

ANNEXURE 1 - SITE MANAGEMENT PLAN

LOT: 24 PLAN: NK45 FILE REF: BNE46402 DATE OF EFFECT: 24/10/2014

Real property description: Lot 24 on Crown Plan NK45

Address: 63 Brolga Street, Quilpie, QLD.

Version: Lot 24 on CP NK45_Quilpie_SMP_v1

1.0 Summary of contamination

The former Quilpie Depot ('the site') is located at 63 Brolga Street, Quilpie, Queensland. The current zoning of the site is "Mixed Use", and the current land use is "Commercial". The currently vacant site is a decommissioned former fuel depot and Commercial Vehicle Refuelling outlet (CVRO). The site commenced operations in 1935, and ceased operations as a depot and CVRO with all fuel infrastructure removed in 2008. The zoning of the site is not anticipated to change in the near future.

Soil and groundwater impact associated with the historic site use, is present at the site. Documented infrastructure integrity issues involved leak and line failure was identified in 1998, the failed line was subsequently replaced and also a fuel tank was replaced.

Impacted soil was identified within depths between 0.3 metres below ground level (mbgl) to 3.0 mbgl around the former underground storage tank (UST) and CVRO within the eastern portion of the site and around former fuel pipelines and bridge discharger in the south-west portion of the site. The following maximum levels of contaminants have been identified in soil:

Analyte	Historical Maximum Concentration (mg/kg)
TRH C_6 - C_9 / C_6 - C_{10} TRH C_{10} - C_{14} / > C_{10} - C_{16}	2,800
TRH C_{10} - C_{14} / > C_{10} - C_{16}	10,200
TRH C_{15} - C_{28} / $> C_{16}$ - C_{34}	12,100
TRH C_{29} - C_{36} / $> C_{34}$ - C_{40}	260
Benzene	18
Toluene	410
Ethylbenzene	92
Xylenes	810
Naphthalene	9.3
Lead	550
Benz(a)anthracene	0.1
Benzo(b)fluoranthene	0.1
Fluoranthene	7.4
Fluorene	9.5
Phenanthrene	2.8

Groundwater was encountered on the site from 2.8 mbgl to 5.5 mbgl and was found to be impacted by dissolved phase hydrocarbons in 20 groundwater monitoring wells across the site since monitoring began in October 1999. The following contaminants have been identified in groundwater:

Analyte	Historical Maximum Concentration (μg/kg)
TRH C ₆ - C ₉ / C ₆ - C ₁₀	99 300
TRH C_{10} - C_{14} / > C_{10} - C_{16}	12,000
TRH C_{15} - C_{28} / > C_{16} - C_{34}	22,000
TRH C ₂₉ - C ₃₆ / >C ₃₄ - C ₄₀	756
Benzene	36 000
Toluene	33 300
Ethylbenzene	2 040
Xylenes	14,800
Naphthalene	270
Lead	41

Soil vapour monitoring wells were installed at depths between 0.5 mbgl and 2.5 mbgl, adjacent to monitoring wells historically containing light non-aqueous phase liquid (LNAPL) in the southern and western portions of the site. The following maximum levels of contaminants have been identified in soil vapour:

Analyte	Historical Maximum Concentration (mg/m³)
TPH C ₆ - C ₁₀	5 900
TPH C ₆ - C ₁₀ less BTEX	5 600
TPH >C ₁₀ - C ₁₆	60
TPH >C ₁₀ - C ₁₆ less Naphthalene	60
Benzene	79
Toluene	63
Ethylbenzene	0.74
Xylenes	119
Naphthalene	<0.1

Light Non-Aqueous Phase Liquid (LNAPL) has historically been detected within 14 groundwater monitoring wells, ranging in thickness from 0.001 m to 0.400 m. During the most recent investigation, conducted in September 2013, LNAPL was identified in one monitoring well (MW17) with a thickness of 0.089 m.

Figure 1 indicates the location of all decommissioned monitoring wells.

2.0 Objectives of the site management plan (SMP)

The purpose of this SMP is to manage contamination on the site in a manner that protects human health and the environment, when used for commercial/industrial use.

3.0 Management actions

3.1 Site use

As of the 20th August 2014 the site is currently vacant with all infrastructure removed.

The site may be used for the following:

- On-going commercial land use (with no basements) with minimal opportunities for contact with soil or groundwater; and
- open space / recreational purposes.

3.2 Responsibility

The owner / and / or perpetual lease holder of the land (as defined in the *Environmental Protection (EP) Act 1994*) is to ensure that this SMP and any variations approved or required by the administering authority are complied with. The obligations and conditions set out in this SMP bind the owner, from time to time, of the land.

The owner must inform all persons involved in building design and planning and all contractors and lessees conducting building and/or excavation works with conditions of this SMP prior to commencement of works. All persons occupying or working on the site must comply with the requirements of the SMP.

3.3 Service trenches

Any future underground services must include the installation of adequate 'physical controls' e.g. vapour barrier and adequate seals for (in ground, and into building) pipework, between services and / or buildings and impacted soil to ensure that vapours do not enter building spaces.

Any future services must also be surrounded on all sides by a minimum of 0.3 m of clean fill to protect future maintenance workers from contact with potentially contaminated fill material. Clean fill must also be placed above any services through to the surface of the site to allow access to services while protecting maintenance workers (see *Section 3.4* for the assessment of soil for reuse as clean fill).

Health and Safety considerations should be observed with respect to confined spaces in trenches refer to *Section 3.6.*

3.4 Soil excavation & removal

If during any site earthworks or excavation, offensive or noxious odours and/or evidence of gross contamination not previously detected is observed, site works are to cease in that area and action taken to immediately abate the activities causing potential or actual environmental harm. Site works will not recommence until approval to recommence is received from the administering authority.

Soil excavated from the site must be assessed for constituents of potential concern prior to disposal or reuse. Representative sampling and analysis of soil from excavations in contaminated areas must be managed by a suitably qualified and experienced person in accordance with Section 381 of the EP Act 1994.

Contaminated soil must not be removed off site without a disposal permit in accordance with Section 424 of EP Act 1994 and any local and state requirements.

3.5 General environmental protection

All earthworks are to be undertaken in accordance with general environmental protection measures to avoid unwanted migration and deposition of soil. These measures include the control of dust, noise, stormwater runoff, sediment, erosion, spillage from haulage trucks and odour releases involving the handling or movement of contaminated material.

If a loss of containment of petroleum products occurs a suitably qualified and experienced person should assess monitoring wells to determine if further monitoring is required.

3.6 Workplace health and safety

A Workplace Health and Safety Plan (WH&S plan), which conforms to the requirements of the *Workplace Health and Safety Act 2011* is to be developed for any intrusive works at the site, or any works which have the potential to have direct contact with soil and/or groundwater in areas of known contamination. The H&S plan must also reference the relevant Model Codes of Practice and comply with *Section 305* of the *Workplace Health and Safety Regulation 2011*.

The WH&S plan must specifically address COPC and include development of appropriate exposure limits along with atmospheric monitoring and personal protective equipment (PPE) required for potential dermal contact with impacted materials and for potential inhalation of vapours.

3.7 Groundwater monitoring wells and abstraction

The groundwater bearing unit beneath the site must not be used for abstraction purposes. Additionally, the installation of a registered groundwater bore is prohibited in order to prevent the potential cross contamination between the impacted groundwater bearing unit at the site and the deeper aquifer suitable for abstraction purposes in the region.

4.0 Monitoring and reporting actions

4.1 Soil monitoring

Prior to excavation works on site or shortly after, soil should be assessed for the COPC to determine if the proposed excavation material is contaminated.

4.2 Groundwater monitoring

It is considered that no on-going groundwater monitoring is required under the current site use.

4.3 Soil vapour monitoring

It is considered that no on-going soil vapour monitoring is required under the current site use.

4.4 Site excavations

Records must be kept of all excavation on site including details of relevant disposal permits.

4.5 Notification

The administering authority is to be notified in writing within twenty two (22) business days of detection of contamination and advised of appropriate remedial action if required. Any remedial action is to be developed by an SQP.

4.6 Administering authority access

Authorised persons under the EP Act will be permitted access to non-residential areas of the site to collect environmental samples and assess compliance with the SMP should this be required.

4.7 Monitoring records

Any monitoring results and records of inspection in relation to this SMP will be kept for at least seven years and made available to the administering authority upon request within 24 hours.

4.8 Version Control System

Should changes be made to this document, the subsequent version should follow the version control system (an incremental increase the 'v' number).

The current version is 'Lot 24 on CP NK45 Quilpie Depot SMP v1'.

The next version should be 'Lot 24 on CP NK45 Quilpie Depot SMP v2'.

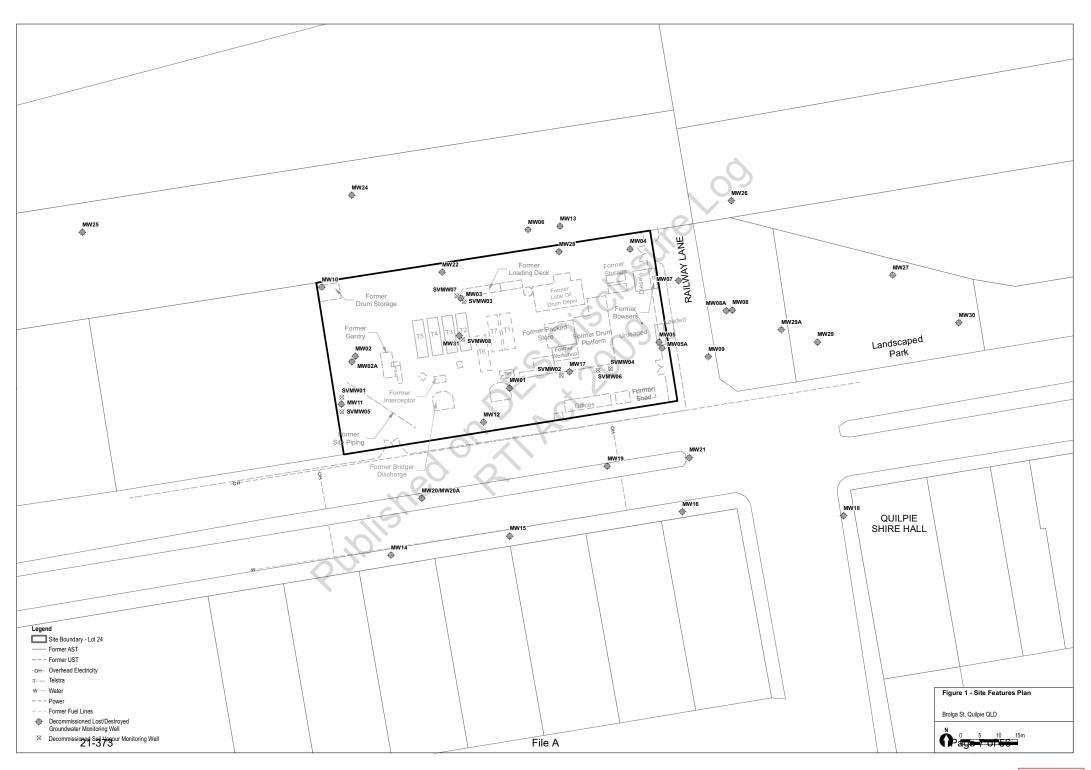
The version number should be documented on Page 1 of this document.

This SMP makes reference to a plan attachment that is attached as Figure 1. This Site Management Plan (SMP) has been developed to manage site contamination risks present at the issue date. Subsequent uses of the site may result in the need to review the plan.

Figure 1

Site Features Plan







Level 7 400 George St Brisbane, Queensland GPO Box 2454 Brisbane QLD 4001 AUSTRALIA Telephone (07) 3330 5685, Facsimile (07) 3330 5754 http://www.derm.qld.gov.au/environmental_management/land/contaminated_land/

29 February 2012

Site ID: 8709 File Number:

Enquiries to: contaminated.land@derm.qld.gov.au

The Chief Executive Officer Quilpie Shire Council PO Box 57 QUILPIE QLD 4480

NOTICE OF LAND LISTED ON THE ENVIRONMENTAL MANAGEMENT REGISTER

In accordance with section 374 of the *Environmental Protection Act 1994 (EP Act)* notice is given that the parcel of land described below has been listed on the Environmental Management Register (EMR).

