

**Table 6.0**  
**CDA Residential TPHCWG BTEX**

Reporting limit greater than GSAC  
Exceeds GSAC  
Detected Above Reporting Limit (No GSAC)

No. of Samples	34	34	34	34	34	34
Min	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
Mean	-	-	-	-	-	-
Max	0.03	<0.2	0.6	<0.2	<0.2	<0.2
No. detected	2	0	2	0	0	0
Assess Criteria	0.054	42	19		19	92
No. Exceeding	0	0	0		0	0

Exp. Pt.	Depth	Material Type	Comments	Rationale	Benzene	Ethyl Benzene	m & p-Xylene	MTBE	o-Xylene	Toluene
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
BGAWS04	0.3	MGT2B		Burning ground	0.03	<0.1	<0.1	<0.1	<0.1	<0.1
BGAWS03	0.1	MGT2B		Burning ground	0.02	<0.1	<0.1	<0.1	<0.1	<0.1
BGAWS05	0.3	MGT2B		Burning ground	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
BGATP01	0.5	MGT1A		Burning ground	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
BGATP02	0.3	MGT2B		Burning ground	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
BGATP03	0.4	MGT2B		Burning ground	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2124	0.1	MGT1B	clinker	Acids Buildings	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2125	0.3	MGT2B	clinker	AST ammonia	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2127	0.5	LPF	RWN	AST acid	<0.04	<0.2	<0.2	<0.2	<0.2	<0.2
TP2159	0.1	MGT2A		AST acid	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2176	0.4	MGT1A		Substation CDA	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2143	0.1	MGT1A		Substation CDA	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2178	0.9	MGT1A		Substation CDA	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2115	0.4	KF		Acids	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2140	1.1	MGT2A		Substation CDA	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2145	1	MGT1A	HC contam	Substation CDA	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2146	1	LPF		Substation CDA	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2147	1.1	MGT1A	HC contam	Substation CDA	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2287	0.6	MGT2A		AST solvent	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2316	0.2	MGT2B	clinker	Road	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2306	0.7	WTF		Substation CDA	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2311	0.3	MGT2A	blaes	AST hydrogen peroxide	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2285	0.1	MGT1A	blaes	AST solvent	<0.02	<0.1	0.2	<0.1	<0.1	<0.1
TP2016	0.6	MGT2A		AST EA	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2025	0.9	MGT1A		Substation CDA	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2026	1	MGT2A	HC odour	Substation CDA	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2029	0.2	MGT2A		Substation CDA	<0.04	<0.2	<0.2	<0.2	<0.2	<0.2
TP2596	1.8	LPF		AST fuel delineation	<0.02	<0.1	0.6	<0.1	<0.1	<0.1
TP2600	1.5	MGT2A	ash	Mineral workings HC delineation	<0.04	<0.2	<0.2	<0.2	<0.2	<0.2
TP2628	2	MGT1A	Slight HC odour	HC contamination	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2630	1.8	WTF		HC contamination	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2630	2.2	WTF	HC Odour	HC contamination	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP3128	0.5	MGT2A	mild HC odour	Ammonium Perchlorate	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP3128	1.2	MGT1A	mild HC odour	Ammonium Perchlorate	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1

**Table 6.1**  
**CDA ROS TPHCWG BTEX**

Reporting limit greater than GSAC  
 Exceeds GSAC  
 Detected Above Reporting Limit (No GSAC)

No. of Samples	21	21	21	21	21	21
Min	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
Mean	-	-	-	-	-	-
Max	0.05	0.1	0.7	<0.2	0.3	3.6
No. detected	1	1	1	0	1	1
Assess Criteria	55	18000	29000		29000	42000
No. Exceeding	0	0	0		0	0

Exp. Pt.	Depth	Material Type	Comments	Rationale	Benzene	Ethyl Benzene	m & p-Xylene	MTBE	o-Xylene	Toluene
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
BGAWS06	0.1	MGT2B		Burning ground	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
BGAWS06	0.7	MGT2B		Burning ground	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
BGATP04	0.1	MGT1B		Burning ground	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2173	0.15	MGT1A		Substation CDA	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2138	0.4	MGT2A		Substation CDA	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2180	0.2	MGT1A		Substation CDA	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2181	0.8	MGT1A		Substation CDA	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2153	1	MGT1A	glass	Substation CDA	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2149	2.1	MGT1A	HC odour	Substation CDA	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2336	0.2	MGT1A	ceramic	HC contamination	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2618	1.5	MGT1B	brick	Laundry	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2609	1	MGT2A	ash	Substation CDA	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2612	1.5	MGT1A	bricks	Substation CDA	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2632	1	MGT1A	bricks	HC contamination	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2633	0.5	MGT1A	bricks	HC contamination	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2021	1	MGT2B		AST mixed acid	0.05	0.1	0.7	<0.1	0.3	3.6
TP2035	0.9	MGT1A	HC vis/odour	Substation CDA	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2215	0.4	MGT2A		Substation CDA	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2599	0.7	MGT2B	ash	Misc open ground	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2448	1	MGT2A	ash	Substation CDA	<0.04	<0.2	<0.2	<0.2	<0.2	<0.2
TP2459	1	MGT2A	concrete + ash/clinker	AST acid	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1

**Table 6.2**  
**CDA Commercial TPHCWG BTEX**

Reporting limit greater than GSAC  
Exceeds GSAC  
Detected Above Reporting Limit (No GSAC)

