

Certificate of Analysis

WSP Environmental Pty Ltd
Level 1, 41 McLaren Street
North Sydney
NSW 2060

Attention: Stephen Barnett

Report
Client Reference
Received Date

289437-S
COLUMBIA PRECINCT HOMEBUSH 15742
Feb 03, 2011

Client Sample ID			TRIP1
Sample Matrix			Soil
mgt-LabMark Sample No.			11-FE02281
Date Sampled			Jan 27, 2011
Test/Reference	LOR	Unit	
Total Recoverable Hydrocarbons			
TRH C6-C9 Fraction by GC	20	mg/kg	< 20
TRH C10-C14 Fraction by GC	50	mg/kg	< 50
TRH C15-C28 Fraction by GC	100	mg/kg	< 100
TRH C29-C36 Fraction by GC	100	mg/kg	< 100
TRH C10-36 (Total)	100	mg/kg	< 100
Monocyclic Aromatic Hydrocarbons			
Benzene	0.05	mg/kg	< 0.05
Toluene	0.05	mg/kg	< 0.05
Ethylbenzene	0.05	mg/kg	< 0.05
o-Xylene	0.05	mg/kg	< 0.05
Total m+p-Xylenes	0.10	mg/kg	< 0.1
Xylenes(ortho.meta and para)	0.15	mg/kg	< 0.15
Fluorobenzene (surr.)	1	%	98
Polycyclic Aromatic Hydrocarbons			
Acenaphthene	0.1	mg/kg	< 0.1
Acenaphthylene	0.1	mg/kg	< 0.1
Anthracene	0.1	mg/kg	< 0.1
Benz(a)anthracene	0.1	mg/kg	< 0.1
Benzo(a)pyrene	0.1	mg/kg	< 0.1
Benzo(b)fluoranthene	0.1	mg/kg	< 0.1
Benzo(g,h,i)perylene	0.1	mg/kg	< 0.1
Benzo(k)fluoranthene	0.1	mg/kg	< 0.1
Chrysene	0.1	mg/kg	< 0.1
Dibenz(a,h)anthracene	0.1	mg/kg	< 0.1
Fluoranthene	0.1	mg/kg	< 0.1
Fluorene	0.1	mg/kg	< 0.1
Indeno(1.2.3-cd)pyrene	0.1	mg/kg	< 0.1
Naphthalene	0.1	mg/kg	< 0.1
Phenanthrene	0.1	mg/kg	< 0.1
Pyrene	0.1	mg/kg	< 0.1
Total PAH	0.1	mg/kg	< 0.1
p-Terphenyl-d14 (surr.)	1	%	108
2-Fluorobiphenyl (surr.)	1	%	100
Volatile Organics			
1.1-Dichloroethane	0.05	mg/kg	< 0.05
1.1-Dichloroethene	0.05	mg/kg	< 0.05
1.1.1-Trichloroethane	0.05	mg/kg	< 0.05
1.1.1.2-Tetrachloroethane	0.05	mg/kg	< 0.05