Lot: 24 Plan: NK45 BROLGA STREET QUILPIE QLD 4480

The parcel of land has been recorded on the EMR as, after careful consideration of submissions, it is decided that the land has been, or is being used, for the following notifiable activities pursuant to section 374 of the *EP Act*. Notifiable activities are mainly industrial/commercial activities that have been known to cause contamination of land and refer to both past and current activities.

PETROLEUM PRODUCT OR OIL STORAGE - storing petroleum products or oil -

- (a) in underground tanks with more than 200L capacity; or
- (b) in above ground tanks with -
 - (i) for petroleum products or oil in class 3 in packaging groups 1 and 2 of the dangerous goods code more than 2, 500L capacity; or
 - (ii) for petroleum products or oil in class 3 in packaging groups 3 of the dangerous goods code more than 5, 000L capacity; or
 - (iii) for petroleum products that are combustible liquids in class C1 or C2 in Australian Standard AS1940, 'The storage and handling of flammable and combustible liquids' published by Standards Australia more than 25, 000L capacity.

Further information about contaminated land matters may be obtained by visiting our website at: http://www.derm.qld.gov.au/environmental_management/land/contaminated_land/.

Kelli Ready A/Director - Enforcement Services BRISBANE

Delegate of Administering Authority Environmental Protection Act 1994



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THE SHELL COMPANY OF AUSTRALIA LIMITED

P O BOX 1456

BRISBANE QLD 4001

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- (b) in above ground tanks with -
 - (i) for petroleum products or oil in class 3 in packaging groups 1 and 2 of the dangerous goods code more than 2, 500L capacity; or
 - (ii) for petroleum products or oil in class 3 in packaging groups 3 of the dangerous goods code more than 5, 000L capacity; or
 - (iii) for petroleum products that are combustible liquids in class C1 or C2 in Australian Standard AS1940, 'The storage and handling of flammable and combustible liquids' published by Standards Australia more than 25, 000L capacity.

The owner may apply for a review of the decision to record the land in the EMR within 10 business days after receipt of this notice, in accordance with section 521 of the *EP Act*. If you decide to apply for a review you must, in accordance with section 521(3), also give notice to the local government that you are seeking a review. You must forward to the local government the following documents:

- a notice of the application (the "review notice");
- a copy of the application and supporting documents.

The review notice must inform the local government that submissions on the application may be made within 5 business days after the application is made to the DERM, as required by section 521(4) of the *EP Act*. A land owner dissatisfied with a review decision may appeal against the decision in accordance with section 531 of the *EP Act*. A copy of sections 521 and 531 is attached to this notice.

Please note that the listing of a site on the EMR does not imply that the DERM considers the site to be "contaminated", nor does it require that the land be investigated and remediated. The listing does not imply that this site is unsuitable for its current use, nor does it imply that you are in breach of any conditions set out in any existing Development Approval issued for this site. Remediation would be needed if there were evidence that the site presented an unacceptable health or environmental risk for its current use. In the event that the site is redeveloped, the DERM may require that remediation or management of any contamination be conducted to protect public health and the environment.

It should also be noted that, with the issuing of this Notice under section 374, the following requirements apply under section 421 of the EP Act.

If the owner proposes to dispose of the land to someone else, the owner must, before agreeing to dispose of the land, give written notice to the buyer that the particulars of the land have been recorded in the register.

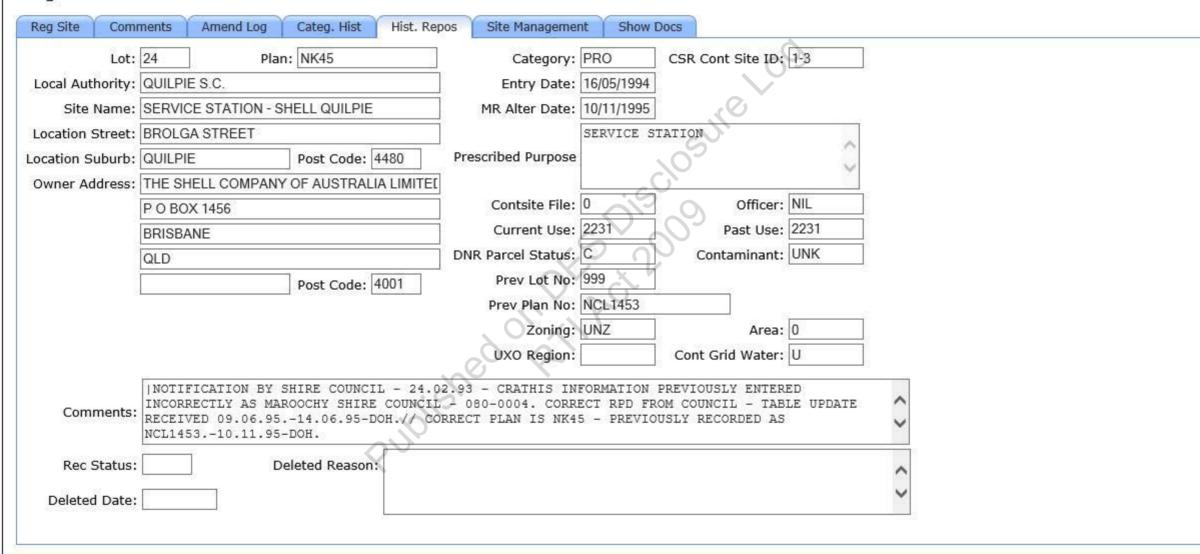
Further information about contaminated land matters may be obtained by visiting our website at: http://www.derm.qld.gov.au/environmental_management/land/contaminated_land/.

al service of the ser Kelli Ready A/Director - Enforcement Services BRISBANE

Delegate of Administering Authority Environmental Protection Act 1994

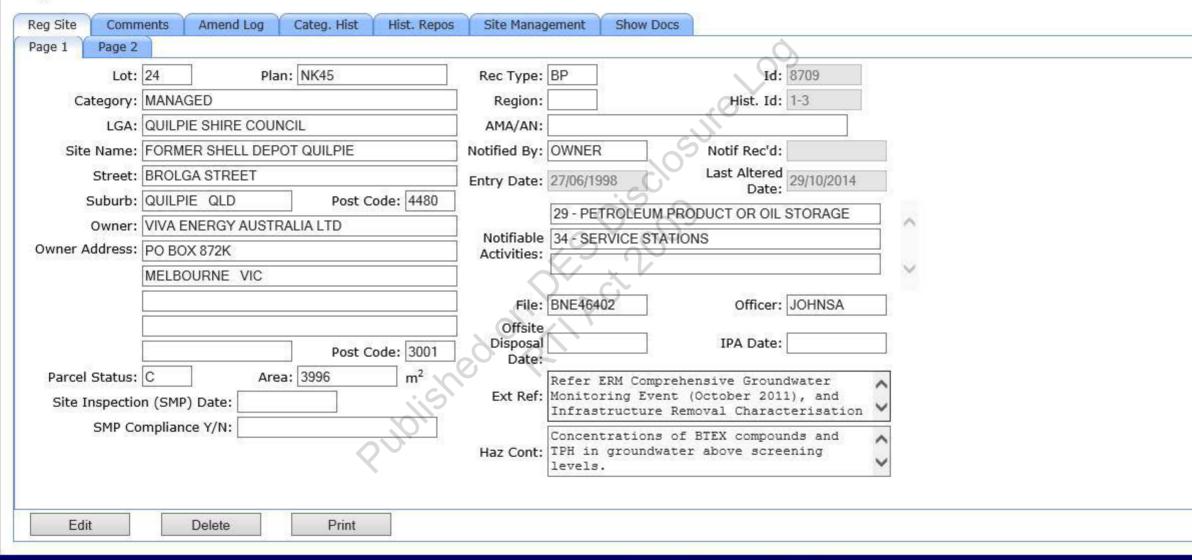
EMR/CLR Environmental Management Register and Contaminated Land Register

Registered Site - Show Site



EMR/CLR Environmental Management Register and Contaminated Land Register

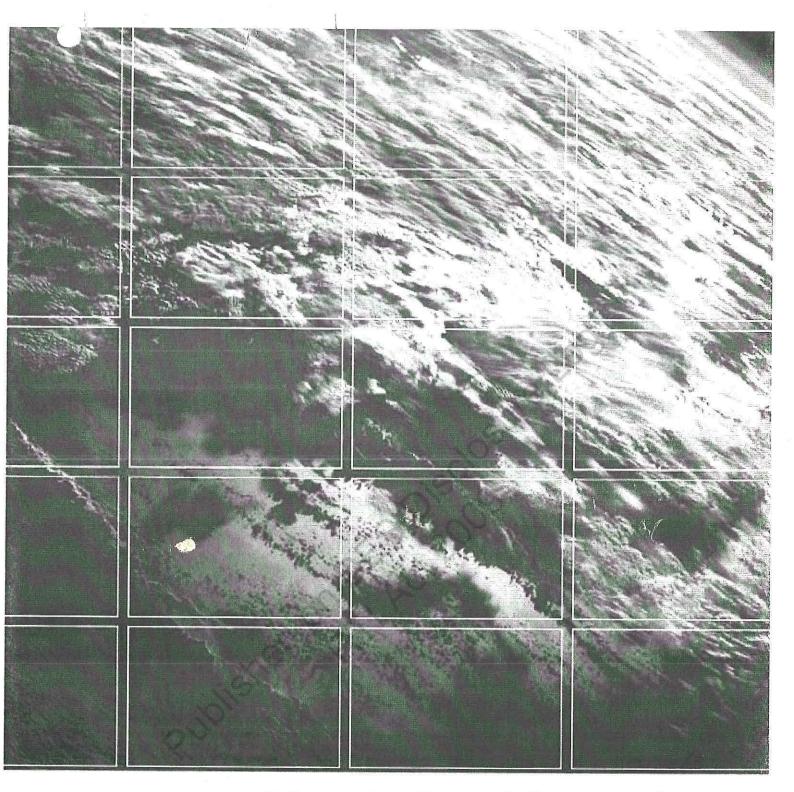
Registered Site - Show Site



OFFICIAL USE ONLY DATE RECEIVED	Contaminated land work request
FILE REF	This checklist is used when a Right to Information (RTI) work request has been received within the Contaminated Land Unit (CLU).
PROJECT REF	The RTI work request will contain a document search request form "the form".
	The form will outline the scope of the RTI request.
ACCOMPANYING COMPLETE FORM INFORMATION	If the form is incomplete, does not make sense, documents requested is unreasonable or more time is needed contact the RTI case manager.
DATE	The RTI case manager is responsible for the information contained within the form.
	Otherwise, the registry team progresses the work request, completes the checklist sends to the Team Leader or above for review prior to final approval.
	Examples of contaminated land information relevant to CLU may include:
	 Contaminated Land Investigation reports. Site Management Plans. Notifications for listing land on the EMR/CLR. Soil Disposal applications and approvals emails relevant to applications made under the section.
	Advice is provided in the guideline when completing the checklist.
	This checklist must be signed by the person completing the work request and Team Leader or above.
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No.	

