Job Number: 5E0674

Client: Sinclair Knight Merz

Reference: EN01669

Project: MACDONALDTOWN

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	Lab No	E179645 MW41D	E179647 MW38D		
Analyte	Sample Id	7.0m	2-2.45m		_ notine
	PQL		ing and a		
E1290 Volatile Organic Compound	ls in Soil			ling on a	etsen 6 neze
Benzene	0.5	nd	nd		0.4111
Bromobenzene	1	nd	nd nd		mmeah
Bromochloromethane	1	nd	nd		KULMO1
Bromodichloromethane	1	nd	nd		THE PERSON
Bromoform	1	nd l	nd		lejk
Bromomethane	1	nd	nd		in a selio
n-Butylbenzene		nd	nd		51
sec-Butylbenzene	1	nd	nd	took at vic	min 0221.0
tert-Butylbenzene	1	nd	nd nd		45004
Carbon tetrachloride	1	nd	nd		
Chlorobenzene	1	nd	nd		
Chloroethane	1	nd	nd		
Chloroform	1	nd	nd		
Chloromethane	1	nd	nd	153	
2-Chlorotoluene	1	nd	nd		
4-Chlorotoluene	1	nd	nd		
Dibromochloromethane		nd	nd		
1.2-Dibromo-3-chloropropane		nd	nd		
1.2-Dibromoethane (EDB)	1	nd	nd		
Dibromomethane	1	nd	nd		
1.2-Dichlorobenzene	1	nd	nd		
1.3-Dichlorobenzene	1	nd	nd		
1.4-Dichlorobenzene	1	nd	nd		
Dichlorodifluoromethane	1	nd	nd		

PQL = Practical Quantitation Limit LNR = Samples Listed not Received nd = < PQL -- = Not Applicable

Soils Waters Leachates

tion Limit
of Received

Soils
Waters
Leachates

Refer to Amdel standard laboratory qualifier codes in Limit

Soils

mg/kg (ppm) dry weight unless otherwise specified in Method Header

mg/L (ppm) in leachate unless otherwise specified in Method Header

Method Header



Job Number: 5E0674

Client: Sinclair Knight Merz

Reference: EN01669

Project: MACDONALDTOWN

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	Lab No	E179645	E179647			
	No. of the last	MW41D	MW38D	Transa usus		
Analyte	Sample Id	7.0m	2-2.45m			Aug.
	PQL		w£			
1.1-Dichloroethene	1	nd	nd		basis	
1.2-Dichloroethane	1	nd	nd			indida Ne
1.1-Dichloroethane	1	nd	nd			Saftware Aut.
cis-1.2-Dichloroethene	100	nd	nd		želi (tema	gyttaleit
trans-1.2-Dichloroethene	1	nd	nd		4/8899	audilyea.
1.2-Dichloropropane	1	nd	nd	X	orizona) k	isma (Li
1.3-Dichloropropane	ha 1-	nd	nd		-erex, culti-	
2.2-Dichloropropane	1	nd	nd			lagrains ly
1.1-Dichloropropylene	1	nd	nd			Sulf-X a
cis-1.3-Dichloropropylene	1	nd	nd		2 2 0 /17/2	minel to ex
trans-1.3-Dichloropropylene	1	nd	nd	· Harry	AUI 72/steet	AT THE UP AT
Ethylbenzene	1	nd	nd		BIT A DESIGN	Padama
Hexachlorobutadiene	1 92 1	nd nd	nd	Eskubel	AW - preside	garlfours
Isopropylbenzene	1	nd	nd			
p-Isopropyltoluene	1	nd	nd			
Methylene chloride	1	nd	nd			
Naphthalene	1	nd	nd			
n-Propylbenzene	1	nd	nd			
Styrene	1	nd	nd	· · · · · · · · · · · · · · · · · · ·		
1.1.1.2-Tetrachloroethane	1	nd	nd			
1.1.2.2-Tetrachloroethane	1	nd	nd			
Tetrachloroethene	1	nd	nd			
Toluene	1	nd	nd			
1.2.3-Trichlorobenzene	1	nd	nd			
1.2.4-Trichlorobenzene	1	nd	nd			

PQL = Practical Quantitation Limit LNR = Samples Listed not Received nd = < PQL -- = Not Applicable

tion Limit

Soils

mg/kg (ppm) dry weight unless otherwise specified

Waters

Leachates

mg/L (ppm) unless otherwise specified in Method Header

img/L (ppm) in leachate unless otherwise specified in

Method Header

Refer to Amdel standard laboratory qualifier codes for comments.