Client Sample ID			TRIP1
Sample Matrix			Soil
mgt-LabMark Sample No.			11-FE02281
Date Sampled			Jan 27, 2011
Test/Reference	LOR	Unit	
1.1.2-Trichloroethane	0.05	mg/kg	< 0.05
1.1.2.2-Tetrachloroethane	0.05	mg/kg	< 0.05
1.2-Dibromoethane	0.05	mg/kg	< 0.05
1.2-Dichlorobenzene	0.05	mg/kg	< 0.05
1.2-Dichloroethane	0.05	mg/kg	< 0.05
1.2-Dichloropropane	0.05	mg/kg	< 0.05
1.2.3-Trichloropropane	0.05	mg/kg	< 0.05
1.2.4-Trimethylbenzene	0.05	mg/kg	< 0.05
1.3-Dichlorobenzene	0.05	mg/kg	< 0.05
1.3-Dichloropropane	0.05	mg/kg	< 0.05
1.3.5-Trimethylbenzene	0.05	mg/kg	< 0.05
1.4-Dichlorobenzene	0.05	mg/kg	< 0.05
2-Butanone (MEK)	0.05	mg/kg	< 0.05
2-Propanone (Acetone)	0.05	mg/kg	< 0.05
4-Chlorotoluene	0.05	mg/kg	< 0.05
4-Methyl-2-pentanone (MIBK)	0.05	mg/kg	< 0.05
Allyl chloride	0.05	mg/kg	< 0.05
Bromobenzene	0.05	mg/kg	< 0.05
Bromochloromethane	0.05	mg/kg	< 0.05
Bromodichloromethane	0.05	mg/kg	< 0.05
Bromoform	0.05	mg/kg	< 0.05
Bromomethane	0.05	mg/kg	< 0.05
Carbon disulfide	0.05	mg/kg	< 0.05
Carbon Tetrachloride	0.05	mg/kg	< 0.05
Chlorobenzene	0.05	mg/kg	< 0.05
Chloroethane	0.05	mg/kg	< 0.05
Chloroform	0.05	mg/kg	< 0.05
Chloromethane	0.05	mg/kg	< 0.05
cis-1.2-Dichloroethene	0.05	mg/kg	< 0.05
cis-1.3-Dichloropropene	0.05	mg/kg	< 0.05
Dibromochloromethane	0.05	mg/kg	< 0.05
Dibromomethane	0.05	mg/kg	< 0.05
Dichlorodifluoromethane	0.05	mg/kg	< 0.05
Iodomethane	0.05	mg/kg	< 0.05
Isopropyl benzene (Cumene)	0.05	mg/kg	< 0.05
Methylene Chloride	0.05	mg/kg	< 0.05
Styrene	0.05	mg/kg	< 0.05
Tetrachloroethene	0.05	mg/kg	< 0.05
trans-1.2-Dichloroethene	0.05	mg/kg	< 0.05
trans-1.3-Dichloropropene	0.05	mg/kg	< 0.05
Trichloroethene	0.05	mg/kg	< 0.05
Trichlorofluoromethane	0.05	mg/kg	< 0.05
Vinyl chloride	0.05	mg/kg	< 0.05
4-Bromofluorobenzene (surr.)	1	%	82
% Moisture	0.1	%	27
Heavy Metals			
Arsenic	2	mg/kg	7.0
Cadmium	0.5	mg/kg	< 0.5
Chromium	5	mg/kg	9.3

Client Sample ID			TRIP1
Sample Matrix			Soil
mgt-LabMark Sample No.			11-FE02281
Date Sampled			Jan 27, 2011
Test/Reference	LOR	Unit	
Copper	5	mg/kg	70
Lead	5	mg/kg	23
Nickel	5	mg/kg	5.3
Zinc	5	mg/kg	62
Mercury	0.1	mg/kg	< 0.1

Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported.

Description	Testing Site	Extracted	Holding Time
Total Recoverable Hydrocarbons - Method: TRH C6-C36 - MGT 100A	Oakleigh	Feb 04, 2011	14 Day
Monocyclic Aromatic Hydrocarbons - Method: USEPA 8260B - MGT 350A Monocyclic Aromatic Hydrocarbons	Oakleigh	Feb 07, 2011	14 Day
Polycyclic Aromatic Hydrocarbons - Method: USEPA 8270C Polycyclic Aromatic Hydrocarbons	Oakleigh	Feb 07, 2011	14 Day
Volatile Organics - Method: USEPA 8260B - MGT 350A Volatile Organics by GCMS	Oakleigh	Feb 07, 2011	14 Day
% Moisture - Method: Method 102 - ANZECC - % Moisture	Oakleigh	Feb 04, 2011	14 Day
Heavy Metals - Method: USEPA 6020 Heavy Metals & USEPA 7470/71 Mercury	Oakleigh	Feb 04, 2011	6 Month