Guide	CLU Register Team				
Provide details on the locations of the work request relates.	Lot on plan: Lot24 NK45				
	EMR/CLR Site ID's: 8709				
	RTI Request No: RTI21-373				
	RTI Scope: Revised Scope: All documents pertaining to contamination and remediation activities relating to 81 Brolga Street, Quilpie, Queensland 4480 (Lot 42 on NK83) and 63 Brolga Street, Quilpie, Queensland 4480 (Lot 24 on NK45). Time period: 1 January 1995 to 19 May 2022				
Provide details on the locations where information was sourced.	Indicate by ticking all the relevant following information is available				
Any contact with records management, time it took to get hard	Information found	Comments			
copy files or contact with RTI case manager provided details within the comments.	✓ Yes – EMR/CLR☐ No – EMR/CLR				
There is no need to duplicate the same information.	✓ Yes – EDOCS / historicalrecordsNo – EDOCS / historical	BNE46402 & 900975 retrieved from archive			
	records				
10/15	☐ Yes – MECS☑ No – MECS				
60.	✓ Yes – Contam land folder✓ No – Contam land folder				
	Yes – Emails				
	✓ No – Emails				

Provide details on the information	Information provided / Additional information.				
provided and any other additional	All documents provided are within the scope and are only for Lot 24 NK45.				
information to support the RTI.		ver been on the EMR/CLR and can confirm CLU do ents relating to this site.			
		.00			
Degister stoff recom					
Register staff recomi		100			
I recommend all contamina addressed.	ted land information h	nas been checked and the work request has been			
REGISTERY OFFICER'S FULL Jackie Elia	FULL NAME POSITION Customer Service Officer				
DATE 23/06/2022					
	10/1/				
Team leader or above	Work Request che	cklist			
RTI email instruction	ns checked.				
RTI Access Applica	ation Request Docume	ent Search Request Form completed.			
Note: Please submitted	Note: Please submitted the above documents to the delegate for final approval.				
I am satisfied the work requ	I am satisfied the work request has been addressed.				
PEER REVIEW FULL NAME Bronwyn Cruse	ME POSITION Team Leader				
DATE 23/06/2022					



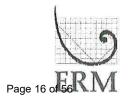
Infrastructure Removal Characterisation and Environmental Site Assessment Report

Former Quilpie Depot Brolga Street, Quilpie, QLD, 4480

The Shell Company of Australia Limited

April 2009

Final



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(Single supply)

Supplied Data: Groundwater Data / 03rd June 2008

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 consultancy project for you but the consultants must return or destroy the supplied data when the project
 is finished). You must not sell or distribute the supplied data.
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- You may create and distribute hardcopy and digital products based on or containing the supplied data, provided all the following conditions are met:
 - You must display this acknowledgment on the product(s): "Based on or contains data provided by the State of Queensland (Department of Natural Resources and Water) [year]. In consideration of the State permitting use of this data you acknowledge and agree that the State gives no warranty in relation to the data (including accuracy, reliability, completeness, currency or suitability) and accepts no liability (including without limitation, liability in negligence) for any loss, damage or costs (including consequential damage) relating to any use of the data. Data must not be used for direct marketing or be used in breach of the privacy laws."
 - You must include metadata with the product(s) and the metadata must incorporate as a minimum the metadata provided with this supplied data.

Obligations

- You must not use the data for direct marketing or in breach of the privacy laws.
- If you wish to distribute the supplied data you must organise an additional different licence by contacting the Department (Email: marketing@nrw.qld.gov.au).

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BORE CARD REPORT - PUBLISHABLE

REG NUMBER 390

REGISTRATION DETAILS

		BASIN	0112	LATITUDE OF	27.05	054
		DASIN	0112	LATITUDE 26-	37-05 MAP-SCALE	254
OFFICE Char	leville	SUB-AREA		LONGITUDE 144	4-15-44 MAP-SERIES	M
DATE LOG RECD		SHIRE	6150-QUILPIE	EASTING 227	7403 MAP-NO	SG55-9
D/O FILE NO. V17	0274	LOT		NORTHING 705	52931 MAP NAME	QUILPIE
R/O FILE NO. 5613	33	PLAN		ZONE 55	PROG SECTION	
H/O FILE NO. L048	41B	ORIGINAL DESCRIPTION	BORE RESERVE 20	ACCURACY	PRES EQUIPMENT	
				GPS ACC		*
GIS LAT	-26.618182012	PARISH NAME	5162-WOORBIL	\$5965197 SERECULAR	ORIGINAL BORE NO	QUILPIE TOWN BORE
GIS LNG	144.26229913	COUNTY	NICKAVILLA		BORE LINE	552
CHECKED N		PROPERTY NAME		* . 6	*	
		FIELD LOCATION			POLYGON	
					RN OF BORE REPLACE	
FACILITY TYPE AF		DATE DRILLED	07/10/1933	,6	DATA OWNER	
STATUS EX		DRILLERS NAME			CONFIDENTIAL	
ROLES		DRILL COMPANY	as 0 = 0			
		METHOD OF CONST.	CABLE TOOL			

CASING DETAILS

PIP E	DATE	RECORD MATERIAL DESCRIPTION NUMBER	MAT SIZE SIZE (mm)	DESC OUTSIDE DIAM (mm)	TOP (m)	BOTTOM (m)
Α	07/10/1933	1 Steel Casing (unspecified)	WT	254	0.00	66.40
Α	07/10/1933	2 Steel Casing (unspecified)	WT	203	0.00	177.10
Α	07/10/1933	3 Steel Casing (unspecified)	WT	152	0.00	899.80
Α	07/10/1933	4 Perforated or Slotted Casing	AP		878.50	900.00

STRATA LOG DETAILS

RECORD NUMBER	STRATA TOP (m)	STRATA BOT (m)	STRATA DESCRIPTION
1	0.00	1.22	RED SOIL
2	1.22	38.10	ROCK
3	38.10	80.16	CLAY
4	80.16	96.93	SHALE
5	96.93	118.26	CLAY
			121

GROUNDWATER DATABASE BORE CARD REPORT - PUBLISHABLE

REG NUMBER 390

RECORD NUMBER	STRATA TOP (m)	STRATA BOT (m)	STRATA DESCRIPTION
6	118.26	166.12	SHALE
7	166.12	289.56	CLAY WITH HARD STREAKS
8	289.56	449.58	SHALE WITH HARD STREAKS
9	449.58	452.63	SANDSTONE SAND
10	452.63	480.06	CLAY
11	480.06	601.37	SHALE
12	601.37	614.78	LIMESTONE SHALE
13	614.78	731.22	SHALE
14	731.22	734.57	SANDSTONE SAND
15	734.57	798.58	CLAY
16	798.58	801.62	SANDSTONE QUARTZ
17	801.62	841.25	CLAY AND SAND
18	841.25	852.53	SANDROCK
19	852.53	858.01	CLAY
20	858.01	873.25	SANDROCK
21	873.25	882.40	CLAY
22	882.40	899.77	SANDROCK, SANDSTONE

CTDAT	GRAPH	V DET	CALLO
SIKAL	GRAPH	TUEL	AILS

SOURCE	RECORD NUMBER	STRATA TOP (m)	STRATA BOT (m)	STRATA DESCRIPTION
DNR	1	0.00		ALLUVIUM
DNR	2		30.50	TERTIARY SEDIMENTS
DNR	3	30.50		WINTON FORMATION
DNR	4			MACKUNDA FORMATION
DNR	5		440.10	ALLARU MUDSTONE
DNR	6	440.10	449.60	TOOLEBUC FORMATION
DNR	7	449.60		COREENA MEMBER
DNR	8		731.20	DONCASTER MEMBER
DNR	9	731.20	749.80	WYANDRA SANDSTONE
DNR	10	749.80	823.00	CADNA-OWIE FORMATION

GROUNDWATER DATABASE

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BORE CARD REPORT - PUBLISHABLE

REG NUMBER 390

SOURCE	RECORD NUMBER	STRATA TOP (m)	STRATA BOT (m)	STRATA DESCRIPTION
DNR	11	823.00	899.80	HOORAY SANDSTONE

AQUIFER DETAILS

					AGON EN DETAIL	<u>-0</u>	.01		
REC	TOP BED(M)	BOTTOM BED(M)	BED LITHOLOGY	DATE	SWL FLOW (m)	QUALITY	YIELD CTR (I/s)	CONDIT	FORMATION NAME
1	27.40		SDST					PS	TERTIARY SEDIMEFORM
2	64.00		SHLE					FR	WINTON FORMATIOFORM
3	94.50		SHLE			.60		FR	WINTON FORMATIOFORM
4	143.30		SHLE			0/20		FR	WINTON FORMATIOFORM
5	213.40		SHLE			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		FR	WINTON FORMATIOFORM
6	449.60		SDST					PS	COREENA MEMBER MEMB
7	731.50		SDST			XV		PS	WYANDRA SANDSTOMEMB
8	824.50	826.60	SDST		V ~	C		PS	HOORAY SANDSTONFORM
9	843.10	852.50	SDST					PS	HOORAY SANDSTONFORM
10	861.10	873.30	SDST), Y/			PS	HOORAY SANDSTONFORM
11	885.40	886.90	SDST	~O	2			PS	HOORAY SANDSTONFORM
12	890.00		SDST	70			ē.	PS	HOORAY SANDSTONFORM
13	893.10		SDST	1.5				PS	HOORAY SANDSTONFORM

PUMP TEST DETAILS PART 1
**** NO RECORDS FOUND ****

PUMP TEST DETAILS PART 2
**** NO RECORDS FOUND ****

BORE CONDITION

	DRAIN	DETAILS		HE	ADW	ORKS						
DATE	TOT	MAX C	RET	С	С	LEAK	FLOW		EST USE	STO	CK	
	LEN	RUN D	LEN	D	T		IRREGULARITY	PRECIPITATE		CATTLE	SHEEP	COMMENT
	(km)	(km) N	(km)	N	- 2				(0.122	COMMENT

BORE CARD REPORT - PUBLISHABLE

REG NUMBER 390

29/08/1960 30/08/1960 08/10/1975 14/11/1985 G P

Bore has only 4" discharge. Report on generator etc. on File 65.

water distribution through town mains for domestic supply. Mains open ended and partial bore blow runs 2 drains to Paroo River on town common, requirements - remove and fit new headworks to eliminate lead packer, threaded gun metal flange and casing joint, rotted casing inside 254mm casing shroud. Cement 152.4mm to 203.2mm casing annulus. Incorporate in new headworks provision for connecting testing apparatus without disturbing town reticulation connecting gear.

ELEVATION DETAILS

PIPE DATE ELEVATION PRECISION DATUM MEASUREMENT POINT SURVEY SOURCE
X 13/SEP/74 197.00 SVY STD N

WATER ANALYSIS PART1

									NATER ANAL	YSIS	PART1								
PIP E	DATE	i i	RD ANALYS	Т	QAN	DEPT H (m)	RMK	SRC	COND (uS/cm)	рН	Si (mg/L)	TOTAL IONS (mg/L)	TOT SOL (mg		HARD	ALK	FIG. OF MERIT	SAR	RAH
Α	03/03/19	76	1 GCL		066622		PU	GB	950	8.2		724.20	C	0.00	12	339	0.0	27.5	6.54
Α	24/04/19	81	1 GCL		089759	.10	MA	GR	925	8.6	43	705.70	549	9.95	7	336	0.0	34.6	6.58
Α	14/11/19	85	1 GCL		112346	900.00	PU	GB	900	8.7	36	679.32	529	9.80	5	321	0.0	38.0	6.31
X	01/09/19	86	1 GCL		115676	900.00	PU	GB	900	8.1	37	737.12	563	3.18	7	346	0.0	35.8	6.79
X	01/09/19	86	2 GCL		115677	900.00	PU	GB	880	8.2	36	723.82	553	3.96	6	339	0.0	39.0	6.67
								1	WATER ANAL	YSIS	PART 2								
PIPE DA	ATE F	RD	Na	K	Ca	Mg		Mn	HCO3	Fe	CO3	CI	F	NO3	SO4	Z	n Al	В	Cu
A 03/03/	/1976	1	216.0	2.2	4.0	0.4			405.0		4.1	88.0	1.30		3.2				
A 24/04	/1981	1	205.0	2.0	2.5	0.1			391.0		9.3	85.0	1.80	0.0	9.0				
A 14/11	/1985	1	200.0	2.2	2.1	0.0	0	.01	365.0	0.01	13.0	87.0	1.70	0.5	7.8				
X 01/09	/1986	1	210.0	2.5	2.6	0.0	0	.01	415.0	0.01	3.5	93.0	1.60	0.5	8.4				
2 1 -37309	/1986	2	210.0	2.4	2.2	0.0	0	.01	405.0).01 F	File A ^{4.4}	88.0	1.60	0.5	9.7	0.50			Page 21 of 56

