BOREHOLE RECORD Concrete core

Borehole Project No Project Engineer CC5 PN153428 STOCKPORT BUS STATION AECOM

Client TRANSPORT FOR GREATER MANCHESTER

Drilling		rties/Sa	mpling		Strata									Scale 1:	50
Core Run/Depth (Core Dia)					Descrip	otion			Descrip Detail	tion			Depth	Legend	
0.00- 0.40	(to Water) TCR/SCR	o Max/Will	76		MADE stron brick with size brown thick	GROUND: ng orang is (216 voids u Well k n mortar	Medium rish brow x 102 x up to 5mm conded da r up to 1	64mm) in rk Omm	Detail				G.L. 0.40		
	-					End of	Borehole						-		
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Drilling Hole				Progre	PSS Denth	Depth to	5 . 1	_	Groun	ndwater		in	Depth	Rema	rks on
Dia	Technique	9	Crew	Depth of Hole	Depth Cased	Depth to Water	Date	Time	Depth Struck	Depth Cased	Rose to	Mins	Sealed	Ground	dwater
0.40	Collete cole		υυ												
Damarka III	Angle of Incli	ination	0 deg	rees f	rom hor	izontal	•		<u> </u>				Logg	ed by 1	IM

Symbols and abbreviations are explained on the accompanying key sheet. All dimensions are in metres.

Logged in accordance with BS5930:1999 + A2:2010

Figure



BOREHOLE RECORD - Concrete core

Project STOCKPORT BUS STATION Engineer AECOM Borehole Project No PN153428

Client TRANSPORT FOR GREATER MANCHESTER

Drilling		roperties	/Sampling		Strata					Scale 1:	50
Core Run/Depth					Description General		Description Detail		Depth	Legend	
(Core Dia)		R/SCR% Max	Min %		MADE GROUND: strong orang bricks (216 with voids u size. Well b	ish brown x 102 x 64) p to 30mm in onded, poorly brown mortar			G.L.		
						Borehole					
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Drilling				Progre	ee		Groundwat	<u> </u>			
Donth Hole	Tec	hnique	Crew	Depth	Depth Depth to	Date Time	Depth Dept	h Rose to in	Depth	Remar	ks on
0.52 Dia	Concrete		υυ	of Hole	Cased Water		Struck Case	d Mins	Sealed	Ground	lwater
Remarks 🖳	Angle of	Inclinat:	ion: 0 de	rees fr	rom horizontal	•			Logg	ed bv N	пм

Symbols and abbreviations are explained on the accompanying key sheet. All dimensions are in metres.

Logged in accordance with BS5930:1999 + A2:2010

Logged by

Figure



BOREHOLE RECORD -Concrete core

Borehole Project No Project Engineer CC6 PN153428 STOCKPORT BUS STATION AECOM

Client TRANSPORT FOR GREATER MANCHESTER

Drilling		SPORT FO	Prope	rties/Sa	mpling		Strata									Scale 1	50
Core Run (Core l	/Depth	Depth Cased & (to Water)	Type	Length Max/Min	RQD %		Descrip Genera	tion			Descrip Detail	tion			Depth	Legend	
		(to Water)		iviax/iviiii	70						Detail				_ G.L.	××××	
0.00-	0.27		С				MADE grey	GROUND: coarse	Strong grained	light					0.27		
		-												/	1		
								End of	Borehole						Ė l		
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Drilling						Progre	ess				Grour	ndwater				1	<u> </u>
Depth	Hole Dia	٦	Technique	:	Crew	Depth of Hole	Depth Cased	Depth to Water	Date	Time	Depth Struck	Depth Cased	Rose to	in Mins	Depth Sealed	Rema Groun	rks on dwater
0.27	Did	Concret			טט	0.11018	Jaseu	TTUIGI			Ciruck	Jaseu		VIII IS	Coaled	Ciouil	
Remark	ks 🔛	Angle o	f Incli	nation:	0 deg	rees f	rom hor	izontal	. •						Logg	ed by 1	vm
	AUS	1													Logg	-a by	

Symbols and abbreviations are explained on the accompanying key sheet. All dimensions are in metres.

Logged in accordance with BS5930:1999 + A2:2010

Figure



BOREHOLE RECORD -Concrete core

Borehole Project No Project Engineer CC8 PN153428 STOCKPORT BUS STATION AECOM

Client TRANSPORT FOR GREATER MANCHESTER

Drilling		operties/Sa	mpling		Strata									Scale 1:	50
Core Run/Depth	Depth Cased & (to Water)	pe Length	RQD		Descrip	otion			Descrip	tion			Depth	Legend	
(Core Dia)	(to Water) TCR/5		%		MADE very	GROUND:	Strong grey coa	to rse	Detail Betwee	en 0.10	-0.17m,	70mm	G.L.		
	-				MADE brown brick with size	GROUND: n/reddis cs (216 voids u	Orangis h brown x 102 x p to 30m bonded g	h 64mm) m in rey	previo	ous cor	e hole)	· /	0.32		
	<u> </u>					End of	Borehole	:					- -		
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Drilling				Drogr	200				Groun	ndwater			_		
Danth Hole	Techr	niaue	Crew	Progre	Depth	Depth to Water	Date	Time	Depth Struck	Depth Cased	Rose to	in	Depth	Rema	ks on
Dia Dia	Concrete co		שט	of Hole	Cased	Water			Struck	Cased		Mins	Sealed	Ground	iwater
Remarks AG	Angle of Ir	nclination:	0 deg	rees f	rom ho	rizontal			I	-			Logg	ed by	ПΜ

Symbols and abbreviations are explained on the accompanying key sheet. All dimensions are in metres.

Logged in accordance with BS5930:1999 + A2:2010

Figure



BOREHOLE RECORD Concrete core

Borehole Project No Project Engineer CC9 PN153428 STOCKPORT BUS STATION AECOM

Client TRANSPORT FOR GREATER MANCHESTER

Drilling	l F	Properties/	Sampling		Strata									Scale 1:	50
Core Run/Depth	Depth Cased &	Type Leng	th RQD		Descrip Genera	tion			Descrip Detail	tion			Depth	Legend	
(Core Dia)		C Max/N	111 %		Brown mottl (216 voids	nish ora ed yell x 102 x up to	nge/red ow brick 64mm) w 10mm. W	ith ell	Detail				G.L. 0.48		
					(23		Borehole						-		
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Drillin ~				Drasii					Cra	duct:			_		
Drilling Depth Hole	To	chnique	Crew	Progre Depth of Hole	Depth Cased	Depth to Water	Date	Time	Depth Struck	Depth Cased	Rose to	in	Depth	Rema	ks on
Depth Dia	Concrete		שט	of Hole	Cased	water			Struck	Cased		Mins	Sealed	Ground	water
Danis dia E	Angle of	Inclination	on: 0 de	rees f	rom hor	izontal	•						Logg	ed by 1	IM

Symbols and abbreviations are explained on the accompanying key sheet. All dimensions are in metres.