Quality Control Results

Sample, Test, Result Reference	Units	Result 1		Acceptance Limits	Pass Limits	Qualifying Codes
Method Blank						
Total Recoverable Hydrocarbons TRH C6-C36 - MGT 100A						
TRH C6-C9 Fraction by GC	mg/kg	< 20		20	Pass	
TRH C10-C14 Fraction by GC	mg/kg	< 50		50	Pass	
TRH C15-C28 Fraction by GC	mg/kg	< 100		100	Pass	
TRH C29-C36 Fraction by GC	mg/kg	< 100		100	Pass	
Method Blank						
Monocyclic Aromatic Hydrocarbons USEPA 8260B - MGT 350A						
Benzene	mg/kg	< 0.05		0.05	Pass	
Toluene	mg/kg	< 0.05		0.05	Pass	
Ethylbenzene	mg/kg	< 0.05		0.05	Pass	
o-Xylene	mg/kg	< 0.05		0.05	Pass	
Total m+p-Xylenes	mg/kg	< 0.1		0.10	Pass	
Xylenes(ortho.meta and para)	mg/kg	< 0.15		0.15	Pass	
Method Blank						
Polycyclic Aromatic Hydrocarbons USEPA 8270C Polycyclic A						
Acenaphthene	mg/kg	< 0.1		0.1	Pass	
Acenaphthylene	mg/kg	< 0.1		0.1	Pass	
Anthracene	mg/kg	< 0.1		0.1	Pass	
Benz(a)anthracene	mg/kg	< 0.1		0.1	Pass	
Benzo(a)pyrene	mg/kg	< 0.1		0.1	Pass	
Benzo(b)fluoranthene	mg/kg	< 0.1		0.1	Pass	
Benzo(g,h,i)perylene	mg/kg	< 0.1		0.1	Pass	
Benzo(k)fluoranthene	mg/kg	< 0.1		0.1	Pass	
Chrysene	mg/kg	< 0.1		0.1	Pass	
Dibenz(a,h)anthracene	mg/kg	< 0.1		0.1	Pass	
Fluoranthene	mg/kg	< 0.1		0.1	Pass	
Fluorene	mg/kg	< 0.1		0.1	Pass	
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.1		0.1	Pass	
Naphthalene	mg/kg	< 0.1		0.1	Pass	
Phenanthrene	mg/kg	< 0.1		0.1	Pass	
Pyrene	mg/kg	< 0.1		0.1	Pass	
Method Blank						
Volatile Organics USEPA 8260B - MGT 350A Volatile Organics						
1,1-Dichloroethane	mg/kg	< 0.05		0.05	Pass	
1,1-Dichloroethene	mg/kg	< 0.05		0.05	Pass	
1,1,1-Trichloroethane	mg/kg	< 0.05		0.05	Pass	
1,1,1,2-Tetrachloroethane	mg/kg	< 0.05		0.05	Pass	
1,1,2-Trichloroethane	mg/kg	< 0.05		0.05	Pass	
1,1,2,2-Tetrachloroethane	mg/kg	< 0.05		0.05	Pass	
1,2-Dibromoethane	mg/kg	< 0.05		0.05	Pass	
1,2-Dichlorobenzene	mg/kg	< 0.05		0.05	Pass	
1,2-Dichloroethane	mg/kg	< 0.05		0.05	Pass	
1,2-Dichloropropane	mg/kg	< 0.05		0.05	Pass	
1,2,3-Trichloropropane	mg/kg	< 0.05		0.05	Pass	
1,2,4-Trimethylbenzene	mg/kg	< 0.05		0.05	Pass	
1,3-Dichlorobenzene	mg/kg	< 0.05		0.05	Pass	
1,3-Dichloropropane	mg/kg	< 0.05		0.05	Pass	
1,3,5-Trimethylbenzene	mg/kg	< 0.05		0.05	Pass	
1,4-Dichlorobenzene	mg/kg	< 0.05		0.05	Pass	
2-Butanone (MEK)	mg/kg	< 0.05		0.05	Pass	
2-Propanone (Acetone)	mg/kg	< 0.05		0.05	Pass	
4-Chlorotoluene	mg/kg	< 0.05		0.05	Pass	
4-Methyl-2-pentanone (MIBK)	mg/kg	< 0.05		0.05	Pass	
Allyl chloride	mg/kg	< 0.05		0.05	Pass	
Bromobenzene	mg/kg	< 0.05		0.05	Pass	
Bromochloromethane	mg/kg	< 0.05		0.05	Pass	
Bromodichloromethane	mg/kg	< 0.05		0.05	Pass	
Bromoform	mg/kg	< 0.05		0.05	Pass	
Bromomethane	mg/kg	< 0.05		0.05	Pass	
Carbon disulfide	mg/kg	< 0.05		0.05	Pass	
Carbon Tetrachloride	mg/kg	< 0.05		0.05	Pass	
Chlorobenzene	mg/kg	< 0.05		0.05	Pass	
Chloroethane	mg/kg	< 0.05		0.05	Pass	