Job Number: 5E0674

Client: Sinclair Knight Merz

Reference: EN01669

Project: MACDONALDTOWN

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	Lab No	E179645	E179647		
	9837970	MW41D	MW38D		
Analyte	Sample Id	7.0m	2-2.45m		- Toglassis
	PQL		aigh stage		
1.1.1-Trichloroethane	1	nd l	nd	900	ASSESSMENT OF
1.1.2-Trichloroethane	1	ht nd	nd	3,05	postifist.
Trichloroethene	1	nd	nd	SING.	recouldad-
Trichlorofluoromethane	1	nd	nd	unstre	miture for
1.2.3-Trichloropropane	1	nd nd	nd	anathante	dell'il bajo
1.2.4-Trimethylbenzene	Am - 1	nd nd	nd	= F Shedo	nggroon kalak
1.3.5-Trimethylbenzene	1	nd	nd	70.00	sprintel en
Vinyl chloride	1	nd nd	nd	3 0000	ni&mfalmi3
ortho-Xylene	1	nd nd	nd	The second second	akamidalu.
meta- & para-Xylene	2	nd	nd	anologome	iškojO, E, L
Pentafluor obenzene-SURROGATE	1	96%	98%	etynt enebal	fagtist. JKa
Toluene-D8-SURROGATE	1	102%	97%		literation of the
4-Bromofluorobenzene-SURROGATE	Ī	98%	99%	208103	adendizitis
		NA STATE		. 201	Squad opens
	WE	HE.		edite.	lation substitution
		500 III		99	renalisativa gradinana
		98			e suem
				September	MARKET,
					News (gents)
				luja-p. St.	theaver in

PQL = Practical Quantitation Limit LNR = Samples Listed not Received nd = < PQL -- = Not Applicable

Soils Waters Leachates

tion Limit
of Received

Soils
Waters
Leachates

Refer to Amdel standard laboratory qualifier codes

Soils
Img/kg (ppm) dry weight unless otherwise specified
Img/L (ppm) unless otherwise specified in Method Header
Img/L (ppm) in leachate unless otherwise specified in Method Header
Img/L (ppm) in leachate unless otherwise specified in Method Header

# (j) amdel

Job Number: 5E0674 Client: Sinclair Knight Merz

Reference: EN01669

Project: MACDONALDTOWN

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	Lab No	E179645	E179647		
	Tour la	MW41D	MW38D		
Analyte	Sample Id	7.0m	2-2.45m		Laboration
	PQL		130		
E1180 Semivolatile Organic Comp	oounds	1		L.eufatal	Late Committee
Phenol	1	nd	nd	- mla	encontration.
Aniline	10	nd	nd		
Bis(2-chloroethyl) ether	1	nd	nd	dans no	Edding!
2-Chlorophenol	1	nd	nd	1 3-1	
1.3-Dichlorobenzene	1	nd nd	nd	sastu	treoniguo d
1.4-Dichlorobenzene	1	nd	nd		office 119
1.2-Dichlorobenzene	1	nd	nd	- II must	Ulfre built agr
Benzyl Alcohol	1	nd	nd		delement.
2-Methylphenol	1	nd	nd		r Obenizola cen
N-Nitrosodi-n-propylamine	1	nd	nd		multiga sui?
Bis(2-chloroisopropyl) ether	1	nd	nd		-mal piness
3 and 4-Methyl phenol	1	nd	nd	Nei Nei	densemble
Hexachloroethane	1	nd	nd		ond the DP
Nitrobenzene	1	nd	nd		bran out t
Isophorone	1	nd	nd		akerbila berba
2-Nitrophenol	1	nd	nd		2.000000
2.4-Dimethylphenol	1	nd	nd	selle réssue	e kartuo valu"
Bis(2-chloroethoxy) methane	1	nd	nd		distant
Benzoic Acid	10	nd	nd	o contra al for	Committee
2.4-Dichlorophenol	1	nd	nd		Side and the
1.2.4-Trichlorobenzene	1	nd	nd	sarpistya	e art Sue Co
Naphthalene	1	nd	nd		THE DES
4-Chloroaniline	1	nd	nd	n And Brown Inc.	u wizawii
Hexachlorobutadiene	1	nd	nd	n - quiby	un einer i rushix

PQL = Practical Quantitation Limit LNR = Samples Listed not Received nd = < PQL -- = Not Applicable

Soils Waters Leachates

: mg/kg (ppm) dry weight unless otherwise specified : mg/L (ppm) unless otherwise specified in Method Header : mg/L (ppm) in leachate unless otherwise specified in Method Header

Refer to Amdel standard laboratory qualifier codes for comments.