Logged in accordance with BS5930:1999 + A2:2010

Figure



BOREHOLE RECORD -Concrete core

Borehole Project No Project Engineer CC10 PN153428 STOCKPORT BUS STATION AECOM

Client TRANSPORT FOR GREATER MANCHESTER

Drilling			rties/Sa		<u> </u>	Strata									Scale 1:	50
ore Run/Depth (Core Dia)	Depth Cased & (to Water)	Type TCR/SCR%	Length Max/Min	RQD %		Descrip Genera	otion I			Descrip Detail	tion			Depth	Legend	
0.00- 0.71	-	С				MADE brown yello (216 voids bonde sand thick	GROUND: n locall n locall wish br x 102 x s up to ed light mortar	Reddish y mottle own bric 64mm) w 50mm. W grey sh up to 10	d ks ith ell arp mm				J	G.L.		
							End of	Borehole								
	-													-		
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rilling	· · · · · · · · · · · · · · · · · · ·		-		Progre	Ponth	Denth to			Groun	ndwater		in	Donth	Domo	rke on
epth Hole Dia		Гесhnique	:	Crew	Depth of Hole	Depth Cased	Depth to Water	Date	Time	Depth Struck	Depth Cased	Rose to	in Mins	Depth Sealed	Remai Ground	dwater
0.71	Concret	e core		υυ												
1																

Symbols and abbreviations are explained on the accompanying key sheet. All dimensions are in metres.

Logged in accordance with BS5930:1999 + A2:2010

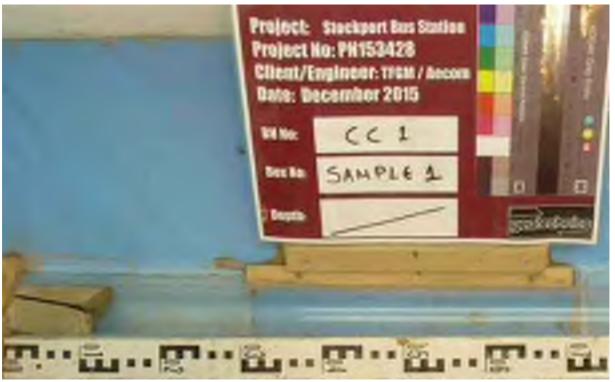
Figure



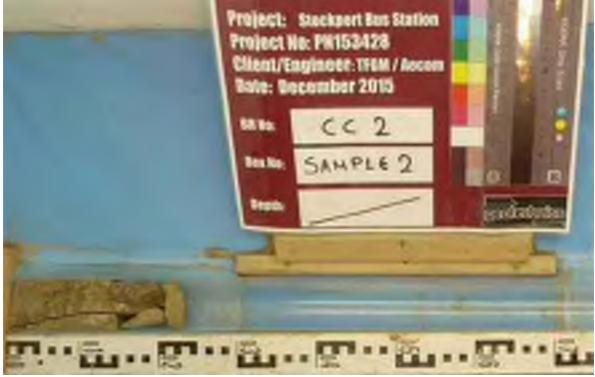
APPENDIX 9

Concrete Core Photographs

Project Number: PN 153428



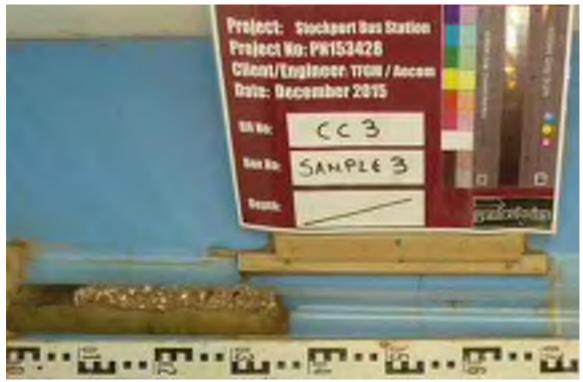
Concrete core I



Concrete core 2



Project Number: PNI53428



Concrete core 3



Concrete core 4



Project Number: PN I 53428



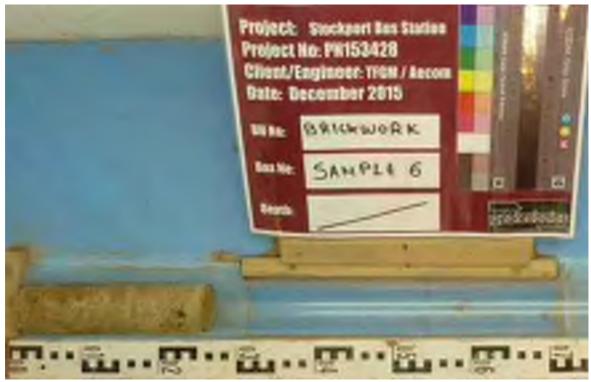
Concrete core 5



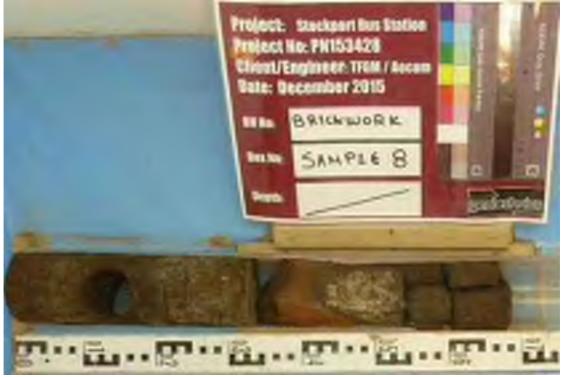
Concrete core 5A



Project Number: PN I 53428



Concrete core 6



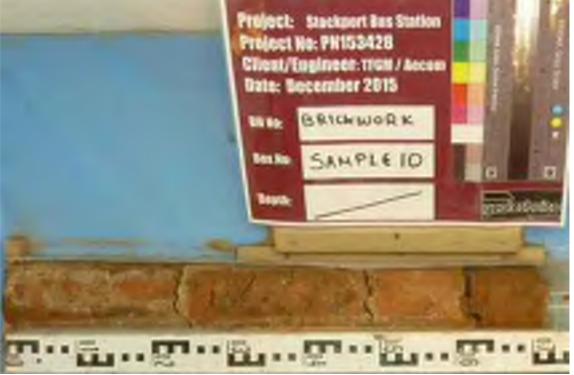
Concrete core 8



Project Number: PNI53428



Concrete core 9



Concrete core 10



APPENDIX 10

Monitoring Results

Project STOCKPORT BUS STATION

Project No PN153428

Sheet No 1

Client	TRANSPORT F	OR GREATER	MANCHESTER
CIICIIL	INANGEORII	ON GNEATER	MANCHESIEN

			1			1
Borehole	BH101	BH102	BH103	BH104	BH105	BH106
Instrument (dia. mm)	S (50mm)					
Depth to Base (m)	7.00	10.00	14.70	3.50	12.00	7.00
Filter Zone (m)	5.00-7.00	8.00-10.00	11.00-14.00	1.00-3.50	9.50-12.00	5.00-7.00
Level	45.22 m OD	43.35 m OD	42.42 m OD	42.47 m OD	42.62 m OD	42.45 m OD
Date Time	Depth (m) Level					
11 Jan 2016	6.17 39.05	5.42 37.93	6.60 35.82	3.56 38.91	6.41 36.21	5.41 37.04
25 Jan 2016	5.83 39.39	5.46 37.89	6.20 36.22	DRY	6.49 36.13	5.46 36.99
9 Feb 2016	5.79 39.43	5.35 38.00	6.50 35.92	3.57 38.90	6.40 36.22	5.20 37.25
22 Feb 2016	5.54 39.68	5.45 37.90	6.66 35.76	DRY	6.48 36.14	5.45 37.00
8 Mar 2016	6.03 39.19	5.47 37.88	6.67 35.75	DRY	6.50 36.12	5.50 36.95

Remarks

Symbols and abbreviations are explained on the accompanying key sheet. All dimensions are in metres.



