i)perylene.

When comparing upgradient and downgradient groundwater quality (with consideration of the CoC in leachate), concentrations of some key contaminants did increase but not all.

It is noted that there is only a singular downgradient standpipe which is monitoring geology that is not underlying Ferry Road landfill. As there is no basal liner underneath the landfill, contaminated leachate is likely entering groundwater in the Glaciofluvial Sheet Deposits.

Based on the contaminant profiles and limited downgradient dataset, it is not possible to definitively prove the impact of Ferry Road landfill on the groundwater quality in the superficial deposits. However, based on the quality of groundwater in the upgradient borehole, it can be stated that groundwater in the area is impacted by contaminant sources upgradient of Ferry Road landfill.

4.2.2.3 General groundwater quality

The shallow response zones target made ground, with the deeper response zones in the Glaciofluvial Sheet Deposits. Made ground materials are commonly noted to include, for example, rubber, plastic, polystyrene. The presence of made ground in the borehole logs demonstrates that there are extensive poor quality soils in the wider area.

Due to the lack of groundwater level data, it is not possible to conclude whether the new boreholes are upgradient, downgradient, or unaffected by the Ferry Road landfill.

The summary of groundwater data is provided in Table 4.4.

Table 4.4: Summary of groundwater data in general quality boreholes

Determinand	Units	WQS		Shallow boreholes (S) 49 samples			Deep boreholes (D) 50 samples		
		UK DWS	EQS	Range	Average	Number of WQS exceedances ⁹	Range	Average	Number of WQS exceedances ⁹
Ammonia	mg/l as N	0.5	0.38	0.17 – 78.40	18.55	92/98	0.04 – 77.80	21.23	78/100
Arsenic	µg/l	10	25	0.37- 37.00	2.49	2/98	0.45 – 14.00	2.78	2/100
Boron	µg/l	1000	-	68.90 – 6,200	1,659	20/49	38.30 – 5,200	2,005	31/50
Cadmium	µg/l	5	0.08	0.97 – 2.00	1.40	17/98	0.94 – 8.30	1.70	29/100
Chromium	µg/l	50	4.7	1.00 – 14.30	5.60	5/98	1.20 – 18.20	6.43	10/100
Copper	µg/l	2000	1	0.98 – 57.14	22.09	20/98	1.20 – 53.10	17.76	40/100
Iron	µg/l	200	1000	23.50 – 17,000	2,042	52/98	23.40 – 30,500	2,578	49/100
Lead	µg/l	10	1.2	4.50 – 14.10	8.20	7/98	4.40 - 39.10	11.86	9/100
Manganese	µg/l	50	123	32.90 – 5,606	1,766	96/98	3.90 – 4,100	892.45	89/100
Nickel	µg/l	20	4	1.50 – 57.80	10.94	25/98	1.50 – 43.70	7.29	7/100
Zinc	µg/l	5000	6.8	2.10 – 94.03	24.14	23/98	1.80 – 174	28.21	39/100
Potassium	mg/l	12	-	2.90 – 48.20	24.79	44/49	3.00 – 216	66.82	43/50
Chloride	mg/l	250	-	12.67 – 934	272.55	12/49	18.90 – 8,937	2,765	33/50
Sulphate	mg/l	250	-	1.20 – 1,056	112.44	3/49	1.40 – 522	164.05	21/50

⁹ Note that number of WQS exceedances are recorded. Therefore, where a contaminant has an EQS and UK DWS value which it exceeds (for example, ammonia), this is counted as two exceedances.

Determinand	Units	WQS		Shallow boreholes (S) 49 samples			Deep boreholes (D) 50 samples		
		UK DWS	EQS	Range	Average	Number of WQS exceedances ⁹	Range	Average	Number of WQS exceedances ⁹
TPH	mg/l	0.01	-	0.06 – 4.67	0.68	22/49	0.06 – 3.38	0.57	20/50
Anthracene	µg/l	-	0.1	0.43 – 0.76	0.58	5/49	0.42 – 0.94	0.56	6/50
Fluoranthene	µg/l	0.038	0.0063	0.17 – 7.40	3.79	4/98	0.05 – 0.67	0.36	4/100

Average concentrations of contaminants were frequently higher in groundwater in the Glaciofluvial Sheet Deposits than in the made ground. Exceedances of the WQS vary in total number between shallow and deep boreholes but indicate regional diffuse contamination.

In comparison to the key CoC noted in Table 4.2, the following evaluations are made:

- Exceedances of ammonia were noted in each sample in borehole pairs 1/2 and 3/4. The majority of samples were exceeding both the EQS and UK DWS in each of the standpipes except 5/6 (D) and 7/8 (D).
- Exceedances of the EQS for chromium were rare but noted at each location except in 3/4 (S) or 5/6 (S).
- Manganese exceedances of both WQS were noted in every sample from 1/2, 3/4, 5/6 (D), 7/8 and 9/10. A singular sample at 5/6 (S) was below both WQS, and a further sample exceeded the UK DWS but did not exceed the EQS (concentration of 54.89µg/L).
- Exceedances of nickel (generally EQS, although discrete samples also exceeded the UK DWS) were not noted in 1/2 (D) or 5/6 (S). Only one exceedance of the EQS was noted in 3/4 (D) and 5/6 (D), 7/8 (S) and 7/8 (D). Exceedances were common in 9/10 (S), but only noted in one sample at 9/10 (D).
- Exceedances of copper (EQS only) were noted in each standpipe in varying proportions. Only two samples exceeded at 1/2 (S), with exceedances more common at other standpipes.
- Exceedances of zinc (EQS only) were noted at each sample of 9/10 (S) and in all but one standpipe in 9/10 (D). The other standpipes noted exceedances of zinc in varying proportions.

In summary, exceedances of the WQS have been noted of CoC in shallow and deep boreholes in the vicinity of Ferry Road landfill.

Without monitoring of groundwater elevations, it cannot be confirmed that the source of the contamination in these standpipes is Ferry Road landfill as groundwater flow direction cannot be conclusively determined. Commonalities in contaminant profiles may indicate that leachate from Ferry Road landfill is impacting upon general groundwater quality, however as already discussed, leachable contamination from more widespread waste deposits/made ground in the area may be contributing to elevated concentrations of contaminants in groundwater against WQS.

Without elevation monitoring, the data from these locations can be used to provide indicators of general groundwater quality of the area. It is possible that groundwater quality in these boreholes, in particular 1/2 (D), based off location and response zone, are impacted by Ferry Road landfill.

4.2.2.4 Compliance criteria for groundwater

The results from comparison to compliance criteria for hazardous substances are noted in Table 4.5.

Table 4.5: Summary of comparison to compliance criteria

Determinand	Units	MRV / (MDL)	Upgradient		Downgradient		General shallow		General deep	
			FR1		RBH1		(S)		(D)	
			Exceedance number	Max. concentration	Exceedance number	Max. concentration	Exceedance number	Max. concentration	Exceedance number	Max. concentration
Arsenic	µg.l ⁻¹	(0.2)	30/30	2.40	9/10	3.00	48/49	37.00	50/50	14.00
Mercury	µg.l ⁻¹	0.01	1/30	0.13	1/10	0.05	0/49	0.00	0/50	0.00
Lead	µg.l ⁻¹	(4.1)	12/30	21.20	0/10	0.00	5/49	14.10	7/50	39.10
Mecoprop	µg.l ⁻¹	0.04	0/30	<0.05	0/10	<0.05	8/49	8.10	6/50	5.50
TPH	mg.l ⁻¹	(0.2)	2/30	0.83	7/10	2.20	17/49	4.67	17/50	3.38
Acenaphthene	µg.l ⁻¹	(0.05)	0/30	<0.05	1/10	1.50	1/49	1.50	1/50	1.20
Phenanthrene	µg.l ⁻¹	(0.05)	1/30	0.33	3/10	1.90	5/49	2.38	7/50	2.40
Anthracene	µg.l ⁻¹	(0.05)	1/30	0.49	4/10	1.90	5/49	0.76	6/50	0.94
Fluoranthene	µg.l ⁻¹	(0.05)	2/30	0.80	3/10	1.70	2/49	7.40	1/50	0.67
Benzo(a)anthracene	µg.l ⁻¹	(0.05)	0/30	<0.05	2/10	1.80	0/49	<0.05	0/50	<0.05
Benzo(b)fluoranthene	µg.l ⁻¹	(0.05)	0/30	<0.05	0/10	<0.05	0/49	<0.05	0/50	<0.05
Indeno(123-cd)pyrene	µg.l ⁻¹	(0.05)	1/30	0.30	1/10	0.35	0/49	<0.05	0/50	<0.05

Each sample exceeded the MDL for arsenic, except one sample at RBH1, which was equal to the MDL. Exceedances of indeno(1,2,3-cd)pyrene were not noted in the general quality boreholes, but noted in upgradient and downgradient monitoring locations. Similarly, exceedances of the MRV for mecoprop was noted in general quality boreholes but not in FR1 or RBH1.

It should be noted the dataset for FR1 is much larger than RBH1, and therefore exceedance the proportion of samples exceeding should be considered rather than the absolute number. The maximum concentrations of hazardous substances have increased between FR1 and RBH1 for arsenic, TPH, and PAHs. Exceedances of the MDL for acenaphthene and benzo(a)anthracene were not noted in FR1, but were noted in RBH1 on a single occasion.

The source of these hazardous contaminants may be Ferry Road landfill, or waste deposits in the wider area.

4.3 Leachate elevation

Monitoring data from selected Observations Wells were used to calculate an average head of leachate within the landfill. The dips, which were monthly between March and August 2024, showed a consistent decline in head elevation, from 7.54mAOD in March to 5.87mAOD in August.

This is shown graphically in Appendix C.

5 Conceptual Site Model / Risk Assessment revision

5.1 CSM and risk assessment

The CSM presented in Section 3 of the HRA¹ describes the potential pathways through which the leachate is migrating from the landfill. Based on the available data, the key potential pollutant linkages are highlighted and reviewed.

1. Failure of the leachate collection system leading to increased piezometric head of the leachate within the landfill.

Available data is limited to observation wells, but the dips show a decreasing trend in leachate elevation. The most recent average head elevation (5.87mAOD) is below the mound which is expected to form between the old river channels at 6-7mAOD¹. Note that, as the dips reflect a time period of March to August, this may reflect seasonality (e.g. precipitation changes) and not fully indicate efficacy of the leachate management system. However, the Pumping Stations and abstraction wells are noted to be operational (Section 3.2) and the decline in leachate elevation is likely to be partly, if not mostly, reflective of this.

If the leachate head continues to fall, then hydraulic containment may be reinstated (the piezometric level to reinstate this is approximately 4.50mAOD¹), which should reduce the magnitude of mobile contamination dispersing from Ferry Road landfill via groundwater. Although monitoring data from the leachate wells were unreliable (due to errors when collecting the measurements), it is considered that elevation in these wells are similar to the observation wells. On this basis, it is assessed that the pathway is still operational, although reduced when compared to the previous HRA, and will continue to reduce if leachate head continues to fall.

2. Overflowing perimeter drains leading to leachate breakouts on the landfill sides and leakage to a surface water culvert to the east of the site.

Cardiff City Council has confirmed that the pumping stations, designed to receive the leachate from the perimeter drains, are operational, although Pumping Station D (west side) shows seasonal flows and therefore is being investigated further. All Pumping Stations on the east side are fully operational and no leachate has been noted in the perimeter drain since. Previous non-operation of the Pumping Stations is believed to have led to leachate entry to the surface water culvert. The contamination at Outfall A – Ferry Court that was understood to have been occurring was believed to be a result of a direct connection from a pipe leading from the landfill, which has now been blocked. The outfall discharge has not shown a noticeable reduction in contaminant concentrations (Section 4.2.1.2; Table 4.1; Appendix C). This indicates that either there is another pathway from the landfill, or that the landfill was not notably impacting on the discharge and the contamination is from another source (e.g. regional diffuse contamination). There is no obvious alternative pathway from the landfill.

As the pumping stations are active, and no further evidence of leachate breakout resulting in entry of leachate to the surface water culvert has been noted, this linkage is considered to be broken.

3. The direct discharging of leachate into the River Ely via two concrete outfalls to the north end of the landfill site.

Pumping Stations designed to receive the leachate from the perimeter drains are confirmed by Cardiff City Council to be operational, although Pumping Station D (west side) shows seasonal flows and therefore is being investigated further. The presence of leachate from the landfill has been reported in the shallow ground close to Pumping Station D when it is not operational, which is thought to be penetrating surface

water pipes linked to the surface water ditch on the western side of the landfill. Small quantities of leachate may be entering the River Ely from this location.

If the landfill was providing an active and significant source of contamination to the river, it would be expected that there would be a much greater number of exceedances of the CoC in leachate than is evident in the data. For example, boron, which exceeded the WQS in >95% of the leachate samples, was only recorded to exceed the WQS in one sample at Outfall A (1,100µg/L exceeding the UK DWS of 1,000µg/L), or potassium, which exceeded the WQS in >86% of leachate samples, but was not measured exceeding the WQS in any sample at Outfall A.

Therefore, based on the contaminant profiles and confirmed activity of the pumping stations, it is considered that this pathway has reduced in magnitude, although it may still be operational. Significant meteorological events (e.g. heavy rainfall) will likely increase the strain on the leachate management system which may lead to direct discharges occurring.

4. There is some consistency between CoC in leachate and in surface water samples, but many of the CoC are commonly noted in upstream samples. This indicates that the water in the River Ely is impacted with multiple contaminants before it reaches the vicinity of the landfill, supporting the conclusions that the landfill is not causing significant additional pollution of the River Ely¹.

The data since October 2021 supports this evaluation. Many of the monitored determinands are still recorded to be exceeding WQS in upstream samples. In surface water samples, the only CoC exceeding the WQS in mid or downstream samples which were not reflected in the upstream sample are nitrite, manganese, and selected PAHs; although these exceedances are not widely observed. The most common of these contaminants is manganese which was noted in concentrations above the WQS in six samples. If the landfill was providing an active and significant source of contamination to the river, it would be expected that there would be a much greater number of exceedances of the CoC in leachate than is evident in the data.

The surface water data has inconsistencies and does not show clear seasonal variation, except perhaps in UK DWS exceedances, which were generally in a greater proportion during the summer months. This may be a result of reduced dilution of any released leachate. Exceedances of the applicable WQS are generally inconsistent at the mid-points or downstream samples relative to the upstream sample.

Ferry Road landfill is likely contributing in some part to the contamination of the River Ely. Exceedances of each of the contaminants which were noted in the River Ely have been noted across Ferry Road landfill. Strain on the leachate management system during heavy rainfall may cause breakouts or discharge to surface water receptors as the integrity of the landfill capping soils may have been reduced over time due to animal and plant interference. However, the general consistency between contaminant profiles indicates that Ferry Road landfill is not contributing gross contamination to the River Ely. Contaminant profiles do not indicate a clear correlation between contaminants in downstream samples and contaminants in leachate.

5. In upgradient, shallow groundwater, limited [CoC] were also detected, indicating that the aquifer in the wider area is impacted by inorganics prior to it reaching the landfill¹.

In groundwater monitoring, there is limited spatial coverage as there are only singular upgradient and downgradient boreholes. Monitoring to date indicates that, as well as inorganics, upgradient groundwater (FR1) is also impacted by organic contaminants, specifically TPH and PAHs (anthracene, fluoranthene, indeno(1,2,3-cd)pyrene).

Since the previous HRA, a downgradient borehole has been installed (RBH1). In RBH1, exceedances of nickel and lead were not identified, despite being identified in FR1. Similarly, in RBH1, exceedances of benzo(a)pyrene were noted which were not identified in FR1.

Additional boreholes have also been installed in the area since the HRA, which are considered likely to be providing results indicative of general groundwater quality. Results from these boreholes record WQS exceedances of organics and inorganics, suggesting that groundwater in the area is generally contaminated.

However, due to the lack of groundwater elevation data in these boreholes, it is not currently possible to conclude whether the new boreholes are upgradient, downgradient, or unaffected by the Ferry Road landfill.

6. It is noted that numerous other sources of contamination exist in the area, and it is likely that these are contributing to the quality of the water around the landfill, including groundwater. The condition of the groundwater in the vicinity of the landfill is not well defined and therefore conclusions on impacts to the underlying aquifer is not possible with available data.

Data does indicate that the quality of the groundwater quality is impacted (including WQS exceedances) prior to it reaching the vicinity of the landfill, where it could feasibly be impacted by leachate. This indicates that there are up-gradient contaminant sources not related to the landfill.

Since the HRA, the additional monitoring data from the new groundwater boreholes (except RBH1, which is down-gradient) provide further evidence of generally poor, regional groundwater quality, likely as a result of the widespread deposition of waste and made ground in the area. When comparing upgradient and downgradient groundwater quality (with consideration of the CoC in leachate), concentrations of some key contaminants did increase but not all.

Ferry Road landfill is therefore likely contributing in some part to the contamination of groundwater receptors, as there is no basal liner to protect the superficial deposits. However, based on the differences in recorded contaminant profiles (CoC in leachate compared to in controlled waters) and limited improvement in groundwater quality from the reactivation of the leachate management system, it is not clear that the landfill forms a significant source for the degradation of waters in the area, or that the response to the measures implemented have not yet been observed.

6 Conclusions and Recommendations

6.1 Conclusions

6.1.1 Contaminant sources

In conclusion, a total of 63 monitoring visits have been completed between 2019 and 2024 at the Ferry Road landfill site. This report has evaluated the data, with a focus on monitoring after October 2021 and CoC established by the previous HRA¹. It aims to evaluate the contamination potential, and the effect on surface water and groundwater receptors, of Ferry Road landfill since the leachate management system was reactivated.

Available leachate data taken from the landfill site indicate that it could be a source of contamination if leachate was to enter the environment. Over 50% of leachate samples taken after October 2021 show exceedances of the applicable WQS for heavy metals and inorganics.

As Ferry Road landfill does not have a basal liner, it is likely that it has contributed to regional contamination in some part. However, the available data indicates the presence of off-site contamination sources and general regional contamination. Whilst in varying proportions, exceedances of the WQS have been noted at monitoring locations:

- Upstream of the site in the River Ely of:
 - heavy metals and metalloids, inorganics, TPH and PAHs (anthracene, fluoranthene, benzo(b)fluoranthene, indeno(1,2,3-cd)pyrene and benzo(g,h,i)perylene).
- Upgradient of the site (FR1) in groundwater:

- Heavy metals and metalloids, inorganics, TPH and PAHs (anthracene, fluoranthene, indeno(1,2,3-cd)pyrene).
- General groundwater samples (refer to Section 4.2.3):
 - Heavy metals and metalloids, inorganics, TPH and PAHs (anthracene and fluoranthene).

Further evidence of off-site sources may be indicated by the contaminant profile at Outfall A – Ferry Court (Section 4.2.1.2; Table 4.1). Despite the pipework being concreted and therein the pathway to Ferry Road landfill severed, exceedances of heavy metals and metalloids, inorganics, TPH and PAHs (anthracene, fluoranthene, benzo(b)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene and benzo(g,h,i)perylene) have been noted since October 2021. These contaminants have similarities to the established CoC, and therefore the source of the contamination may be Ferry Road landfill via an alternative and currently unknown pathway, or from an alternative source such as other waste deposited in the area. Widespread deposition of waste and made ground in the area is likely contributing to regional contamination.

6.1.2 Contaminant profiles

Contaminant profiles were compared to assess the impact of the Ferry Road landfill site on the environment. 620 samples in total were analysed, with 460 samples since October 2021. Exceedances of the WQS for each of the CoC have been noted in leachate from the Ferry Road landfill site.

In the River Ely, the data does not indicate a consistently clear correlation between contaminants in downstream samples and contaminants in leachate. This correlation would be expected if significant ingress of contaminated leachate to the River Ely was occurring. The available data indicates that the River Ely is impacted by other contaminant sources in the area.

When comparing groundwater quality upgradient and downgradient of the landfill (with consideration of the CoC in leachate), concentrations of some key contaminants did increase in the downgradient borehole but not all. Based on the contaminant profiles and limited downgradient dataset, it is not possible to definitively prove the impact of Ferry Road landfill on the groundwater quality in the superficial deposits. However, based on the quality of groundwater in the upgradient borehole, it can be stated that groundwater in the area is impacted by contaminant sources upgradient of Ferry Road landfill.

Due to the identified overlap of contaminant profiles in surface water and groundwater, and the general poor quality of regional groundwater, it is evaluated that the wider area of the landfill site is affected by contamination sources other than only the landfill. It is accepted that Ferry Road landfill may still be contributing limited contamination to these receptors. This is further justified by the lack of exceedances for key determinands in these receptors (e.g. boron) which were commonly measured in landfill leachate.

6.1.3 Dispersion of contamination

Despite limited leachate data, the OW average head elevations indicate that the hydraulic containment at the landfill is not fully active as leachate is above the approximate elevation of the River Ely and Cardiff Bay. However, the contaminant profiles of surface water and groundwater receptors indicate that the Ferry Road landfill is not causing significant contamination. This may be as a result of the reduction of leachate levels, which has led to a degree of hydraulic containment.

Cardiff City Council has confirmed the Pumping Stations are operational and the monitoring data have indicated that the piezometric head of leachate is falling inside the landfill. These actions are ongoing to re-instate this hydraulic containment.