Sample, Test, Result Reference	Units	Result 1		Acceptance Limits	Pass Limits	Qualifying Codes
Chloroform	mg/kg	< 0.05		0.05	Pass	
Chloromethane	mg/kg	< 0.05		0.05	Pass	
cis-1.2-Dichloroethene	mg/kg	< 0.05		0.05	Pass	
cis-1.3-Dichloropropene	mg/kg	< 0.05		0.05	Pass	
Dibromochloromethane	mg/kg	< 0.05		0.05	Pass	
Dibromomethane	mg/kg	< 0.05		0.05	Pass	
Dichlorodifluoromethane	mg/kg	< 0.05		0.05	Pass	
Iodomethane	mg/kg	< 0.05		0.05	Pass	
Isopropyl benzene (Cumene)	mg/kg	< 0.05		0.05	Pass	
Methylene Chloride	mg/kg	< 0.05		0.05	Pass	
Styrene	mg/kg	< 0.05		0.05	Pass	
Tetrachloroethene	mg/kg	< 0.05		0.05	Pass	
trans-1.2-Dichloroethene	mg/kg	< 0.05		0.05	Pass	
trans-1.3-Dichloropropene	mg/kg	< 0.05		0.05	Pass	
Trichloroethene	mg/kg	< 0.05		0.05	Pass	
Trichlorofluoromethane	mg/kg	< 0.05		0.05	Pass	
Vinyl chloride	mg/kg	< 0.05		0.05	Pass	
Method Blank						
Heavy Metals USEPA 6020 Heavy Metals & USEPA 7470/71 Me						
Arsenic	mg/kg	< 2		2	Pass	
Cadmium	mg/kg	< 0.5		0.5	Pass	
Chromium	mg/kg	< 5		5	Pass	
Copper	mg/kg	< 5		5	Pass	
Lead	mg/kg	< 5		5	Pass	
Nickel	mg/kg	< 5		5	Pass	
Zinc	mg/kg	< 5		5	Pass	
Mercury	mg/kg	< 0.1		0.1	Pass	
LCS - % Recovery						
Total Recoverable Hydrocarbons TRH C6-C36 - MGT 100A		Result 1				
TRH C6-C9 Fraction by GC	%	97		70-130	Pass	
TRH C10-C14 Fraction by GC	%	87		70-130	Pass	
LCS - % Recovery						
Monocyclic Aromatic Hydrocarbons USEPA 8260B - MGT 350A		Result 1				
Benzene	%	111		75-125	Pass	
Toluene	%	112		75-125	Pass	
Ethylbenzene	%	113		75-125	Pass	
Xylenes(ortho.meta and para)	%	106		75-125	Pass	
LCS - % Recovery						
Polycyclic Aromatic Hydrocarbons USEPA 8270C Polycyclic A		Result 1				
Acenaphthene	%	98		70-130	Pass	
Acenaphthylene	%	99		70-130	Pass	
Anthracene	%	90		70-130	Pass	
Benz(a)anthracene	%	91		70-130	Pass	
Benzo(a)pyrene	%	89		70-130	Pass	
Benzo(b)fluoranthene	%	90		70-130	Pass	
Benzo(g,h,i)perylene	%	87		70-130	Pass	
Benzo(k)fluoranthene	%	95		70-130	Pass	
Chrysene	%	94		70-130	Pass	
Dibenz(a,h)anthracene	%	91		70-130	Pass	
Fluoranthene	%	95		70-130	Pass	
Fluorene	%	98		70-130	Pass	
Indeno(1.2.3-cd)pyrene	%	87		70-130	Pass	
Naphthalene	%	96		70-130	Pass	
Phenanthrene	%	100		70-130	Pass	
Pyrene	%	95		70-130	Pass	
LCS - % Recovery						
Volatile Organics USEPA 8260B - MGT 350A Volatile Organics		Result 1				
1.1-Dichloroethene	%	114		75-125	Pass	
1.1.1-Trichloroethane	%	99		75-125	Pass	
1.2-Dichloroethane	%	100		75-125	Pass	
Carbon Tetrachloride	%	99		70-130	Pass	
Trichloroethene	%	110		70-130	Pass	
LCS - % Recovery						
Heavy Metals USEPA 6020 Heavy Metals & USEPA 7470/71 Me		Result 1				
Arsenic	%	102		80-120	Pass	
Cadmium	%	105		80-120	Pass	