No. of Samples	8	8	8	8	8	8
Min	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
Mean	0.03	-	-	-	-	-
Max	0.08	<0.2	<0.2	<0.2	<0.2	<0.2
No. detected	2	0	0	0	0	0
Assess Criteria	15	9600	34000		34000	35000
No. Exceeding	0	0	0		0	0

Exp. Pt.	Depth	Material Type	Comments	Rationale	Benzene	Ethyl Benzene	m & p-Xylene	MTBE	o-Xylene	Toluene
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
TP2310	0.7	MGT2A	ceramic	UST Fuel delineation	<0.04	<0.2	<0.2	<0.2	<0.2	<0.2
TP2335	0.5	MGT3	ceramic	HC contamination	<0.04	<0.2	<0.2	<0.2	<0.2	<0.2
TP2337	0.5	MGT2B		HC contamination	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2338	0.2	MGT2B	brick	HC contamination	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2458	0.3	MGT2B	ash	AST Fuel delineation	0.03	<0.1	<0.1	<0.1	<0.1	<0.1
TP2471	0.9	MGT1A	oily sheen	HC contamination	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2472	0.5	MGT2B	ash	HC contamination	0.08	<0.1	<0.1	<0.1	<0.1	<0.1
TP2438	0.7	WTF		Substation CDA	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1

**Table 6.3**  
**ROS TPHCWG BTEX**

Reporting limit greater than GSAC  
Exceeds GSAC  
Detected Above Reporting Limit (No GSAC)

No. of Samples	32	32	32	32	32	32
Min	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
Mean	0.03	-	0.1	-	0.1	0.1
Max	0.09	<0.4	0.4	<0.4	0.2	0.1
No. detected	4	0	4	0	2	1
Assess Criteria	55	18000	29000		29000	42000
No. Exceeding	0	0	0		0	0

Exp. Pt.	Depth	Material Type	Comments	Rationale	Benzene	Ethyl Benzene	m & p-Xylene	MTBE	o-Xylene	Toluene
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
BGAWS01	0.1	MGT2B		Burning ground	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
BGAWS01	0.5	MGT2B		Burning ground	0.04	<0.1	0.1	<0.1	<0.1	<0.1
BGAWS02	0.3	MGT2B		Burning ground	<0.04	<0.2	<0.2	<0.2	<0.2	<0.2
TP2396	0.6	MGT1A	organic odour	Substation ROS	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2382	0.5	MGT1A		AST Acetone	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2447	2	MGT2A	pocket of ash	Substation CDA	<0.04	<0.2	<0.2	<0.2	<0.2	<0.2
TP2475	0.5	MGT2A	clinker	HC contamination	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2474	0.5	MGT2A	brick	HC contamination	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2476	0.6	MGT1A	brick	HC contamination	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2524	0.7	MGT1A	brick and conc	HC contamination	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2525	0.5	MGT1B	brick and conc	HC contamination	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2526	0.2	MGT2A	ash	HC contamination	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2527	0.5	MGT1B	brick and conc	HC contamination	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2582	1.1	LPF		HC contamination	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2523	0.2	MGT2B	ash	HC contamination	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2576	1.1	MGT1A	Slight HC odour	HC contamination	<0.02	<0.1	0.4	<0.1	<0.1	<0.1
TP2577	0.6	MGT1A	Old topsoil	HC contamination	<0.04	<0.2	<0.2	<0.2	<0.2	<0.2
TP2522	0.4	MGT2B	ash	HC contamination	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2521	0.8	WTF		HC contamination	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2498	0.2	MGT1A	roof felt ASBESTOS	Substation ROS	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2579	0.5	MGT2A	Brick	HC contamination	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2056	1.5	MGT1A	slight hydrocarbon smell	Substation ROS	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP2700	0.35	MGT1A	HC odour	Devices Georgetown	0.05	<0.1	0.2	<0.1	0.2	<0.1
TP2700	0.35	MGT1A	HC odour	Devices Georgetown	0.09	<0.1	0.2	<0.1	0.2	<0.1
TP3164	0.3	MGT2B	slight HC odour	HC Contamination	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP3164	1.1	LPF	strong HC odour	HC Contamination	<0.04	<0.2	<0.2	<0.2	<0.2	<0.2
TP3164	1.1	LPF		HC Contamination	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
TP3199	0.1	MGT2B	ash	Ash	0.04	<0.1	<0.1	<0.1	<0.1	0.1
HA2450	0.55	MGT1B		Substation ROS	<0.08	<0.4	<0.4	<0.4	<0.4	<0.4
HA2463	0.42	WTF		Substation ROS	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1
HA2464	0.55	MGT2A	Brick	Substation ROS	<0.04	<0.2	<0.2	<0.2	<0.2	<0.2
HA3171	0.45	MGT2A	Rare clinker/ash	AST Acid	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1

**Table 6.4**  
**RL TPHCWG BTEX**

Reporting limit greater than GSAC  
Exceeds GSAC  
Detected Above Reporting Limit (No GSAC)

No. of Samples	1	1	1	1	1	1
Min	0.02	0.1	0.1	0.1	0.1	0.1
Mean	-	-	-	-	-	-
Max	0.02	0.1	0.1	0.1	0.1	0.1
No. detected	0	0	0	0	0	0
Assess Criteria	15	9600	34000		34000	35000
No. Exceeding	0	0	0		0	0

Exp. Pt.	Depth	Material Type	Comments	Rationale	Benzene	Ethyl Benzene	m & p-Xylene	MTBE	o-Xylene	Toluene
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
TP2706	1.4	LPF	HC odour	TP2706	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1