6.2 Recommendations

This report culminates in the following recommendations:

- Further assessment, for example a Detailed Quantitative Risk Assessment, is not required for this site;

- Further contamination testing should be completed to confirm that no new issues will arise from the landfill. The monitoring network should be further refined, and monitored at 6-monthly intervals. The monitoring frequency is summarised in Table 6.1.
- It is not recommended to continue monitoring at Ferry Court. The pipework leading from the landfill to this outfall has been blocked and it is considered that the pathway from Ferry Road landfill has been severed. Contamination in this outfall is considered to be sourced from material external to the landfill.
- Over the next six months, monthly monitoring of the piezometric head in leachate should be completed to assess whether hydraulic containment is continuing to increase, reducing to 6-monthly thereafter;
- During the monthly monitoring, the landfill should be inspected for surface breakouts;
- Cardiff City Council have confirmed that the Ferry Road landfill site is subject to a consistent maintenance regime, including maintenance of the leachate system and extraction pumps. It is recommended that this maintenance regime continue, with periodic reviews as to whether maintenance periods are suitable or need to be extended or reduced. Should the any part of the leachate management system be found to be inactive, measures should be implemented to re-instate the system as soon as possible.

Table 6.1: Proposed monitoring frequency

Monitoring purpose	Locations		Frequency	Notes
Contamination	Surface Water	River Sample Under Rail Bridge River Sample Under Bypass	6-monthly	Upstream and downstream samples. Test for established CoC.
	Groundwater	FR1 RBH1		Upgradient and downgradient samples. Test for established CoC.
	Ferry Road landfill leachate	OW01 OW13 OW05 OW16 OW09 OW19		Three of the six OWs should be monitored. These OWs should be changed between monitoring rounds to provide spatial coverage in the landfill. Test for established CoC.
Leachate elevation	Leachate Wells Observation Wells	LW1, LW3-LW19 OW01-OW07, OW09-OW15, OW18, OW19	Monthly until 6 months. Then, 6-monthly.	-

The actions undertaken by Cardiff City Council to reduce the leachate head within the landfill should be continued to develop the hydraulic containment of leachate within the landfill.

Appendices

A.	Screening results	19
B.	Monitoring locations	20
C.	Graphical results	21

A. Screening results

Screening key:

Exceedance of UK DWS
Exceedance of EQS
Exceedance of both WQS

Oct-23	Jan-24	Apr-24	Jul-24	May-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22
Pumping Station C	Pumping Station C	Pumping Station C	Pumping Station C	Pumping Station D	Pumping Station D	Pumping Station D	Pumping Station D	Pumping Station D	Pumping Station D	Pumping Station D	Pumping Station D	Pumping Station D	Pumping Station D	Pumping Station D	Pumping Station D	Pumping Station D	Pumping Station D	Pumping Station D	Pumping Station D	Pumping Station D
98.20	55.90	88.74	320	256.90	128.80	248.50	280.00	232.40	198.10	206.00	120.00	171.00	187.00	157.00	56.50	221.00	363.00	127.00	287.00	296.00
4.10	13.20	0.37	3.50	5.40	<0.3	8.60	24.00	0.97	31.80	6.40	2.00	3.10	0.35	0.75	<0.3	0.62	2.50	13.50	4.40	7.50
0.94	0.12	<0.001	0.71	0.72	0.05	0.42	2.10	0.10	46.30	0.89	0.37	0.00	0.24	<0.003	<0.003	0.32	0.77	0.51	2.10	2.50
0.86	0.61	3.00	6.80	2.60	11.00	2.50	1.60	1.80	1.50	3.30	1.20	1.20	2.00	1.20	0.70	0.26	2.10	0.87	1.90	4.30
<0.05	< 0.05	<0.05	<0.05	<0.05	<0.05	0.13	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
335.00	287.00	349.71	482.00	45.70	837.00	285.00	310.00	396.00	434.00	586.00	353.00	325.00	923.00	576.00	293.00	494.00	462.00	359.00	137.00	393.00
3100.00	1700.00	2858.21	7081.00	7390.00	3870.00	9180.00	5500.00	6600.00	6330.00	5490.00	3587.00	2470.00	5430.00	4210.00	1180.00	7090.00	7060.00	2950.00	6210.00	10100.00
1.50	1.90	1.88	<0.9	1.30	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	1.00	1.00	<0.9
<1.0	<1.0	6.27	13.5	8.60	4.20	5.50	4.20	5.10	5.60	8.10	2.90	<1.0	4.90	3.90	9.40	7.20	7.90	3.30	33.10	10.40
<0.8	<0.8	<0.8	4.9	3.40	2.00	<0.8	<0.8	0.90	2.60	1.50	1.60	1.10	<0.8	<0.8	3.10	1.30	2.30	4.00	8.50	4.80
182.00	1200.00	994.87	71.9	192.00	129.00	576.00	603.00	625.00	905.00	2310.00	169.00	109.00	17500.00	1600.00	57.60	547.00	172.00	76.60	428.00	325.00
9.10	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	6.50	12.00	10.30	<4.1	<4.1	23.40	<4.1	5.80	<4.1	10.20	<4.1	5.40	<4.1
288.00	549.00	700.52	785	80.70	238.00	969.00	275.00	529.00	447.00	115.00	765.00	630.00	613.00	494.00	471.00	498.00	503.00	614.00	48.60	261.00
<1.5	<1.5	<1.5	6.7	11.60	7.90	9.00	8.30	9.20	9.30	6.70	5.70	6.60	6.70	7.40	4.70	4.60	10.20	7.20	27.70	11.60
<1.1	6.70	<1.1	71	6.70	<1.1	90.80	102.00	21.70	34.70	88.10	49.30	112.00	25.10	13.70	281.00	45.00	69.70	438.00	73.70	11.10
64.80	39.40	44.74	157	156.00	101.00	119.00	128.00	166.00	150.00	124.00	<0.2	77.30	123.00	107.00	101.00	163.00	136.00	81.30	123.00	166.00
<0.1	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.50	<0.50	<0.50	<0.1	<0.1	<0.1	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1
7.60	7.50	7.28	7.6	8.00	7.20	7.20	7.60	7.30	7.50	8.00	7.70	7.10	7.20	7.30	7.50	7.40	7.40	7.10	7.90	7.60
701.00	250.00	328.08	387	454.00	197.00	385.00	333.00	385.00	377.00	319.00	177.00	193.00	309.00	261.00	107.00	330.00	350.00	225.00	494.00	529.00
4.40	114.00	56.40	123	391.00	111.00	95.40	87.50	85.70	80.10	35.10	50.60	185.00	195.00	210.00	171.00	44.40	60.60	53.80	37.90	35.60
<0.4	74.20	23.16	27.5	11.00	40.40	22.50	13.40	43.50	24.00	22.20	47.20	36.00	25.40	39.00	37.40	18.60	32.40	31.70	10600.00	21.10
2.20	<0.1	2.25	<0.1	6.00	4.80	<0.1	<0.1	34.00	<0.1	<0.1	<0.1	<0.1	16.30	19.70	<0.1	15.40	<0.1	11.30	14.10	<0.1
0.27	<0.20	6.29	<0.2	<0.2	0.20	0.20	0.40	0.30	<0.2	0.40	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.20	0.70	0.40
<0.05	<0.10	<0.5	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	0.64
<0.05	<0.10	1.90	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	1.80	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	4.20
<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	1.80	<0.05	0.90	<0.05	<0.05	<0.05	<0.05	<0.05	1.10	<0.05	0.54	<0.10	<0.10	1.10	2.20
<0.05	<0.10	2.14	0.69	<0.05	<0.05	0.99	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	0.49	0.32
<0.05	<0.10	2.26	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	0.32	<0.10
<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	2.30	<0.05	<0.05	<0.10	1.00	<0.10	0.65	<0.10
<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	6.70	0.90	0.58	<0.10
<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	1.50	<0.10	<0.10	<0.10
<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10
<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10
<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10
<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.43	<0.10	<0.10	<0.10	<0.10
<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10
<0.05		<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	2.10	<0.10	<0.10	<0.10

Ferry Road Landfill

Leachate Screening

Mar-23	Apr-23	Jul-23	Oct-23	Jan-24	Apr-24	Jul-24	May-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22
OW01	OW01	OW01	OW01	OW01	OW01	OW01	OW02	OW02	OW02	OW02	OW02	OW02	OW02	OW02	OW02	OW02	OW02	OW02	OW02	OW02
0.52	12.70	213.00	4.00	8.60	72.34	178	49.07	1.40	21.07	26.74	31.78	25.13	40.00	37.30	1.60	24.00	0.94	7.00	10.70	27.70
14.20	1.00	1.10	<0.3	15.80	<0.3	19.3	<0.3	1.50	1.40	<0.3	0.62	1.90	0.53	0.31	0.53	1.30	<0.3	0.62	0.44	4.90
0.13	<0.003	<0.003	<0.003	<0.003	<0.001	1.58	<0.003	0.02	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
0.26	0.59	1.20	0.49	<0.20	2.80	5.5	1.20	0.95	0.96	1.80	1.30	0.42	0.74	0.67	0.57	1.70	0.53	0.58	0.59	1.00
<0.05	<0.05	<0.05	<0.05	0.30	<0.05	<0.05	<0.05	<0.05	0.14	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
184.00	263.00	290.00	344.00	222.00	527.17	629	816.00	114.00	660.00	707.00	848.00	994.00	922.00	985.00	334.00	649.00	357.00	372.00	570.00	601.00
843.00	1100.00	11000.00	367.00	386.00	2963.19	7301	3280.00	5.40	1410.00	1170.00	2100.00	1680.00	2420.00	2892.00	102.00	1500.00	68.30	320.00	579.00	925.00
<0.9	<0.9	<0.9	0.96	1.70	1.51	1.7	1.10	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9
1.40	<1.0	<1.0	<1.0	<1.0	4.65	16.6	4.60	<1.0	1.20	<1.0	<1.0	2.70	1.70	1.60	<1.0	<1.0	3.30	<1.0	1.40	2.20
25.20	5.40	<0.8	<0.8	<0.8	<0.8	36.3	2.10	1.40	<0.8	<0.8	<0.8	1.30	2.70	0.90	<0.8	20.30	<0.8	1.70	1.30	1.30
350.00	584.00	8185.00	681.00	2300.00	1256.56	686	116.00	12.90	697.00	201.00	51.10	6390.00	666.00	1044.00	88.10	348.00	2110.00	272.00	1270.00	89.40
<4.1	<4.1	<4.1	9.20	<4.1	<4.1	<4.1	4.90	<4.1	<4.1	<4.1	5.70	6.30	11.70	<4.1	<4.1	22.40	<4.1	10.60	<4.1	<4.1
65.00	1200.00	1200.00	992.00	377.00	1024.97	998	993.00	13.30	1920.00	1400.00	1400.00	1700.00	1320.00	1413.00	207.00	1160.00	523.00	658.00	898.00	1080.00
1.90	26.60	<1.5	<1.5	<1.5	<1.5	3.8	2.90	2.00	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	9.30	<1.5	<1.5	<1.5	<1.5
47.00	4.70	5.60	<1.1	6.80	22.82	140	<1.1	<1.1	1.50	<1.1	<1.1	<1.1	5.00	4.00	4.70	14.80	2.70	<1.1	1.60	8.50
2.90	11.30	60.80	5.30	9.20	39.30	97.7	41.00	5.40	18.90	17.40	31.30	21.30	29.50	<0.2	4.20	25.50	4.00	4.20	11.10	13.60
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.50	<0.50	<0.50	<0.1	<0.1	<0.1	<0.1	<0.1	<0.10	<0.1
6.80	7.40	7.10	6.70	7.70	6.96	7.1	7.10	7.10	7.00	7.10	7.00	7.20	7.40	7.80	7.20	7.10	7.00	7.20	7.00	7.00
10.60	24.90	258.00	15.50	22.80	89.42	166	162.00	6.90	74.70	62.40	112.00	101.00	125.00	103.00	21.00	65.00	28.30	35.20	42.00	52.00
7.00	217.00	189.00	93.90	58.70	55.20	55.2	208.00	57.20	60.70	70.60	32.90	35.60	61.70	58.40	41.80	41.60	30.20	61.30	40.80	42.70
16.40	1.82	7.20	4.40	2.70	11.64	27	3.10	4.10	3.90	1.60	0.80	<0.4	33.10	28.00	4.80	4.30	5.00	0.60	3.30	<0.4
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
<0.2	<0.2	0.37	0.09	<0.20	0.84	0.33	<0.2	<0.2	<0.2	<0.2	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
<0.10	<0.10	<0.05	<0.05	<0.10	<0.5	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.10	<0.10
<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	0.97	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10
<0.10	1.30	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.10	<0.10
<0.10	<0.10	<0.05	<0.05	<0.10	0.34	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10
<0.10	<0.10	<0.05	<0.05	<0.10	0.50	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10
<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10
<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10
<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10
<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10
<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10
<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10
<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10
<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10
<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10

Ferry Road Landfill

Leachate Screening

Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Feb-23	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22
OW02	OW02	OW02	OW02	OW02	OW02	OW02	OW02	OW03	OW03	OW03	OW03	OW03	OW03	OW03	OW03	OW03	OW03	OW03	OW03	OW03
44.40	22.50	61.70	67.10	78.70	0.62	16.40	12.50	4.48	3.85	126.00	175.70	183.40	164.00	158.00	0.90	46.70	0.63	0.79	9.20	46.40
0.35	2.20	0.31	1.00	1.20	3.40	2.40	3.60	<0.3	<0.3	<0.3	0.44	0.66	1.30	<0.3	1.60	0.71	1.60	1.30	<0.3	5.10
<0.003	0.06	<0.003	0.03	0.53	<0.003	<0.003	0.04	<0.003	<0.003	0.04	<0.003	0.49	0.48	<0.003	0.01	0.02	0.00	<0.003	<0.003	0.05
0.84	0.82	0.97	1.70	1.40	0.53	<0.20	0.47	0.38	0.89	2.10	0.96	0.86	0.83	0.88	0.40	0.50	0.28	0.32	0.45	0.87
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
914.00	767.00	1850.00	1100.00	1500.00	236.00	570.00	712.00	290.00	179.00	774.00	700.00	784.00	448.00	494.00	117.00	292.00	191.00	152.00	355.00	421.00
1940.00	1620.00	4600.00	5000.00	4800.00	93.50	1400.00	1200.00	75.80	<6.5	4400.00	5800.00	7550.00	5930.00	6882.00	90.50	2000.00	84.60	84.70	265.00	818.00
1.50	1.20	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9
2.50	6.70	3.60	4.60	5.10	<1.0	1.60	2.70	<1.0	<1.0	3.20	4.40	4.90	5.10	3.10	<1.0	<1.0	2.80	2.30	2.40	3.50
3.40	3.50	1.90	1.40	3.60	2.60	<0.8	2.90	1.40	3.60	<0.8	4.10	1.90	<0.8	<0.8	<0.8	3.00	<0.8	2.20	1.20	2.10
268.00	4260.00	716.00	379.00	620.00	36.10	202.00	107.00	151.00	200.00	474.00	303.00	1540.00	157.00	425.00	136.00	2300.00	850.00	155.00	779.00	137.00
<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	6.90	<4.1	<4.1	<4.1	<4.1	9.90	18.20	7.60	<4.1	7.80	16.00	<4.1	5.80	<4.1	<4.1
1110.00	1350.00	1440.00	191.00	1080.00	66.30	1200.00	497.00	64.20	264.00	1160.00	1100.00	1330.00	1040.00	1071.00	84.40	668.00	619.00	348.00	724.00	110.00
<1.5	<1.5	3.30	4.20	5.50	<1.5	<1.5	<1.5	2.00	<1.5	2.90	3.20	3.80	<1.5	2.60	<1.5	7.40	<1.5	<1.5	<1.5	<1.5
6.30	1.90	<1.1	<1.1	22.30	6.40	<1.1	8.70	<1.1	4.10	<1.1	1.20	<1.1	2.70	2.30	3.00	11.70	12.90	13.20	<1.1	31.10
26.00	18.50	41.00	41.30	46.80	5.00	14.20	13.20	5.20	7.10	73.00	123.00	109.00	99.30	<0.2	3.90	35.20	4.30	59.30	11.80	22.40
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.50	<0.50	<0.50	<0.1	<0.1	<0.1	<0.1	<0.1	<0.10	<0.1
7.00	7.20	7.00	7.00	7.10	7.00	6.90	7.30	7.20	7.10	7.40	7.40	7.60	7.70	8.00	7.40	7.30	7.10	7.30	7.30	7.50
117.00	18.30	171.00	166.00	267.00	26.50	42.60	42.10	15.00	20.30	310.00	461.00	497.00	481.00	413.00	21.60	115.00	24.40	20.20	31.80	66.50
34.70	25.30	36.90	29.90	145.00	30.40	270.00	98.40	88.40	30.60	30.60	68.50	60.80	40.00	41.10	29.80	35.40	125.00	30.60	38.50	48.90
2.50	25300.00	39.20	41.40	10.60	39.00	18.50	17.10	1.10	4.50	3.30	4.50	1.80	16.20	14.60	4.20	8.40	4.90	<0.2	1.50	<0.4
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	3.50	8.20	14.50	24.00	<0.1	<0.1	3.30	<0.1	<0.1	<0.1	<0.1
0.30	0.50	<0.2	<0.2	<0.2	0.30	<0.2	<0.2	<0.2	<0.2	<0.2	0.30	<0.2	0.30	0.20	0.60	0.40	0.60	<0.2	<0.2	<0.2
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	1.40	<0.05	<0.05	<0.05	<0.05	1.10	<0.10	<0.10
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	1.00	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10
<0.10	2.30	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10
<0.10	1.30	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.16	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.40	<0.10	<0.10
<0.10	0.40	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10
<0.10	0.60	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10
<0.10	0.46	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	2.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10

Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	Jul-23	Oct-23	Jan-24	Apr-24	Jul-24	May-21	Jun-21	Jul-21	Aug-21	Sep-21
OW05	OW05	OW05	OW05	OW05	OW05	OW05	OW05	OW05	OW05	OW05	OW05	OW05	OW05	OW05	OW05	OW06	OW06	OW06	OW06	OW06
145.00	201.00	132.00	205.00	147.00	332.00	152.00	90.50	253.00	126.00	30.80	90.40	64.50	71.80	38.52	97	68.88	59.01	65.03	138.60	179.90
0.84	12.70	0.31	2.00	1.20	9.90	2.40	0.35	3.40	7.70	1.10	0.79	0.88	6.90	<0.3	<0.3	<0.3	2.20	<0.3	<0.3	0.93
<0.003	0.36	0.30	0.37	0.53	0.46	0.05	0.06	1.50	0.33	0.02	0.12	<0.003	<0.003	<0.001	<0.003	<0.003	<0.003	<0.003	0.41	0.05
2.10	1.80	1.30	3.00	2.40	1.70	<0.20	1.60	1.70	1.80	0.66	1.50	9.20	1.80	2.60	1.2	0.93	1.40	2.10	1.90	1.80
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
576.00	728.00	900.00	657.00	974.00	899.00	728.00	575.00	1100.00	758.00	302.00	428.00	1100.00	436.00	306.09	546	421.00	440.00	469.00	552.00	561.00
2590.00	3370.00	4000.00	4550.00	3700.00	5200.00	5500.00	3700.00	5900.00	5000.00	870.00	1900.00	1600.00	2000.00	848.90	2565	1820.00	1150.00	1400.00	3100.00	4690.00
<0.9	1.30	<0.9	<0.9	<0.9	<0.9	<0.9	1.10	<0.9	1.30	1.40	<0.9	1.70	3.40	2.08	1.5	<0.9	<0.9	<0.9	<0.9	<0.9
4.70	5.10	4.90	5.50	6.30	4.90	5.40	5.50	5.60	3.00	<1.0	<1.0	<1.0	<1.0	3.39	13.1	4.40	2.90	2.20	3.00	4.90
36.90	10.90	64.30	5.20	9.10	22.20	8.10	6.30	15.60	12.20	4.80	23.80	128.00	<0.8	<0.8	<0.8	2.30	6.10	<0.8	1.00	2.10
276.00	2150.00	313.00	510.00	3800.00	77.10	231.00	912.00	165.00	1900.00	275.00	743.00	40200.00	3600.00	4485.60	3264	215.00	190.00	154.00	339.00	973.00
<4.1	<4.1	7.90	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	4.50	<4.1	28.60	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	15.00
1090.00	1120.00	1400.00	117.00	878.00	432.00	247.00	617.00	838.00	784.00	1900.00	1500.00	1100.00	850.00	1305.29	1860	986.00	2300.00	1300.00	779.00	790.00
85.40	15.70	33.70	9.40	18.50	11.80	2.60	6.70	3.90	10.30	56.90	3.80	21.60	<1.5	<1.5	<1.5	4.20	2.40	2.90	3.40	7.40
79.10	52.10	65.70	8.70	117.00	105.00	34.80	29.20	75.10	108.00	9.90	15.20	111.00	24.70	<1.1	26.2	<1.1	4.40	<1.1	<1.1	3.10
76.40	78.00	82.50	94.10	55.90	89.50	89.60	62.20	78.30	66.10	24.00	47.20	49.60	39.20	22.98	52.9	68.20	50.60	60.50	104.00	105.00
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.50	<0.50
7.10	7.30	7.10	7.10	7.10	7.30	7.10	7.10	7.30	7.20	7.30	6.90	6.80	7.10	6.77	7	7.40	7.10	7.40	7.50	7.70
1780.00	2070.00	2030.00	3500.00	3600.00	3900.00	4300.00	2200.00	4000.00	2000.00	182.00	442.00	852.00	1812.00	8.76	91.1	210.00	107.00	154.00	318.00	426.00
60.80	44.40	30.70	36.70	321.00	36.20	606.00	277.00	117.00	16.20	341.00	226.00	406.00	94.40	49.60	60.4	232.00	186.00	75.40	27.60	25.40
5.20	378.00	3.10	7.10	10.20	15.60	4.30	12.20	5.30	6.20	<0.4	25.00	2.80	<1.20	10.93	151	2.80	4.80	2.70	5.40	10.30
34.30	40.20	<0.1	<0.1	12.90	10.60	<0.1	<0.1	<0.1	<0.1	<0.1	2.20	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	7.40	<0.1	<0.1
0.60	0.20	0.60	<0.2	0.90	1.20	<0.2	<0.2	<0.2	<0.2	<0.2	0.26	0.08	0.57	0.92	<0.2	0.30	0.20	<0.2	0.20	0.20
<0.10	1.40	<0.10	1.60	0.84	2.00	0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.5	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
5.00	5.50	2.70	5.90	4.30	6.80	<0.10	1.20	<0.10	2.70	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
2.40	2.90	0.80	3.50	2.50	4.30	<0.10	3.00	<0.10	<0.10	1.50	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	1.60	<0.05	<0.05	<0.05
0.70	1.60	<0.10	2.10	1.10	3.80	<0.10	3.90	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	0.30	1.3	<0.05	1.20	<0.05	<0.05	<0.05
0.70	0.56	<0.10	0.35	0.13	2.00	<0.10	3.80	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	0.62	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
1.20	0.75	<0.10	0.48	<0.10	<0.10	<0.10	0.90	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
0.90	0.50	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05

Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21
OW06	OW06	OW06	OW06	OW06	OW06	OW06	OW06	OW06	OW06	OW06	OW06	OW06	OW06	OW06	OW07	OW07	OW07	OW07	OW07	OW07
223.00	190.00	209.00	94.70	92.00	317.00	286.00	363.00	323.00	279.00	250.00	419.00	198.00	143.00	192.00	0.12	0.36	140.70	138.60	151.20	311.00
<0.3	<0.3	124.00	<0.3	108.00	0.62	<0.3	0.57	1.30	0.84	1.90	8.20	0.57	0.49	0.40	6.10	7.70	35.90	305.00	341.00	17.10
0.38	0.16	30.40	<0.003	10.00	0.07	0.76	0.71	0.36	0.18	0.63	0.34	<0.003	<0.003	<0.003	<0.003	<0.003	3.00	0.64	0.62	0.34
0.79	2.70	1.80	1.80	1.40	2.30	3.10	2.60	1.80	3.80	2.90	2.40	0.20	1.10	1.30	0.56	0.59	1.50	1.60	1.60	0.70
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.09	<0.05	<0.05	<0.05	<0.05
527.00	464.00	279.00	900.00	601.00	438.00	385.00	470.00	552.00	316.00	490.00	491.00	361.00	279.00	498.00	42.50	58.20	504.00	418.00	439.00	386.00
5040.00	5637.00	2940.00	2500.00	2850.00	5740.00	4450.00	6080.00	7200.00	7350.00	6000.00	7600.00	5700.00	3900.00	5500.00	41.00	<6.5	2600.00	2700.00	4010.00	5140.00
<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	1.20	1.20	<0.9	0.90	<0.9	<0.9	<0.9	0.90	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9
8.00	4.50	5.20	3.80	4.30	6.50	6.50	5.30	5.90	7.00	8.40	6.40	4.40	5.40	6.10	3.50	5.60	3.60	4.60	7.20	7.10
<0.8	<0.8	1.30	14.40	9.80	2.40	26.40	8.40	34.40	28.30	3.10	16.00	12.20	5.50	3.10	1.90	2.50	<0.8	3.50	5.50	1.10
5430.00	1201.00	90.20	11800.00	106.00	260.00	229.00	1860.00	321.00	570.00	407.00	495.00	514.00	1100.00	839.00	8.20	167.00	300.00	48.20	147.00	86.30
7.80	<4.1	<4.1	27.30	<4.1	<4.1	<4.1	<4.1	7.60	<4.1	<4.1	<4.1	8.80	<4.1	<4.1	5.10	<4.1	4.90	8.80	6.10	4.80
549.00	562.00	154.00	1300.00	860.00	600.00	369.00	366.00	457.00	54.00	357.00	103.00	166.00	208.00	445.00	2.80	6.70	1100.00	626.00	677.00	470.00
3.50	5.20	1.50	7.20	5.10	6.70	33.30	11.70	39.40	21.20	10.40	8.70	7.50	7.00	2.50	1.50	<1.5	7.10	8.40	9.90	6.80
<1.1	<1.1	<1.1	4.70	45.20	7.50	152.00	20.20	187.00	37.70	7.30	34.30	1.60	23.80	24.40	438.00	337.00	22.20	22.60	23.50	22.90
124.00	<0.2	91.80	87.50	94.50	112.00	130.00	120.00	135.00	129.00	136.00	134.00	103.00	75.60	81.70	7.30	9.00	104.00	132.00	130.00	155.00
<0.50	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.50	<0.50	<0.50
7.60	8.10	7.60	7.30	7.30	7.20	7.10	7.30	7.30	7.20	7.20	7.20	7.00	7.20	7.20	7.80	7.80	7.80	7.40	7.70	7.70
589.00	541.00	5.20	198.00	251.00	483.00	995.00	1210.00	1260.00	1050.00	867.00	2700.00	1050.00	398.00	922.00	6.60	8.70	165.00	195.00	230.00	360.00
51.60	52.70	342.00	189.00	76.70	33.30	24.70	45.60	32.80	38.40	379.00	34.10	530.00	250.00	189.00	9.20	34.50	28.70	36.60	38.40	42.90
13.10	9.50	79.10	6.20	13.40	0.50	5.70	771.00	5.10	9.10	6.40	9.90	28.60	10.20	4.00	5.40	9.50	219.00	338.00	201.00	153.00
28.80	<0.1	2.20	4.60	5.40	<0.1	97.90	73.20	<0.1	<0.1	14.50	12.10	<0.1	<0.1	<0.1	<0.1	<0.1	9.80	<0.1	6.70	7.30
0.50	<0.2	<0.2	<0.2	<0.2	0.20	0.70	2.70	1.10	<0.2	0.70	1.80	<0.2	<0.2	<0.2	<0.2	0.20	<0.2	0.60	<0.2	0.30
2.30	<0.05	<0.05	<0.05	1.70	<0.10	<0.10	<0.10	<0.10	0.90	0.41	3.30	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
0.70	<0.05	<0.05	2.00	<0.05	5.40	6.10	5.00	<0.10	5.20	5.50	4.60	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
0.71	<0.05	<0.05	2.30	<0.05	2.30	4.20	2.60	<0.10	3.50	2.50	2.80	1.40	3.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
0.19	<0.05	<0.05	<0.05	<0.05	1.80	3.00	1.20	<0.10	2.70	0.21	3.10	<0.10	3.60	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	0.80	0.37	<0.10	0.33	0.43	1.30	<0.10	3.50	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	1.00	1.30	0.67	<0.10	0.35	<0.10	<0.10	<0.10	0.90	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	0.60	1.00	0.49	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.05	2.60	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22
OW08	OW08	OW08	OW08	OW08	OW08	OW09	OW09	OW09	OW09	OW09	OW09	OW09	OW09	OW09	OW09	OW09	OW09	OW09	OW09	OW09
358.00	340.00	477.00	295.00	290.00	249.00	0.07	188.30	158.20	211.40	236.60	227.00	180.00	228.00	204.00	185.00	300.00	1350.00	325.00	441.00	316.00
<0.3	5.80	6.50	1.20	<0.3	1.70	5.10	<0.3	<0.3	0.88	<0.3	0.31	52.70	1.10	11.90	6.20	<0.3	0.75	0.53	0.84	1.50
<0.003	0.05	0.73	<0.003	0.04	0.11	0.14	<0.003	0.63	<0.003	0.27	0.40	76.70	1.20	2.50	121.00	0.04	0.23	<0.003	0.40	<0.003
2.80	2.90	2.00	0.31	2.70	1.60	0.34	2.50	3.90	3.60	2.70	1.10	2.50	2.60	2.30	1.90	<0.20	2.10	2.60	3.20	2.40
0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
443.00	470.00	443.00	330.00	430.00	470.00	41.90	564.00	653.00	468.00	510.00	438.00	454.00	313.00	394.00	341.00	415.00	476.00	310.00	419.00	522.00
10900.00	9300.00	10300.00	9200.00	8500.00	7900.00	<6.5	6820.00	5300.00	4800.00	5090.00	6520.00	7502.00	6450.00	7400.00	7700.00	6240.00	8610.00	6270.00	8790.00	12200.00
1.20	<0.9	<0.9	<0.9	1.90	<0.9	<0.9	1.00	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	1.60	1.00	<0.9
7.50	8.10	7.40	7.90	11.90	5.90	3.00	5.40	4.70	3.90	6.40	5.80	4.10	4.00	7.20	5.10	5.20	9.00	7.40	6.40	7.40
17.80	39.30	29.00	<0.8	4.20	1.10	1.30	6.20	<0.8	<0.8	1.20	<0.8	<0.8	<0.8	4.70	<0.8	8.80	40.90	4.70	15.50	141.00
533.00	530.00	392.00	480.00	4200.00	215.00	10.70	448.00	140.00	251.00	1180.00	99.60	137.00	400.00	531.00	128.00	438.00	303.00	299.00	1330.00	345.00
<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	4.50	4.40	<4.1	25.10	8.90	<4.1	<4.1	22.70	<4.1	<4.1	<4.1	<4.1	<4.1	10.60
94.40	292.00	111.00	93.40	178.00	1000.00	2.50	972.00	669.00	551.00	585.00	515.00	539.00	459.00	457.00	458.00	643.00	774.00	773.00	790.00	1030.00
15.60	25.20	8.00	5.90	33.90	6.00	2.80	8.30	6.30	<1.5	7.70	13.80	12.70	15.00	19.90	19.80	4.20	10.20	5.90	25.10	38.90
11.40	56.50	21.90	<1.1	3.60	31.70	516.00	12.50	<1.1	<1.1	<1.1	12.50	19.20	34.80	107.00	74.80	1.70	31.00	12.70	24.20	104.00
169.00	150.00	168.00	158.00	158.00	23.60	7.00	131.00	121.00	146.00	136.00	146.00	<0.2	161.00	158.00	164.00	189.00	154.00	129.00	137.00	169.00
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.50	<0.50	<0.50	<0.1	<0.1	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1
7.20	7.30	7.20	7.10	7.20	7.40	7.90	7.50	7.50	7.50	7.80	7.90	8.00	7.40	7.60	7.30	7.50	7.60	7.30	7.40	7.40
940.00	1100.00	1200.00	819.00	733.00	320.00	14.70	208.00	207.00	224.00	232.00	238.00	188.00	234.00	234.00	232.00	340.00	273.00	353.00	450.00	428.00
30.60	437.00	32.30	609.00	365.00	10.90	10.80	12.40	75.70	51.20	47.80	74.60	60.70	176.00	176.00	18.90	34.50	28.10	45.70	41.10	50.40
10.50	8.30	13.70	72.80	70.30	6.30	5.00	9.40	6.30	17.40	18.10	165.00	136.00	156.00	179.00	251.00	12.50	3.00	4.80	849.00	8.00
<0.1	<0.1	12.70	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	3.50	7.10	<0.1	<0.1	13.90	11.40	<0.1
0.30	0.60	1.00	0.30	0.30	<0.2	<0.2	0.40	<0.2	0.30	0.30	0.40	0.40	<0.2	<0.2	<0.2	<0.2	0.30	1.90	1.70	1.10
1.00	0.72	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	0.70	<0.05	<0.05	<0.05	<0.05	<0.05	<0.50	<0.10	<0.10	<0.10	0.51	<0.10
6.10	5.90	9.70	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	1.20	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	2.50	2.30	<0.10
3.60	3.40	6.10	3.00	2.00	<0.10	<0.05	<0.05	<0.05	0.90	<0.05	<0.05	<0.05	<0.05	<0.05	<0.50	<0.10	<0.10	<0.10	0.82	<0.10
2.90	1.70	7.10	1.40	3.60	<0.10	0.27	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	0.53	<0.10
0.34	0.61	2.20	1.40	3.50	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	0.16	<0.10
0.53	0.11	2.30	<0.10	<0.10	<0.10	0.64	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10
<0.10	<0.10	1.70	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10

Leachate Screening

Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	Jul-23	Oct-23	Jan-24	Apr-24	Jul-24	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22
OW09	OW09	OW09	OW09	OW09	OW09	OW09	OW09	OW09	OW09	OW09	OW09	OW09	OW10	OW10	OW10	OW10	OW10	OW10	OW10	OW10
314.00	282.00	449.00	277.00	269.00	204.00	565.00	<0.01	394.00	285.00	304.00	94.79	224	87.40	595.00	380.00	517.00	371.00	0.51	0.63	0.75
<0.3	6.00	1.90	0.53	1.50	0.79	2.00	<0.3	0.62	0.62	1.30	0.44	<0.3	14.10	0.93	0.57	5.10	<0.3	<0.3	1.50	7.90
1.90	0.38	0.18	<0.003	0.17	<0.003	0.63	0.03	<0.003	<0.003	0.03	0.04	<0.003	0.37	<0.003	0.01	0.24	1.40	0.71	0.06	1.10
4.20	3.80	2.00	0.44	2.80	1.40	2.10	2.10	4.70	1.50	3.00	3.30	4.5	3.60	3.40	3.30	3.00	2.30	3.50	3.40	2.50
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
245.00	413.00	366.00	264.00	339.00	364.00	414.00	354.00	339.00	252.00	241.00	346.68	324	210.00	395.00	330.00	434.00	483.00	298.00	400.00	360.00
11000.00	9300.00	11300.00	11600.00	9500.00	8100.00	9200.00	7000.00	11000.00	12600.00	4900.00	911.04	3655	4380.00	9270.00	6400.00	9630.00	11800.00	14600.00	11600.00	14300.00
1.30	<0.9	<0.9	<0.9	1.60	<0.9	1.20	1.40	<0.9	1.40	2.00	2.19	<0.9	<0.9	<0.9	1.50	1.30	1.00	1.50	<0.9	<0.9
7.10	7.90	7.70	7.40	7.90	6.10	4.10	<1.0	<1.0	<1.0	1.40	5.26	17.5	4.00	7.80	7.40	7.00	7.30	8.40	9.80	8.00
18.60	48.30	38.60	2.10	2.80	1.00	<0.8	1.60	36.60	<0.8	56.60	<0.8	<0.8	20.50	3.60	7.50	7.00	18.00	10.40	9.90	16.90
273.00	407.00	773.00	205.00	527.00	778.00	1900.00	266.00	372.00	247.00	593.00	21435.82	537	202.00	770.00	448.00	1630.00	453.00	406.00	781.00	1700.00
<4.1	<4.1	<4.1	4.50	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	7.70	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1
142.00	677.00	221.00	225.00	302.00	647.00	658.00	703.00	646.00	331.00	326.00	1536.41	1094	327.00	423.00	372.00	403.00	482.00	42.80	273.00	93.50
16.30	43.20	18.50	5.70	5.40	<1.5	<1.5	17.80	15.10	12.40	3.80	6.39	23	23.30	10.60	25.70	10.30	11.60	16.50	15.50	9.20
11.90	127.00	45.70	<1.1	6.50	7.80	7.00	2.40	20.30	<1.1	40.10	6.46	8.9	65.70	8.80	18.80	13.00	19.20	<1.1	29.30	2.30
139.00	183.00	155.00	145.00	141.00	89.20	93.50	133.00	172.00	1200.00	90.00	38.36	114	138.00	175.00	136.00	170.00	176.00	180.00	159.00	202.00
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.10	<0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
7.10	7.30	7.20	7.10	7.20	7.10	7.20	7.50	7.10	7.00	7.10	6.91	7.1	7.70	7.50	7.20	7.40	7.40	7.30	7.30	7.30
288.00	628.00	618.00	397.00	383.00	264.00	351.00	308.00	344.00	402.00	421.00	71.90	170	257.00	343.00	337.00	432.00	408.00	492.00	643.00	616.00
32.40	440.00	35.90	806.00	407.00	117.00	416.00	405.00	287.00	522.00	787.00	30.50	103	26.40	39.50	40.60	41.20	45.20	33.30	437.00	34.50
8.60	6.40	12.20	25.80	11.00	5.50	7.90	11.20	8.30	82.50	2.50	13.30	12.1	317.00	5.30	5.70	1040.00	7.80	11.00	8.20	13.80
<0.1	30.40	9.60	<0.1	<0.1	3.70	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	18.90	19.30	<0.1	<0.1	<0.1	6.10
0.40	0.90	1.00	0.30	0.30	<0.2	<0.2	<0.2	<0.2	0.08	0.60	0.82	<0.2	<0.2	0.90	0.50	0.90	1.20	<0.2	0.30	0.30
0.73	0.45	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.5	<0.10	<0.10	<0.10	<0.10	0.63	<0.10	0.75	0.40	<0.10
4.20	4.00	4.90	<0.10	<0.10	<0.10	0.86	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	3.30	4.80	3.50	<0.10	5.00	3.90	5.30
2.90	2.30	3.40	<0.10	1.50	<0.10	<0.10	3.60	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	1.50	2.40	1.50	<0.10	2.80	1.90	3.20
2.40	0.44	3.70	<0.10	<0.10	<0.10	<0.10	7.50	<0.05	<0.05	<0.10	0.31	<0.10	<0.10	<0.10	0.80	0.56	<0.10	1.50	0.41	3.30
0.17	0.16	1.70	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	0.51	<0.10	<0.10	<0.10	0.70	0.30	<0.10	0.40	0.24	1.50
0.27	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	10.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	0.80	1.20	0.55	<0.10	0.69	<0.10	<0.10
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	0.90	<0.10	<0.10	<0.10	<0.10	<0.10
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	3.30	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.26	<0.10	<0.10
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.35	<0.10	<0.10
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.98	<0.10	<0.10
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.51	<0.10	<0.10
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10