GROUNDWATER DATABASE

Page 5 of 9

BORE CARD REPORT - PUBLISHABLE

REG NUMBER 390

PIPE	DATE	MEASURE (m)	N/R RMK	LOG	PIPE		EL DETAILS MEASURE N/R (m)	RMK	LOG	PIPE	DATE	MEASURE N/R (m)	RMK	LOG
X	13/09/1974	85.80	N		X	20/11/1985	85.08 N			~0				

WIRE LINE LOG DETAILS

**** NO RECORDS FOUND ****

				FIELD N	MEASURE	MENTS			
PIPE	DATE	DEPTH (m)	COND (uS/cm)	рН	TEMP (C)	NO3 (mg/L)	DO E	h METH V)	SOURCE
Α	07/10/1933				75.0	1,5		PU	GB
Α	14/11/1938				75.0	1	~(5)	PU	GB
Α	29/10/1941				75.0			PU	GB
Α	13/09/1948		8		75.0	20		PU	GB
Α	29/08/1960				75.0			PU	GB
Α	30/03/1965				73.0			PU	GB
Α	08/10/1975				73.5		TC		
Α	12/05/1981				73.0	N .		PU	GB
Α	20/11/1985			A	75.0	9		PU	GB

SPECIAL WATER ANALYSIS

**** NO RECORDS FOUND ****

VALIDATION LOG - PART 1

REGDET	CASING	STRLOG	AQUIFR	PUMTES	ELVDET	WLVDET	FIELDQ
Y 26/11/1990	Y 26/11/1990	Y 20/11/2000	Y 26/11/1990	Y 26/11/1990	Y 26/11/1990	Y 26/11/1990	Y 26/11/1990
			VALIDATION LOG	6 - PART 2			
WATANL	SAMPLE	STRTIG	WIRLOG	MULCND	BRCOND	FPREAD	GNOTES
Y 26/11/1990		Y 26/11/1990	13	Y 26/11/1990			

GENERAL NOTES

of 9

DATE 03/06/2008

BORE CARD REPORT - PUBLISHABLE

REG NUMBER 390

**** NO RECORDS FOUND ****

21-373

File A

Page 23 of 56

GROUNDWATER DATABASE

Page 7 of 9

BORE CARD REPORT - PUBLISHABLE

REG NUMBER 116117

REGISTRATION DETAILS

BASIN 0112 **LATITUDE** 26-37-03 **OFFICE** Charleville SUB-AREA **LONGITUDE** 144-16-12 DATE LOG RECD SHIRE 6150-QUILPIE **EASTING** 228169 D/O FILE NO. V17 0274 LOT 1 **NORTHING** 7053003 R/O FILE NO. **PLAN** Q68042 ZONE 55 H/O FILE NO. ORIGINAL DESCRIPTION **ACCURACY SKET GPS ACC**

 GIS LAT
 -26.617706064
 PARISH NAME
 5162-WOORBIL

 GIS LNG
 144.269975427
 COUNTY
 NICKAVILLA

 CHECKED Y
 PROPERTY NAME

ECKED Y PROPERTY NAME

FIELD LOCATION

FACILITY TYPE AF DATE DRILLED

STATUS PR DRILLERS NAME

ROLES WS DRILL COMPANY

METHOD OF CONST.

CASING DETAILS

**** NO RECORDS FOUND ****

STRATA LOG DETAILS

*** NO RECORDS FOUND ****

STRATIGRAPHY DETAILS

**** NO RECORDS FOUND ****

AQUIFER DETAILS

**** NO RECORDS FOUND ****

PUMP TEST DETAILS PART 1
**** NO RECORDS FOUND ****

PUMP TEST DETAILS PART 2
**** NO RECORDS FOUND ****

MAP-SCALE 254

MAP-SERIES N

MAP-NO SG55-9

MAP NAME QUILPIE

PROG SECTION
PRES EQUIPMENT

ORIGINAL BORE NO NEW QUILPIE TOWN BORE

BORE LINE -

POLYGON RN OF BORE REPLACE DATA OWNER CONFIDENTIAL

BORE CARD REPORT - PUBLISHABLE

REG NUMBER 116117

BORE CONDITION

**** NO RECORDS FOUND ****

ELEVATION DETAILS

**** NO RECORDS FOUND ****

WATER ANALYSIS PART1

**** NO RECORDS FOUND ****

WATER ANALYSIS PART 2

**** NO RECORDS FOUND ****

**** NO RECORDS FOUND ****

WIRE LINE LOG DETAILS

**** NO RECORDS FOUND ****

FIELD MEASUREMENTS

**** NO RECORDS FOUND ****

SPECIAL WATER ANALYSIS

**** NO RECORDS FOUND ****

VALIDATION LOG - PART 1

**** NO RECORDS FOUND ****

VALIDATION LOG - PART 2

**** NO RECORDS FOUND ****

GENERAL NOTES

**** NO RECORDS FOUND ****

BORE CARD REPORT - PUBLISHABLE

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** End of Report **

0081610

QLD ENVIRONMENTAL PROTECTION AGENCY

ENVIRONMENTAL MANAGEMENT REGISTER (EMR) CONTAMINATED LAND REGISTER (CLR)

Transaction ID:

1123545

EMR Site Id:

8709

07 April 2009

This response relates to a search request received for the site:

Lot: 24

Plan: NK45

EMR RESULT

The above site IS included on the Environmental Management Register

Lot: 24

Plan: NK45

Address: BROLGA STREET

QUILPIE

4480

The site has been subject to the following Notifiable Activity pursuant to section 374 of the Environmental Protection Act 1994. SERVICE STATIONS - operating a commercial service station.

The above site is NOT included on the Contaminated Land Register.

ADDITIONAL ADVICE

EMR/CLR Searches may be conducted online through the State Government Website www.smartservice.qld.gov.au or Citec Confirm www.confirm.com.au.

If you have any queries in relation to this search please phone (07) 3227 7370.

Lindi Bowen

Registrar, Contaminated Land Unit

0081610 PUILPIE.

QLD ENVIRONMENTAL PROTECTION AGENCY

ENVIRONMENTAL MANAGEMENT REGISTER (EMR) CONTAMINATED LAND REGISTER (CLR)

Transaction ID:

1123551

EMR Site Id:

35880

07 April 2009

This response relates to a search request received for the site:

Lot: 52

Plan: SP143312

EMR RESULT

The above site IS included on the Environmental Management Register.

The site you have searched has been subdivided from the following site, which is included on the EMR. Subdivided new parcels will remain on the EMR unless it can be shown that they are not located near the contaminating activity.

Lot: 1

Plan: RP856290

Address: BROLGA STREET

QUILPIE 4480

The site has been subject to the following Notifiable Activity pursuant to section 374 of the Environmental Protection Act 1994.

RAILWAY YARDS - operating a railway yard including goods-handling yards, workshops and maintenance areas.

CLR RESULT

The above site is NOT included on the Contaminated Land Register.

ADDITIONAL ADVICE

EMR/CLR Searches may be conducted online through the State Government Website www.smartservice.qld.gov.au or Citec Confirm www.confirm.com.au.

If you have any queries in relation to this search please phone (07) 3227 7370.

Lindi Bowen

Registrar, Contaminated Land Unit

0081610 QUILPIE

QLD ENVIRONMENTAL PROTECTION AGENCY

ENVIRONMENTAL MANAGEMENT REGISTER (EMR) CONTAMINATED LAND REGISTER (CLR)

Transaction ID:

1123553

EMR Site Id:

35882

07 April 2009

This response relates to a search request received for the site:

Lot: 61

Plan: SP143312

EMR RESULT

The above site IS included on the Environmental Management Register.

The site you have searched has been subdivided from the following site, which is included on the EMR. Subdivided new parcels will remain on the EMR unless it can be shown that they are not located near the contaminating activity.

Lot: 1

Plan: RP856290

Address: BROLGA STREET

QUILPIE 4480

The site has been subject to the following Notifiable Activity pursuant to section 374 of the Environmental Protection Act 1994.

RAILWAY YARDS - operating a railway yard including goods-handling yards, workshops and maintenance areas.

CLR RESULT

The above site is NOT included on the Contaminated Land Register.

ADDITIONAL ADVICE

EMR/CLR Searches may be conducted online through the State Government Website www.smartservice.qld.gov.au or Citec Confirm www.confirm.com.au.

If you have any queries in relation to this search please phone (07) 3227 7370.

Lindi Bowen

Registrar, Contaminated Land Unit

Annex D

Laboratory Analytical Reports and Chain of Custody Information



Environmental Consulting Pty. Ltd.

3 Kingston Town Close, Oakleigh, Victoria 3166, Australia Postal address: P. O. Box 276, Oakleigh, Victoria 3166, Australia Telephone: (03) 9564 7055 Fax: (03) 9564 7190 Email: mgt@mgtenv.com.au

Sample Receipt Advice

Company name:

ERM-Queensland

Contact name:

sch4p4(6) Personal informat

Client job number:

QUILPIE DEPOT - 0081610

COC number: Turn around time: 1654-58 Five day

Date received:

Oct 23, 2008

MGT lab reference:

235919

Sample information

- All samples have been received as described on the above COC. V
- Ø COC has been completed correctly.
- All samples were provided chilled. V
- Appropriately preserved sample containers have been used. V
- All samples were received in good condition. V
- Samples have been provided with adequate time to commence analysis in V accordance with the relevant holding times.

Contact notes

If you have any questions with respect to these samples please contact:

sch4p4(6) Personal in on the above number or by e.mail: sch4p4(6) Personal information

Results will be delivered electronically via e.mail to sch4p4(6) Personal inform sch4p4(6) Personal information

mgt Sample Receipt

ERM	September	Grid Floor, 33 S Level 3, Yarra To Level 1, 60 Leid PO Box 7338, C 53 Bornstie Aver Suite 3/146 Gon PO Box 106234	wer, WTC, 18-3 hhardt Street, S llorsters Square rue, Thornton, N don Street, Port	16 Siddel Ipring Hill , WA, 68: ISW, 232 I Macnos	ey Street. i. QLD, 40 50. (ph) 08 iz. (ph) 02 ida NSV	Dockland: 04. (ph) 0: 9 9321 520 1 4964 215 2444 788	s, VIC, 3005. (p 7 3839 8393 - (f 90 - (fax) 08 932 0 - (fax) 02 496	h) 03 96 ax) 07 (21 5262 4 2152	396 80 3839 8	011 (fa 8381		9696	8022	Pr Pr	ojec ojec ojec	: No: : Nan : Loca : Man er; sc	ne: ation nager	(2) : B : sc	nilph reliy h4p4	(6) F	erso	nal i	MI	\į̇̀į́į́,, nati <mark>∢</mark>		3.		A	1654
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Environmental Consulting Pty. Ltd.

3 Kingston Town Close, Oakleigh, Victoria 3166, Australia Postal address: P. O. Box 276, Oakleigh, Victoria 3166, Australia Telephone: (03) 9564 7055 Fax: (03) 9564 7190 Email: mgt@mgtenv.com.au

Sample Receipt Advice

Company name:

ERM-Queensland

Contact name:

sch4p4(6) Personal inform

Client job number:

0081610 FORMER QUILPIC DEPOT

COC number:

05211-15

Turn around time:

Five day

Date received:

Mar 20, 2008

MGT lab reference:

223829

Sample information

- All samples have been received as described on the above COC.
- COC has been completed correctly.
- All samples were provided chilled.
- ☑ Appropriately preserved sample containers have been used.
- All samples were received in good condition.
- Samples have been provided with adequate time to commence analysis in accordance with the relevant holding times.