Project STOCKPORT BUS STATION

Project No PN153428

Sheet No 2

Client	TRANSPORT FOR GREATER MANCHESTER

Client TRANSPORT	FOR GREATER MA	NOTILOTEIX			Sheet No 2	
Borehole	BH108	BH109	BH112	WS201	WS203	WS204
nstrument (dia. mm)	S (50mm)					
Depth to Base (m)	21.00	20.00	14.80	4.00	3.00	2.45
Filter Zone (m)	18.00-21.00	18.00-20.00	12.80-14.80	3.50-4.00	2.00-3.00	1.50-2.45
_evel	42.72 m OD	42.36 m OD	43.70 m OD	45.61 m OD	43.01 m OD	42.85 m OD
Date Time	Depth (m) Level					
11 Jan 2016	6.68 36.04	5.18 37.18	5.02 38.68	3.85 41.76	CAR	2.45 40.40
25 Jan 2016	6.86 35.86	5.29 37.07	5.05 38.65	DRY	DRY	DRY
9 Feb 2016	6.35 36.37	4.83 37.53	4.96 38.74	DRY	CAR	DRY
22 Feb 2016	6.72 36.00	5.16 37.20	5.07 38.63	DRY	2.66 40.35	DRY
8 Mar 2016	6.84 35.88	5.24 37.12	5.06 38.64	DRY	2.67 40.34	CAR

Remarks

Symbols and abbreviations are explained on the accompanying key sheet.

key sheet.
All dimensions are in metres.



Project STOCKPORT BUS STATION

Project No PN153428

Client TRANSPORT FOR GREATER MANCHESTER

Sheet No 3

Client TRANSFORT	TOR GREATER WA	TOTILOTEIX			0110001140	·
Borehole	WS205	WS206	WS208	WS209	WS210	WS211
Instrument (dia. mm)	S (50mm)					
Depth to Base (m)	2.00	2.00	2.80	3.00	5.00	2.00
Filter Zone (m)	1.50-2.00	1.00-2.00	1.70-2.80	1.00-3.00	3.00-5.00	1.00-2.00
Level	42.39 m OD	48.13 m OD	42.35 m OD	42.67 m OD	44.43 m OD	44.88 m OD
Date Time	Depth (m) Level					
11 Jan 2016	1.94 40.45	1.82 46.31	2.72 39.63	2.91 39.76	5.00 39.43	1.87 43.01
25 Jan 2016	DRY	DRY	DRY	DRY	DRY	1.92 <i>4</i> 2.96
9 Feb 2016	DRY	DRY	DRY	DRY	DRY	1.90 <i>42.98</i>
22 Feb 2016	DRY	DRY	DRY	DRY	DRY	1.87 <i>4</i> 3. <i>01</i>
8 Mar 2016	DRY	DRY	DRY	DRY	DRY	1.87 43.01

Remarks

Symbols and abbreviations are explained on the accompanying key sheet.

All dimensions are in metres.



Project STOCKPORT BUS STATION

Project No PN153428

Client TRANSPORT FOR GREATER MANCHESTER

Sheet No 4

Client TRANSPORT	FOR GREATER MAI				Sheet NO 4	
Borehole	WS212	WS214	WS217	WS218A	WS220	WS223
Instrument (dia. mm)	S (50mm)	S (50mm)	S (50mm)	S (50mm)	S (50mm)	S (50mm)
Depth to Base (m)	3.50	1.00	2.50	2.50	1.70	1.40
Filter Zone (m)	2.50-3.50	0.50-1.00	1.50-2.50	1.00-2.50	1.20-1.70	0.50-1.40
Level	45.74 m OD	46.35 m OD	42.30 m OD	42.71 m OD	44.69 m OD	43.39 m OD
Date Time	Depth Level	Depth (m) Level	Depth (m) Level	Depth Level	Depth Level	Depth (m) Level
11 Jan 2016	3.16 42.58		2.50 39.80		1.60 43.09	1.60 41.79
25 Jan 2016	3.20 42.54	DRY	DRY	DRY	1.65 43.04	1.60 41.79
9 Feb 2016	3.20 42.54	DRY	DRY	DRY	1.60 43.09	1.50 41.89
22 Feb 2016	3.18 <i>42.56</i>		DRY	DRY	1.65 43.04	1.53 41.86
8 Mar 2016	3.18 <i>42.5</i> 6	DRY	DRY	DRY	1.67 43.02	DRY

Remarks

Symbols and abbreviations are explained on the accompanying key sheet. All dimensions are in metres.



Project stock	PORT BUS STA	TION						ect No	PN153428	
Client TRANS	PORT FOR GRE	ATER MANCH	ESTER				Date She	et No.	11/01/2016 1 (1 of 2)	
Equipment U	sed									
	ed Gas Anal	-	MK	1	MK	2	GA2000)		
0 0 .	as Data LMSx		yser;							_
Weather / Site	e Conditions	8		🗀		. —				
Wind			Sti		Ligh	_	Moderate		Strong	
Cloud Cov	ver		Non	e	Sligh	t	Cloud	у х	Overcast	
Precipitati	on		Dr	ух	Sligh	t 🗌	Moderate		Heavy	
	Depth to	Depth to	Current	Methane	Methane	Carbon	Oxygen	Nitrogen		
Borehole	Base	Water	Hole Depth	CH4	CH4	Dioxide CO2	O2	N2	Remarks	
	(m)	(m bgl)	(m bgl)	(% VOL)	(% LEL)	(% VOL)	(% VOL)	(% VOL)		
BH101	7.00	6.17	7.00	0.0	0.0	0.0	21.0	78.9		
BH102	10.00	5.42	9.85	0.0	0.0	0.1	20.8	79.0		
вн103	14.70	6.60	13.06	0.0	0.0	0.0	20.9	79.0		
BH104	3.50	3.56	3.64	0.0	0.0	2.2	18.9	78.8		
BH105	12.00	6.41	11.90	0.0	0.0	0.0	21.0	78.9		
BH106	7.00	5.41	7.00	0.0	0.0	0.0	20.9	79.0		
вн108	21.00	6.68 5.18	20.94	0.0	0.0	0.5 1.3	20.5	78.9 78.1		
BH112	14.80	5.02	14.52	0.0	0.0	0.0	21.1	78.8		
WS201	4.00	3.85	3.85	0.0	0.0	0.0	21.0	78.9		
WS203	3.00	CAR		-	-	-	-	-	Car over	
WS204	2.45	2.45	2.45	0.0	0.0	7.1	11.8	81.0		
WS205	2.00	1.94	1.94	0.0	0.0	0.0	21.0	78.9		
WS206	2.00	1.82	1.82	0.0	0.0	0.4	20.5	79.0		
WS208	2.80	2.72	2.72	0.0	0.0	2.5	18.6	78.8		
WS209	3.00	2.91	2.91	0.0	0.0	2.6	19.6	77.7		
WS210	5.00	5.00	4.40	0.0	0.0	1.0	20.4	78.5		
WS211	2.00	1.87	1.98	0.0	0.0	0.3	20.3	79.3		
WS212	3.50	3.16	3.46	0.0	0.0	4.0	7.2	88.7		
WS214	1.00	0.93		0.0	0.0	0.3	20.6	79.0		
WS217	2.50	2.50		0.0	0.0	3.2	18.6	78.1		
WS218A	2.50	2.50	2.46	0.0	0.0	0.4	20.4	79.1		
WS220	1.70	1.60		0.0	0.0	0.6	19.4	79.9		
WS223	1.40	1.60	1.64	0.0	0.0	0.0	18.9	81.0		
Remarks										