Sample, Test, Result Reference	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Codes
Chromium	%	105			80-120	Pass	
Copper	%	112			80-120	Pass	
Lead	%	111			80-120	Pass	
Nickel	%	106			80-120	Pass	
Zinc	%	108			80-120	Pass	
Mercury	%	96			75-125	Pass	
[Duplicate of 11-FE01950 - BATCH]							
Total Recoverable Hydrocarbons		Result 1	Result 2	RPD			
TRH C6-C9 Fraction by GC	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C10-C14 Fraction by GC	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C15-C28 Fraction by GC	mg/kg	< 100	< 100	<1	30%	Pass	
TRH C29-C36 Fraction by GC	mg/kg	< 100	< 100	6.6	30%	Pass	
[Duplicate of 11-FE01950 - BATCH]							
Monocyclic Aromatic Hydrocarbons		Result 1	Result 2	RPD			
Benzene	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Toluene	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Ethylbenzene	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
o-Xylene	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Total m+p-Xylenes	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes(ortho.meta and para)	mg/kg	< 0.15	< 0.15	<1	30%	Pass	
[Duplicate of 11-FE02002 - BATCH]							
Polycyclic Aromatic Hydrocarbons		Result 1	Result 2	RPD			
Acenaphthene	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Acenaphthylene	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Anthracene	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Benz(a)anthracene	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Benzo(a)pyrene	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Benzo(b)fluoranthene	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Benzo(g,h,i)perylene	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Benzo(k)fluoranthene	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Chrysene	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Dibenz(a,h)anthracene	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Fluoranthene	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Fluorene	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Naphthalene	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Phenanthrene	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Pyrene	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
[Duplicate of 11-FE01950 - BATCH]							
Volatile Organics		Result 1	Result 2	RPD			
1,1-Dichloroethane	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
1,1-Dichloroethene	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
1,1,1-Trichloroethane	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
1,1,1,2-Tetrachloroethane	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
1,1,2-Trichloroethane	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
1,1,2,2-Tetrachloroethane	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
1,2-Dibromoethane	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
1,2-Dichlorobenzene	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
1,2-Dichloroethane	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
1,2-Dichloropropane	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
1,2,3-Trichloropropane	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
1,2,4-Trimethylbenzene	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
1,3-Dichlorobenzene	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
1,3-Dichloropropane	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
1,3,5-Trimethylbenzene	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
1,4-Dichlorobenzene	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
2-Butanone (MEK)	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
2-Propanone (Acetone)	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4-Chlorotoluene	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
4-Methyl-2-pentanone (MIBK)	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Allyl chloride	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Bromobenzene	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Bromochloromethane	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Bromodichloromethane	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Bromoform	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Bromomethane	mg/kg	< 0.05	< 0.05	<1	30%	Pass	