Contact notes

If you have any questions with respect to these samples please contact:

sch4p4(6) Personal infon the above number or by e.mail:

sch4p4(6) Personal information

Results will be delivered electronically via e.mail to sch4p4(6) Personal information

mgt Sample Receipt

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			- CT/TOO NOW ALKELING							1			1											\dashv	+						reserve the
Comments:	Assemble to the control of the second second	omoleska oponedia	-						en la management			1				1	<u> </u>	<u> </u>	<u> </u>		1	Metals (circ	10						Maria of constitutions	V	***************************************
Jinquished	sch4p4(6)	Personal i	nformation			sch4p4	4(6) Pe	ersonal i	nforma			-		T	i				-			s Cd C sch4p4	r Cu (6) Pe	Hg N ersonal	! Pb		-		,	77	
<u> </u>	-			Sign	ied:				1000	Date	/Time:		31	03	10	ÿ			Rec	eived	by:		2.2	38	2 '	7				108	93
Relinquished	71-3/3 by:			Sign	red:					Date	√Time:	File A							Rec	eived	by:						Page Date/T		56	r	

Brisbane Level 1, 60 L	a Tower, WTC, 18-38 Siddeley Stree eichhardt Street, Spring Hill, QLD, 4 n Pool Bld, 172 St Gentres Toe W	at, Decklands, VIC, 3005, (ph)	03 9696 801	(fax) 03 9696 8	Project No: 00 11610	COC Numběr
Hunter Valley 53 Borwille A	n Pool Bld 172 St Conser T	XRI) CLECO COOD DODGO (18X	107 3839 838	11 5262	Tojectivalle. Torner (Julian)	Depot A 05213
ERM Other Suite 3/146 (venue, Thornton, NSW, 2322. (ph) (Gordon Street, Port Macquarie, NSW	02 4964 2150 (fax) 02 4964 ; 7, 2444, (ob) 02 6584 7155 ;	2152		Project Location: Grows St. (2) Project Manager sch4p4(6) Personal inform	matic Laboratory
THE REST OF THE PARTY OF THE PA		(4-1) 32 3034 7 733 ((dx) UZ 6564)	160	Sampler: sch4p4(6) Personal informati	Tidu ,
General Analysis Requirements		Yes (tick)		1 a 1 a 1	- Sampler:	
1. Turn Around Time (please tick: 🔲 1 Day 🔲 2 Day	/s □3 Days B Normal TAT)		ļ l	8260 List) 8270 List)		Other Comments or
E. Do you wish any sediment lavers in water to be on	disclosed forms		+	4 826	(otal)	
Additional QA/QC reported where sample batches of extraneous material removed from samples to be entirely and the samples to be entirely and the sample samples to be entirely and the sample sample.	are < 10 samples?	100 mm	200	(USEPA 8260 List) 1 (USEPA 8270 List	Sept Pear	(eg: high voc, hi contaminated, specia limits etc etc
	o be reported as per NEPM 5.1.1 Sample Matrix Pres	?	BTEX TPH (C6-C9 P & T) + TPH (C10-C36) Spaciated TPH	VOC Scan (USEPA 8 SVOC Scan (USEPA	Phenois PCB Metals (dissolved / total)	
Number ID Sample Sample Sample Number ID Depth Date	Time = 3 5 m	Servation Containers (numbertype)	BTEX TPH (C	VOC Scan SVOC Scar	Phenois PCB OCB OCB OCB OCB OCB OCB OCB	
CCM1040-VP18-140308 14/03		重	HE HE S	NOV SVC	PAH Phenols PCB	1
CCM1040-VP18-140305 14/03					X X X	
CM1040 - UP19-140308 14/03	XX				X	
con1010 - UP20 - 140308 14/00	X X					
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CM1040 - VPZZ_140318 14/05				10	N X X	
CM10402-UP23_140308 14/03	8 4	lli				
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CM1049-UPZ7-140308 14/03	L K X					
CM1040- JP28-140304 14/03	X X				<u> </u>	
COMIDNA - UP29-14030x 14/03	1 1 1 2 1					
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(MICHO J1-2.5 120308 12/03	X				+ + - - - - - - - - -	
Misira V2_1,25_12/59/08 12/03	X 10 X		+		X	
M1022-43-26-140303 14/03			+		XX	
14.022	X X					
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MONO_ V6_1.0)_ 140300 19/03	XX		+		X	
omments:						
sch4p4(6) Personal information				ON O SAFEY OF THE	*Metals (circle)	
linquished b	sch4p4(6) Pers	sonal information		1 7	As Cd Cr Cu Hg	Ni Pb Zn
	- gridg.	Date/7	īme: \X	03/08	sch4p4(6) Person Received t	23829 Day July 20/3/08
linquished21/=373	Signed:	Date/1	File A		- K	Page 40 of 56

Brisbane Level 1, 60 Leichha Perth Level 6, Grain Pool Hunter Valley 53 Bonville Avenue	er, WTC, 18-38 Siddeley Street, Do rrdt Street, Spring Hill, QLD, 4004. Bld. 172 St Georges Tce, WA, 685 , Thorriton, NSW, 2322. (ph) 02 49t I Street, Port Macquarie, NSW, 244	(ph) 07 3839 8393 (0. (ph) 08 9321 5200 64 2150 (fax) 02 49	fax) 07 3839 838 (fax) 08 9321 ! 64 2152	31 5262	Project No.	(, ,))	A 05214 Laboratory
General Analysis Requirements	/	Yes (tick)		list)			Other Corpress on sar
1. Turn Around Time (please tick: ☐1 Day ☐2 Days ☐				Speciated TPH VOC Scan (USEPA 8260 List) SVOC Scan (USEPA 8270 List)		(in)	(eg: high voc, highly contaminated, special de
Do you wish any sediment layers in water to be exludedAdditional QA/QC reported where sample batches are 			T F	EPA (Merals' (dissolved / total)	imits etc etc)
4. % of extraneous material removed from samples to be	the same to the same to the same to	in manual.	BTEX TPH (C6-C9 P & T) TPH (C10-C36)	Speciated TPH VOC Scan (US) SVOC Scan (U)		Nossii — — — — — — — — — — — — — — — — — —	7,000
NOW AT ANY SERVICE OF THE PARTY	ample Matrix Preserva	Containers	× 955	Scar Scar C Sc	Sjoi		
	Time of state (number/type)	BTEX TPH (0	Special Specia	PAH Phenois			
CUMBAR_ N7-22-40308 14/03	XX	1				XX	
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COMIDMO - V9-1.0 - 140309 14/03	× ×					XX	
CMIPHO UND -2.7 140000 rulos	<i>y</i> <i>x</i>					X	
(MICHO_VII_0.5_140306 14/03	x x	(XX	
compa 112 -05 140308 rules	K X	ı			19	X	
Concord 1/3 002) 1420000 14/5	x x	N	1 9			XX	
ccm10412_UM-22_40308 4685	8 8	. 1	RØ			\times	
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CCM1099 - VM DS-140306 14/03	8 1					××	
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(compres - 174-25-1600) rules	γ γ						
CCM10410 - 125-22 140508 14/03	× Y	(7 1	
Comments:						*Metals (circle) As Cd Cr Cu Hg Ni	Ph 7n
sch4p4(6) Personal information	Signed: sch4p4(6) Person	nal infor	Date/Time:	18/03/	ヘア		828 Date/Time: 20/3/08
21-373 Relinquished by:	Signed:		File Date/Time:	e A	J(5)	Received by:	Page 41 of 56 Date/Time:

Brisbane Perth Hunter Valley North Coast Other	Saunders Street, Pyrmont, NSW, 201 Tawer, WTC, 18-38 Siddeley Street, I chhardt Street, Spring Hill, QLD, 400 Pool Bld, 172 St Georges Tce, WA, 6 anue, Thornton, NSW, 2322, (ph) 02- rrdon Street, Port Macquarie, NSW, 2	Docklands, VIC, 3005. (ph 4. (ph) 07 3839 8393 (fa) 850. (ph) 08 9321 5200 () 03 9696 k) 07 3839 (fax) 08 93	8011 (8381 821 526	2	9696 802	Proje Proje	ect Nan ect Loca ect Mar	ne: 50 ation: 1 nager: 60	5/ \\ch4p4	1 (6) P	ersonal	inform	pot nation	acr		COC Numb	5215
General Analysis Requirements	<i>y</i>	Yes (tick)			-	(ist)		1	-	1	1 1		-	T		$\overline{}$		
1. Turn Around Time (please tick: 1 Day 2 Days	□3 Days ☑Normal TAT)			1 1	8260 List)	2701			€					-			Other	Comments on sample
2. Do you wish any sediment layers in water to be extu	uded from extractions?		+ (1		A 82	PAS			/ tote		-						contami	g: high voc, highly nated, special detection
3. Additional QA/QC reported where sample batches a	are < 10 samples?			l I	SEP	USE			lved	1		1		D.				limits etc etc)
4. % of extraneous material removed from samples to			X (C6-C9 P & (C10-C36)	1 PB	Scan (USEPA	can (disso		ار	H						I
Laboratory Sample Sample Sample Number ID Depth Date	Sample Matrix Presei	Vation Containers (number/type)	BTEX TPH (CO	Specialed	VOC Sea	SVOC Scan (USEPA 8270 List OC OP Pesticides	PAH	PCB	Metals' (dissolved / total)		13	700						20 20
con 100 2 126 2.7 4030 1463	XX	1				8 0	4 0		Σ	X								
CCM1040_ V27_2,7_143308 1403	X X	N. Control							X	-		-			_			
RMIDYA- 128-22-14038 14/5	XX	į							X	X	$\dagger \dagger \dagger$		-					
Cantona - UZ9 - 2.2 - 140305 a 14/03	x x	1							×									1
CCM1049_ V33_1.5_140308 14/0	> X	1				7 7			X	X			+		_			1
CLMING - V31-1.5- 40308 14/03		I) [×				+				-	
comiaya_ U32_1,5_ 140308 14/05	XX				古				×	X			-			+ +		A STATE OF THE PARTY OF THE PAR
CCM 10402 V33_1,5_140308 14/0		l i							\ \ \ \ \ \	-		-	+		_	$+\parallel$		- Carabata
(cm1040_U34_140308 14/63							-	$\dashv \dashv$	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	-			 				_	TAN CONTROL OF THE PARTY OF THE
CCM 1040 - N 35 - 1.5 140 308 14/0					-				7	, ,								
ECMIONA - 131 15 140338 14/33	The second secon			***************************************	-	-	-		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	X			+		-			3
acmiona _ J37_ 1\5-140301 14/03					\dashv					,		-	1		-	$-\parallel$		<u> </u>
15 14050 1465					+	+		-	× ×	-								
COMIGNA 98 139_ 1.5_14030x 19/03	3 7 8			H				++	$\frac{1}{x}$	X			-	-	-		_	<u> </u>
EMIONO PB-14030B 14/00	x	1							$\frac{1}{\sqrt{2}}$	X			-		-			-
ECMIONA_SPI_14038 1403	The state of the s	1	-		-				×	X		~			-			
-CM1040-582-140308 14/03	3 8		+		_	TO THE REAL PROPERTY.		++				-						
		1			_	-		++	X	Δ	×	X						
			+		- Control	+		+							_			27.000
Comments:							-				vletals (1000000						
sch4p4(6) Personal information	sch4p4(6) Person			7	1	7						Cr C			-	-	~	<u> </u>
21-373 Relinquished by:		Dai	e/Time:	III A	031	08			Received	by:	√14μ4((0) Fels	2	238	729	Date/T Pag	me: 20/ e 42 of 56	3/08 93
reinquished by:	Signed:	Dat	e/Time:						Received	by:			S. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10	Š		Date/T		



Environmental Consulting Pty. Ltd.

3 Kingston Town Close, Oakleigh, Victoria 3166, Australia Postal address: P. O. Box 276, Oakleigh, Victoria 3166, Australia Telephone: (03) 9564 7055 Fax: (03) 9564 7190 Email: mgt@mgtenv.com.au

CERTIFICATE OF ANALYSIS

Level 1, 60 Leichhardt street

Spring Hill **QLD 4004**

Site: 0081610 FORMER QUILPIC DEPOT

Report Number: 223829 Page 1 of 66

Order Number:

Date Received: Mar 20, 2008 Date Sampled: Mar 12, 2008 Date Reported: Mar 31, 2008 Contact: sch4p4(6) Personal ir

Methods

USEPA 6010B Heavy Metals & USEPA 7470/71

USEPA 8141A Organophosphorus Pesticides USEPA 8270C Phenols

USEPA 8082 Polychlorinated Biphenyls

USEPA 8081A Organochlorine Pesticides

USEPA 8270C Polycyclic Aromatic Hydrocarbons USEPA 8260B - MGT 350A Monocyclic Aromatic Hydrocarbons

MGT100A-GC Total Recoverable Hydrocarbons USEPA 6020 Heavy Metals

Method 102 - ANZÉCC - % Moisture

APHA 3500-Cr Hexavalent Chromium-(Extraction:- USEPA3060)

Comments

Notes

1. The results in this report supersede any previously corresponded results.

2. All Soil Results are reported on a dry basis.

Samples are analysed on an as received basis.