Project stock	PORT BUS STA	TION				Project No	PN153428	
Client TRANS	PORT FOR GREA	ATER MANCHESTE	R			Date Sheet No.	11/01/2016 1 (2 of 2)	
Equipment U	sed							
	ed Gas Anal	yser	MK1	MK2	GA2	2000		
0 0 .		i gas analyser	;					_
Weather / Site	e Conditions	S						
Wind			Still x	Light	Mode	erate	Strong	
Cloud Co	ver		None	Slight	С	loudy x	Overcast	
Precipitati	on		Dry x	Slight	Mode	erate	Heavy	
Borehole	Depth to Base	Hydrogen Sulphide H2S	Carbon Monoxide CO	Barometric Pressure	Flow Rate (Peak)	Flow Rate (Steady)	Remarks	
	(m)	(ppm)	(ppm)	(mBars)	(l/hr)	(l/hr)		
BH101	7.00	0.0	0.0	996	-2.0	-1.9		
BH102	10.00	0.0	0.0	969	0.0	0.0		
BH103	14.70	0.0	0.0	969	-0.1	0.0		
BH104	3.50	0.0	0.0	969	0.0	0.0		
вн105	12.00	0.0	0.0	969	0.4	0.0		
вн106	7.00	0.0	0.0	969	-0.9	-0.7		
вн108	21.00	0.0	0.0	969	0.0	0.0		
вн109	20.00	0.0	0.0	969	-0.1	0.0		
BH112	14.80	0.0	0.0	969	-0.1	0.0		
WS201	4.00	0.0	0.0	969	-0.3	-0.1		
WS203	3.00	-	_	969	-	_	Car over	
WS204	2.45	0.0	0.0	969	0.0	0.0		
WS205	2.00	0.0	0.0	969	0.0	0.0		
WS206	2.00	0.0	0.0	969	-0.3	-0.1		
WS208 WS209	2.80 3.00	0.0	0.0	969 969	0.0	0.0		
WS210	5.00	0.0	0.0	969	0.0	0.0		
WS211	2.00	0.0	0.0	969	-0.1	0.0		
WS211	3.50	0.0	0.0	969	0.0	0.0		
WS214	1.00	0.0	0.0	969	0.0	0.0		
WS217	2.50	0.0	0.0	969	0.0	0.0		
WS218A	2.50	0.0	0.0	969	0.0	0.0		
WS220	1.70	0.0	0.0	969	0.0	0.0		
WS223	1.40	0.0	0.0	969	0.0	0.0		
							<u> </u>	
Remarks								

Floject stock	PORT BUS STA	TION					Date	SCLINO	25/01/2016	
Client TRANS	PORT FOR GREA	ATER MANCH	ESTER					et No.	1 (1 of 2)	
Equipment U	sed									
	ed Gas Anal	-	MK ²	1	MK	2	GA2000			
Other G	as Data LMSx:		yser;							
	e Conditions	3	Sti	. 🗀	امانا	٠	Moderate	. \Box	Ctrong	
Wind					Ligh	_	Moderate	_	Strong	
Cloud Cov	ver		Non	e	Sligh	t	Cloud	ух	Overcast	
Precipitati	on		Dr	ух	Sligh	t 🗌	Moderate		Heavy	
	Depth to	Depth to	Current	Methane	Methane	Carbon	Oxygen	Nitrogen		
Borehole	Base	Water	Hole Depth	CH4	CH4	Dioxide CO2	O2	N2	Remarks	
	(m)	(m bgl)	(m bgl)	(% VOL)	(% LEL)	(% VOL)	(% VOL)	(% VOL)		
вн101	7.00	5.83	7.00	0.0	0.0	4.0	16.7	79.2		
BH102	10.00	5.46	9.85	0.0	0.0	0.0	20.9	79.0		
BH103	14.70	6.20	13.06	0.0	0.0	0.0	20.8	79.1		
BH104	3.50	DRY	3.64	0.0	0.0	1.5	19.5	78.9		
BH105	12.00	6.49	11.90	0.0	0.0	0.0	20.7	74.2		
вн106	7.00 21.00	5.46 6.86	7.00 20.94	0.0	0.0	0.0	20.6	79.3 78.9		
вн109	20.00	5.29	20.12	0.0	0.0	0.4	20.7	79.0		
BH112	14.80	5.05	14.52	0.0	0.0	0.0	21.1	78.8		
WS201	4.00	DRY	3.85	0.0	0.0	3.6	18.2	78.1		
WS203	3.00	DRY	2.76	0.0	0.0	2.0	14.4	78.5		
WS204	2.45	DRY	2.45	0.0	0.0	0.0	20.9	79.0		
WS205	2.00	DRY	1.94	0.0	0.0	0.0	20.9	79.0		
WS206	2.00	DRY	1.82	0.0	0.0	0.0	20.8	79.1		
WS208	2.80	DRY	2.72	0.0	0.0	0.0	20.7	79.2		
WS209	3.00	DRY	2.91	0.0	0.0	2.3	19.8	77.9		
WS210	5.00	DRY	4.40	0.0	0.0	0.2	20.7	79.0		
WS211	2.00	1.92	1.98	0.0	0.0	0.6	20.0	79.3		
WS212	3.50	3.20	3.46	0.0	0.0	1.4	15.1	85.4		
WS214	1.00	DRY	0.94	0.0	0.0	0.0	20.9	79.0		
WS217	2.50	DRY	2.23	0.0	0.0	0.6	19.4	79.9		
WS218A	2.50	DRY	2.46	0.0	0.0	0.1	20.7	79.1		
WS220	1.70	1.65		0.0	0.0	0.0	20.8	79.1		
WS223	1.40	1.60	1.64	0.0	0.0	0.0	18.3	81.6		
					_					
Remarks									$\overline{}$	

Project stock	PORT BUS STA	TION				Project No	PN153428	
Client TRANS	DODT FOR CDE	ATER MANCHESTE	T.			Date Sheet No.	25/01/2016 1 (2 of 2)	
		AIER MANCHESIE	ik.		,	oneet No.	1 (2 01 2)	
Equipment U				N.41.40				
	ed Gas Anal		MK1	MK2	GA2	2000		
0 0 .		i gas analyser	,					
Weather / Site	e Conditions	S						
Wind			Still	Light	x Mode	erate	Strong	
Cloud Cov	ver		None	Slight	C	loudy x	Overcast	
Precipitati	ion		Dry x	Slight	Mode	erate	Heavy	
Borehole	Depth to Base	Hydrogen Sulphide	Carbon Monoxide	Barometric Pressure	Flow Rate (Peak)	Flow Rate (Steady)	Remarks	
	(m)	H2S (ppm)	CO (ppm)	(mBars)	(l/hr)	(l/hr)		
вн101	7.00	0.0	0.0	1001	-0.5	0.0		
ВН102	10.00	0.0	0.0	1001	0.0	0.0		
вн103	14.70	0.0	0.0	1001	1.0	0.5		
BH104	3.50	0.0	0.0	1001	1.2	0.4		
BH105	12.00	0.0	0.0	1001	0.3	0.0		
вн106	7.00	0.0	0.0	1001	-0.5	0.0		
вн108	21.00	0.0	0.0	1001	0.0	0.0		
вн109	20.00	0.0	0.0	1001	0.0	0.0		
BH112	14.80	0.0	0.0	1001	0.0	0.0		
WS201	4.00	0.0	0.0	1001	0.0	0.0		
WS203	3.00	0.0	0.0	1001	0.0	-0.5		
WS204	2.45	0.0	0.0	1001	0.0	0.0		
WS205	2.00	0.0	0.0	1001	0.0	0.0		
WS206	2.00	0.0	0.0	1001	0.0	0.4		
WS208	2.80	0.0	0.0	1001	0.0	0.0		
WS209	3.00	0.0	0.0	1001	0.0	0.0		
WS210	5.00	0.0	0.0	1001	1.4	0.4		
WS211	2.00	0.0	0.0	1001	-0.2	0.0		
WS212	3.50	0.0	0.0	1001	1.4	0.1		
WS214	1.00	0.0	0.0	1001	0.0	0.0		
WS217	2.50	0.0	0.0	1001	0.0	0.0		
WS218A	2.50	0.0	0.0	1001	-0.5	0.0		
WS220	1.70	0.0	0.0	1001	0.0	0.0		
WS223	1.40	0.0	0.0	1001	0.0	0.0		
						<u> </u>	<u></u>	
Remarks							\	