Leachate Screening

Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	Jul-23	Oct-23	Jan-24	May-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21
OW13	OW13	OW13	OW13	OW13	OW13	OW13	OW13	OW13	OW13	OW13	OW13	OW13	OW13	OW14	OW14	OW14	OW14	OW14	OW14	OW14
317.00	413.00	257.00	270.00	274.00	337.00	432.00	231.00	317.00	629.00	<0.01	297.00	182.00	513.00	0.91	0.84	0.77	308.70	0.60	371.70	405.00
0.66	0.62	0.75	5.90	9.70	4.00	<0.3	<0.3	2.10	0.35	<0.3	0.79	1.30	1.70	<0.3	<0.3	1.50	<0.3	<0.3	1.50	<0.3
<0.003	0.44	0.68	0.10	0.90	<0.003	<0.003	0.35	0.17	0.17	0.08	<0.003	<0.003	0.07	0.97	0.28	<0.003	0.82	<0.003	0.72	1.42
3.20	3.00	1.90	5.00	5.90	2.90	0.96	3.10	1.90	2.80	1.30	3.10	0.98	1.70	3.90	4.30	6.90	7.50	6.30	6.50	<0.20
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
436.00	495.00	520.00	320.00	454.00	421.00	447.00	394.00	508.00	459.00	304.00	342.00	301.00	311.00	361.00	267.00	383.00	487.00	445.00	509.00	347.00
14800.00	13800.00	15000.00	9800.00	8300.00	11100.00	13300.00	10100.00	10900.00	8900.00	8000.00	7600.00	4900.00	5300.00	3840.00	3400.00	7540.00	6500.00	6600.00	7490.00	7230.00
1.30	1.00	0.90	1.10	<0.9	<0.9	1.10	1.20	<0.9	1.40	1.00	<0.9	1.30	2.50	<0.9	<0.9	0.90	<0.9	1.00	<0.9	<0.9
77.00	5.80	7.20	6.80	8.40	5.90	8.60	6.90	4.90	5.20	<1.0	<1.0	<1.0	2.50	7.90	4.80	6.60	5.60	6.70	8.70	9.50
5.00	4.80	8.70	13.70	6.20	10.00	22.70	8.50	1.40	3.20	2.50	22.60	1.30	9.00	<0.8	<0.8	<0.8	<0.8	<0.8	3.20	<0.8
205.00	1700.00	341.00	304.00	589.00	117.00	163.00	381.00	444.00	1800.00	305.00	822.00	80.80	600.00	186.00	268.00	549.00	519.00	649.00	1270.00	983.00
<4.1	<4.1	9.80	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	6.20	<4.1	6.60	<4.1	<4.1	<4.1	6.40	15.90	13.90
412.00	421.00	487.00	64.80	320.00	191.00	98.00	203.00	449.00	413.00	299.00	483.00	259.00	338.00	324.00	274.00	685.00	459.00	543.00	618.00	551.00
10.00	4.60	8.40	11.70	8.80	3.70	15.80	3.20	1.70	<1.5	1.80	5.00	<1.5	3.90	7.20	6.30	7.80	6.40	7.50	9.60	8.00
3.00	1.80	<1.1	<1.1	4.40	1.80	24.20	2.30	11.70	47.60	<1.5	36.30	14.20	24.20	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
155.00	141.00	151.00	137.00	144.00	151.00	209.00	134.00	98.30	96.50	92.80	132.00	83.70	75.60	147.00	159.00	200.00	152.00	228.00	192.00	197.00
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.50	<0.50	<0.50
7.30	7.30	7.50	7.10	7.10	7.00	7.50	7.00	7.10	7.10	7.50	7.30	7.00	7.10	7.40	7.40	7.30	7.40	7.30	7.70	7.60
273.00	293.00	292.00	383.00	380.00	398.00	1100.00	258.00	294.00	231.00	171.00	254.00	221.00	226.00	450.00	4.40	426.00	401.00	422.00	410.00	415.00
32.80	48.70	29.90	41.70	290.00	40.30	790.00	550.00	187.00	324.00	518.00	208.00	392.00	415.00	492.00	259.00	251.00	25.60	25.40	30.60	111.00
7.00	1030.00	6.80	9.50	7.00	12.10	14.60	9.70	4.50	11.50	6.10	5.60	4.70	7.90	4.80	7.10	11.00	6.60	8.50	3.90	11.60
32.90	51.70	<0.1	33.50	<0.1	18.00	<0.1	6.80	5.50	<0.1	5.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	20.10	14.60
0.50	1.40	1.10	0.20	0.20	0.90	0.30	<0.2	<0.2	<0.2	<0.2	0.65	0.08	0.35	<0.2	0.20	0.60	<0.2	0.30	0.40	0.30
<0.10	0.75	<0.10	0.89	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	2.50	<0.05	<0.05	<0.10	2.70	<0.05	2.00	2.00	1.00	1.70	0.38
6.40	5.90	<0.10	10.60	5.40	13.70	1.00	1.60	<0.10	<0.10	1.40	<0.05	<0.05	<0.10	4.80	<0.05	<0.05	<0.05	5.30	5.80	2.50
3.70	3.10	<0.10	6.60	2.00	10.30	1.50	3.40	<0.10	<0.10	5.30	<0.05	<0.05	<0.10	<0.05	<0.05	4.40	<0.05	3.10	3.60	1.40
1.90	1.40	<0.10	4.10	<0.10	8.70	<0.10	3.60	<0.10	<0.10	7.60	<0.05	<0.05	<0.10	1.70	0.27	2.30	<0.05	2.30	0.85	0.20
0.90	0.56	<0.10	0.72	<0.10	3.00	<0.10	3.50	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	0.62	<0.05	<0.05	<0.05	0.60	0.17	<0.05
1.40	0.89	<0.10	0.90	0.77	2.70	<0.10	2.70	<0.10	<0.10	10.20	<0.05	<0.05	<0.10	1.00	0.62	<0.05	<0.05	0.90	1.20	0.48
1.00	0.71	<0.10	<0.10	0.22	<0.10	<0.10	2.50	<0.10	2.70	3.60	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	3.20	<0.05	1.20	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	3.30	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	0.14	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	1.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Apr-24	Jul-24	Apr-22	May-22	Jun-22	Jul-22	Aug-22
OW14	OW14	OW14	OW14	OW14	OW14	OW14	OW14	OW14	OW14	OW14	OW14	OW14	OW14	OW14	OW14	OW15	OW15	OW15	OW15	OW15
376.00	265.00	321.00	313.00	365.00	351.00	648.00	0.90	569.00	0.90	1.30	0.59	233.00	282.00	314.60	359	249.00	352.00	281.00	413.00	254.00
<0.3	404.00	<0.3	236.00	<0.3	<0.3	<0.3	0.79	1.20	0.40	<0.3	0.97	4.50	1.30	<0.3	<0.3	<0.3	0.40	0.62	0.53	0.62
0.91	1.20	0.32	2.60	0.02	0.56	0.99	0.15	<0.003	0.13	0.58	0.18	<0.003	<0.003	0.07	<0.003	1.10	<0.003	0.03	0.11	0.45
4.70	2.20	4.10	0.52	0.29	<0.20	4.20	5.90	7.00	4.40	5.10	5.20	1.90	0.81	6.10	2	0.23	1.80	1.70	2.00	1.40
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
307.00	351.00	500.00	394.00	417.00	482.00	473.00	370.00	439.00	481.00	330.00	459.00	234.00	365.00	485.16	596	763.00	635.00	518.00	793.00	930.00
8163.00	6060.00	7100.00	7100.00	6080.00	5980.00	9670.00	5360.00	7000.00	8400.00	11900.00	9600.00	5200.00	12500.00	5348.41	7227	4490.00	4650.00	3590.00	4900.00	6100.00
<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	1.40	1.30	<0.9	1.20	<0.9	<0.9	<0.9	2.11	1.3	<0.9	<0.9	1.50	1.40	<0.9
6.70	9.10	11.10	9.70	7.70	6.60	9.40	9.90	8.30	10.00	9.60	10.00	8.20	6.70	14.75	21.4	5.10	7.20	7.50	7.10	8.60
2.90	0.90	<0.8	<0.8	1.10	<0.8	13.30	8.50	3.50	3.60	13.30	6.00	2.80	12.60	16.79	<0.8	8.70	6.30	4.80	7.50	19.80
358.00	227.00	912.00	1480.00	391.00	683.00	298.00	230.00	1350.00	412.00	483.00	558.00	336.00	150.00	2919.81	587	229.00	680.00	250.00	1600.00	233.00
<4.1	<4.1	30.10	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	6.50	<4.1	<4.1	9.30	<4.1	<4.1	<4.1	9.30	5.80	<4.1	<4.1	<4.1
344.00	401.00	538.00	438.00	467.00	511.00	375.00	316.00	511.00	645.00	61.10	262.00	145.00	110.00	383.40	512	649.00	696.00	596.00	674.00	826.00
7.70	9.20	9.30	10.60	5.30	3.20	22.80	14.80	5.50	11.40	18.40	18.60	3.80	4.40	<1.5	5.2	4.90	9.90	15.10	6.80	13.30
2.20	<1.1	<1.1	<1.1	7.20	1.90	37.90	112.00	<1.1	2.20	3.20	12.50	8.20	14.40	55.96	7.1	8.10	4.90	<1.1	92.10	92.40
<0.2	210.00	211.00	220.00	169.00	206.00	223.00	184.00	165.00	189.00	191.00	188.00	106.00	149.00	183.23	189	141.00	119.00	114.00	125.00	146.00
<0.1	<0.1	<0.1	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.10	<0.10	<0.1	<0.1	<0.1	<0.1
8.00	7.40	7.30	7.40	7.20	7.50	7.50	7.50	7.40	7.40	7.40	7.20	7.20	7.30	7.16	7.1	7.50	7.20	7.40	7.60	7.40
423.00	496.00	463.00	495.00	420.00	396.00	711.00	631.00	488.00	440.00	1200.00	801.00	326.00	354.00	405.71	444	306.00	321.00	329.00	361.00	342.00
123.00	431.00	185.00	59.70	52.70	20.40	89.00	33.90	49.00	31.80	42.30	379.00	39.80	946.00	32.40	152	33.10	90.70	48.50	56.70	30.00
7.30	7.70	7.90	8.30	6.90	8.90	3.80	6.90	1050.00	8.20	12.70	10.90	37.60	7.30	16.76	9	8.20	0.50	10.60	906.00	7.00
<0.1	<0.1	8.40	12.50	<0.1	<0.1	17.10	51.50	27.60	<0.1	14.30	17.20	7.30	<0.1	1.09	<0.1	<0.1	<0.1	<0.1	17.20	<0.1
0.40	<0.2	<0.2	<0.2	1.20	<0.2	0.20	1.00	<0.2	0.80	0.20	0.60	1.00	<0.2	6.87	0.92	<0.2	0.80	0.70	1.60	1.00
<0.05	<0.05	<0.05	<0.50	1.20	<0.10	<0.10	1.40	1.10	0.67	1.50	1.20	<0.10	<0.10	0.89	0.76	<0.10	<0.10	<0.10	0.95	<0.10
0.41	1.20	4.50	<0.05	4.90	<0.10	0.80	6.50	6.70	5.80	10.20	10.20	5.60	1.10	<0.05	<0.10	<0.10	1.10	1.90	2.60	<0.10
<0.05	<0.05	3.60	1.30	2.60	<0.10	<0.10	2.70	3.70	3.50	5.10	5.00	3.90	4.50	4.54	<0.10	<0.10	<0.10	0.80	0.97	<0.10
<0.05	<0.05	2.30	<0.05	0.80	<0.10	<0.10	1.10	2.10	0.32	1.60	2.00	2.10	1.30	0.69	2	<0.10	<0.10	<0.10	0.54	<0.10
<0.05	<0.05	2.30	<0.05	<0.05	<0.10	<0.10	0.70	0.57	0.15	0.52	0.36	1.60	1.30	0.75	<0.10	<0.10	<0.10	<0.10	0.22	<0.10
<0.05	0.13	<0.05	<0.05	<0.05	<0.10	0.80	1.20	0.89	0.30	0.45	0.78	<0.10	<0.10	<0.05	<0.10	<0.10	0.90	<0.10	<0.10	<0.10
<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	1.10	0.69	<0.10	<0.10	0.26	<0.10	<0.10	<0.05	<0.10	<0.10	0.60	<0.10	<0.10	<0.10
<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.12	<0.10	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10

[illegible]

Jul-23	Oct-23	Jan-24	Apr-24	Jul-24	Feb-22	Mar-22	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22
OW19	OW19	OW19	OW19	OW19	LW3	LW3	LW4	LW4	LW4	LW4	LW4	LW4	LW4	LW4	LW4	LW4	LW4	LW4	LW4	LW4
173.00	71.30	48.10	8.37	35.2	2.30	0.04	10.78	54.95	19.11	22.61	14.80	13.30	8.60	9.80	9.90	8.50	10.60	31.90	111.00	3550.00
0.49	1.10	1.10	0.51	<0.3	0.77	9.70	2.90	<0.3	5.20	0.75	<0.3	0.88	<0.3	<0.3	1.00	1.90	<0.3	1.10	0.44	4.80
<0.003	<0.003	0.34	<0.001	<0.003	0.12	<0.003	0.03	0.01	0.04	0.01	<0.003	0.14	<0.003	0.24	0.93	<0.003	0.01	<0.003	<0.003	0.04
3.50	0.44	0.73	3.60	3.3	0.40	0.30	0.49	0.56	0.53	0.26	0.32	0.58	<0.20	0.20	<0.20	0.24	0.23	0.89	1.20	1.20
<0.05	<0.05	< 0.05	<0.05	<0.05	<0.05	<0.05	0.13	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
243.00	325.00	238.00	234.34	382	416.00	332.00	307.00	413.00	449.00	620.00	373.00	390.00	220.00	307.00	254.00	230.00	327.00	418.00	900.00	965.00
3100.00	834.00	652.00	270.21	824	359.00	150.00	485.00	894.00	927.00	1190.00	800.00	1251.00	392.00	813.00	524.00	589.00	626.00	903.00	2400.00	3490.00
<0.9	1.50	1.60	<0.9	1.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	1.20	1.20
<1.0	<1.0	<1.0	2.02	6.7	<1.0	<1.0	3.40	2.90	1.40	7.80	3.50	2.90	<1.0	<1.0	1.80	1.30	3.10	4.70	4.60	6.40
<0.8	<0.8	<0.8	10.29	<0.8	<0.8	3.20	5.90	<0.8	0.80	2.80	<0.8	1.00	<0.8	<0.8	<0.8	1.60	1.50	2.20	103.00	12.20
16500.00	55.50	9200.00	2336.83	7536	634.00	33.50	217.00	96.00	304.00	166.00	132.00	200.00	105.00	481.00	552.00	92.60	155.00	105.00	360.00	2210.00
<4.1	4.10	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	7.40	7.70	<4.1	<4.1	7.40	10.50	<4.1	<4.1	<4.1	<4.1	5.10	<4.1
703.00	1000.00	1200.00	1327.99	1270	364.00	6.40	1980.00	1500.00	1400.00	1740.00	1380.00	1453.00	85.10	2100.00	1760.00	1580.00	1520.00	1740.00	888.00	711.00
3.20	<1.5	4.60	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	96.40	37.50
<1.1	<1.1	13.80	18.36	6.4	14.50	19.20	11.50	32.40	9.40	7.50	<1.1	70.60	<1.1	11.50	16.20	7.70	42.40	22.60	355.00	51.30
64.60	40.10	31.30	13.26	30	6.10	29.30	12.90	14.50	19.70	20.70	14.10	<0.2	9.50	9.80	10.60	63.90	11.50	13.60	66.70	71.00
<0.1	<0.1	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.50	<0.50	<0.50	<0.1	<0.1	<0.1	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1
6.90	6.80	7.10	7.00	7.1	7.50	7.50	7.20	7.60	7.30	7.60	7.60	8.10	7.20	7.40	7.20	7.20	7.30	6.90	7.10	7.30
282.00	78.20	76.40	30.79	176	21.50	24.00	337.00	488.00	915.00	1188.00	697.00	631.00	62.10	71.20	58.20	55.50	253.00	576.00	8430.00	6910.00
229.00	198.00	41.20	23.60	88.4	44.80	56.90	35.80	37.80	31.20	33.40	22.10	47.70	37.70	127.00	30.70	85.90	35.60	36.50	51.70	47.80
6.20	9.00	8.50	1.96	3	15.60	12.90	13.60	13.80	29.70	16.40	18.20	17.20	7.00	2.80	1.20	<0.3	6.10	17.40	4.00	443.00
<0.1	6.90	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	2.60	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	12.50	24.20	<0.1	<0.1	49.30	46.50
0.48	0.07	<0.20	3.77	<0.2	<0.2	<0.2	<0.2	0.20	0.50	<0.2	0.40	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.60	0.90
<0.05	<0.05	<0.10	1.31	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	2.40	3.60
<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	3.40	1.60	1.70	<0.05	<0.05	<0.05	<0.05	<0.05	1.10	<0.10	1.80	3.90	4.50
<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	1.30	1.50
<0.05	<0.05	<0.10	2.10	<0.10	<0.05	<0.05	1.51	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	1.10	1.10
<0.05	<0.05	<0.10	0.36	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	0.50	0.33
<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	1.00	0.54
<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	0.41
<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10
<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	1.50	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10
<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10
<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10
<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10
<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10
<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10

Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Feb-22	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Apr-22	May-22	Jul-22	Aug-22	Sep-22
LW4	LW4	LW4	LW4	LW4	LW4	LW4	LW11	LW14	LW14	LW14	LW14	LW14	LW14	LW14	LW14	LW14	LW14	LW14	LW14	LW14
112.00	159.00	105.00	309.00	124.00	15.90	192.00	0.09	170.10	81.20	46.62	59.50	15.40	0.45	272.00	248.00	330.00	695.00	587.00	0.92	1.20
2.60	2.00	2.10	7.50	0.84	<0.3	3.40	3.40	8.20	9.50	8.20	32.00	32.50	22.90	2.10	17.00	0.31	0.44	2.70	3.10	<0.3
<0.003	0.17	0.34	<0.003	0.00	<0.003	0.21	0.14	3.31	1.90	1.40	3.10	4.50	0.13	1.10	8.80	<0.003	0.26	3.60	3.70	1.00
1.40	1.90	1.40	0.57	<0.20	0.35	1.20	0.31	3.20	5.20	40.00	4.00	6.60	6.60	3.80	2.80	<0.20	2.90	4.10	2.90	5.90
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.14	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1350.00	815.00	828.00	813.00	636.00	277.00	1000.00	342.00	368.00	339.00	316.00	371.00	238.00	250.00	387.00	517.00	459.00	422.00	526.00	575.00	298.00
4500.00	5500.00	4100.00	6700.00	6500.00	2100.00	6400.00	114.00	2480.00	1900.00	2300.00	2760.00	2420.00	3149.00	2280.00	2600.00	7850.00	9170.00	9000.00	10500.00	8900.00
<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	1.40	<0.9	1.10
4.90	6.30	6.40	4.30	5.10	9.10	6.90	1.70	9.10	6.50	6.10	8.20	8.80	7.40	9.80	12.90	6.70	7.30	9.20	8.40	13.00
39.70	13.30	10.70	4.00	2.10	4.80	3.70	2.50	15.00	10.60	18.50	14.90	22.40	18.90	2.00	21.20	2.10	2.10	32.70	51.90	2.40
287.00	1800.00	759.00	152.00	141.00	189.00	2400.00	1100.00	367.00	130.00	48.80	78.80	24.50	44.30	312.00	242.00	406.00	735.00	1580.00	339.00	660.00
<4.1	<4.1	4.50	<4.1	10.00	<4.1	<4.1	4.70	<4.1	6.90	<4.1	12.60	9.00	5.20	6.70	28.90	<4.1	<4.1	<4.1	<4.1	<4.1
992.00	116.00	635.00	414.00	388.00	348.00	747.00	141.00	234.00	72.60	45.00	81.80	56.30	10.20	334.00	472.00	359.00	490.00	362.00	444.00	65.90
37.80	19.80	13.40	10.50	3.60	<1.5	3.00	<1.5	12.60	11.30	12.40	13.00	12.60	13.30	10.50	15.30	6.40	16.50	20.60	24.30	13.70
42.10	100.00	231.00	17.90	<1.1	4.30	15.30	190.00	26.10	14.10	62.40	31.40	52.80	74.80	28.20	44.00	37.10	13.90	49.60	68.60	<1.1
77.50	81.70	75.60	76.60	70.30	42.80	65.20	2.80	197.00	191.00	224.00	194.00	192.00	0.80	207.00	223.00	251.00	163.00	214.00	221.00	162.00
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.50	<0.50	<0.50	<0.1	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1
7.20	7.20	7.10	7.10	7.00	6.90	7.10	7.40	7.70	8.00	7.70	7.90	8.00	8.30	7.70	7.90	7.60	7.20	7.50	7.40	7.30
7200.00	4500.00	6600.00	4600.00	4500.00	108.00	3100.00	24.20	332.00	353.00	383.00	398.00	399.00	335.00	340.00	378.00	603.00	327.00	680.00	696.00	1070.00
31.30	31.70	215.00	37.10	491.00	265.00	136.00	60.70	36.60	42.80	45.70	41.10	27.50	22.10	45.20	39.40	25.90	36.70	76.70	30.70	40.00
3.30	5.50	3.50	10.00	1.70	12.90	5.40	20.80	10.00	22.50	36.80	29.60	35.30	31.60	8.00	10.50	11.00	3.10	1450.00	11.20	15.80
21.70	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	46.40	<0.1	<0.1
0.80	<0.2	1.00	1.40	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.60	<0.2	0.60	0.20	0.20	<0.2	<0.2	1.20	1.00	0.70	<0.2
0.63	4.10	2.30	3.80	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.44	<0.10	1.20	<0.10	0.78
4.00	5.20	3.90	5.50	<0.10	<0.10	<0.10	<0.05	<0.05	3.50	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	6.50	<0.10	5.70
1.30	2.10	1.40	2.20	1.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	2.60	<0.10	3.60
0.45	1.30	0.97	2.40	1.40	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	0.74	<0.10	1.50
<0.10	0.12	0.13	1.60	1.30	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	0.34	<0.10	0.25
<0.10	0.28	<0.10	<0.10	5.70	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	0.58	<0.10	0.44
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10

Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Jan-22	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	May-21	Jun-21	Jul-21
LW14	LW14	LW14	LW14	LW14	LW16	LW16	LW16	LW16	LW16	LW17	LW18	LW18	LW18	LW18	LW18	LW18	LW18	W01	W01	W01
0.84	445.00	365.00	302.00	321.00	164.00	228.00	53.40	0.05	55.80	339.00	175.70	224.70	90.30	87.90	103.00	47.20	188.00	14.91	54.25	52.92
<0.3	1.90	0.40	2.40	6.80	0.97	<0.3	<0.3	118.00	243.00	<0.3	<0.3	<0.3	20.10	33.30	16.80	194.00	<0.3	<0.3	0.57	<0.3
0.64	<0.003	<0.003	0.12	0.81	0.50	<0.003	0.02	0.02	23.10	1.20	0.17	45.70	4.00	2.20	0.98	2.60	0.18	0.04	<0.003	0.12
11.00	4.00	0.62	2.90	2.50	2.30	1.40	1.60	1.10	0.75	2.20	0.92	0.39	1.20	1.10	0.89	0.85	0.95	1.00	1.70	1.40
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
449.00	444.00	399.00	323.00	493.00	651.00	490.00	554.00	405.00	590.00	920.00	461.00	523.00	599.00	442.00	498.00	473.00	527.00	293.00	361.00	416.00
7400.00	11800.00	11300.00	9500.00	11200.00	2010.00	3960.00	1235.00	908.00	1800.00	10400.00	2800.00	2600.00	3230.00	2560.00	2489.00	1880.00	2700.00	633.00	656.00	1000.00
<0.9	<0.9	<0.9	1.30	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9
13.40	8.00	9.80	8.70	5.80	6.90	6.50	2.30	1.60	6.80	8.80	4.20	4.30	7.90	4.90	4.20	4.60	5.30	2.70	2.70	2.00
3.60	35.00	31.50	10.80	<0.8	9.10	<0.8	4.50	6.60	29.10	2.40	<0.8	8.70	11.70	12.10	9.70	32.00	6.80	40.00	5.30	1.60
490.00	244.00	223.00	589.00	690.00	2560.00	388.00	153.00	197.00	86.00	12500.00	254.00	73.80	56.10	28.80	115.00	41.60	1100.00	144.00	164.00	44.50
<4.1	<4.1	<4.1	<4.1	<4.1	10.90	9.20	<4.1	8.60	17.90	10.30	6.80	<4.1	19.90	<4.1	<4.1	6.10	18.70	7.40	<4.1	<4.1
328.00	125.00	140.00	147.00	381.00	268.00	838.00	1221.00	37.30	749.00	997.00	651.00	343.00	294.00	327.00	686.00	677.00	1100.00	1970.00	3550.00	2400.00
18.00	22.70	27.20	12.20	6.60	17.20	2.60	7.60	7.20	10.80	16.30	7.70	11.40	21.50	12.40	12.00	14.50	10.40	10.60	1.90	<1.5
5.70	18.20	30.10	29.20	37.90	23.10	1.40	13.10	27.00	56.30	11.80	<1.1	28.00	54.70	41.40	70.70	122.00	18.60	16.20	5.90	<1.1
142.00	200.00	190.00	166.00	<0.1	153.00	120.00	<0.2	90.50	137.00	195.00	110.00	148.00	121.00	130.00	<0.2	137.00	129.00	21.00	36.60	37.60
<0.1	<0.1	<0.1	<0.1	<0.1	<0.50	<0.50	<0.1	<0.1	<0.1	<0.1	<0.1	<0.50	<0.50	<0.50	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
7.30	7.20	7.50	7.30	7.30	8.00	7.40	8.00	7.60	8.00	7.40	7.90	7.60	8.00	7.90	8.10	7.60	7.80	7.10	7.00	7.20
648.00	841.00	769.00	527.00	483.00	355.00	252.00	135.00	164.00	299.00	898.00	199.00	205.00	214.00	215.00	136.00	173.00	202.00	54.20	84.30	102.00
282.00	40.10	803.00	560.00	191.00	52.50	51.10	42.50	63.20	63.50	101.00	28.50	70.30	70.40	60.50	92.40	84.20	128.00	80.70	46.70	50.70
13.50	17.40	44.10	42.00	8.40	4.70	7.50	6.70	8.70	7.50	12.20	4.00	9.60	36.80	55.10	10.40	9.20	6.80	6.90	4.40	2.60
5.80	22.10	<0.1	7.10	6.30	<0.1	<0.1	<0.1	<0.1	4.30	10.80	<0.1	<0.1	<0.1	7.00	<0.1	<0.1	7.90	2.60	1.50	<0.1
0.40	3.40	0.20	0.60	0.20	0.90	0.60	0.40	<0.2	<0.2	<0.2	0.40	0.30	1.00	1.20	0.40	0.50	1.10	1.60	1.60	0.30
0.58	28.50	<0.10	3.40	1.70	<0.05	<0.05	<0.05	0.33	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.21	<0.05	<0.05	<0.05	<0.05	<0.05
6.00	44.80	1.20	1.60	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
3.50	18.40	5.70	6.80	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	2.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
0.82	5.30	1.80	3.90	1.70	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
0.53	2.00	1.80	3.80	1.60	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
0.11	3.70	<0.10	1.60	4.90	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	2.50
<0.10	3.40	<0.10	1.30	4.60	<0.05	<0.05	0.08	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	3.10
<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	1.30	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	1.80	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	3.20	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	3.10	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	4.30	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	4.30	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	4.10	<0.05	<0.05	<0.05	<0.05

Leachate Screening

[illegible]

Leachate Screening

Leachate Screening

Feb-22	Mar-22	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22
W15	W15	W16	W16	W16	W16	W16	W16	W16	W16	W16	W16	W17	W17	W17	W17	W17	W17	W17	W17	W17
76.60	320.00	134.40	84.00	101.50	86.10	14.80	0.14	0.09	79.50	91.50	68.70	143.50	167.30	207.90	205.00	160.00	126.00	167.00	169.00	150.00
108.00	1.00	10.60	0.62	<0.3	128.00	11.70	115.00	162.00	2.80	42.90	96.30	<0.3	4.20	1.10	0.49	<0.3	237.00	<0.3	76.60	170.00
10.50	0.29	0.08	1.00	36.90	3.20	42.20	20.80	0.01	1.30	14.10	34.00	0.12	0.42	0.29	0.17	<0.003	2.20	0.01	78.70	12.50
1.00	<0.20	0.86	0.61	0.23	0.47	0.42	0.45	0.53	2.10	0.93	0.81	2.10	1.30	1.70	1.50	2.30	2.00	2.10	1.90	2.30
<0.05	<0.05	0.17	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
964.00	900.00	465.00	510.00	463.00	525.00	486.00	509.00	428.00	396.00	302.00	441.00	571.00	609.00	611.00	489.00	530.00	499.00	791.00	555.00	473.00
2340.00	2960.00	1960.00	1900.00	2100.00	2270.00	1090.00	1286.00	911.00	2200.00	2140.00	1890.00	5000.00	6100.00	8010.00	7400.00	9471.00	6620.00	4100.00	4660.00	5000.00
<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	0.90
4.00	10.60	3.20	2.10	2.00	4.00	2.20	1.70	1.50	6.60	3.50	3.30	3.40	4.10	5.90	4.80	4.40	4.30	8.70	6.10	5.60
4.60	7.20	5.60	<0.8	<0.8	3.10	0.90	1.30	6.40	<0.8	<0.8	2.50	<0.8	1.00	2.80	<0.8	<0.8	1.10	<0.8	<0.8	2.00
39.80	606.00	411.00	258.00	54.20	35.20	19.00	35.90	163.00	641.00	137.00	31.40	497.00	321.00	417.00	485.00	991.00	87.20	6300.00	785.00	93.70
<4.1	4.30	<4.1	<4.1	7.20	<4.1	<4.1	7.20	5.20	26.50	<4.1	8.50	4.30	<4.1	9.50	4.20	<4.1	<4.1	16.30	<4.1	4.50
543.00	680.00	1770.00	951.00	656.00	497.00	1210.00	1221.00	51.00	811.00	197.00	172.00	404.00	449.00	380.00	277.00	297.00	287.00	828.00	580.00	500.00
6.90	16.40	2.40	2.40	2.60	2.10	<1.5	<1.5	9.00	9.90	8.90	6.90	4.80	3.70	6.60	3.40	4.70	6.50	2.90	3.10	5.00
59.50	11.10	4.40	<1.1	<1.1	3.00	21.70	58.20	22.00	64.80	25.80	20.60	26.70	40.00	<1.1	5.10	<1.1	70.80	<1.1	21.90	62.40
101.00	48.00	44.90	46.20	54.40	50.50	20.70	<0.2	83.00	48.20	49.00	142.00	96.20	151.00	138.00	141.00	0.30	159.00	117.00	132.00	10.60
<0.1	<0.1	<0.1	<0.1	<0.50	<0.50	<0.50	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.50	<0.50	<0.50	<0.1	<0.1	<0.1	<0.1	<0.1
7.70	7.50	7.30	7.80	7.40	7.80	7.80	8.30	7.90	7.90	7.70	7.70	7.80	7.40	7.80	7.80	8.20	7.80	7.80	7.40	7.60
224.00	360.00	148.00	140.00	151.00	151.00	1150.00	842.00	1150.00	152.00	211.00	153.00	756.00	835.00	927.00	961.00	774.00	926.00	626.00	732.00	833.00
47.80	10.70	85.60	76.50	72.60	76.40	78.90	60.70	57.60	28.70	77.40	38.40	36.70	37.50	38.40	35.90	62.50	78.30	83.60	60.00	81.70
6.80	13.40	7.40	8.90	20.00	13.90	23.00	20.70	8.60	58.70	80.20	30.20	2.90	22.80	4.70	9.00	7.70	21.50	5.50	10.20	10.70
<0.1	<0.1	1.60	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	2.90	4.60	<0.1	<0.1	<0.1	<0.1	3.80	<0.1	<0.1	21.30	<0.1	<0.1
<0.2	<0.2	<0.2	<0.2	0.20	<0.2	<0.2	0.40	0.50	<0.2	<0.2	<0.2	0.40	0.40	0.50	0.30	<0.2	<0.2	<0.2	<0.2	<0.2
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	2.90	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	2.80	<0.05	<0.05
<0.05	<0.05	1.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	3.00	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	3.10	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.85	0.85	<0.05	<0.05	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Ferry Road Landfill

Leachate Screening

Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21
W18	W18	W18	W18	W18	W18	W18	W18	W18	W18	W19	W19	W19	W19	W19	W20	W20	W20	W20	W20	W20
154.70	91.70	116.20	121.80	126.00	93.70	64.80	90.00	82.30	160.00	19.60	2.40	0.09	3.80	26.50	152.60	115.50	133.70	184.80	200.00	158.00
<0.3	<0.3	8.20	1.50	1.70	4.90	242.00	1.40	32.80	0.40	0.71	65.30	62.90	31.60	3.50	0.49	<0.3	<0.3	<0.3	2.20	1.40
<0.003	<0.003	11.70	0.63	0.03	0.45	3.10	0.04	2.50	0.23	0.23	0.72	0.01	0.48	<0.003	0.56	0.47	29.70	0.47	0.01	<0.003
1.40	1.40	<0.20	0.61	0.57	0.68	0.71	0.62	0.65	0.80	0.60	0.38	0.37	0.43	0.57	2.00	2.20	1.40	1.60	0.51	3.90
0.17	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.11	<0.05	<0.05	<0.05	<0.05	<0.05
1070.00	1100.00	896.00	1350.00	1070.00	1135.00	508.00	1000.00	826.00	752.00	553.00	520.00	675.00	613.00	65.80	446.00	574.00	476.00	829.00	663.00	605.00
2500.00	2000.00	2100.00	2000.00	1670.00	2015.00	1730.00	1600.00	1620.00	2200.00	301.00	1700.00	244.00	233.00	452.00	7320.00	5600.00	5600.00	7580.00	8240.00	9428.00
<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	1.20	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9
4.40	2.60	2.80	5.10	3.50	2.10	<1.0	2.70	2.50	5.10	1.40	1.30	<1.0	2.60	4.10	4.20	2.90	3.70	5.90	5.90	4.30
1.20	<0.8	2.20	7.30	<0.8	<0.8	<0.8	<0.8	<0.8	1.60	1.80	<0.8	2.40	1.80	3.30	5.70	<0.8	0.80	6.60	3.70	<0.8
945.00	560.00	54.60	179.00	459.00	291.00	62.90	1200.00	68.80	112.00	120.00	14.10	58.40	2.00	152.00	445.00	848.00	201.00	652.00	795.00	1566.00
<4.1	4.60	<4.1	<4.1	9.90	<4.1	<4.1	34.60	<4.1	<4.1	<4.1	8.00	17.80	<4.1	7.60	<4.1	7.20	<4.1	23.60	14.40	9.20
1980.00	1100.00	324.00	1150.00	933.00	759.00	1360.00	2300.00	792.00	1250.00	856.00	1300.00	84.20	246.00	176.00	604.00	632.00	470.00	860.00	831.00	835.00
3.70	3.20	4.20	3.00	<1.5	2.50	2.30	<1.5	4.20	2.50	<1.5	1.80	<1.5	3.60	<1.5	5.60	4.60	5.10	8.60	8.30	5.60
<1.1	7.00	3.50	<1.1	<1.1	1.70	5.40	12.30	13.10	5.20	62.70	3.20	51.80	77.30	6.30	3.20	2.10	2.50	5.90	6.00	<1.1
64.30	56.60	75.10	62.50	57.90	<0.2	35.10	47.30	50.70	64.60	<0.2	38.10	18.20	16.00	52.40	110.00	90.40	137.00	130.00	133.00	<0.2
<0.1	<0.1	<0.50	<0.50	<0.50	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.50	<0.50	<0.50	<0.1
7.20	7.90	7.60	7.80	7.60	8.30	7.80	7.70	7.50	7.40	7.70	7.20	7.10	7.40	7.80	7.40	7.80	7.60	7.70	7.70	8.20
173.00	162.00	171.00	165.00	170.00	135.00	168.00	107.00	106.00	177.00	21.00	23.60	22.50	23.00	113.00	468.00	442.00	450.00	576.00	602.00	465.00
356.00	175.00	124.00	112.00	120.00	78.50	93.70	44.40	70.30	40.70	63.40	36.40	60.70	47.70	84.40	210.00	106.00	107.00	96.80	90.70	132.00
5.50	3.10	7.50	0.60	5.00	5.50	10.30	2.80	8.90	4.10	17.20	9.80	16.80	19.50	38.20	6.60	3.20	11.80	5.90	32.20	22.80
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	3.20	4.40	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	9.40	<0.1	<0.1	<0.1	<0.1
0.20	1.20	0.30	<0.2	0.30	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	2.10	0.30	0.20	3.80	0.30	0.80
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	1.90	<0.05	<0.05	<0.05	<0.05	1.50	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	1.50	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	2.40	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	2.70	<0.05	<0.05	1.60	<0.05	<0.05
1.00	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	1.50	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	1.40	<0.05	<0.05	<0.05	<0.05	1.80	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Ferry Road Landfill

Leachate Screening

Dec-21	Jan-22	Feb-22	Mar-22	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21
W20	W20	W20	W20	W24	W24	W24	W24	W24	W24	W24	W24	W24	W28	W28	W28	W28	W28	W28	W28	W28
196.00	139.00	149.00	154.00	194.00	216.00	265.00	239.00	177.00	64.00	148.00	130.00	248.00	16.24	63.14	86.80	70.00	81.20	8.40	8.30	1.30
8.10	0.57	107.00	10.10	<0.3	<0.3	1.10	3.80	1.90	698.00	<0.3	50.60	0.93	<0.3	1.90	<0.3	1.80	2.10	7.70	42.70	38.90
16.80	0.30	86.00	3.30	0.32	0.20	0.19	0.23	0.88	0.04	0.08	23.00	0.07	0.02	0.03	<0.003	0.26	0.79	0.17	0.59	0.26
2.60	1.50	1.60	1.50	2.40	1.20	1.90	1.40	1.40	0.95	1.30	1.10	11.00	0.37	1.40	3.80	3.90	3.40	1.10	0.78	0.64
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
689.00	833.00	600.00	423.00	680.00	659.00	717.00	497.00	548.00	473.00	733.00	594.00	558.00	320.00	451.00	704.00	134.00	239.00	111.00	162.00	235.00
7320.00	7300.00	7200.00	5460.00	4600.00	4600.00	5670.00	7400.00	4946.00	3700.00	4100.00	3810.00	3790.00	292.00	1230.00	1600.00	1800.00	2350.00	427.00	668.00	259.00
<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	1.20	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9
5.00	9.50	6.10	5.70	5.70	6.10	7.80	4.40	4.60	5.50	4.70	5.40	6.90	2.40	3.40	2.70	3.80	7.60	2.70	1.30	6.70
1.30	<0.8	<0.8	2.20	<0.8	2.40	2.70	4.30	<0.8	38.40	<0.8	4.90	1.70	2.10	1.30	<0.8	<0.8	5.20	5.30	9.60	5.80
283.00	8100.00	1810.00	2770.00	404.00	122.00	177.00	383.00	740.00	186.00	252.00	163.00	85.60	319.00	324.00	193.00	208.00	8700.00	2200.00	206.00	4.50
13.00	31.30	<4.1	6.20	4.80	<4.1	18.20	<4.1	<4.1	<4.1	16.90	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	13.00	11.80	<4.1
664.00	570.00	495.00	425.00	889.00	733.00	859.00	282.00	917.00	644.00	1700.00	1180.00	1100.00	3130.00	4820.00	1400.00	4300.00	4130.00	658.00	260.00	1.20
9.80	6.50	7.30	5.10	5.00	6.00	6.30	5.40	4.30	13.20	4.70	6.60	2.60	5.10	1.90	9.70	14.60	11.20	6.70	10.40	5.40
19.90	12.40	13.20	51.80	1.80	10.00	<1.1	9.00	4.40	53.10	21.60	32.70	2.00	<1.1	<1.1	3.20	<1.1	5.20	4.70	32.60	12.30
150.00	143.00	148.00	187.00	133.00	163.00	142.00	138.00	<0.2	123.00	106.00	116.00	18.60	13.10	36.30	53.30	63.30	63.00	14.80	<0.2	10.50
<0.1	<0.1	<0.1	<0.1	<0.1	<0.50	<0.50	<0.50	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.50	<0.50	<0.50	<0.1	<0.1
7.70	7.70	7.40	7.40	7.70	7.70	7.90	7.50	8.10	7.60	7.80	7.40	7.40	7.00	7.30	7.70	7.50	7.50	7.40	8.00	7.40
558.00	513.00	518.00	390.00	295.00	313.00	323.00	929.00	214.00	257.00	242.00	244.00	273.00	20.20	74.50	111.00	114.00	130.00	35.40	31.30	16.50
154.00	103.00	134.00	53.60	58.40	40.60	41.70	40.70	39.40	61.60	79.40	53.40	99.90	42.20	57.40	65.70	57.60	52.70	41.10	45.20	59.00
30.20	11.90	24.90	15.10	5.20	9.50	7.10	9.70	7.60	11.50	6.30	7.30	4.60	5.30	4.20	48.70	872.00	480.00	162.00	148.00	45.40
<0.1	5.50	5.40	40.00	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	4.20	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1.20	2.40	2.60	2.20	<0.2	0.20	0.20	0.30	<0.2	<0.2	<0.2	<0.2	<0.2	0.60	0.20	<0.2	0.30	<0.2	0.60	0.30	0.70
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.05	1.70	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.05	2.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	3.40	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	3.00	<0.05	<0.05	<0.05	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Leachate Screening

[illegible]

Groundwater Screening				WQS		May-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22
Sample ID	Units	Acc	MRV / (MDL)	UK DWS	EQS	FR1	FR1	FR1	FR1	FR1	FR1	FR1	FR1	FR1	FR1	FR1	FR1	FR1
Ammonia	mg.l ⁻¹ as N	A		0.5	0.38	0.05	0.03	0.01	<0.01	0.06	0.06	0.11	0.05	0.03	<0.01	0.02	0.01	0.10
Nitrate	mg.l ⁻¹ as NO ₃	A		50	-	13.90	12.20	17.00	17.60	15.10	18.00	13.80	9.30	13.00	27.10	9.90	9.30	13.30
Nitrite	mg.l ⁻¹ as NO ₂	A		0.5	-	0.00	<0.003	<0.003	<0.003	0.02	<0.003	<0.003	0.00	<0.003	<0.003	<0.003	<0.003	0.00
Arsenic	µg.l ⁻¹	S-A	(0.2)	10	25	0.91	0.87	1.00	2.40	0.65	1.10	0.93	0.74	0.75	0.69	0.80	0.72	0.81
Mercury	µg.l ⁻¹	S-A	0.01	1	0.05	<0.05	<0.05	0.13	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Barium	µg.l ⁻¹	A		1000	-	13.50	19.40	14.60	15.30	18.00	20.10	18.70	43.40	28.90	38.70	30.30	22.70	12.50
Boron	µg.l ⁻¹	A		1000	-	538.00	422.00	265.00	824.00	819.00	830.00	692.00	456.00	248.00	597.00	307.00	309.00	566.00
Cadmium	µg.l ⁻¹	A		5	0.08*	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9
Chromium	µg.l ⁻¹	A		50	4.7*	3.30	<1.0	7.60	7.40	6.10	7.70	6.30	6.70	8.20	5.50	9.40	9.40	7.80
Copper	µg.l ⁻¹	A		2000	1* (MBAT)	2.20	3.60	2.50	<0.8	1.90	3.20	3.30	4.30	2.80	2.80	2.20	4.80	4.50
Iron	µg.l ⁻¹	A		200	1000	70.00	42.00	159.00	80.70	49.20	81.90	54.30	60.10	26.50	74.50	32.00	47.40	46.00
Lead	µg.l ⁻¹	A	(4.1)	10	1.2*	<4.1	<4.1	4.40	<4.1	11.20	14.70	6.50	6.80	<4.1	21.20	<4.1	6.00	<4.1
Manganese	µg.l ⁻¹	A		50	123* (MBAT)	6.80	2.80	<1.0	4.10	3.10	9.90	5.40	4.50	<1.0	9.10	<1.0	1.90	<1.0
Nickel	µg.l ⁻¹	A		20	4* (MBAT)	2.00	2.30	1.80	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
Zinc	µg.l ⁻¹	A		5000	6.8	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	1.40	8.60	<1.1	47.20	5.00	<1.1	<1.1
Potassium	mg.l ⁻¹	A		12	-	23.30	20.00	25.00	30.70	33.10	28.20	24.60	<0.2	14.20	21.60	15.20	24.50	24.20
Hexavalent Chromium	mg.l ⁻¹	N		-	0.0006	<0.1	<0.1	<0.1	<0.1	<0.50	<0.50	<0.50	<0.1	<0.1	<0.1	<0.1	<0.1	<0.10
pH	pH units	A		-	-	7.10	7.20	7.10	7.20	7.10	7.30	7.50	7.70	7.30	7.10	7.30	7.20	7.10
Chloride	mg.l ⁻¹	A		250	-	126.00	104.00	116.00	164.00	174.00	204.00	156.00	57.60	37.80	84.50	45.10	69.90	135.00
TOC	mg.l ⁻¹	A		-	-	50.20	77.10	70.50	30.10	40.70	43.40	42.50	43.20	36.90	37.90	102.00	70.10	43.20
Sulphate	mg.l ⁻¹	A		250	-	43.40	52.30	51.30	55.60	62.20	55.70	86.40	52.80	31.90	38.70	46.80	35.70	50.20
Mecoprop	µg.l ⁻¹	N	0.04	10	18	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TPH	mg.l ⁻¹	N	(0.2)	0.01	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Naphthalene	µg.l ⁻¹	A		-	2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.10
Acenaphthene	µg.l ⁻¹	A	(0.05)	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10
Fluorene	µg.l ⁻¹	A		-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.50	<0.05	<0.10
Phenanthrene	µg.l ⁻¹	A	(0.05)	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10
Anthracene	µg.l ⁻¹	A	(0.05)	-	0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10
Fluoranthene	µg.l ⁻¹	A	(0.05)	0.038	0.0063	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10
Pyrene	µg.l ⁻¹	A		-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10
Benza(a)anthracene	µg.l ⁻¹	A	(0.05)	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10
Chrysene	µg.l ⁻¹	A		-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10
Benzo(b)fluoranthene	µg.l ⁻¹	A	(0.05)	0.1	0.00017	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10
Benzo(a)pyrene	µg.l ⁻¹	A		0.01	0.00017	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10
Indeno(123-cd)pyrene	µg.l ⁻¹	A	(0.05)	0.1	0.00017	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.30
Dibenza(ah)anthracene	µg.l ⁻¹	A		-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10
Benzo(ghi)perylene	µg.l ⁻¹	A		0.1	0.00017	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10