 LORis are matrix dependent. Stated LOR's may be raised where sample extracts are diluted due to interferences. **ABBREVIATIONS**

mg/kg: milligrams per kilograms, mg/L: milligrams per litre, ppm: parts per million,

LŎR: Limit of Reporting

RPD: Relative Percent Difference **CRM**: Certified Reference Material LCS: Laboratory Control Sample

Au	thorised	

Report Number: 223829

sch4p4(6) Personal information

Laboratory Manager **NATA Signatory**

CHIEF OF GAME CHEMIST **NATA Signatory**

CHICI THOI game Chemis

NATA Accredited Laboratory Number 1261 The tests, calibrations or me (y) Number 1491

Calibrations or measurements covered by this document have been performed in accordance with NATA requirements which include the his of ISO/IEC 17025 and are traceable to national standards of measurement. This document shall not be reproduced, except in full.



Page 45 of 56



Environmental Consulting Pty. Ltd.

3 Kingston Town Close, Oakleigh, Victoria 3166, Australia Postal address: P. O. Box 276, Oakleigh, Victoria 3166, Australia Telephone: (03) 9564 7055 Fax: (03) 9564 7190 Email: mqt@mqtenv.com.au

ERM	Client Sample ID	- WAN	CCM104Q_VP1_	CCM4040 VP2	0014040 1/50	Ingress to the
Level 1, 60 Leichhardt street		11	130308	CCM104Q_VP2_ 130308	CCM104Q_VP3_ 130308	CCM104Q_VP4_ 130308
Spring Hill	Lab Number		08-MA08236	08-MA08237	08-MA08238	08-MA08239
QLD 4004	Matrix		Soil	Soil	Soil	Soil
	Sample Date		Mar 13, 2008	Mar 13, 2008	Mar 13, 2008	Mar 13, 2008
Analysis Type	LOR	Units				
Total Recoverable Hydrocarbons	3.3	de jii		7,5		
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	250	89	41
TRH C10-C14 Fraction by GC	50	mg/kg	< 50	1100	380	210
TRH C15-C28 Fraction by GC	100	mg/kg	< 100	1900	330	280
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons	an Na agu	200	5 7/8		1111 V V V	
Benzene	0.05	mg/kg	< 0.05	2.4	< 0.05	< 0.05
Toluene	0.05	mg/kg	< 0.05	0.17	2.6	0.29
Ethylbenzene	0.05	mg/kg	< 0.05	4.2	4.1	1.5
Xylenes(ortho.meta and para)	0.05	mg/kg	< 0.05	17	27	9.6
Fluorobenzene (surr.)	1	%	84	105	94	75
Polycyclic Aromatic Hydrocarbons	Service AVA					7.5
Acenaphthene	0.1	mg/kg	< 0.1	< 0.1		< 0.1
Acenaphthylene	0.1	mg/kg	< 0.1	< 0.1		< 0.1
Anthracene	0.1	mg/kg	< 0.1	< 0.1		< 0.1
Benz(a)anthracene	0.1	mg/kg	< 0.1	< 0.1		< 0.1
Benzo(a)pyrene	0.1	mg/kg	< 0.1	< 0.1	=	< 0.1
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1	< 0.1		< 0.1
Benzo(g.h.i)perylene	0.1	mg/kg	< 0.1	< 0.1		< 0.1
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Chrysene	0.1	mg/kg	< 0.1	< 0.1		< 0.1
Dibenz(a.h)anthracene	- 0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Fluoranthene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Fluorene	0.1	mg/kg	< 0.1	< 0.2		< 0.1
ndeno(1.2.3-cd)pyrene	0.1	mg/kg	< 0.1	< 0.1		< 0.1
Naphthalene	0.1	mg/kg	< 0.1	1.0		E - Levolet A
Phenanthrene	0.1	mg/kg	0.2	0.4	-	1.0 0.2
Pyrene	0.1	mg/kg	< 0.1	< 0.1		
Total PAH	0.1	mg/kg	0.2	1.4	2 2	< 0.1
Chrysene-d12 (surr.)	1	%	117	100	2	1.2
2-Fluorobiphenyl (surr.)	. 1	%	110	91	-	90

COMMENTS:

MGT Report No. 223829 Page 2 of 66



ERM	Client Sample ID		CCM104Q_VP1_ 130308	CCM104Q_VP2_ 130308	CCM104Q_VP3_ 130308	CCM104Q_VP4_ 130308
Level 1, 60 Leichhardt street	Lab Number		08-MA08236	08-MA08237	08-MA08238	08-MA08239
Spring Hill	Matrix		Soil	Soil	Soil	Soil
QLD 4004	Sample Date		Mar 13, 2008	Mar 13, 2008	Mar 13, 2008	Mar 13, 2008
Analysis Type	LOR	Units		E 1 2 1		
Phenols						ež n. n l. nil
2-Chlorophenol	0.1	mg/kg	< 0.1	< 0.1		< 0.1
2-Methylphenol (o-Cresol)	0.1	mg/kg	< 0.1	< 0.1	9	< 0.1
2-Nitrophenol	0.5	mg/kg	< 0.5	< 0.5	o ≅	< 0.5
2.4-Dichlorophenol	0.1	mg/kg	< 0.1	< 0.1	¥	< 0.1
2.4-Dimethylphenol	0.1	mg/kg	< 0.1	< 0.1	L t	< 0.1
2.4.6-Trichlorophenol	0.1	mg/kg	< 0.1	< 0.1	#	< 0.1
2.6-Dichlorophenol	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
3&4-Methylphenol (m&p-Cresol)	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
4-Chloro-3-methylphenol	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Pentachlorophenol	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Phenol	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Phenol-d6 (surr.)	1	%	110	83		82
	0 1		V EV	ipo ir s		1.5
% Moisture	0.1	%	17	12	12	9.3
Heavy Metals	Here I in the	V = 1000 00	11	V.		
Lead	5	mg/kg	< 5	6.4	5.0	< 5
Lead	E .					

COMMENTS:



EDM.			5	Email: mgt@n	ngtenv.com.au	
ERM	Client Sample ID		CCM104Q_VP5_ 130308	CCM104Q_VP6_ 130308	CCM104Q_VP7_ 130308	CCM104Q_VP8_ 130308
Level 1, 60 Leichhardt street	Lab Number		08-MA08240	08-MA08241	08-MA08242	08-MA08243
Spring Hill QLD 4004	Matrix	E	Soil	Soil	Soil	Soil
STANDARD BANKE IN	Sample Date		Mar 13, 2008	Mar 13, 2008	Mar 13, 2008	Mar 13, 2008
Analysis Type	LOR	Units				2000 (100 100 100 00 00 00 00 00 00 00 00 00 0
Total Recoverable Hydrocarbons	11/19 20,000	11.2				W 20
TRH C6-C9 Fraction by GC	20	mg/kg	2800	< 20	< 20	< 20
TRH C10-C14 Fraction by GC	50	mg/kg	1200	< 50	< 50	< 50
TRH C15-C28 Fraction by GC	100	mg/kg	1400	< 100	< 100	< 100
TRH C29-C36 Fraction by GC	100	mg/kg ·	< 100	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons	sulf os ou	e n'n		, 100°	100	V 100
Benzene	0.05	mg/kg	18	< 0.05	< 0.05	< 0.05
Toluene	0.05	mg/kg	410	< 0.05	< 0.05	< 0.05
Ethylbenzene	0.05	mg/kg	67	< 0.05	< 0.05	< 0.05
Xylenes(ortho.meta and para)	0.05	mg/kg	460	< 0.05	< 0.05	55000000000
Fluorobenzene (surr.)	1 1	%	76	82	71	< 0.05
Polycyclic Aromatic Hydrocarbons		()		02	<i>I</i> -1	70
Acenaphthene	0.1	mg/kg		< 0.1	1 1 1 1 1 1 1 1	
Acenaphthylene	0.1	mg/kg		< 0.1	-	< 0.1
Anthracene	0,1	mg/kg		< 0.1	*	< 0.1
Benz(a)anthracene	0.1	mg/kg		< 0.1	-	< 0.1
Benzo(a)pyrene	0.1	mg/kg		< 0.1	-	< 0.1
Benzo(b)fluoranthene	0.1	mg/kg	-	< 0.1	-	< 0.1
Benzo(g.h.i)perylene	0.1	mg/kg		< 0.1	-	< 0.1
Benzo(k)fluoranthene	0.1	mg/kg		< 0.1	-	< 0.1
Chrysene	0.1	mg/kg	-	< 0.1	-	< 0.1
Dibenz(a.h)anthracene	0.1	mg/kg		< 0.1	-	< 0.1
Fluoranthene	0.1	mg/kg	1.5	< 0.1	82	< 0.1
Fluorene	0.1	mg/kg		< 0.1	:=	< 0.1
ndeno(1.2.3-cd)pyrene	0.1	mg/kg	VE.	< 0.1	7/26	< 0.1
Naphthalene	0.1	mg/kg		100%	\ \	< 0.1
Phenanthrene	0.1			< 0.1	344 14	< 0.1
Pyrene	0.1	mg/kg		< 0.1	-	< 0.1
otal PAH	0.1	mg/kg	- 16 III	< 0.1	8#	< 0.1
Chrysene-d12 (surr.)	1	mg/kg	*	< 0.1	(2)	< 0.1
2-Fluorobiphenyl (surr.)	1	%		100 97	Y <u>#</u>	127
	*	70		91	-	103

COMMENTS:

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ERM	Client Sample ID		CCM104Q_VP5_ 130308	CCM104Q_VP6_ 130308	CCM104Q_VP7_ 130308	CCM104Q_VP8_ 130308
Level 1, 60 Leichhardt street	Lab Number		08-MA08240	08-MA08241	08-MA08242	08-MA08243
Spring Hill	Matrix		Soil	Soil	Soil	Soil
QLD 4004	Sample Date	u .	Mar 13, 2008	Mar 13, 2008	Mar 13, 2008	Mar 13, 2008
Analysis Type	LOR	Units		L. Company		8
Phenols					Tall and the same	
2-Chlorophenol	0.1	mg/kg	6	< 0.1	12	< 0.1
2-Methylphenol (o-Cresol)	0.1	mg/kg	•	< 0.1	12	< 0.1
2-Nitrophenol	0.5	mg/kg		< 0.5	2	< 0.5
2.4-Dichlorophenol	0.1	mg/kg	· -	< 0.1	2	< 0.1
2.4-Dimethylphenol	0.1	mg/kg	+	< 0.1	2	< 0.1
2.4.6-Trichlorophenol	0.1	mg/kg	9,	< 0.1	-	< 0.1
2.6-Dichlorophenol	0.1	mg/kg	-	< 0.1	=	< 0.1
3&4-Methylphenol (m&p-Cresol)	0.2	mg/kg	-	< 0.2		< 0.2
4-Chloro-3-methylphenol	0.1	mg/kg	-	< 0.1		< 0.1
Pentachlorophenol	0.5	mg/kg	-	< 0.5	-	< 0.5
Phenol	0.1	mg/kg	-	< 0.1		< 0.1
Phenol-d6 (surr.)	2 1	%	-	96		114
, ,	0, 1	17 1				2
% Moisture	0.1	%	15	13	15	13
Heavy Metals			1 2 V	200 20	1 10 10	
Lead	5	mg/kg	5.2	< 5	19	13
Pulhis	**			(S)		

COMMENTS:

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				Email: mgt@m	gtenv.com.au	
ERM .	Client Sample ID	Mark	CCM104Q_VP9_ 130308	CCM104Q_VP10_ 130308	CCM104Q_VP11_ 130308	CCM104Q_VP12 130308
Level 1, 60 Leichhardt street	Lab Number		08-MA08244	08-MA08245	08-MA08246	08-MA08247
Spring Hill QLD 4004	Matrix		Soil	Soil	Soil	Soil
The state of the s	Sample Date		Mar 13, 2008	Mar 13, 2008	Mar 13, 2008	Mar 13, 2008
Analysis Type	LOR	Units				
Total Recoverable Hydrocarbons		ILW 1840			T 12 / 2 12	
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	< 20	< 20	< 20
TRH C10-C14 Fraction by GC	50	mg/kg	1500	< 50	3800	< 50
TRH C15-C28 Fraction by GC	100	mg/kg	3300	160	7900	< 100
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100	< 100
Monocyclic Aromatic Hydrocarbons	Teal y			100	100	V 100
Benzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05
Toluene	0.05	mg/kg	0.14	< 0.05	< 0.1	< 0.05
Ethylbenzene	0.05	mg/kg	0.64	< 0.05	< 0.05	< 0.05
Xylenes(ortho.meta and para)	0.05	mg/kg	0.26	< 0.05	< 0.1	< 0.05
Fluorobenzene (surr.)	1	%	84	79	77	79
Polycyclic Aromatic Hydrocarbons		18 7/2		10	11	79
Acenaphthene	0.1	mg/kg		< 0.1		< 0.1
Acenaphthylene	0.1	mg/kg	100	< 0.1	E 9	< 0.1
Anthracene	0.1	mg/kg		< 0.1	=:	200,10000.0
Benz(a)anthracene	0.1	mg/kg		< 0.1	-	< 0.1
Benzo(a)pyrene	0.1	mg/kg		< 0.1		< 0.1
Benzo(b)fluoranthene	0.1 v	mg/kg	2	< 0.1	-	< 0.1
Benzo(g.h.i)perylene	0.1	mg/kg	_	< 0.1	-	< 0.1
Benzo(k)fluoranthene	0.1	mg/kg	_	< 0.1	-	< 0.1
Chrysene	0.1	mg/kg	_	< 0.1		< 0.1
Dibenz(a.h)anthracene	0.1	mg/kg	-	< 0.1	W =	< 0.1
Fluoranthene	0.1	mg/kg	-	< 0.1	-	< 0.1
Fluorene	0.1	mg/kg		< 0.1	-	< 0.1
Indeno(1.2.3-cd)pyrene	0.1	mg/kg	-	< 0.1		< 0.1
Naphthalene	0.1	mg/kg		< 0.1	K-2	< 0.1
Phenanthrene	0.1	mg/kg		< 0.1	92	< 0.1
Pyrene	0.1	mg/kg	0.5	1973	% <u>=</u>	< 0.1
Total PAH	0.1	mg/kg	U.S.	< 0.1		< 0.1
Chrysene-d12 (surr.)	1	%		< 0.1	.=	< 0.1
2-Fluorobiphenyl (surr.)	1	%	97.	97 86	78 A	116 112

COMMENTS:

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ERM	Client Sample ID		CCM104Q_VP9_ 130308	CCM104Q_VP10_ 130308	CCM104Q_VP11_ 130308	CCM104Q_VP12_ 130308
Level 1, 60 Leichhardt street	Lab Number		08-MA08244	08-MA08245	08-MA08246	08-MA08247
Spring Hill	Matrix		Soil	Soil	Soil	Soil
QLD 4004	Sample Date		Mar 13, 2008	Mar 13, 2008	Mar 13, 2008	Mar 13, 2008
Analysis Type	LOR	Units	70			The same
PhenoIs		y are a				Marie Const.
2-Chlorophenol	0.1	mg/kg	5	< 0.1		< 0.1
2-Methylphenol (o-Cresol)	0.1	mg/kg	AF4	< 0.1	÷	< 0.1
2-Nitrophenol	0.5	mg/kg		< 0.5	-	< 0.5
2.4-Dichlorophenol	0.1	mg/kg	152	< 0.1	9	< 0.1
2.4-Dimethylphenol	0.1	mg/kg) ·	< 0.1		< 0.1
2.4.6-Trichlorophenol	0.1	mg/kg	-	< 0.1	(4	< 0.1
2.6-Dichlorophenol	0.1	mg/kg	7 -	< 0.1		< 0.1
3&4-Methylphenol (m&p-Cresol)	0.2	mg/kg	5 =	< 0.2	-	< 0.2
4-Chloro-3-methylphenol	0.1	mg/kg	7.E	< 0.1		< 0.1
Pentachlorophenol	0.5	mg/kg	=	< 0.5		< 0.5
Phenoi	0.1	mg/kg	-	< 0.1	-	< 0.1
Phenol-d6 (surr.)	1	%	-	93	-	106
					1 0 0 0 1	
% Moisture	0.1	%	12	10	11	9.5
Heavy Metals		担		(4		
heal	5	mg/kg	9.7	< 5	7.1	5.5
Pullo III	×					

COMMENTS:

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EDM	Email: mgt@mgtenv.com.au							
ERM	Client Sample ID		CCM104Q_VP13_ 130308	CCM104Q_VP14_ 130308	CCM104Q_VP15_ 130308	CCM104Q_VP16		
Level 1, 60 Leichhardt street	Lab Number		08-MA08248	08-MA08249	08-MA08250	08-MA08251		
Spring Hill	Matrix		Soil	Soil	Soil	Soil		
QLD 4004	Sample Date		Mar 13, 2008	Mar 13, 2008	Mar 13, 2008	Mar 13, 2008		
Analysis Type	LOR	Units			13,233	10, 2000		
Total Recoverable Hydrocarbons				V V V	el v			
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	< 20	< 20	< 20		
TRH C10-C14 Fraction by GC	50	mg/kg	< 50	1400	< 50	< 50		
TRH C15-C28 Fraction by GC	100	mg/kg	< 100	4100	< 100	< 100		
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100	< 100		
Monocyclic Aromatic Hydrocarbons				100	100	100		
Benzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05		
Toluene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05		
Ethylbenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05		
Xylenes(ortho.meta and para)	0.05	mg/kg	< 0.05	< 0.05	0.15	1,000,000,000,000		
Fluorobenzene (surr.)	1	%	78	91	81	< 0.05		
Polycyclic Aromatic Hydrocarbons			7.5	31	01	90		
Acenaphthene	0.1	mg/kg		< 0.1		101		
Acenaphthylene	0.1	mg/kg		< 0.1	-	< 0.1		
Anthracene	0.1	mg/kg		< 0.1	-	< 0.1		
Benz(a)anthracene	0.1	mg/kg		< 0.1		< 0.1		
Benzo(a)pyrene	0.1	mg/kg		< 0.1	-	< 0.1		
Benzo(b)fluoranthene	0.1	mg/kg		< 0.1		< 0.1		
Benzo(g.h.i)perylene	0.1	mg/kg		< 0.1	- 3	< 0.1		
Benzo(k)fluoranthene	0.1	mg/kg	<u> </u>	< 0.1	38	< 0.1		
Chrysene	0.1	mg/kg	1(=	< 0.1	\ <u>-</u>	< 0.1		
Dibenz(a.h)anthracene	0.1	mg/kg		DOM:	5 4	< 0.1		
Fluoranthene	0.1	mg/kg	25	< 0.1 < 0.1	S 72	< 0.1		
Fluorene	0.1	mg/kg	X27.	< 0.1	(-	< 0.1		
Indeno(1.2.3-cd)pyrene	0.1	mg/kg	270	12:550	12	< 0.1		
Naphthalene	0.1	mg/kg		< 0.1	:#	< 0.1		
Phenanthrene	0.1			< 0.1	()	< 0.1		
Pyrene	0.1	mg/kg	777	< 0.1	(#1	< 0.1		
Total PAH	0.1	mg/kg	75	< 0.1	120	< 0.1		
Chrysene-d12 (surr.)	1 1	mg/kg	121	< 0.1	î ⊕ 1	< 0.1		
2-Fluorobiphenyl (surr.)	1	%	7m 2	112	N Sec	121		
and transmitted American American Control of	, all	%) =)	115		90		

COMMENTS:

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Release



ERM	Client Sample ID	Ar of the set	CCM104Q_VP13_ 130308	CCM104Q_VP14_ 130308	CCM104Q_VP15_ 130308	CCM104Q_VP16_ 130308
Level 1, 60 Leichhardt street	Lab Number		08-MA08248	08-MA08249	08-MA08250	08-MA08251
Spring Hill	Matrix		Soil	Soil	Soil	Soil
QLD 4004	Sample Date		Mar 13, 2008	Mar 13, 2008	Mar 13, 2008	Mar 13, 2008
Analysis Type	LOR	Units	= 2 (2) 2	- 6 - 7 1		
Phenois						
2-Chlorophenol	0.1	mg/kg		< 0.1	(-	< 0.1
2-Methylphenol (o-Cresol)	0.1	mg/kg		< 0.1).#.	< 0.1
2-Nitrophenol	0.5	mg/kg	-	< 0.5		< 0.5
2.4-Dichlorophenol	0.1	mg/kg	-	< 0.1		< 0.1
2.4-Dimethylphenol	0.1	mg/kg	-	< 0.1		< 0.1
2.4.6-Trichlorophenol	0.1	mg/kg	9 .	< 0.1		< 0.1
2.6-Dichlorophenol	0.1	mg/kg	-	< 0.1		< 0.1
3&4-Methylphenol (m&p-Cresol)	0.2	mg/kg	-	< 0.2	-	< 0.2
4-Chloro-3-methylphenol	0.1	mg/kg	-	< 0.1	-	< 0.1
Pentachlorophenol	0.5	mg/kg	-	< 0.5	-	< 0.5
Phenol	0.1	mg/kg	-	< 0.1	₩.	< 0.1
Phenol-d6 (surr.)	1	%	-	107	350	89
	0 1	Х		= = = ,,	ii ii	
% Moisture	0.1	%	10	13	9.6	11
Heavy Metals			VI VI L	1 , 2 1 1==		A .
	5	mg/kg	< 5	< 5	5.4	16
Lead					Α	

COMMENTS:



EDM	Email: mgt@mgtenv.com.au							
ERM Level 1, 60 Leichhardt street	Client Sample ID		CCM104Q_VP17_ 130308	CCM104Q_QC1_ 130308	CCM104Q_QC2_ 130308	CCM104Q_QC3_ 130308		
Spring Hill	Lab Number		08-MA08252	08-MA08253	08-MA08254	08-MA08255		
QLD 4004	Matrix		Soil	Soil	Water	Water		
	Sample Date		Mar 13, 2008	Mar 13, 2008	Mar 13, 2008	Mar 13, 2008		
Analysis Type	LOR	Units				10, 2000		
Total Recoverable Hydrocarbons	No. 2005	1 - 3 mm						
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	< 20	< 0.02	< 0.02		
TRH C10-C14 Fraction by GC	50	mg/kg	< 50	1600	< 0.05	< 0.02		
TRH C15-C28 Fraction by GC	100	mg/kg	140	2100	< 0.1	< 0.03		
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 0.1	71104700		
Monocyclic Aromatic Hydrocarbons	Caron nata		100	100	V 0.1	< 0.1		
Benzene	0.05	mg/kg	< 0.05	< 0.05	< 0.001	10.001		
Toluene	0.05	mg/kg	< 0.05	< 0.05	< 0.001	< 0.001		
Ethylbenzene	0.05	mg/kg	< 0.05	0.43	< 0.001	< 0.001		
Xylenes(ortho.meta and para)	0.05	mg/kg	< 0.05	< 0.1	W000000	< 0.001		
Fluorobenzene (surr.)	1	%	82	89	< 0.001	< 0.001		
Polycyclic Aromatic Hydrocarbons			OZ.	69	95	97		
Acenaphthene	0.1	mg/kg	_	< 0.5	10.004			
Acenaphthylene	0.1	mg/kg		< 0.1	< 0.001	< 0.001		
Anthracene	0.1	mg/kg	- = 20 	3273	< 0.001	< 0.001		
Benz(a)anthracene	0.1	mg/kg	-	0.4	< 0.001	< 0.001		
Benzo(a)pyrene	0.1	mg/kg		< 0.1	< 0.001	< 0.001		
Benzo(b)fluoranthene	0.1	mg/kg		< 0.1	< 0.001	< 0.001		
Benzo(g.h.i)perylene	0.1	mg/kg		< 0.1	< 0.001	< 0.001		
Benzo(k)fluoranthene	0.1	mg/kg		< 0.1	< 0.001	< 0.001		
Chrysene	0.1	mg/kg	-	< 0.1	< 0.001	< 0.001		
Dibenz(a.h)anthracene	0.1	mg/kg		< 0.1	< 0.001	< 0.001		
Fluoranthene	0.1		-	< 0.1	< 0.001	< 0.001		
Fluorene	0.1	mg/kg		< 0.5	< 0.001	< 0.001		
ndeno(1.2.3-cd)pyrene	0.1	mg/kg	-	< 2	< 0.001	< 0.001		
Naphthalene	0.1	mg/kg		< 0.1	< 0.001	< 0.001		
Phenanthrene	0.1	mg/kg		2.4	< 0.001	< 0.001		
Pyrene	0.1	mg/kg		2.1	< 0.001	< 0.001		
otal PAH	0.1	mg/kg		< 0.5	< 0.001	< 0.001		
Chrysene-d12 (surr.)	2753	mg/kg		4.9	< 0.001	< 0.001		
-Fluorobiphenyl (surr.)	1	%	-	116	119	104		
a series of the	1	%	:=:	101	87	88		