Project stock	PORT BUS STA	rion						ect No	PN153428	
Client TRANS	PORT FOR GRE	ATER MANCH	ESTER				Date She	et No.	09/02/2016 1 (1 of 2)	
Equipment U	sed									
	ed Gas Anal	-	MK	1	MK	2	GA2000) [
<u> </u>	as Data LMSx		yser;							
Weather / Site	e Conditions	8		🗀		. —				
Wind			Sti	II X	Ligh	_	Moderate		Strong	
Cloud Cov	ver		Non	e	Sligh	t x	Cloud	у 📙	Overcast	
Precipitati	on		Dr	ух	Sligh	t 🗌	Moderate		Heavy	
	Depth to	Depth to	Current	Methane	Methane	Carbon	Oxygen	Nitrogen		
Borehole	Base		Hole Depth	CH4	CH4	Dioxide CO2	O2	N2	Remarks	
	(m)	(m bgl)	(m bgl)	(% VOL)	(% LEL)	(% VOL)	(% VOL)	(% VOL)		
вн101	7.00	5.79	7.00	0.0	0.0	3.8	17.6	78.5		
BH102	10.00	5.35	9.85	0.0	0.0	0.1	21.1	78.7		
BH103	14.70	6.50	13.06	0.0	0.0	0.0	20.6	79.3		
вн104	3.50 12.00	3.57 6.40	3.64 11.90	0.0	0.0	2.4	19.1 20.8	78.4 79.1		
вн105	7.00	5.20	7.00	0.0	0.0	0.0	18.8	80.4		
вн108	21.00	6.35	20.94	0.0	0.0	1.9	19.9	78.1		
вн109	20.00	4.83	20.12	0.0	0.0	2.4	19.7	77.8		
BH112	14.80	4.96	14.52	0.0	0.0	0.1	21.2	78.6		
WS201	4.00	DRY	3.85	0.0	0.0	6.1	16.5	77.3		
WS203	3.00	CAR	2.76	-	-	-	_	_	Car over	
WS204	2.45	DRY	2.45	0.0	0.0	1.8	19.9	78.2		
WS205	2.00	DRY	1.94	0.0	0.0	2.3	18.4	79.2		
WS206	2.00	DRY	1.82	0.0	0.0	0.2	21.1	78.6		
WS208	2.80	DRY	2.72	0.0	0.0	3.6	18.5	77.8		
WS209	3.00	DRY	2.91	0.0	0.0	1.8	20.3	77.8		
WS210	5.00	DRY	4.40	0.0	0.0	0.4	20.8	78.7		
WS211	2.00	1.90	1.98	0.0	0.0	0.7	19.8	79.4		
WS212	3.50	3.20	3.46	0.0	0.0	3.5	8.5	87.9		
WS214	1.00	DRY	0.94	0.0	0.0	3.0	18.1	78.8		
WS217	2.50	DRY	2.23	0.0	0.0	3.0	18.9	78.0		
WS218A WS220	2.50 1.70	DRY 1.60	2.46 1.72	0.0	0.0	0.0 2.5	20.8 17.2	79.1 80.2		
WS223	1.40	1.50	1.64	0.0	0.0	0.1	20.2	79.6		
N5225	1.10	1.30	1.01	0.0	0.0	0.1	2012	75.0		
Remarks										

Project stock	PORT BUS STA	rion				Project No	PN153428
Client TRANS	PORT FOR GRE	ATER MANCHESTE	R			Date Sheet No.	09/02/2016 1 (2 of 2)
Equipment U	sed						
	ed Gas Anal	yser	MK1	MK2	GA2	2000	
<u> </u>		i gas analyser	;				
Weather / Site	e Conditions	S					
Wind			Still x	Light	Mode	erate	Strong
Cloud Cov	ver		None	Slight	х	loudy	Overcast
Precipitati	on		Dry x	Slight	Mode	erate	Heavy
Borehole	Depth to Base	Hydrogen Sulphide H2S	Carbon Monoxide CO	Barometric Pressure	Flow Rate (Peak)	Flow Rate (Steady)	Remarks
	(m)	(ppm)	(ppm)	(mBars)	(l/hr)	(l/hr)	
вн101	7.00	0.0	0.0	969	-4.6	-2.1	
BH102	10.00	0.0	0.0	969	0.1	0.0	
вн103	14.70	0.0	0.0	969	7.4	6.4	
BH104	3.50	0.0	1.6	969	0.0	0.0	
вн105	12.00	0.0	1.3	969	0.0	0.0	
вн106	7.00	0.0	0.0	969	-0.6	-0.2	
вн108	21.00	0.0	0.0	969	0.0	0.0	
вн109	20.00	0.0	2.0	969	0.0	0.0	
BH112	14.80	0.0	0.0	969	0.0	0.0	
WS201	4.00	0.0	0.0	969	0.0	0.0	
WS203	3.00	-	_	969	-	_	Car over
WS204	2.45	0.0	0.0	969	0.0	0.0	
WS205	2.00	0.0	3.2	969	0.0	0.0	
WS206	2.00	0.0	0.0	969	0.3	0.1	
WS208	2.80	0.0	0.0	969	0.0	0.0	
WS209 WS210	3.00 5.00	0.0	0.0	969 969	0.2	0.1	
WS211	2.00	0.0	0.0	969	0.0	0.0	
WS211	3.50	0.0	0.0	969	0.0	0.0	
WS214	1.00	0.0	0.0	969	0.0	0.0	
WS217	2.50	0.0	0.0	969	0.0	0.0	
WS218A	2.50	0.0	0.0	969	-0.1	0.0	
WS220	1.70	0.0	0.0	969	0.0	0.0	
WS223	1.40	0.0	0.0	969	0.0	0.0	
-							
Remarks					,		