Sample, Test, Result Reference	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Codes
Carbon disulfide	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Carbon Tetrachloride	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Chlorobenzene	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Chloroethane	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Chloroform	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Chloromethane	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
cis-1,2-Dichloroethene	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
cis-1,3-Dichloropropene	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dibromochloromethane	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dibromomethane	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Dichlorodifluoromethane	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Iodomethane	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Isopropyl benzene (Cumene)	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Methylene Chloride	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Styrene	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Tetrachloroethene	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
trans-1,2-Dichloroethene	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
trans-1,3-Dichloropropene	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Trichloroethene	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Trichlorofluoromethane	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
Vinyl chloride	mg/kg	< 0.05	< 0.05	<1	30%	Pass	
[Duplicate of 11-FE02286 - BATCH]							
Heavy Metals		Result 1	Result 2	RPD			
Arsenic	mg/kg	5.7	5.4	6	30%	Pass	
Cadmium	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Chromium	mg/kg	14	8.4	52	30%	Fail	Q15
Copper	mg/kg	58	48	18	30%	Pass	
Lead	mg/kg	45	24	61	30%	Fail	Q15
Nickel	mg/kg	39	41	5	30%	Pass	
Zinc	mg/kg	240	190	18	30%	Pass	
Mercury	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
[Spike of 11-FE01950 - BATCH] - % Recovery							
Total Recoverable Hydrocarbons		Result 1					
TRH C6-C9 Fraction by GC	%	93			70 - 130	Pass	
TRH C10-C14 Fraction by GC	%	81			70 - 130	Pass	
[Spike of 11-FE02002 - BATCH] - % Recovery							
Polycyclic Aromatic Hydrocarbons		Result 1					
Acenaphthene	%	111			70 - 130	Pass	
Acenaphthylene	%	112			70 - 130	Pass	
Anthracene	%	102			70 - 130	Pass	
Benz(a)anthracene	%	105			70 - 130	Pass	
Benzo(a)pyrene	%	101			70 - 130	Pass	
Benzo(b)fluoranthene	%	95			70 - 130	Pass	
Benzo(g,h,i)perylene	%	102			70 - 130	Pass	
Benzo(k)fluoranthene	%	115			70 - 130	Pass	
Chrysene	%	104			70 - 130	Pass	
Dibenz(a,h)anthracene	%	107			70 - 130	Pass	
Fluoranthene	%	108			70 - 130	Pass	
Fluorene	%	111			70 - 130	Pass	
Indeno(1,2,3-cd)pyrene	%	106			70 - 130	Pass	
Naphthalene	%	109			70 - 130	Pass	
Phenanthrene	%	114			70 - 130	Pass	
Pyrene	%	108			70 - 130	Pass	
[Spike of 11-FE01950 - BATCH] - % Recovery							
Volatile Organics		Result 1					
1,1-Dichloroethene	%	87			75 - 125	Pass	
1,1,1-Trichloroethane	%	75			75 - 125	Pass	
1,2-Dichlorobenzene	%	79			70 - 130	Pass	
1,2-Dichloroethane	%	76			75 - 125	Pass	
Carbon Tetrachloride	%	76			70 - 130	Pass	
Trichloroethene	%	80			70 - 130	Pass	
[Spike of 11-FE02286 - BATCH] - % Recovery							
Heavy Metals		Result 1					
Arsenic	%	80			75 - 125	Pass	
Cadmium	%	81			75 - 125	Pass	
Chromium	%	92			75 - 125	Pass	

Sample, Test, Result Reference	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Codes
Copper	%	77			75 - 125	Pass	
Lead	%	111			75 - 125	Pass	
Nickel	%	94			75 - 125	Pass	
Zinc	%	95			75 - 125	Pass	
Mercury	%	88			70 - 130	Pass	

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Organic samples had Teflon liners	Yes
Sample containers for volatile analysis received with minimal headspace	No
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
Q15	The RPD reported passes mgt-LabMark's Acceptance Criteria as stipulated in AS-POL-002. Refer to Glossary Page of this report for further details

Authorised By

Michael Wright

Final report - this Report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Uncertainty data is available on request

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