COMMENTS:

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ERM	Client Sample ID		CCM104Q_VP17_ 130308	CCM104Q_QC1_ 130308	CCM104Q_QC2_ 130308	CCM104Q_QC3_ 130308
Level 1, 60 Leichhardt street	Lab Number	1	08-MA08252	08-MA08253	08-MA08254	08-MA08255
Spring Hill	Matrix		Soil	Soil	Water	Water
QLD 4004	Sample Date		Mar 13, 2008	Mar 13, 2008	Mar 13, 2008	Mar 13, 2008
Analysis Type	LOR	Units			1 5 5 1	
Phenois	STEEL SET				The state of the s	
2-Chlorophenol	0.1	mg/kg	6	< 0.1	< 0.001	< 0.001
2-Methylphenol (o-Cresol)	0.1	mg/kg		< 0.1	< 0.001	< 0.001
2-Nitrophenol	0.5	mg/kg	-	< 0.5	< 0.005	< 0.005
2.4-Dichlorophenol	0.1	mg/kg		< 0.1	< 0.001	< 0.001
2.4-Dimethylphenol	0.1	mg/kg		< 0.1	< 0.001	< 0.001
2.4.6-Trichlorophenol	0.1	mg/kg	9.	< 0.1	< 0.001	< 0.001
2.6-Dichlorophenol	0.1	mg/kg	-	< 0.1	< 0.001	< 0.001
3&4-Methylphenol (m&p-Cresol)	0.2	mg/kg	-	< 0.2	< 0.002	< 0.002
4-Chloro-3-methylphenol	0.1	mg/kg	-	< 0.1	< 0.001	< 0.001
Pentachlorophenol	0.5	mg/kg	*:	< 0.5	< 0.005	< 0.005
Phenol	0.1	mg/kg	-	< 0.1	< 0.001	< 0.001
Phenol-d6 (surr.)	1	%	-	100	90	78
1 (1 2 2 1	0.00					
% Moisture	0.1	%	10	14		
Heavy Metals	ll a v	5 2 202 E			N III	
Lead	5	mg/kg	46	6.4	< 0.001	< 0.001
Rulhish			а	V	\$.5

COMMENTS:



	Email: mgt@mgtenv.com.au							
ERM	Client Sample ID		CCM104Q_QC4_ 140308	CCM104Q_QC5_ 140308	CCM104Q_QC6_ 140308	CCM104Q_QC7_ 140308		
Level 1, 60 Leichhardt street	Lab Number		08-MA08256	08-MA08257	08-MA08258	08-MA08259		
Spring Hill	Matrix		Water	Soil	Soil	Soil		
QLD 4004	Sample Date		Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008		
Analysis Type	LOR	Units			ACCOUNT OF THE PROPERTY OF			
Total Recoverable Hydrocarbons	8 2 1911				10 Ta			
TRH C6-C9 Fraction by GC	0.02	mg/L	< 0.02	92	110	< 20		
TRH C10-C14 Fraction by GC	0.05	mg/L	< 0.05	6900	590	< 50		
TRH C15-C28 Fraction by GC	0.1	mg/L	< 0.1	6300	580	< 100		
TRH C29-C36 Fraction by GC	0.1	mg/L	< 0.1	< 100	< 100	< 100		
Monocyclic Aromatic Hydrocarbons					100	100		
Benzene	0.001	mg/L	< 0.001	0.31	0.21	< 0.05		
Toluene	0.001	mg/L	< 0.001	< 0.05	< 0.05	< 0.05		
Ethylbenzene	0.001	mg/L	< 0.001	3.3	2.0	< 0.05		
Xylenes(ortho.meta and para)	0.001	mg/L	< 0.001	3.3	3.0	< 0.05		
Fluorobenzene (surr.)	1	%	91	74	100	81		
Polycyclic Aromatic Hydrocarbons	- H - HS - 2		11 11 1		100	01		
Acenaphthene	0.001	mg/L	< 0.001	< 2	< 0.2	< 0.1		
Acenaphthylene	0.001	mg/L	< 0.001	< 1	< 0.1	< 0.1		
Anthracene	0.001	mg/L	< 0.001	<1	< 0.1	< 0.1		
Benz(a)anthracene	0.001	mg/L	< 0.001	< 0.2	0.2	< 0.1		
Benzo(a)pyrene	0.001	mg/L	< 0.001	< 0.1	0.1	< 0.1		
Benzo(b)fluoranthene	0.001	mg/L	< 0.001	< 0.1	0.1	< 0.1		
Benzo(g.h.i)perylene	0.001	mg/L	< 0.001	< 0.1	< 0.1	< 0.1		
Benzo(k)fluoranthene	0.001	mg/L	< 0.001	< 0.1	0.1	< 0.1		
Chrysene	0.001	mg/L	< 0.001	< 0.1	0.3	< 0.1		
Dibenz(a.h)anthracene	0.001	mg/L	< 0.001	< 0.1	< 0.1	< 0.1		
Fluoranthene	0.001	mg/L	< 0.001	< 0.5	0.8	< 0.1		
Fluorene	0.001	mg/L	< 0.001	< 5	<.1	< 0.1		
Indeno(1.2.3-cd)pyrene	0.001	mg/L	< 0.001	< 0.1	< 0.1	< 0.1		
Naphthalene	0.001	mg/L	< 0.001	21	4.1	< 0.1		
Phenanthrene	0.001	mg/L	< 0.001	10	1.6	< 0.1		
Pyrene	0.001	mg/L	< 0.001	< 1	0.8	< 0.1		
Total PAH	0.001	mg/L	< 0.001	31	8.1	1000000000		
Chrysene-d12 (surr.)	1	%	96	129	121	< 0.1		
2-Fluorobiphenyl (surr.)	1	%	95	108	129	108 76		

COMMENTS:

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ERM		Client Sample ID		CCM104Q_QC4_ 140308	CCM104Q_QC5_ 140308	CCM104Q_QC6_ 140308	CCM104Q_QC7_ 140308
Level 1, 60 Leichhard	t street	Lab Number		08-MA08256	08-MA08257	08-MA08258	08-MA08259
Spring Hill		Matrix		Water	Soil	Soil	Soil
QLD 4004		Sample Date		Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008
Analysis Type		LOR	Units	40	4 Consultane	W. M. S. C.	X 2
Phenois			3		0 10 0		Land N. C. C.
2-Chlorophenol		0.001	mg/L	< 0.001	< 0.1	< 0.1	< 0.1
2-Methylphenol (o-Cres	sol)	0.001	mg/L	< 0.001	< 0.1	< 0.1	< 0.1
2-Nitrophenol	a	0.005	mg/L	< 0.005	< 2	< 0.5	< 0.5
2.4-Dichlorophenol		0.001	mg/L	< 0.001	< 0.1	< 0.1	< 0.1
2.4-Dimethylphenol		0.001	mg/L	< 0.001	<1	< 0.1	< 0.1
2.4.6-Trichlorophenol		0.001	mg/L	< 0.001	< 0.1	< 0.1	< 0.1
2.6-Dichlorophenol		0.001	mg/L	< 0.001	<1	< 0.1	< 0.1
3&4-Methylphenol (m&	p-Cresol)	0.002	mg/L	< 0.002	< 0.2	< 0.2	< 0.2
4-Chloro-3-methylpher	nol	0.001	mg/L	< 0.001	< 0.1	< 0.1	< 0.1
Pentachlorophenol	6 0	0.005	mg/L	< 0.005	< 0.5	< 0.5	< 0.5
Phenol		0.001	mg/L	< 0.001	< 0.1	< 0.1	< 0.1
Phenol-d6 (surr.)		1	%	95	103	123	79
# X	e was a Single of the single o						
% Moisture		0.1	%	-	16	14	13
Heavy Metals						X III	
Lead		0.001	mg/L	< 0.001	< 5	7.3	· < 5
N 2	Rublish		ii	9		53	
		e				e .	

COMMENTS:

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<u>1-1000</u>	Email: mgt@mgtenv.com.au							
ERM	Client Sample ID		CCM104Q_QC8_ 140308	CCM104Q_QC9_ 140308	CCM104Q_QC10_ 140308	CCM104Q_QC11_ 140308		
Level 1, 60 Leichhardt street	Lab Number		08-MA08260	08-MA08261	08-MA08262	08-MA08263		
Spring Hill	Matrix		Soil	Soil	Soil	Soil		
QLD 4004	Sample Date		Mar 14, 2008	Mar 14, 2008	Mar 14, 2008	Mar 14, 2008		
Analysis Type	LOR	Units			ROSERV. IF DEMONSTRATE	,,		
Total Recoverable Hydrocarbons		n fai w						
TRH C6-C9 Fraction by GC	20	mg/kg	< 20	< 20	48	< 20		
TRH C10-C14 Fraction by GC	50	mg/kg	< 50	< 50	2600	< 50		
TRH C15-C28 Fraction by GC	100	mg/kg	< 100	< 100	4300	140		
TRH C29-C36 Fraction by GC	100	mg/kg	< 100	< 100	< 100	< 100		
Monocyclic Aromatic Hydrocarbons				100	100	100		
Benzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05	< 0.05		
Toluene	0.05	mg/kg	< 0.05	< 0.05	0.14	< 0.05		
Ethylbenzene	0.05	mg/kg	< 0.05	< 0.05	1.8	< 0.05		
Xylenes(ortho.meta and para)	0.05	mg/kg	< 0.05	< 0.05	0.24	< 0.05		
Fluorobenzene (surr.)	1	%	134	108	76	AS A PROPERTY AS		
Polycyclic Aromatic Hydrocarbons			104	100	/6	72		
Acenaphthene	0.1	mg/kg	< 0.1	< 0.1	< 2			
Acenaphthylene	0.1	mg/kg	< 0.1	< 0.1	1.025	< 0.1		
Anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.2	< 0.1		
Benz(a)anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1		
Benzo(a)pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1		
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1		
Benzo(g.h.i)perylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1		
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1	W00.100	< 0.1	< 0.1		
Chrysene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1		
Dibenz(a.h)anthracene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1		
Fluoranthene	0.1		927.1	< 0.1	< 0.1	< 0.1		
Fluorene	0.1	mg/kg	< 0.1	< 0.1	< 0.5	< 0.1		
Indeno(1.2.3-cd)pyrene	0.1	mg/kg	< 0.1	< 0.1	< 0.5	< 0.1		
Naphthalene	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1		
Phenanthrene	0.1	mg/kg	< 0.1	< 0.1	<1	< 0.1		
Pyrene	0.1	mg/kg	< 0.1	< 0.1	0.6	< 0.1		
Total PAH	0.1	mg/kg	< 0.1	< 0.1	< 0.5	< 0.1		
Chrysene-d12 (surr.)	-	mg/kg	< 0.1	< 0.1	0.6	< 0.1		
2-Fluorobiphenyl (surr.)	1	%	99	108	100	120		
2 i ladiosprotificati.)	1	%	80	96	91	123		

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