Project stock	PORT BUS STA	TION						ect No	PN153428	
Client TRANS	PORT FOR GREAT	ATER MANCH	ESTER				Date She	et No.	22/02/2016 1 (1 of 2)	
Equipment U	sed									
	ed Gas Anal	-	MK ²	1 🔲	MK2	2	GA2000			
	as Data LMSx		yser;							
Weather / Site	e Conditions	S		—		. —				
Wind			Sti		Ligh	_	Moderate		Strong	
Cloud Cov	/er		Non	e	Sligh	t	Cloud	у х	Overcast	
Precipitati	on		Dr	ух	Sligh	t 🗌	Moderate		Heavy	
	Depth to	Depth to	Current	Methane	Methane	Carbon	Oxygen	Nitrogen		
Borehole	Base	Water	Hole Depth	CH4	CH4	Dioxide CO2	O2	N2	Remarks	
	(m)	(m bgl)	(m bgl)	(% VOL)	(% LEL)	(% VOL)	(% VOL)	(% VOL)		
вн101	7.00	5.54	7.00	0.0	0.0	0.0	21.2	78.7		
BH102	10.00	5.45	9.85	0.0	0.0	0.0	20.9	79.0		
BH103	14.70	6.66	13.06	0.0	0.0	0.0	20.9	79.0		
BH104	3.50	DRY	3.64	0.0	0.0	0.1	20.9	78.9		
BH105	12.00	6.48	11.90	0.0	0.0	0.0	21.0	78.9		
вн106	7.00	5.45	7.00	0.0	0.0	0.0	20.9	79.0		
BH108	21.00	6.72	20.94	0.0	0.0	1.2	20.4	78.3		
BH112	20.00 14.80	5.16 5.07	20.12 14.52	0.0	0.0	0.5	20.5	78.9 78.5		
WS201	4.00	DRY	3.85	0.0	0.0	1.5	21.4	78.1		
WS203	3.00	2.66	2.76	0.0	0.0	0.6	20.4	78.9		
WS204	2.45	DRY	2.45	0.0	0.0	0.0	20.9	79.0		
WS205	2.00	DRY	1.94	0.0	0.0	1.2	19.6	79.1		
WS206	2.00	DRY	1.82	0.0	0.0	0.0	21.3	78.6		
WS208	2.80	DRY	2.72	0.0	0.0	3.7	18.3	77.9		
WS209	3.00	DRY	2.91	0.0	0.0	2.4	19.9	77.6		
WS210	5.00	DRY	4.40	0.0	0.0	0.1	21.2	78.6		
WS211	2.00	1.87	1.98	0.0	0.0	0.0	21.1	78.8		
WS212	3.50	3.18	3.46	0.0	0.0	0.4	13.0	86.5		
WS214	1.00	DRY	0.94	0.0	0.0	1.0	19.9	79.0		
WS217	2.50	DRY	2.24	0.0	0.0	2.7	19.2	78.0		
WS218A	2.50	DRY	2.46	0.0	0.0	0.0	21.0	78.9		
WS220	1.70	1.65	1.72	0.0	0.0	2.3	19.1	78.5		
WS223	1.40	1.53	1.65	0.0	0.0	0.0	19.8	80.1		
Remarks					l					

Project stock	PORT BUS STA	TION				Project No	PN153428	
Client TRANS	PORT FOR GRE	ATER MANCHESTE	D.			Date Sheet No.	22/02/2016 1 (2 of 2)	
		ATEK MANCHEDIE			<u>'</u>		1 (2 01 2)	
Equipment U			MICA 🗔	MIZO		2000		
	ed Gas Anal	yser	MK1	MK2	L GA2	2000		
0 0 .		i gas analyser	;					
Weather / Site	e Conditions	S						
Wind			Still	Light	Mode	erate x	Strong	
Cloud Cov	ver		None	Slight	С	loudy x	Overcast	
Precipitati	on		Dry x	Slight	Mode	erate	Heavy	
	Depth to	Hydrogen	Carbon	Barometric	Flow Rate	Flow Rate		
Borehole	Base	Sulphide H2S	Monoxide CO	Pressure	(Peak)	(Steady)	Remarks	
	(m)	(ppm)	(ppm)	(mBars)	(l/hr)	(l/hr)		
BH101	7.00	0.0	0.0	996	-2.8	-1.5		
вн102	10.00	0.0	0.0	996	0.0	0.0		
вн103	14.70	0.0	0.0	996	1.5	1.2		
BH104	3.50	0.0	0.0	996	0.0	0.0		
вн105	12.00	0.0	0.0	996	-1.3	0.0		
вн106	7.00	0.0	0.0	996	-0.2	-0.1		
вн108	21.00	0.0	0.0	996	0.0	0.0		
вн109	20.00	0.0	0.0	996	1.7	0.0		
BH112	14.80	0.0	0.0	996	0.0	0.0		
WS201	4.00	0.0	0.0	996	0.0	0.0		
WS203	3.00	0.0	0.0	996	0.2	0.1		
WS204	2.45	0.0	0.0	996	0.2	0.0		
WS205	2.00	0.0	1.3	996	0.0	0.0		
WS206	2.00	0.0	0.0	996	-0.4	0.0		
WS208	2.80	0.0	0.0	996	0.0	0.0		
WS209	3.00	0.0	0.0	996	-0.1	0.0		
WS210	5.00	0.0	0.0	996	-1.4	-0.3		
WS211	2.00	0.0	0.0	996	-0.1	0.0		
WS212	3.50	0.0	1.3	996	0.8	0.2		
WS214	1.00	0.0	0.0	996	-0.6	-0.3		
WS217	2.50	0.0	0.0	996	0.0	0.0		
WS218A	2.50	0.0	0.0	996	0.0	0.0		
WS220	1.70	0.0	0.0	996	-0.2	0.0		
WS223	1.40	0.0	2.6	996	0.0	0.0		
Remarks								
RAINSIKS						ı	`	

Project stock	PORT BUS STA	rion						ect ino	PN153428	
Client TRANS	PORT FOR GRE	ATER MANCH	ESTER				Date She	et No.	08/03/2016 1 (1 of 2)	
Equipment U	sed									
	ed Gas Anal	-	MK ²	1	MK2	2	GA2000)		
<u> </u>	as Data LMSx		yser;							
Weather / Site	e Conditions	S				_			_ 🖂	
Wind			Sti	" 📙	Ligh	_	Moderate		Strong	
Cloud Cov	ver		Non	e	Sligh	t	Cloud	у 📙	Overcast x	
Precipitati	on		Dr	у	Sligh	t x	Moderate		Heavy	
	Depth to Base	Depth to Water	Current	Methane	Methane	Carbon Dioxide	Oxygen	Nitrogen		
Borehole	(m)	(m bgl)	Hole Depth (m bgl)	CH4 (% VOL)	CH4 (% LEL)	CO2 (% VOL)	O2 (% VOL)	N2 (% VOL)	Remarks	
DV1 01		, ,,			, ,			` '		
вн101 вн102	7.00 10.00	6.03 5.47	7.00 9.85	0.0	0.0	0.1	21.1	78.7 79.1		
BH103	14.70	6.67	13.06	0.0	0.0	0.0	21.0	78.9		
вн104	3.50	DRY	3.64	0.0	0.0	4.0	18.0	77.9		
вн105	12.00	6.50	11.90	0.0	0.0	0.0	20.9	79.0		
вн106	7.00	5.50	7.00	0.0	0.0	0.0	20.9	79.0		
вн108	21.00	6.84	20.94	0.0	0.0	0.6	21.2	78.1		
вн109	20.00	5.24	20.12	0.0	0.0	0.0	20.9	79.0		
BH112	14.80	5.06	14.52	0.0	0.0	0.0	21.3	78.6		
WS201	4.00	DRY	3.85	0.0	0.0	2.5	19.6	77.8		
WS203	3.00	2.67	2.76	0.0	0.0	3.0	19.0	77.9		
WS204	2.45	CAR	2.45	-	-	-	=	-		
WS205	2.00	DRY	1.94	0.0	0.0	0.1	21.0	78.8		
WS206	2.00	DRY	1.82	0.0	0.0	0.3	20.8	78.8		
WS208	2.80	DRY	2.72	0.0	0.0	3.3	18.9	77.7		
WS209	3.00	DRY	2.91	0.0	0.0	2.1	19.9	77.9		
WS210	5.00	DRY		0.0	0.0	0.5	20.8	78.6		
WS211	2.00	1.87	1.98	0.0	0.0	0.1	21.0	78.8		
WS212	3.50	3.18	3.46	0.0	0.0	2.8	12.4	84.7		
WS214	1.00	DRY	0.94	0.0	0.0	0.5	20.1	79.3		
WS217	2.50	DRY	2.24	0.0	0.0	3.0	19.1	77.8		
WS218A WS220	2.50 1.70	DRY 1.67	2.46 1.72	0.0	0.0	0.0 1.4	21.0 19.9	78.9 78.6		
WS223	1.40	DRY	1.65	0.0	0.0	0.0	20.1	79.8		
ND223	1.40	DKI	1.05	0.0	0.0	0.0	20.1	73.0		
Remarks									_	