May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	Jul-23	Oct-23	Jan-24	Apr-24	Jul-24	May-21	Jun-21	Jul-21	Aug-21
FR1	FR1	FR1	FR1	FR1	FR1	FR1	FR1	FR1	FR1	FR1	FR1	FR1	FR1	FR1	FR1	FR1	FR5	FR5	FR5	FR5
0.18	0.02	4.20	0.07	0.16	0.21	0.27	0.06	0.06	0.15	0.16	0.09	0.05	0.03	0.14	0.06	0.05	80.50	86.80	81.20	88.20
17.10	18.40	20.90	19.50	14.10	11.20	37.40	13.60	7.60	10.80	15.00	3.50	18.10	4.70	12.20	0.92	9.1	<0.3	1.70	<0.3	1.80
0.01	<0.003	0.06	<0.003	<0.003	0.00	<0.003	<0.003	0.00	<0.003	0.01	<0.003	<0.003	<0.003	<0.003	<0.001	<0.003	0.15	0.11	<0.003	0.13
1.30	0.67	1.20	1.50	1.60	1.40	0.56	0.36	0.58	0.75	0.79	0.62	0.63	0.76	0.76	0.85	0.7	3.50	2.10	1.70	1.50
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
66.60	17.10	22.70	15.20	21.00	18.80	20.90	12.50	<0.5	48.80	17.80	77.10	53.90	28.20	87.40	135.75	32	170.00	316.00	375.00	380.00
720.00	543.00	811.00	974.00	802.00	647.00	381.00	1100.00	<6.5	541.00	1400.00	199.00	106.00	230.00	77.60	96.26	365	1560.00	1810.00	1800.00	1900.00
<0.9	<0.9	1.00	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	1.50	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9
8.80	8.50	8.90	8.40	7.80	7.60	6.80	7.80	2.90	9.20	6.80	5.60	<1.0	<1.0	1.50	2.45	1.5	2.50	3.10	3.80	6.30
4.50	4.20	6.80	4.70	3.20	5.00	5.10	3.50	5.30	4.60	3.60	5.30	1.70	<0.8	<0.8	16.41	<0.8	2.20	13.20	<0.8	1.10
170.00	50.30	191.00	66.60	201.00	166.00	59.50	28.20	4.60	11.90	<0.8	54.00	216.00	63.90	250.00	474.64	119	231.00	230.00	377.00	380.00
<4.1	<4.1	<4.1	<4.1	<4.1	4.70	4.90	<4.1	<4.1	<4.1	<4.1	5.20	10.70	7.10	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	4.40
14.50	1.40	21.20	4.00	8.90	21.00	3.40	<1.0	<1.0	<1.0	<1.0	5.60	17.40	3.70	<1.0	54.81	<1.0	30.00	375.00	236.00	377.00
<1.5	<1.5	<1.5	1.80	3.30	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	4.60	<1.5	<1.5	<1.5	<1.5	<1.5	2.50	2.30	<1.5	<1.5
3.00	<1.1	4.70	<1.1	<1.1	5.20	7.10	<1.1	2.30	9.60	6.50	<1.5	<1.1	<1.1	8.30	31.57	<1.1	<1.1	8.30	2.70	<1.1
22.70	23.90	27.60	28.20	27.50	22.90	18.00	21.40	6.40	17.40	18.20	7.80	8.70	10.00	5.00	6.46	17.3	85.10	80.30	76.90	95.20
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.50
7.10	7.10	7.30	7.10	6.90	7.00	7.00	6.90	7.20	7.10	7.00	7.50	7.00	6.90	8.20	7.19	7	7.60	7.60	7.70	7.70
149.00	169.00	289.00	275.00	201.00	178.00	71.50	110.00	71.00	125.00	296.00	127.00	164.00	69.20	13.90	40.32	99.4	2620.00	2420.00	2250.00	2500.00
54.50	28.90	36.70	40.80	34.60	83.90	29.60	252.00	221.00	131.00	35.50	270.00	10.80	295.00	29.80	54.20	56.4	175.00	170.00	165.00	125.00
50.40	3.40	9400.00	72.50	76.70	159.00	83.00	78.80	31.20	43.50	49.80	25.50	38.20	48.90	15.10	42.20	54.6	6.70	10.40	7.70	16.80
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
<0.2	<0.2	0.40	<0.2	<0.2	<0.2	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.09	<0.20	0.83	<0.2	0.40	1.00	1.40	0.50
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.5	<0.10	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	0.33	<0.10	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	0.49	<0.10	<0.05	<0.05	<0.05	<0.05
0.80	<0.10	0.49	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05
0.50	<0.10	0.45	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05

Ferry Road Landfill

Groundwater Screening

Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Oct-23	Jan-24	Apr-24	Jul-24	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23
FR5	FR5	FR5	FR5	FR5	1/2 (S)	1/2 (S)	1/2 (S)	1/2 (S)	1/2 (S)	1/2 (S)	1/2 (S)	1/2 (S)	1/2 (S)	1/2 (S)	1/2 (D)	1/2 (D)	1/2 (D)	1/2 (D)	1/2 (D)	1/2 (D)
80.50	80.10	77.30	64.80	60.50	19.50	16.70	10.30	10.90	55.50	31.30	19.80	20.40	14.79	37.8	35.00	37.70	30.10	35.50	48.50	36.40
0.71	0.44	<0.3	<0.3	<0.3	4.50	<0.3	4.80	2.90	0.57	<0.3	1.50	0.44	<0.3	<0.3	0.35	<0.3	2.00	1.40	0.40	<0.3
0.18	0.01	0.09	0.01	0.18	<0.003	0.00	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.001	<0.003	<0.003	<0.003	<0.003	0.04	<0.003	<0.003
2.00	2.20	2.10	2.80	3.60	2.90	1.20	1.60	4.70	3.20	2.00	3.80	1.40	3.60	2.4	2.30	1.70	1.20	1.00	2.40	2.60
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
384.00	301.00	305.00	273.00	393.00	186.00	228.00	204.00	333.00	182.00	349.00	319.00	257.00	438.86	213	403.00	178.00	175.00	185.00	318.00	356.00
2550.00	2550.00	3313.00	635.00	4100.00	3100.00	2300.00	1500.00	2400.00	4800.00	3100.00	2300.00	1300.00	1597.72	4960	3500.00	3100.00	3000.00	4100.00	3600.00	2600.00
<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	1.10	<0.86	<0.9	<0.9	<0.9	1.50	0.97	<0.9	1.1	1.10	1.20	1.00	<0.9	1.30	1.00
5.40	6.60	4.50	4.60	3.70	2.00	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	3.98	14.3	3.90	<1.0	<1.0	<1.0	<1.0	<1.0
4.50	<0.8	2.10	1.50	<0.8	2.40	<0.8	<0.8	37.00	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	7.70	1.70	<0.8	<0.8	6.40	1.20
118.00	279.00	72.30	99.00	429.00	264.00	12900.00	2700.00	692.00	2200.00	3000.00	4000.00	4400.00	10318.09	2005	1100.00	342.00	563.00	354.00	1300.00	2600.00
<4.1	7.10	5.00	<4.1	15.90	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	14.10	<4.1	<4.1	<4.1	<4.1	<4.1	4.60	<4.1	<4.1	4.60
181.00	177.00	170.00	152.00	256.00	2000.00	1400.00	1600.00	2000.00	1400.00	1060.00	1600.00	789.00	1307.10	3300	4100.00	1200.00	665.00	750.00	3002.00	1600.00
<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	1.50	<1.5	10.50	<1.5	<1.5	<1.5	<1.5	<1.5	2	<1.5	<1.1	<1.5	<1.5	<1.5	<1.5
<1.1	<1.1	<1.1	<1.1	32.90	<1.1	<1.5	<1.1	33.50	<1.1	<1.1	<1.1	17.90	2.63	6.7	13.30	<1.5	<1.1	<1.1	<1.1	<1.1
87.70	76.10	4.80	90.80	90.10	25.90	23.20	16.90	30.40	29.00	31.00	19.20	14.80	15.60	39.6	93.00	61.20	55.40	65.50	104.00	108.00
<0.50	<0.50	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
7.80	7.80	8.30	7.80	7.70	7.60	6.90	6.90	7.00	7.00	7.80	6.90	8.00	7.00	7	7.60	7.30	7.40	7.40	7.30	7.60
2412.00	2430.00	2122.00	2600.00	2580.00	182.00	286.00	165.00	188.00	201.00	143.00	167.00	109.00	121.97	219	5900.00	2741.00	1599.00	1500.00	6426.00	4000.00
112.00	125.00	131.00	250.00	263.00	68.80	125.00	1911.00	123.00	381.00	99.60	201.00	121.00	10.90	56.7	182.00	135.00	1874.00	264.00	238.00	240.00
20.00	54.10	48.60	85.60	90.00	322.00	111.13	165.00	481.00	87.40	21.10	49.90	2.70	9.77	1056	110.00	259.25	279.00	363.00	87.40	134.00
<0.1	2.40	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.28
0.50	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.20	0.47	0.26	<0.20	0.06	<0.20	4.67	<0.2	<0.2	<0.2	<0.2	0.35	<0.2	<0.20
<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	1.87	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	2.38	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	0.43	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	7.40	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05
<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05

Oct-23	Jan-24	Apr-24	Jul-24	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Oct-23	Jan-24	08/04/2024	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Oct-23	Jan-24
1/2 (D)	1/2 (D)	1/2 (D)	1/2 (D)	3/4 (S)	3/4 (S)	3/4 (S)	3/4 (S)	3/4 (S)	3/4 (S)	3/4 (S)	3/4 (S)	3/4 (S)	3/4 (D)	3/4 (D)	3/4 (D)	3/4 (D)	3/4 (D)	3/4 (D)	3/4 (D)	3/4 (D)
42.70	33.20	32.60	41.7	63.70	52.70	41.00	64.60	78.40	57.60	57.30	26.40	54.16	58.60	44.90	45.80	54.20	77.30	57.10	60.50	1.20
0.49	<0.3	<0.3	<0.3	5.50	2.80	3.90	2.60	1.00	<0.3	0.57	15.50	<0.3	5.60	<0.3	1.40	1.50	1.50	<0.3	1.10	3.30
<0.003	0.04	<0.001	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.07	<0.003	<0.001	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.00	<0.003
3.90	8.90	14.00	5.6	0.65	0.58	<0.20	0.98	0.94	0.37	0.43	0.39	3.30	0.66	0.63	0.57	0.60	0.65	0.45	0.48	0.69
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
467.00	500.00	601.34	441	632.00	498.00	611.00	525.00	412.00	470.00	473.00	326.00	439.47	651.00	458.00	655.00	827.00	503.00	596.00	681.00	293.00
2500.00	2100.00	2380.63	2886	5700.00	3800.00	4000.00	6200.00	5000.00	4000.00	3800.00	1200.00	3494.50	5200.00	3100.00	4240.00	5000.00	4700.00	4000.00	4500.00	181.00
<0.9	8.30	1.72	2.2	<0.9	1.60	<0.86	<0.9	1.00	<0.9	1.50	2.00	1.45	<0.9	1.00	<0.9	<0.9	<0.9	<0.9	<0.9	1.10
<1.0	<1.0	9.44	17.1	1.10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	4.16	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
15.20	20.30	42.94	9.6	1.90	<0.8	37.60	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	2.00	<0.8	37.70	43.20	29.70	34.20	27.10	25.00
2000.00	5700.00	12081.33	3220	1800.00	7603.00	17000.00	877.00	3000.00	748.00	154.00	6200.00	3343.97	1900.00	347.00	17600.00	30500.00	639.00	10100.00	13800.00	440.00
<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	4.80	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	5.90	<4.1	4.40	17.10	<4.1
1400.00	1100.00	761.31	820	926.00	654.00	686.00	1000.00	827.00	614.00	739.00	458.00	579.90	739.00	709.00	721.00	941.00	881.00	681.00	700.00	513.00
<1.5	<1.5	<1.5	<1.5	<1.5	49.60	36.60	8.50	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	3.00	<1.50	3.20	<1.5	<1.5	3.80	6.90
41.20	25.00	20.02	13	12.40	<1.5	68.80	3.90	40.90	12.20	20.20	20.60	6.52	10.20	<1.5	20.10	33.00	21.90	17.00	12.70	22.80
116.00	110.00	160.88	216	40.20	31.10	36.90	44.40	34.10	39.30	31.20	14.90	28.88	35.70	27.50	37.00	44.90	41.90	44.40	42.20	7.00
<0.1	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
7.00	7.60	7.30	7.4	7.10	6.90	6.80	6.70	6.80	7.80	6.70	7.80	6.83	7.00	7.30	6.70	6.70	6.80	6.90	6.60	8.20
7500.00	6847.00	7499.99	8937	248.00	166.00	210.00	237.00	193.00	187.00	195.00	186.00	154.78	188.00	173.00	184.00	186.00	182.00	174.00	192.00	34.60
303.00	112.00	19.50	55.4	140.00	38.00	1901.00	228.00	230.00	86.40	291.00	32.80	26.40	89.30	143.00	2000.00	423.00	218.00	143.00	278.00	97.60
45.90	<1.20	6.12	7.1	6.80	1.82	3.50	1.20	6.70	4.90	3.20	3.70	10.98	5.10	1.83	1.40	3.00	3.00	2.40	<0.4	26.80
<0.1	<0.1	<0.1	<0.1	5.50	8.10	<0.1	4.70	5.70	0.95	5.40	<0.1	1.20	<0.1	4.20	<0.1	5.50	<0.1	3.50	5.10	<0.1
0.06	<0.20	1.43	<0.2	<0.2	<0.2	0.30	0.58	0.37	0.20	0.06	<0.20	3.05	<0.2	<0.2	0.23	0.62	0.39	0.29	0.06	<0.20
<0.05	<0.10	0.60	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.5	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10
<0.05	<0.10	<0.05	<0.10	1.50	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	1.20	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10
<0.05	<0.10	<0.05	<0.10	<0.10	3.00	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	1.99	<0.10	3.50	6.00	1.80	<0.05	<0.05	<0.05	<0.10
<0.05	<0.10	0.25	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	0.34	<0.10	<0.10	2.40	<0.10	<0.05	<0.05	<0.05	<0.10
<0.05	<0.10	0.58	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	0.72	<0.10	<0.10	0.42	<0.10	<0.05	<0.05	<0.05	<0.10
<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10
<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10
<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10
<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10
<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10
<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10
<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10
<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10

Apr-24	Jul-24	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Oct-23	Jan-24	Apr-24	Jul-24	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Oct-23	Jan-24	Apr-24
3/4 (D)	3/4 (D)	5/6 (S)	5/6 (S)	5/6 (S)	5/6 (S)	5/6 (S)	5/6 (S)	5/6 (S)	5/6 (S)	5/6 (S)	5/6 (S)	5/6 (D)	5/6 (D)	5/6 (D)	5/6 (D)	5/6 (D)	5/6 (D)	5/6 (D)	5/6 (D)	5/6 (D)
53.02	77.8	3.20	0.95	1.50	3.70	7.00	4.00	3.90	0.17	6.79	10.4	5.30	<0.01	2.10	0.68	0.30	0.25	0.25	0.47	7.06
<0.3	<0.3	<0.3	4.60	24.40	2.30	<0.3	<0.3	39.80	9.30	0.46	<0.3	1.10	0.31	9.60	16.00	16.80	9.30	6.80	2.10	3.28
<0.001	<0.003	<0.003	0.10	0.21	<0.003	<0.003	<0.003	0.37	0.03	<0.001	0.025	0.02	1.23	1.14	0.52	0.46	0.73	6.05	0.15	0.12
2.30	1.2	4.40	1.90	1.50	1.90	1.00	37.00	1.30	1.00	5.00	1.8	5.20	4.60	4.40	4.40	0.72	4.50	4.40	5.10	7.80
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
408.47	558	134.00	121.00	137.00	222.00	173.00	204.00	206.00	82.30	717.37	198	85.70	92.50	86.00	94.30	85.40	87.90	87.50	101.00	39.16
3480.08	4478	418.00	252.00	136.00	269.00	149.00	187.00	219.00	68.90	186.88	344	848.00	675.00	559.00	713.00	575.00	568.00	557.00	601.00	1309.34
0.94	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	1.90	<0.9	1.8	<0.9	<0.9	<0.9	<0.9	1.40	1.10	0.97	1.90	1.04
2.54	7.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	4.3	4.00	3.70	5.10	<1.0	<1.0	<1.0	<1.0	<1.0	7.49
<0.8	<0.8	2.40	1.90	50.50	<0.8	<0.8	<0.8	42.70	<0.8	19.08	<0.8	6.20	10.30	2.40	3.90	2.90	2.60	3.40	37.10	<0.8
2930.12	7295	245.00	84.70	237.00	969.00	608.00	1100.00	225.00	53.60	5784.25	274	<0.8	94.30	93.30	92.40	36.40	59.40	41.40	361.00	169.06
<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	6.70	10.90	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1
530.83	903	1900.00	1000.00	761.00	3100.00	2800.00	2231.00	819.00	32.90	716.27	1150	205.00	215.00	202.00	311.00	192.00	204.00	198.00	222.00	54.89
<1.5	<1.5	<1.5	5.10	3.30	4.10	<1.5	<1.5	4.10	<1.5	<1.5	<1.5	1.90	20.80	<1.5	2.30	<1.5	1.80	2.30	3.80	<1.5
44.94	55.7	<1.1	<1.5	33.70	4.90	<1.1	<1.1	22.80	2.10	94.03	7.9	19.50	3.30	14.30	12.10	5.00	14.40	22.80	55.30	20.35
29.71	44.4	12.00	7.90	8.20	15.30	15.00	14.90	12.80	2.90	5.23	14.7	27.70	28.40	26.50	33.10	28.20	34.70	27.50	30.90	47.27
<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
6.71	6.9	7.70	7.60	7.30	7.20	7.20	7.00	7.10	8.30	7.48	7.4	8.10	8.00	7.80	7.80	7.80	8.10	7.60	8.10	7.74
152.98	301	416.00	53.30	41.20	100.00	91.10	51.60	62.20	30.80	12.67	56.4	1800.00	1600.00	1856.00	1900.00	1767.00	1700.00	1900.00	1930.00	2139.22
33.80	56.9	82.60	84.20	257.00	126.00	222.00	55.20	128.00	69.60	46.50	60.2	60.50	63.90	272.00	59.60	291.00	65.30	135.00	106.00	44.20
10.76	4.4	16.40	41.04	62.10	89.80	108.00	119.00	179.00	13.30	68.80	57.2	288.00	286.05	285.00	323.00	275.00	260.00	270.00	395.00	122.59
4.59	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
3.38	<0.2	<0.2	<0.2	<0.2	0.46	0.22	<0.20	0.06	<0.20	1.02	<0.2	<0.2	<0.2	<0.2	0.38	0.24	<0.20	0.18	<0.20	0.71
<0.5	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.5	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.5
<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05
2.09	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05
0.34	1.3	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	0.27	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	0.25
0.94	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	0.76	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	0.46
<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	0.05	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05
<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05
<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05
<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05
<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05
<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05
<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05
<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05
<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05