Job Number: 5E0674

Client: Sinclair Knight Merz

Reference: EN01669

Project: MACDONALDTOWN

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	Lab No	E179645	E179647			
	10007070	MW41D	MW38D			
Analyte	Sample Id	7.0m	2-2.45m			MW (fax)
	PQL					
4-Chloro-3-methylphenol	1	nd	nd	programmed) at	elligilə Olygna	hand die sa
2-Methylnaphthalene	1	nd	nd			La late
Hexachlorocyclopentadiene	1	nd	nd			50[0
2.4.6-Trichlorophenol	1	nd	nd		()	loctation 2)
2.4.5-Trichlorophenol	1	nd	nd			orno dun solici
2-Chloronaphthalene		g nd	nd		Role	
2-Nitroaniline	1	nd	nd			of prul libit ()
Dimethyl phthalate	1	nd	nd		h mar	tais all in Vie
2.6-Dinitrotoluene	1	nd	nd			ganiy jiya
Acenaphthylene	n 1	nd	nd		- 4	
3-Nitroaniline	ш 1.	nd	nd		emedado	a de la santa de la
Acenaphthene	1	nd	nd		iárlá (lesan	almolds En
2.4-Dinitrophenol	1	nd	nd		lit/badej	MENNY LIN
4-Nitrophenol	1	nd	nd		10	Daniar dana
Dibenzofuran	1	nd	nd			Artour other Con-
Diethyl phthalate	1	nd	nd			aggreede
Fluorene	1	nd	nd			Lore (ga 11)?
4-Chlorophenyl phenyl ether		nd	nd		- I Imm	dutebum(Ge)
4-Nitroaniline	1	nd	nd		sell thin 1986	e 2-uli loresti
4.6-Dinitro-2-methylphenol	1	nd	nd	224-14		REA BILLIA
Azobenzene	10	nd	nd		- John	
N-Nitrosodiphenylamine	10	nd	nd		- name 2	de dayan ba
а-ВНС	1	nd	nd .			a shuitifin
4-Bromophenyl phenyl ether	1	nd	nd			illus emili
Hexachlorobenzene	1	nd	nd		s.mrin	pludmotylensa

PQL = Practical Quantitation Limit LNR = Samples Listed not Received nd = < PQL --- Not Applicable

tion Limit
ot Received

Waters
Leachates

Refer to Amdel standard laboratory qualifier codes for comments.

Soils
: mg/kg (ppm) dry weight unless otherwise specified
: mg/L (ppm) unless otherwise specified in Method Header
: mg/L (ppm) in leachate unless otherwise specified in Method Header

Job Number: 5E0674

Client: Sinclair Knight Merz

Reference: EN01669

Project: MACDONALDTOWN

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	Lab No	E179645	E179647		
	green)	MW41D	MW38D		
Analyte	Sample Id	7.0m	2-2.45m	1 = = = = = = = = = = = = = = = = = = =	Barlym A
	PQL		irina Paril		
b-BHC	1	nd	nd	la radionite e sav	ential ex-Syr
Pentachlorophenol	1	nd	nd	1000	minutes) its
g-BHC	1	nd	nd	e jenší fil	skaffante (e
Phenanthrene	1	nd nd	nd	n.edani	ng#Crail
Anthracene	1	nd	nd		Southboard
d-BHC	1	nd	nd	samo saule	irt frank
Heptachlor	1	nd	nd	s navijani	med cismits
Di-n-butyl phthalate	1	nd	nd	angé n	ell du rêde
Aldrin	1	nd	nd	an saxka süelk	master same
Heptachlor epoxide	1	nd nd	nd	21 2010013	DESTRUCTION
Fluoranthene	1	nd	nd	- ETA DOMEUK AU	anestroup es
Pyrene	1	nd nd	nd	gita miifitsiya	deidemill
Endosulfan 1	1)	nd nd	nd	Works History and the	risumzel 4
4.4-DDE	(4) (30) <b>1</b> (1)	nd	nd	gate tiblighter fi	Parameter T
Dieldrin	1	nd	nd		
Endrin	ī	nd	nd		
Endosulfan 2	1	nd	nd	*	
4.4-DDD	1	nd	nd		
Endrin aldehyde	1	nd	nd		
Butyl benzyl phthalate	1	nd	nd		
Endosulfan sulfate	1	nd	nd		
4.4-DDT	-1	nd	nd		
3.3-Dichlorobenzidine	10	nd	nd		
Benzo(a)anthracene	1	nd	nd		
Chrysene	1	nd	nd		

PQL = Practical Quantitation Limit LNR = Samples Listed not Received nd = < PQL -- = Not Applicable

tion Limit
Soils
: mg/kg (ppm) dry weight unless otherwise specified
to Received
Waters
: mg/L (ppm) unless otherwise specified in Method Header
Leachates
: mg/L (ppm) in leachate unless otherwise specified in
Method Header
Refer to Amdel standard laboratory qualifier codes for comments.