Project stock	PORT BUS STA	TION				Project No	PN153428	
Client TRANS	PORT FOR GRE	ATER MANCHESTE	R			Date Sheet No.	08/03/2016 1 (2 of 2)	
Equipment U	sed							
	ed Gas Anal	yser	MK1	MK2	GA2	2000		
0 0 .		i gas analyser	;					_
Weather / Site	e Conditions	S	_			_		
Wind			Still	Light	x Mode	erate	Strong	
Cloud Co	ver		None	Slight	С	loudy	Overcast x	
Precipitati	on		Dry	Slight	x Mode	erate	Heavy	
Borehole	Depth to Base	Hydrogen Sulphide H2S	Carbon Monoxide CO	Barometric Pressure	Flow Rate (Peak)	Flow Rate (Steady)	Remarks	
	(m)	(ppm)	(ppm)	(mBars)	(l/hr)	(l/hr)		
BH101	7.00	0.0	0.0	999	0.0	0.0		
вн102	10.00	0.0	0.0	999	0.0	0.0		
вн103	14.70	0.0	0.0	999	0.0	0.0		
BH104	3.50	0.0	0.0	999	0.0	0.0		
вн105	12.00	0.0	0.0	999	0.2	0.0		
вн106	7.00	0.0	0.0	999	0.0	0.0		
вн108	21.00	0.0	0.0	999	0.5	0.1		
вн109	20.00	0.0	0.0	999	0.0	0.0		
BH112	14.80	0.0	0.0	999	0.0	0.0		
WS201	4.00	0.0	0.0	999	0.2	0.0		
WS203	3.00	0.0	0.0	999	-0.6	-0.3		
WS204	2.45	-	-	999	-	-		
WS205	2.00	0.0	0.0	999	0.0	0.0		
WS206	2.00	0.0	0.0	999	0.0	0.0		
WS208 WS209	2.80 3.00	0.0	0.0	999 999	0.0	0.0		
WS210	5.00	0.0	0.0	999	0.3	0.3		
WS211	2.00	0.0	0.0	999	0.0	0.0		
WS212	3.50	0.0	0.0	999	0.0	0.0		
WS214	1.00	0.0	0.0	999	-0.3	0.0		
WS217	2.50	0.0	0.0	999	0.4	0.2		
WS218A	2.50	0.0	0.0	999	0.0	0.0		
WS220	1.70	0.0	0.0	999	0.0	0.0		
WS223	1.40	0.0	0.0	999	0.1	0.0		
								_
Remarks								

.

APPENDIX II

Laboratory Test Results - Geotechnical



Classification and Strength

Symbol C - Clay М -

(0 - containing organic matter) **Plasticity** L -Low

> Intermediate 1 Н High Very High

Extremely High

lр Plasticity Index

% % Retained on 425 µm sieve, shown under Ip

Liquid Limit W_L Plastic Limit NP Non-Plastic

NAT Sample tested in natural state

Water Content w Particle Density P_d

Quick undrained triaxial tests Test

Single stage - 102mm diameter.

S3 Single stage - set of 3 38mm diameter.

MS Multistage - 102mm diameter.

D **Drained Test** H۷ Hand Vane

PP Pocket Penetrometer (kg/cm²)

Not suitable for test NST

Bulk Density γ_{h}

Triaxial Cell Pressure σ_3

Deviator Stress $\sigma_1 - \sigma_3$ ## **Excessive Strain** Undrained Cohesion C_{u} Cohesion Intercept

Angle of Shearing Resistance

Linear Linear Shrinkage

Shrink

C

Consolidation

Coefficient of Volume Compressibility m,

Coefficient of Consolidation - Log t C_{v50} Coefficient of Consolidation - \sqrt{t} C_{v90}

Rock

UF Unacceptable Failure

Chemical Analysis

Acid Soluble Total sulphate in specimen, expressed as

SO₃ %, value in brackets expressed as

SO₄ %

Water Soluble Soluble sulphate in 2:1 water: soil

extract, expressed as SO₃ g/l, value in

brackets expressed as SO₄ g/l

In Water Sulphate content of groundwater,

expressed as SO₃ g/l, value in brackets

expressed as SO₄ g/l

pΗ pH value

Organic content Organic content expressed as

percentage of dry weight

Chloride Chloride Ion content expressed as a

percentage of dry weight

MCV, Compaction, CBR

MCV Moisture Condition Value at natural

water content

MCC Moisture Condition Calibration

CCV Chalk Crushing Value

Compaction

Туре 2.5 BS 2.5 kg Rammer

BS 4.5 kg Rammer 4.5 BS Vibrating Hammer

Bulk Density γ_{b}

Dry Density γ_d

CBR California Bearing Ratio

2.5 = Test on Specimen Туре

Recompacted using BS 2.5 kg Rammer

4.5 As above but using

BS 4.5 kg Rammer

As above but using BS

Vibrating Hammer

Test on open drive mould

specimen cut in field

Soaked Specimen

Тор CBR at top of mould

CBR at bottom of mould **Bottom**

ND None Detected

Tests performed in accordance with BS 1377: Parts 1-9:1990 incorporating amendments where appropriate and BS EN ISO 17892: Parts 1-2:2014.



Project STOCKPORT BUS STATION Project No: PN153428

Sampl	Sample					Classification					Strength					
Hole	Depth (Specimen Depth) m	Туре	Sample Ref	Description	Symbo	_p (>425) %	w _L	w _p	w (p _d) %	Test	γ _b (γ _d) Mg/m ³	σ ₃	σ ₁ –σ ₃ kN/m²	c _u	c _{Avg}	
BH101	2.20- 2.65 (2.20)	D	N61653	Grey sandy SILT.		(15%)	26	NP	23.3							
BH106	1.20- 1.70 (1.20)	В	N61702	Yellowish brown sandy fine to coarse GRAVEL.					5.0							
BH108	2.00- 2.50 (2.00)	В	N61711	MADE GROUND: Reddish grey and black sandy fine to coarse gravel with pockets of clay.		(54%)	34	NP	22.2							
BH108	3.00- 3.45 (3.00)	D	N61670	MADE GROUND: Reddish grey and black sandy fine to coarse gravel with pockets of clay.		(65%)	32	NP	16.3							
BH112	1.80 (1.80)	D	N61648	Dark brown/black sandy SILT.		(30%)	77	NP	109							
WS201	1.20- 1.65 (1.20)	D	N61671	MADE GROUND: Brown sandy gravelly silt.		(50%)	33	NP	17.6							
WS201	2.40- 3.00 (2.40)	В	N61675	Firm greyish brown sandy CLAY.	CL	15 (NAT)	33	18	22.9							
WS208	1.20- 1.65 (1.20)	D	N61649	Brown gravelly very clayey SAND.		(51%)	29	NP	12.4							
WS211	3.80- 4.00 (3.80)	D	N61652	Dark grey sandy SILT.		(9%)	38	NP	42.5							
WS212	3.00- 3.45 (3.00)	D	N61651	Brown slightly gravelly sandy SILT.		(49%)	37	NP	21.9							
WS220	1.30- 1.70 (1.30)	D	N61793	MADE GROUND: Dark brown gravelly sand with ash. (See Test Remarks Sheet for further information)		(73%)	69	NP	33.2							
WS223	1.20 (1.20)	D	N61655	MADE GROUND: Brown gravelly fine to medium sand.		(25%)	29	NP	19.9							