Jul-24	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Oct-23	Jan-24	Apr-24	Jul-24	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Oct-23	Jan-24	Apr-24	Jul-24
5/6 (D)	7/8 (S)	7/8 (S)	7/8 (S)	7/8 (S)	7/8 (S)	7/8 (S)	7/8 (S)	7/8 (S)	7/8 (S)	7/8 (S)	7/8 (D)	7/8 (D)	7/8 (D)	7/8 (D)	7/8 (D)	7/8 (D)	7/8 (D)	7/8 (D)	7/8 (D)	7/8 (D)
12	3.40	<0.01	4.10	7.20	8.90	6.30	5.50	4.90	6.02	11.8	3.20	0.08	0.12	0.11	0.42	7.10	2.00	0.20	0.04	7.1
6.4	4.10	<0.3	0.40	1.70	1.10	<0.3	0.71	3.70	1.38	<0.3	10.70	2.20	5.60	7.40	1.10	<0.3	7.60	5.20	<0.3	2
0.1	0.42	0.03	0.01	0.01	0.12	0.03	0.06	0.01	<0.001	<0.003	0.15	<0.003	<0.003	0.01	0.02	<0.003	0.03	<0.003	<0.001	<0.003
3.3	1.90	1.00	0.85	0.95	1.70	1.10	0.91	1.30	4.20	1.7	4.60	0.56	0.90	0.81	0.84	3.90	2.00	0.54	2.50	4.6
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
39.5	49.80	61.40	58.10	75.90	63.70	65.00	91.80	63.70	118.91	96.8	38.80	431.00	33.50	60.30	57.60	40.90	35.40	38.80	44.14	76.3
2180	522.00	412.00	372.00	556.00	545.00	570.00	569.00	442.00	498.97	978	585.00	151.00	101.00	48.30	178.00	528.00	189.00	38.30	101.82	209
1.7	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	1.20	1.50	<0.9	1.4	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	1.00	1.10	<0.9	1.3
12.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	4.86	9.2	2.60	4.60	6.90	<1.0	<1.0	<1.0	1.80	<1.0	1.35	1.2
<0.8	2.60	2.50	<0.8	<0.8	<0.8	1.30	<0.8	<0.8	22.50	<0.8	4.00	50.40	3.10	41.20	53.10	<0.8	6.80	21.60	21.95	48.8
227	1100.00	36.50	419.00	45.20	105.00	55.40	23.50	172.00	617.45	2044	89.50	287.00	296.00	209.00	243.00	201.00	898.00	217.00	490.11	2102
<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	39.10	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1
131	1500.00	1700.00	2000.00	2900.00	2800.00	2800.00	2900.00	2300.00	2920.50	5606	3.90	39.00	24.00	159.00	232.00	348.00	128.00	40.40	28.64	263
2.3	5.90	13.00	4.90	4.70	4.50	6.00	5.40	<1.5	<1.5	1.6	<1.5	43.70	<1.50	3.40	<1.5	1.50	1.80	<1.5	<1.5	1.5
174	5.10	6.10	3.60	3.10	<1.1	<1.1	<1.1	<1.1	32.44	2.7	27.90	1.80	12.50	28.30	25.00	<1.1	18.30	52.10	70.24	45.8
67.3	12.10	11.90	12.20	17.10	14.20	18.50	16.50	13.20	15.26	20.2	16.70	4.40	5.20	8.10	8.20	25.10	19.30	3.00	5.86	13.7
<0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.10
7.8	7.90	7.60	7.20	7.20	7.20	7.90	7.10	8.00	7.11	7.4	8.10	7.70	7.30	7.50	7.30	7.40	7.20	8.50	6.96	7.1
2134	107.00	52.60	76.70	105.00	92.10	78.60	102.00	110.00	77.82	120	336.00	39.00	74.40	119.00	96.60	297.00	106.00	18.90	78.93	69.9
15.8	60.60	56.70	263.00	48.20	308.00	32.80	181.00	63.90	46.10	54.9	8.10	14.70	174.00	123.00	315.00	21.60	86.60	13.30	48.70	42.6
128	198.00	191.30	165.00	149.00	123.00	119.00	208.00	172.00	147.69	73.6	59.60	14.36	14.20	26.40	25.00	22.70	11.10	<1.20	66.32	6.9
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
<0.2	<0.2	<0.2	<0.2	0.40	0.21	<0.20	0.23	<0.20	0.74	<0.2	<0.2	<0.2	<0.2	<0.2	0.38	<0.2	<0.20	0.28	<0.20	0.80
<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.5	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.5	0.66
<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10
<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10
<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	0.25	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	0.27	<0.10
<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	0.50	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	0.53	<0.10
<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	0.67	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10
<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10
<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10
<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10
<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10
<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10
<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10

Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Oct-23	Jan-24	Apr-24	Jul-24	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Oct-23	Jan-24	Apr-24	Jul-24	Nov-23
9/10 (S)	9/10 (S)	9/10 (S)	9/10 (S)	9/10 (S)	9/10 (S)	9/10 (S)	9/10 (S)	9/10 (S)	9/10 (S)	9/10 (D)	9/10 (D)	9/10 (D)	9/10 (D)	9/10 (D)	9/10 (D)	9/10 (D)	9/10 (D)	9/10 (D)	9/10 (D)	RBH1
3.50	<0.01	2.80	3.50	5.00	3.80	5.20	5.40	3.97	6.3	9.50	<0.01	0.84	5.80	9.80	7.60	7.50	8.10	7.87	9.4	7.60
6.00	4.60	2.70	<0.3	0.93	<0.3	6.00	6.20	0.54	2.2	<0.3	10.20	19.00	2.10	1.20	<0.3	<0.3	0.49	0.31	<0.3	0.79
0.01	<0.003	0.00	0.01	<0.003	0.02	<0.003	0.01	0.01	0.013	0.02	11.90	17.30	2.67	1.31	1.41	0.03	0.01	0.01	0.022	<0.003
1.10	1.20	1.40	1.10	0.98	0.80	0.42	0.70	2.60	2.2	1.70	1.50	1.40	1.40	1.10	1.00	1.10	1.30	10.00	1.2	1.10
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
111.00	126.00	125.00	144.00	115.00	116.00	138.00	138.00	153.40	162	40.20	49.80	46.80	48.10	41.00	41.30	43.90	42.20	34.16	37.5	53.30
950.00	812.00	808.00	913.00	851.00	846.00	933.00	945.00	884.72	1123	2600.00	2000.00	1800.00	2600.00	1741.00	1900.00	2000.00	2000.00	1983.00	2290	455.00
<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	1.10	1.30	<0.9	1.4	1.00	1.40	1.30	2.20	2.20	<0.9	1.40	4.50	1.29	<0.9	1.10
1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5.83	10.9	8.80	<1.0	2.40	<1.0	<1.0	<1.0	<1.0	1.30	12.75	18.2	<1.0
61.90	54.20	36.10	33.70	<0.8	4.20	0.98	23.40	25.06	<0.8	10.70	6.60	4.40	16.50	7.40	4.70	16.40	20.00	<0.8	<0.8	2.20
79.30	117.00	144.00	189.00	82.40	241.00	140.00	601.00	805.84	277	<0.8	30.60	54.60	35.80	111.00	26.40	23.40	934.00	952.43	595	41.90
<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	4.50	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	7.30	<4.1	<4.1	<4.1	<4.1
216.00	1400.00	1800.00	2500.00	2100.00	1700.00	2300.00	3012.00	2571.72	4084	2000.00	1600.00	1700.00	3000.00	2000.00	2002.00	2000.00	1700.00	1161.35	1541	659.00
3.50	57.80	8.20	13.80	7.60	8.60	11.70	13.50	3.93	6.4	<1.5	20.00	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
48.20	8.10	54.80	60.30	28.60	31.30	27.10	32.90	51.56	13.1	40.60	<1.5	18.40	12.30	9.20	8.40	59.50	31.30	10.75	20.4	10.00
35.30	32.70	39.80	43.70	35.80	43.80	42.10	42.60	44.00	48.2	129.00	124.00	124.00	174.00	126.00	160.00	135.00	129.00	160.11	174	22.80
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.10	<0.1
7.70	7.60	7.20	7.10	7.10	7.60	6.90	7.70	7.06	7.2	7.90	7.90	7.60	7.40	7.50	7.60	7.20	7.60	7.50	7.5	7.80
770.00	527.00	760.00	842.00	799.00	696.00	904.00	916.00	811.06	934	7600.00	4978.00	6800.00	7200.00	7275.00	5800.00	7571.00	8542.00	1646.95	6152	1100.00
18.90	24.20	245.00	122.00	326.00	41.20	126.00	84.70	46.90	46.9	208.00	175.00	1900.00	163.00	333.00	136.00	278.00	230.00	44.30	55.2	31.80
98.50	148.13	135.00	129.00	79.30	65.80	51.90	62.90	60.06	29	317.00	341.07	283.00	522.00	295.00	289.00	287.00	361.00	288.51	497	444.00
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
<0.2	<0.2	<0.2	0.34	<0.2	<0.20	0.25	<0.20	0.72	<0.2	0.30	<0.2	<0.2	0.32	<0.2	<0.20	0.25	<0.20	0.70	<0.2	2.10
<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.5	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.5	<0.10	<0.05
<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05
<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05
<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	0.25	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	0.25	<0.10	<0.05
<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	0.47	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	0.45	<0.10	<0.05
<0.10	<0.10	0.17	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05
<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05
<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05
<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05
<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05
<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05
<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05
<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05

Dec-23	Jan-24	Feb-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Jan-22	Feb-22	Mar-22	Feb-22	Feb-22	Mar-22	Feb-22	Mar-22	Apr-22	Feb-22	Mar-22
RBH1	RBH1	RBH1	RBH1	RBH1	RBH1	RBH1	RBH1	RBH1	GW10	GW10	GW10	GW15	GW33	GW33	TM14	TM14	TM14	13N No.4	13N No.4
13.00	0.49	0.04	16.80	0.04	0.07	0.67	2.50	1.5	235.00	254.00	138.00	36.90	13.70	11.90	12.90	0.78	0.23	5.60	15.40
0.31	1.30	6.40	1.90	4.10	0.67	0.69	<0.3	<0.3	<0.3	1.00	19.20	0.64	1.00	<0.3	2.40	20.20	13.10	5.70	<0.3
<0.001	0.04	0.01	<0.003	<0.003	0.00	0.05	0.04	0.004	0.03	2.30	17.50	<0.003	0.05	<0.003	0.03	0.42	<0.003	0.15	0.00
2.30	1.40	1.60	0.90	0.54	3.00	0.33	0.30	0.2	0.35	3.00	2.00	0.40	0.44	0.33	0.42	0.37	3.40	0.76	2.30
<0.05	<0.05	<0.05	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
77.50	34.40	13.50	639.00	35.50	23.58	35.80	48.40	60.9	1200.00	945.00	475.00	343.00	387.00	343.00	519.00	489.00	455.00	556.00	1000.00
934.00	134.00	80.40	1200.00	72.40	113.83	280.00	442.00	532	3300.00	2840.00	1730.00	1560.00	546.00	404.00	801.00	674.00	764.00	418.00	155.00
<0.11	1.60	<0.9	<0.9	<0.9	<0.9	<0.9	1.20	1.8	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	1.00	<0.9	<0.9	<0.9
<1.0	1.60	<1.0	1.20	2.10	2.65	<1.0	8.50	10.8	7.90	8.00	5.50	2.90	1.80	1.40	1.20	1.30	<1.0	1.10	<1.0
<0.8	29.30	3.20	2.40	69.00	<0.8	<0.8	<0.8	<0.8	22.50	<0.8	1.90	<0.8	<0.8	2.40	3.30	39.90	25.80	<0.8	0.90
280.00	638.00	185.00	175.00	729.00	606.28	48.80	55.50	869	1400.00	1610.00	198.00	182.00	757.00	101.00	735.00	878.00	74.30	1270.00	2190.00
<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	21.30	<4.1	10.50	<4.1	<4.1	<4.1	<4.1	4.50	<4.1	<4.1	7.40
2000.00	15.30	<1.0	401.00	73.40	76.35	143.00	208.00	247	1200.00	869.00	480.00	2690.00	2050.00	1390.00	2220.00	88.70	7.70	978.00	330.00
<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	10.90	10.60	10.50	<1.5	<1.5	<1.5	11.20	19.80	13.00	<1.5	<1.5
<1.1	30.50	<1.1	27.60	64.60	29.67	481.00	240.00	87.9	11.30	2.70	6.20	28.80	101.00	123.00	31.70	1520.00	1040.00	20.00	<1.1
55.00	6.40	5.90	15.80	4.80	6.02	12.00	14.30	14.6	179.00	185.00	108.00	23.60	9.80	29.20	13.50	189.00	12.80	8.20	14.00
<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.10	<0.1	<0.1
7.60	8.30	7.70	6.80	7.20	7.36	7.10	7.60	7.4	7.50	7.90	7.80	7.20	6.90	7.00	7.40	7.20	7.60	7.40	7.80
1900.00	185.00	41.10	102.00	77.90	93.00	241.00	319.00	380	406.00	390.00	234.00	43.50	26.70	29.60	27.20	26.80	26.80	29.10	26.40
29.80	14.70	10.90	180.00	16.30	40.50	8.50	38.30	50.6	94.80	43.20	84.30	102.00	70.70	40.90	89.60	51.70	22.40	45.60	77.70
1000.00	74.90	80.40	22.90	73.90	75.30	607.00	1100.00	1032	13.10	20.60	29.10	2.50	<0.8	1.40	17.70	3.30	43.10	14.30	1.90
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	9.30	7.30	<0.1	41.50	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2.20	<0.20	0.54	1.70	1.20	0.58	<0.2	0.67	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
<0.05	<0.10	<0.05	0.76	0.84	<0.5	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.05
<0.05	<0.10	<0.05	<0.05	1.50	<0.05	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.05
<0.05	<0.10	<0.05	1.40	1.20	<0.05	<0.10	<0.10	<0.10	<0.05	<0.05	0.40	<0.05	1.20	<0.05	<0.05	<0.05	<0.10	<0.05	<0.05
<0.05	<0.10	0.60	1.90	1.40	<0.05	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.05
<0.05	<0.10	0.34	1.70	1.90	0.58	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.05
<0.05	<0.10	0.32	1.60	1.70	<0.05	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.05
<0.05	<0.10	0.43	1.90	1.60	<0.05	<0.10	<0.10	<0.10	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.05
<0.05	<0.10	0.40	<0.05	1.80	<0.05	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.05
<0.05	<0.10	<0.05	<0.05	1.40	<0.05	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.05
<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.05
<0.05	<0.10	0.44	<0.05	0.06	<0.05	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.05
<0.05	<0.10	0.35	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.05
<0.05	<0.10	<0.05	<0.05	0.17	<0.05	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.05
<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.10	<0.05	<0.05

Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	Jul-23	Oct-23	Jan-24	Apr-24	Jul-24	May-21	May-21	Jun-21	Jul-21	Aug-21
River Sample Under Bypass	River Sample Under Bypass	River Sample Under Bypass	River Sample Under Bypass	River Sample Under Bypass	River Sample Under Bypass	River Sample Under Bypass	River Sample Under Bypass	River Sample Under Bypass	River Sample Under Bypass	River Sample Under Bypass	River Sample Under Bypass	River Sample Under Bypass	River Sample Under Bypass	River Sample Under Bypass	River Sample Under Bypass	River Sample Mid A	River Sample Mid A	River Sample Mid A	River Sample Mid A	River Sample Mid A
0.21	0.52	0.48	0.16	0.24	2.70	0.12	2.10	0.24	0.47	0.51	0.14	0.11	1.80	0.38	0.29	0.25	0.07	0.22	0.19	0.13
9.50	15.50	11.20	15.80	14.00	62.60	12.10	10.00	9.60	39.20	12.30	6.70	10.50	12.80	1.16	9.0	12.70	16.50	2.60	8.00	9.70
0.21	0.33	0.45	0.11	0.11	0.06	0.17	0.05	0.08	0.11	0.03	0.12	0.03	0.05	0.02	0.052	0.19	0.06	0.17	0.22	0.13
0.93	1.40	1.40	4.30	1.10	0.71	<0.20	0.77	0.57	0.61	0.56	0.76	0.41	0.49	1.60	0.8	0.56	0.40	0.86	0.88	<0.20
<0.05	<0.05	<0.05	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.13	<0.05	<0.05
61.90	80.50	98.00	91.30	54.70	93.20	95.50	64.40	89.30	75.50	73.10	47.50	76.60	86.20	56.10	60.1	67.00	68.10	98.20	105.00	72.00
122.00	58.80	211.00	100.00	87.20	63.30	959.00	54.90	206.00	1400.00	210.00	89.60	88.20	66.60	64.39	141	73.00	<6.5	<6.5	111.00	102.00
1.10	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	0.96	1.20	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9
9.20	9.00	6.80	7.80	6.90	6.30	7.40	7.40	9.10	3.30	7.10	1.20	<1.0	<1.0	1.61	<1.0	1.70	<1.0	5.80	6.30	6.60
5.40	9.80	29.60	3.00	4.90	3.30	1.50	3.10	5.00	2.10	4.50	1.30	<0.8	<0.8	<0.8	1.7	3.20	2.50	2.10	2.10	2.20
43.40	106.00	135.00	102.00	59.80	152.00	165.00	259.00	150.00	<0.8	283.00	1200.00	108.00	220.00	321.51	251	59.90	59.30	143.00	23.90	45.60
<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	14.90	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1
2.40	53.10	38.70	46.90	4.50	2.10	<1.0	4.30	<1.0	<1.0	14.10	20.30	3.90	17.30	10.67	4.8	3.00	2.90	5.10	3.40	2.40
<1.5	3.00	6.20	5.70	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	4.20	<1.5	<1.5	<1.5	<1.5	<1.5	1.90	2.10	<1.5	<1.5	<1.5
1.80	30.20	16.00	4.20	5.10	<1.1	<1.1	1.30	18.00	8.20	<1.5	<1.1	<1.1	10.40	5.46	<1.1	<1.1	<1.1	3.90	21.40	<1.1
5.90	8.30	7.40	6.50	5.90	3.80	3.90	3.20	3.20	4.30	2.90	4.70	2.80	2.70	2.39	3.6	4.40	3.10	5.70	6.70	5.40
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.50
8.30	7.90	7.30	7.70	7.50	7.70	7.70	7.60	7.80	7.90	7.90	7.90	7.80	8.90	7.73	7.8	7.80	7.90	7.80	7.90	8.10
44.20	44.80	31.60	34.70	23.30	21.30	26.30	25.60	36.30	68.80	18.10	23.90	19.40	16.40	13.39	14.5	27.70	19.50	29.20	32.40	25.70
40.00	45.60	27.90	40.60	9.70	42.10	10.10	10.40	23.40	1.90	21.30	12.60	6.40	3.60	23.60	25.6	24.20	15.30	16.70	20.40	2.40
30.90	5100.00	30.50	40.60	24.90	25.40	25.40	18.10	14.00	24.80	10.20	22.90	13.90	9.10	12.49	20.5	18.10	11.50	27.00	29.30	21.80
<0.1	<0.1	<0.1	<0.1	<0.1	4.20	<0.1	<0.1	3.50	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.70	<0.1	<0.1	<0.1
<0.2	0.30	<0.2	<0.2	<0.2	<0.2	1.50	<0.2	<0.2	<0.2	<0.2	<0.2	0.44	<0.20	1.37	<0.2	<0.2	<0.2	<0.2	0.70	<0.2
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.5	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	1.10
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	0.56	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	0.81	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
1.00	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
0.90	0.41	<0.10	<0.10	<0.10	1.90	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	11.00	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
0.70	<0.10	<0.10	<0.10	<0.10	11.70	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05

Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	Jul-23	Oct-23	Jan-24	Apr-24	Jul-24	May-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22
River Sample – Outfall A	River Sample – Outfall A	River Sample – Outfall A	River Sample – Outfall A	River Sample – Outfall A	River Sample – Outfall A	River Sample – Outfall A	River Sample – Outfall A	River Sample – Outfall A	River Sample – Outfall A	Outfall A – Ferry Court	Outfall A – Ferry Court	Outfall A – Ferry Court	Outfall A – Ferry Court	Outfall A – Ferry Court	Outfall A – Ferry Court	Outfall A – Ferry Court	Outfall A – Ferry Court	Outfall A – Ferry Court	Outfall A – Ferry Court	Outfall A – Ferry Court
7.20	0.29	0.27	0.45	0.58	1.70	0.17	0.51	0.22	0.17	40.88	14.21	13.02	3.08	11.83	37.66	21.40	2.50	3.80	23.00	22.50
17.00	7.70	13.00	17.50	4.00	4.10	9.00	25.70	1.17	7.7	2.70	<0.3	7.20	1.50	7.20	2.60	3.40	2.90	1.90	3.20	3.20
0.24	0.10	0.07	0.17	0.03	0.06	0.02	0.04	0.02	0.034	0.07	0.02	0.39	0.14	0.51	0.20	0.30	0.09	0.33	0.55	0.18
<0.20	0.66	0.65	0.53	0.53	0.43	0.56	0.59	3.00	0.6	1.00	<0.20	0.64	1.00	0.58	0.62	0.70	0.79	0.32	23.00	0.41
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
70.10	82.10	84.60	96.70	77.70	152.00	86.30	86.70	58.12	63.4	907.00	430.00	619.00	271.00	288.00	701.00	250.00	690.00	275.00	1300.00	900.00
960.00	45.10	50.50	1100.00	168.00	197.00	56.80	49.70	8.84	83	2240.00	742.00	826.00	337.00	863.00	2820.00	983.00	2009.00	232.00	2600.00	2010.00
<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	0.92	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9
3.30	1.60	9.60	4.80	6.50	<1.0	<1.0	1.60	<1.0	<1.0	3.20	<1.0	<1.0	1.50	<1.0	1.80	<1.0	<1.0	<1.0	<1.0	1.40
2.60	2.80	7.10	6.00	4.10	<0.8	<0.8	<0.8	<0.8	<0.8	2.30	3.30	1.90	5.50	3.10	4.10	1.70	5.30	<0.8	3.00	1.00
135.00	119.00	117.00	<0.8	205.00	330.00	90.70	206.00	270.92	269	419.00	228.00	543.00	1200.00	85.30	135.00	69.60	36.40	140.00	243.00	201.00
12.50	<4.1	<4.1	<4.1	6.70	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	18.00	<4.1	<4.1	4.60	17.50	<4.1
<1.0	233.00	<1.0	<1.0	53.00	40.10	5.40	6.60	7.97	28.1	182.00	131.00	101.00	15.10	47.00	1260.00	88.50	100.00	419.00	311.00	417.00
<1.5	<1.5	<1.5	<1.5	6.90	<1.5	<1.5	<1.5	<1.5	<1.5	3.40	2.50	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
<1.1	<1.1	6.00	19.20	<1.5	3.50	<1.1	2.70	2.27	3.1	<1.1	6.30	3.80	7.80	16.30	8.50	<1.1	8.00	29.90	25.80	16.90
9.20	2.90	2.80	4.00	2.70	3.80	2.50	2.80	2.18	3.3	37.20	13.00	14.50	3.90	14.40	33.80	15.40	<0.2	6.80	28.70	25.30
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.50	<0.50	<0.50	<0.1	<0.1	<0.1	<0.1
7.50	7.30	7.80	7.80	7.80	7.20	7.60	8.80	7.69	7.8	7.40	7.30	7.40	7.40	7.40	7.70	7.80	7.90	7.40	7.30	7.30
41.90	20.00	33.10	58.90	17.30	24.50	17.30	6.70	7.46	14.7	522.00	132.00	108.00	23.80	78.90	222.00	114.00	138.00	1580.00	228.00	204.00
106.00	13.90	28.90	10.00	36.50	11.10	26.20	1.70	61.40	22.2	157.00	59.60	27.50	25.70	20.90	21.20	71.40	72.40	14.20	16.70	117.00
32.60	17.90	12.70	22.00	11.56	11.30	15.00	10.50	13.73	19.9	13.30	5.20	15.30	5.50	28.10	17.80	7.10	27.00	17.60	17.70	34.00
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.40	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.14	<0.20	0.96	<0.2	<0.2	<0.2	<0.2	<0.2	0.20	<0.2	0.60	<0.2	<0.2	<0.2	<0.2
<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.5	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	1.60	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	0.38	<0.10	<0.05	0.17	1.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	0.58	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.21	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	1.00	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	6.40	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	11.40	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	5.30	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	4.90	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	7.30	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	8.10	<0.05	<0.05	<0.05
<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	7.50	<0.05	<0.05	<0.05

Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	Jul-23	Oct-23	Jan-24	Apr-24	Jul-24	May-21	May-21
Outfall A – Ferry Court	Outfall A – Ferry Court	Outfall A – Ferry Court	Outfall A – Ferry Court	Outfall A – Ferry Court	Outfall A – Ferry Court	Outfall A – Ferry Court	Outfall A – Ferry Court	Outfall A – Ferry Court	Outfall A – Ferry Court	Outfall A – Ferry Court	Outfall A – Ferry Court	Outfall A – Ferry Court	Outfall A – Ferry Court	Outfall A – Ferry Court	Outfall A – Ferry Court	Outfall A – Ferry Court	Outfall A – Ferry Court	Outfall A – Ferry Court	River Under Rail Bridge	River Under Rail Bridge
48.10	3.60	7.20	9.30	15.60	5.00	12.50	9.50	27.20	22.40	17.80	3.30	1.40	14.50	0.26	16.60	52.50	13.19	2.5	0.32	0.15
3.10	3.90	5.30	3.40	8.20	0.53	4.90	5.20	23.40	5.50	2.90	13.10	6.30	4.60	5.70	4.10	4.10	0.86	5.2	10.90	2.20
0.10	0.07	0.12	0.12	0.16	1.00	0.38	0.09	0.05	0.05	0.03	0.21	0.08	0.06	0.03	0.05	<0.003	0.02	0.083	0.17	0.05
0.58	0.27	1.00	2.60	0.84	0.81	1.40	1.50	0.56	<0.20	0.80	0.33	0.21	0.48	0.72	0.67	0.47	2.30	0.6	0.45	0.34
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
644.00	137.00	138.00	469.00	414.00	238.00	483.00	317.00	705.00	622.00	661.00	420.00	376.00	918.00	44.40	685.00	807.00	788.69	153	61.50	58.40
2200.00	329.00	458.00	1070.00	544.00	582.00	1300.00	1000.00	1800.00	2000.00	1500.00	721.00	721.00	1700.00	175.00	1400.00	1400.00	1168.28	384	28.40	<6.5
<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	1.80	<0.9	1.7	<0.9	<0.9
2.70	1.80	9.80	<1.0	5.80	2.30	2.40	4.70	2.10	1.40	1.50	2.80	<1.0	<1.0	2.30	<1.0	<1.0	1.63	1.2	1.90	<1.0
4.50	6.40	13.70	2.60	12.20	32.60	2.30	5.30	4.00	2.40	3.00	11.40	4.40	2.50	2.60	<0.8	<0.8	<0.8	1.3	3.20	3.30
34.20	478.00	396.00	1100.00	2900.00	2400.00	251.00	47.30	6.90	6.30	236.00	5.40	135.00	430.00	2500.00	120.00	2800.00	6918.26	366	65.70	66.30
5.10	<4.1	<4.1	<4.1	<4.1	9.80	<4.1	<4.1	9.60	10.60	<4.1	<4.1	<4.1	7.00	<4.1	9.20	<4.1	<4.1	<4.1	<4.1	<4.1
394.00	39.50	396.00	134.00	111.00	226.00	131.00	57.00	166.00	113.00	200.00	172.00	48.40	377.00	92.00	23.50	507.00	473.70	44	5.30	2.50
<1.5	<1.5	<1.5	<1.5	<1.5	3.10	2.80	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	11.20	<1.5	<1.5	<1.5	<1.5	<1.5	1.80	2.40
30.10	40.40	31.20	5.10	29.60	30.80	1.80	13.90	<1.1	<1.1	<1.1	107.00	17.10	<1.5	<1.1	54.90	10.30	42.13	8.8	<1.1	<1.1
246.00	3.40	5.60	12.20	5.90	6.40	15.70	16.90	24.30	23.10	19.70	7.00	2.30	18.40	2.90	19.10	15.50	16.37	7.2	4.00	2.60
<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.10	<0.1	<0.1
7.40	7.80	7.70	7.60	7.70	7.50	7.70	7.50	7.50	7.70	7.30	7.50	7.80	7.60	7.60	7.10	8.10	7.20	7.8	7.70	7.70
455.00	46.10	79.70	99.40	72.60	54.50	114.00	95.80	183.00	155.00	150.00	431.00	100.00	148.00	10.30	131.00	113.00	108.97	69.4	30.80	24.90
40.70	21.60	41.70	30.60	30.70	44.40	29.60	<0.2	27.30	244.00	153.00	56.70	28.60	147.00	22.50	140.00	108.00	40.00	50.3	20.80	17.60
22.10	4.40	0.90	2.30	1180.00	11.50	38.40	17.90	41.40	49.10	29.60	31.10	7.90	20.35	13.00	27.90	27.70	17.29	29.6	16.10	11.10
13.60	<0.1	<0.1	<0.1	7.00	<0.1	<0.1	<0.1	<0.1	<0.1	2.50	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
<0.2	<0.2	<0.2	0.30	0.40	<0.2	<0.2	<0.2	0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.07	<0.20	0.86	<0.2	<0.2	<0.2
<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.5	<0.10	<0.05	<0.05
<0.05	<0.10	<0.10	2.60	1.90	<0.10	<0.10	<0.10	1.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05
<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05
<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	0.27	<0.10	<0.05	<0.05
<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	0.59	<0.10	<0.05	<0.05
<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	0.53
<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05
<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05
<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05
<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05
<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05
<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05
<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05
<0.05	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10	<0.05	<0.05

Ferry Road Landfill

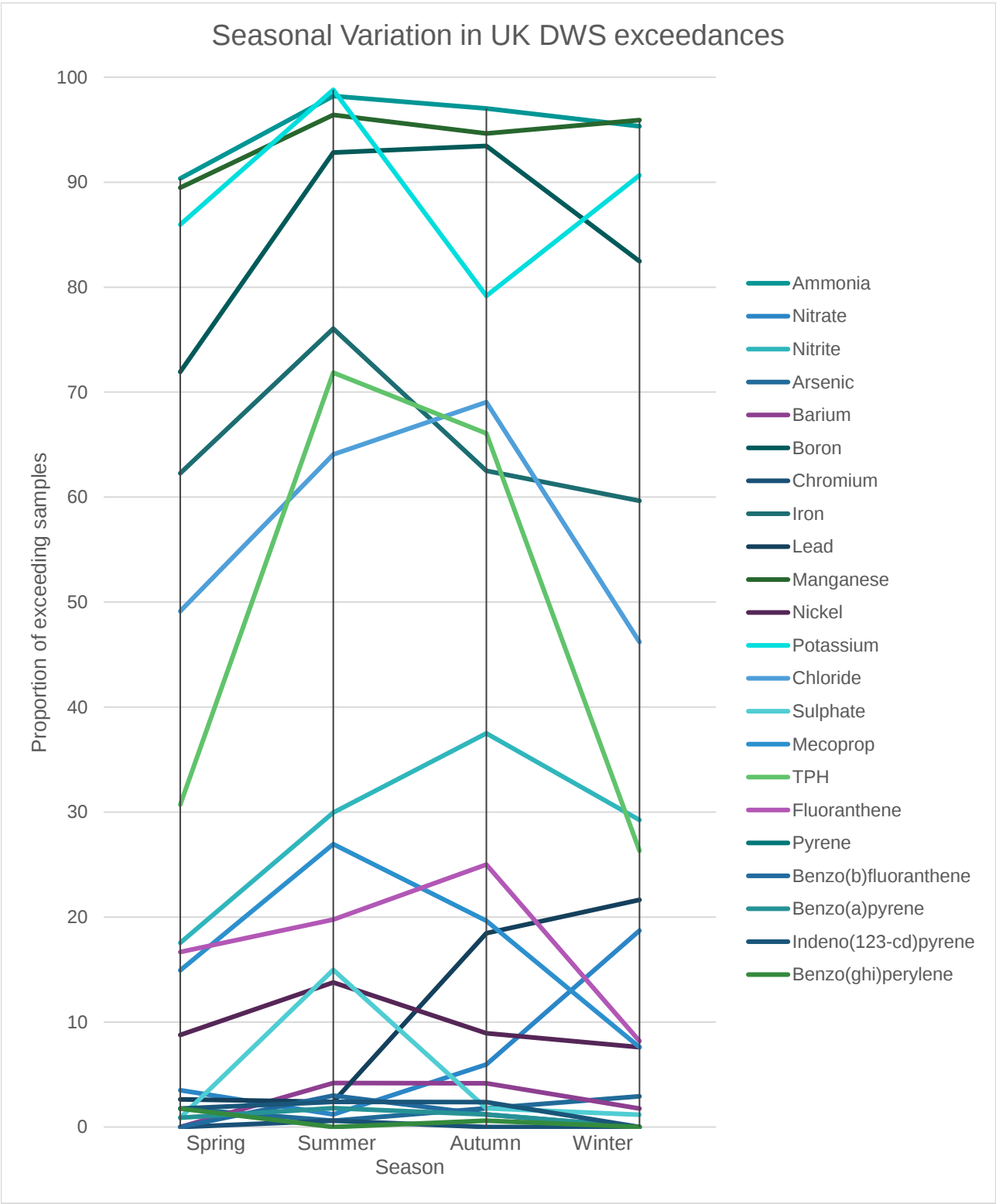
Mar-23	Apr-23	Jul-23	Oct-23	Jan-24	Apr-24	Jul-24
River Under Rail Bridge	River Under Rail Bridge	River Under Rail Bridge	River Under Rail Bridge	River Under Rail Bridge	River Under Rail Bridge	River Under Rail Bridge
1.10	0.82	0.18	0.10	0.31	0.20	0.62
20.90	4.40	7.70	10.10	17.60	1.70	7.5
0.25	0.05	0.05	0.01	0.03	0.01	0.036
0.46	0.47	0.68	0.55	0.47	1.90	0.8
<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
97.10	74.60	62.40	85.30	85.70	92.67	61.6
1100.00	150.00	20.20	41.20	34.00	40.17	85.1
<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9
6.10	11.70	<1.0	<1.0	<1.0	<1.0	<1.0
4.10	4.80	34.10	<0.8	<0.8	28.29	3.1
<0.8	196.00	206.00	93.80	210.00	231.92	231
<4.1	<4.1	<4.1	9.30	<4.1	<4.1	<4.1
<1.0	10.00	15.50	3.10	7.30	11.68	11.7
<1.5	6.20	1.80	<1.5	<1.5	<1.5	<1.5
22.60	<1.5	34.30	<1.1	6.30	79.04	3.1
4.20	2.90	2.90	2.50	2.60	2.20	3.7
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.10
7.90	8.00	7.50	7.70	8.80	7.74	7.7
63.40	18.80	10.90	17.20	3.40	11.55	15.6
1.40	19.60	23.50	41.50	0.50	102.00	23.4
21.80	11.44	16.20	14.40	12.10	56.05	19.6
<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
<0.2	<0.2	<0.2	0.11	<0.20	0.90	<0.2
<0.10	<0.10	<0.05	<0.05	<0.10	<0.5	<0.10
<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10
<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10
<0.10	<0.10	<0.05	<0.05	<0.10	0.36	<0.10
<0.10	<0.10	<0.05	<0.05	<0.10	0.54	<0.10
<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10
<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10
<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10
<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10
<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10
<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10
<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10
<0.10	<0.10	<0.05	<0.05	<0.10	<0.05	<0.10

Surface Water Screening

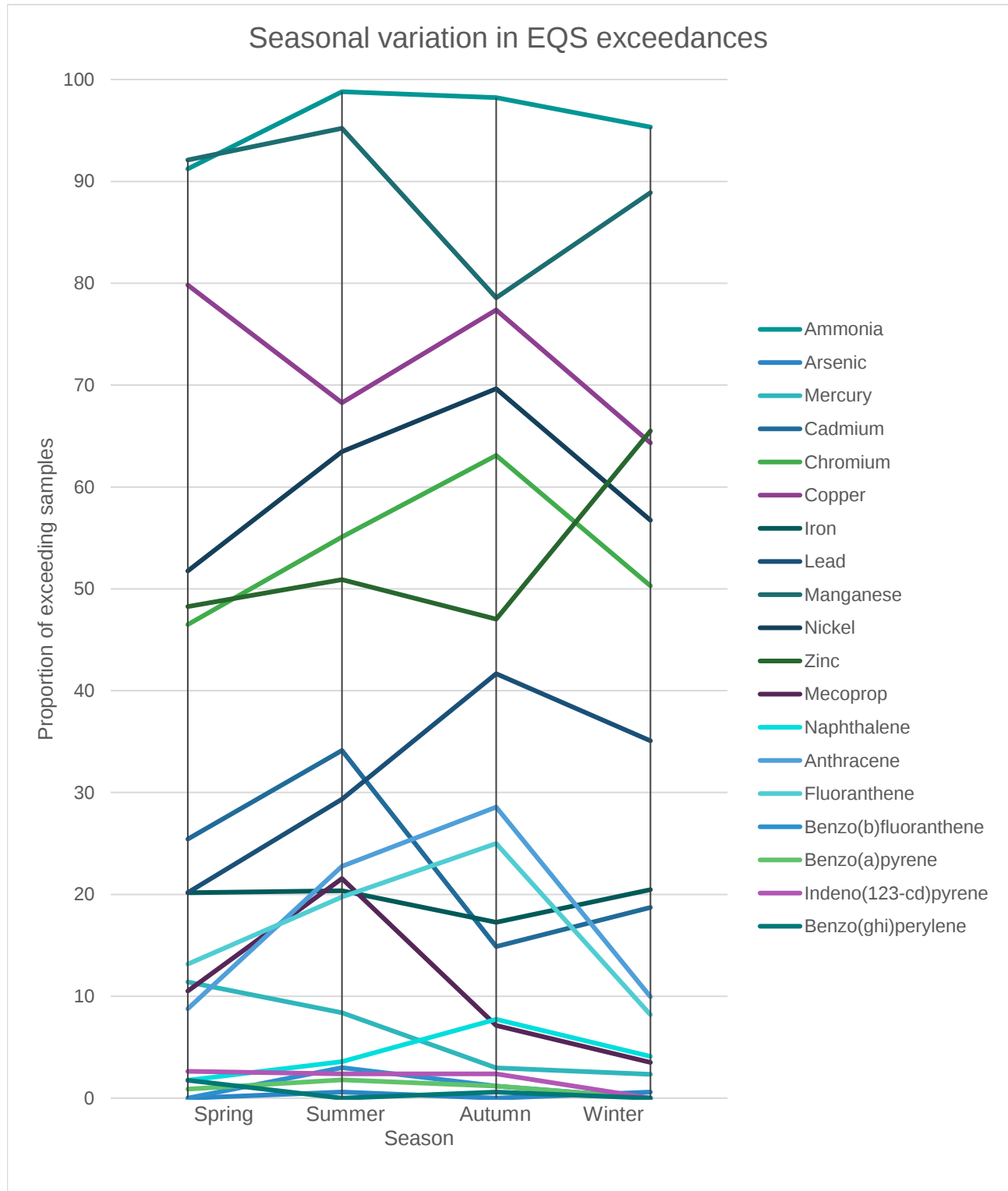
B. Monitoring locations

C. Graphical results

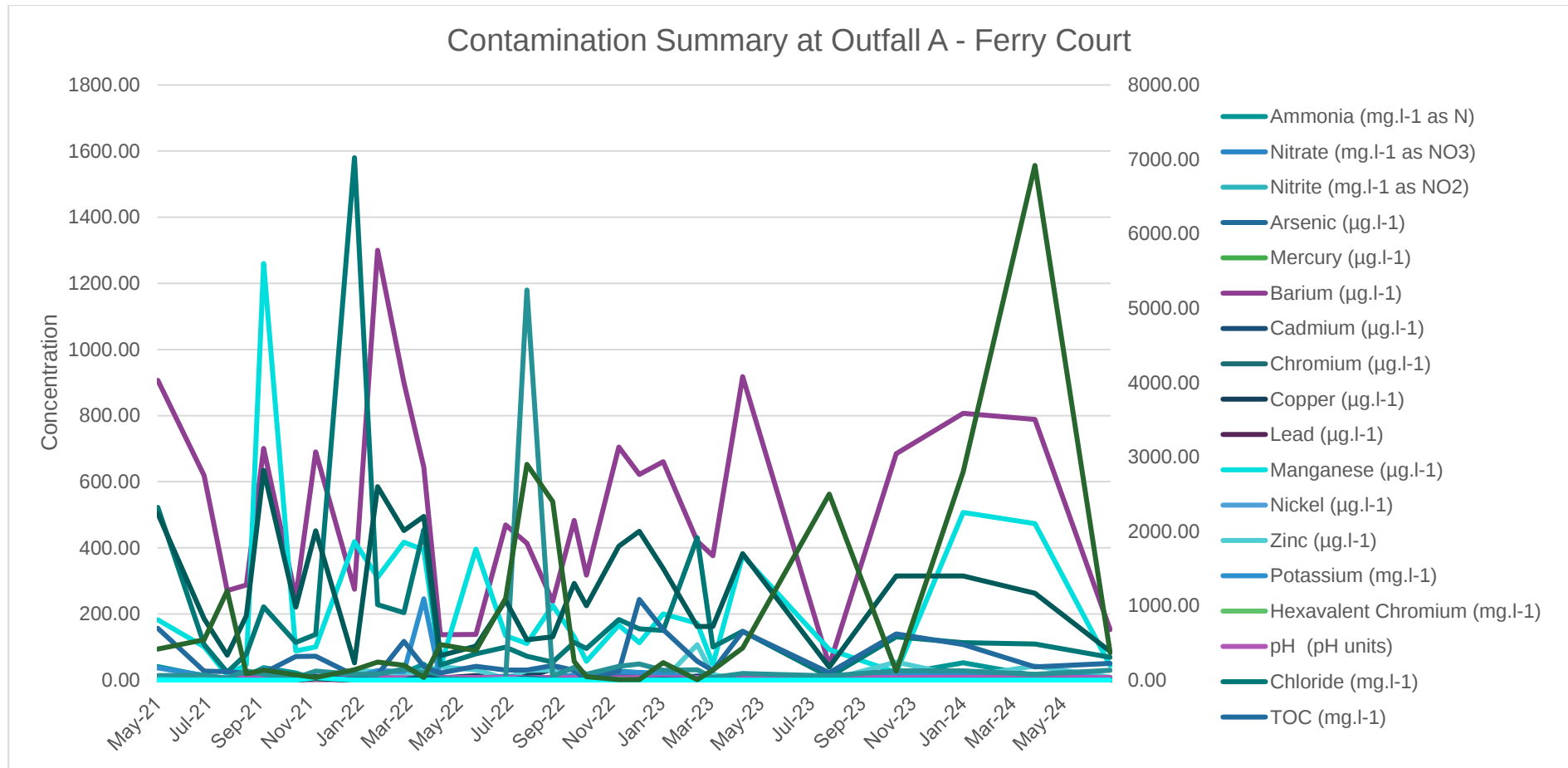
C.1 Seasonal variation in UK DWS exceedances



C.2 Seasonal variation in EQS exceedances



C.3 Contamination Summary at Outfall A – Ferry Court



Note, boron and iron are mapped on the secondary axis

C.4 Average leachate head