Job Number: 5E0674

Client: Sinclair Knight Merz

Reference: EN01669

Project: MACDONALDTOWN

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	Lab No	E179645	E179647		
	Guerana III	MW41D	MW38D		
Analyte	Sample Id	7.0m	2-2.45m		
	PQL		011		
Bis(2-et hylhexyl) phthalate	1	nd	nd		
Di-n-octylphthalate	34 1	nd	nd		latentiere
Benzo(b)fluoranthene	1	nd l	nd		. 0/8
Benzo(k)fluoranthene	1 10 1	nd	nd		Sunstitut 63
Benzo(a)pyrene	1	nd	nd		o similari (
Indeno(1.2.3-cd)pyrene	m 1	nd	nd		
Dibenz(a.h)anthracene	1	nd	nd		and any
Benzo(g.h.i)perylene	1	nd	nd	white	elido lynad n
2-Fluor ophenol-SURROGATE	1	72%	70%		1000
Phenol-D5-SURROGATE	1	95%	98%	alib	n ja Salektik
Nitrobenzene-D5-SURROGATE	1	72%	73%		amilto rot
2-Fluor obiphenyl-SURROGATE	io I	108%	99%		pena
2.4.6-Tribromophenol-SURROGATE	1	79%	77%		7 zdlazio
p-Terphenyl-D14-SURROGATE	1	101%	102%		
					251,574
		2			, jirin
					E nell marks
					tiens
	0		y HALL		Selement Lea
					Kim Nursiyardi
					PARCE
				salben	is in withold (
				skab	a distribution

PQL = Practical Quantitation Limit LNR = Samples Listed not Received nd = < PQL -- = Not Applicable

tion Limit
of Received

Waters
Leachates

Refer to Amdel standard laboratory qualifier codes for comments.

Soils
: mg/kg (ppm) dry weight unless otherwise specified
waters : mg/L (ppm) unless otherwise specified in Method Header
: mg/L (ppm) in leachate unless otherwise specified in Method Header



#### AMDEL INTERNAL QUALITY ASSURANCE REVIEW.

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Job No.

5E0674

#### General

Inorganics\*

1. Laboratory QA/QC including Method Blanks, Duplicates, Matrix Spikes, Laboratory Control Samples or CRM's are included in this QA/QC appendix. (Where applicable)

2. Inter-Laboratory proficiency trial results are available upon request.

3. POLs are matrix dependent and are increased accordingly where sample extracts are diluted due to interferences.

4. Results are uncorrected for matrix spike or surrogate recoveries.

5. Where 3 and 2 significant figures are reported for >10x PQL and <10x PQL respectively, the last figure is uncertain and is provided for statistical purposes only.

6. Samples duplicated or spiked are from this job only and are identified in the following QA/QC report.

7. SVOC analyses on waters are performed on homogenized, unfiltered samples, unless noted otherwise.

#### Maximum Holding Times for Soils, Sediments and Waters

Metals (dissolved metals should be supplied field filtered)

#### Holding Times Parameter Soils Extracted in 14 days, analysed within 40 days. Volatile and Semi-Volatile Organic Analysis. Extracted and analysed within 28 days-6 months. Metals Extracted and analysed within 7-28 days. Inorganics\* TCLPs\* Extracted and analysed within 14 days, (Zero Headspace-TCLP 7 days). Waters Analysed within 7 days (USEPA requires 14 days). Volatile Organic Analysis Extracted in 7 days, analysed within 40 days. Semi-Volatile Organic Analysis

Analysed within 24 hrs-28 days.

Prepared and analysed within 28 days.

\* Please refer to 'Preservation Information Chart for Soils, Sediments & Waters' for further information. (ISFORM.098). Holding times may be extended with the use of preservation bottles and/or freezing samples. Holding times can be calculated from dates reported in the body of the report. Tests clearly exceeding holding times will be noted when sufficient information is provided. Reference: USEPA SW846 and AMDEL SPM-01 (incorporating NEPM Guidelines).

Chain of Custody and Sample Integrity	Yes/NO/NA
Chain of Custody / instructions received with samples	Yes
Custody seals were received intact, if used	NA
Samples were received chilled and in good condition	Yes
Samples received appropriately preserved for all tests	Yes
VOC/SVOC samples were received in teflon lined containers	Yes
Samples received with Zero Headspace	Yes
Chain of Custody completed and attached (if applicable)	Yes
Chromatography Calibration/Acceptence Criteria (if applicable)	
Retention time window meets acceptance criteria (+/-2%)	Yes
Reference standard meets acceptance criteria (+/-10%)	Yes
Recalibration standard meets acceptance criteria (+/-15%)	Yes
Internal standard recovery acceptable.	Yes