Remarks 📅

NST - Not suitable for Test Water Content Test performed in accordance with BS EN ISO 17892 - 1: 2014

All other Tests performed in accordance with BS1377: 1990



STOCKPORT BUS STATION Project:

BH101 Hole

Sample Depth 1.20-1.65m

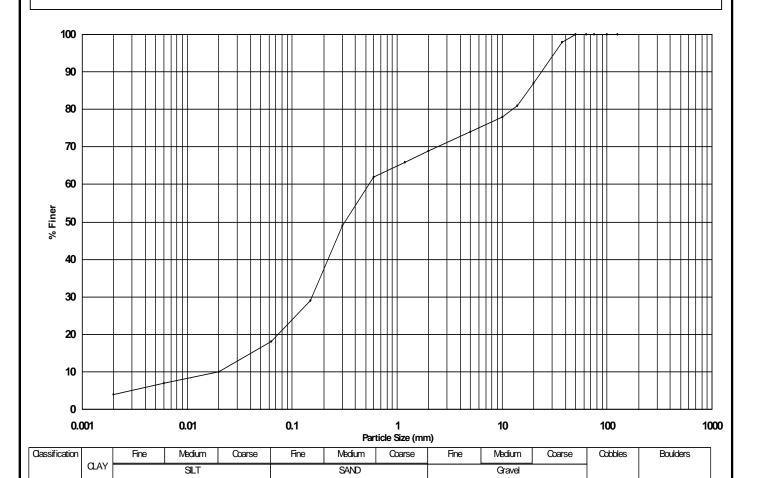
Sample Type Sample Ref

В N61674

Project No: PN153428

Sample Description

Yellowish brown clayey very gravelly fine to coarse SAND.



Classification	% of each
CLAY	4
SILT	14
SAND	51
GRAVEL	31
COBBLES	0
BOULDERS	0

Size	% Finer
125 mm	100
100 mm	100
75 mm	100
63 mm	100
50 mm	100
37.5 mm	98
20 mm	87
14 mm	81
10 mm	78
5 mm	74
2 mm	69
1.18 mm	66
600 μm	62
300 μm	49
150 μm	29
63 μm	18

% Finer
10
7
4

Uniformity Coefficient		
30.88		
Sieving Method		
Wet sieve		
Fine Particle Analysis		
Method	Pipette	
Pre-treated with	Hydrogen Peroxide	
% loss on Pre-treatment	0.00	
Particle Density	2.65 (Assumed)	



STOCKPORT BUS STATION Project:

BH103 Hole

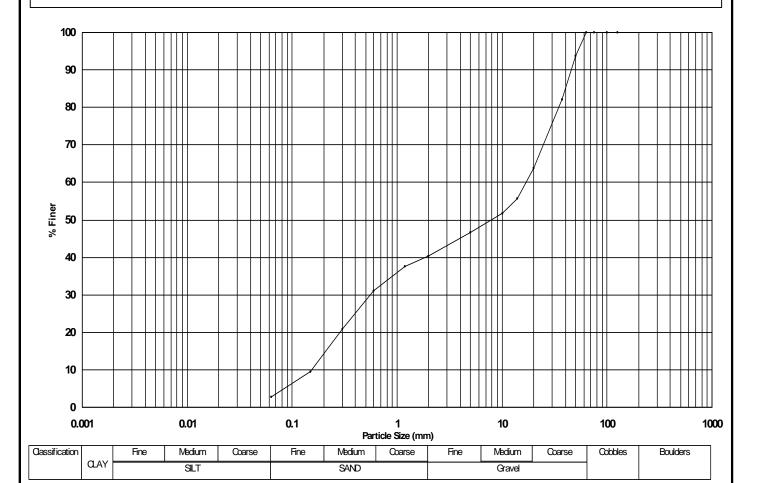
Sample Depth 2.20-2.65m

Project No: PN153428

Sample Type В N61706 Sample Ref

Sample Description

Yellowish brown and greyish brown slightly silty very sandy fine to coarse GRAVEL.



Classification	% of each
SILT (including CLAY)	3
SAND	37
GRAVEL	60
COBBLES	0
BOULDERS	0

Size	% Finer
125 mm	100
100 mm	100
75 mm	100
63 mm	100
50 mm	94
37.5 mm	82
20 mm	64
14 mm	56
10 mm	52
5 mm	47
2 mm	40
1.18 mm	38
600 μm	31
300 μm	21
150 μm	9
63 μm	3

Size	% Finer

Uniformity Coefficient	
109.10	
Sieving Method	
Wet sieve	
Fine Particle Analysis	
Method	
Pre-treated with	
% loss on Pre-treatment	
Particle Density	



STOCKPORT BUS STATION Project:

BH105 Hole

Sample Depth 2.00-2.50m

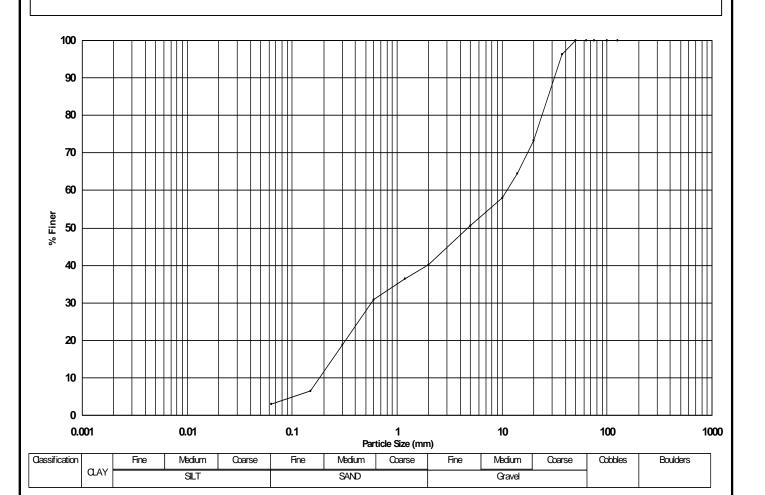
Sample Type Sample Ref

В N61703

Sample Description

Project No: PN153428

Yellowish brown very sandy fine to coarse GRAVEL.



Classification	% of each
SILT (including CLAY)	3
SAND	37
GRAVEL	60
COBBLES	0
BOULDERS	0

Size	% Finer
125 mm	100
100 mm	100
75 mm	100
63 mm	100
50 mm	100
37.5 mm	96
20 mm	73
14 mm	65
10 mm	58
5 mm	51
2 mm	40
1.18 mm	37
600 μm	31
300 μm	19
150 μm	6
63 μm	3

Size	% Finer

Uniformity Coefficient	
60.83	
Sieving Method	
Wet sieve	
Fine Particle Analysis	
Method	
Pre-treated with	
% loss on Pre-treatment	
Particle Density	



STOCKPORT BUS STATION Project:

BH107 Hole

Sample Depth 1.20-1.31m

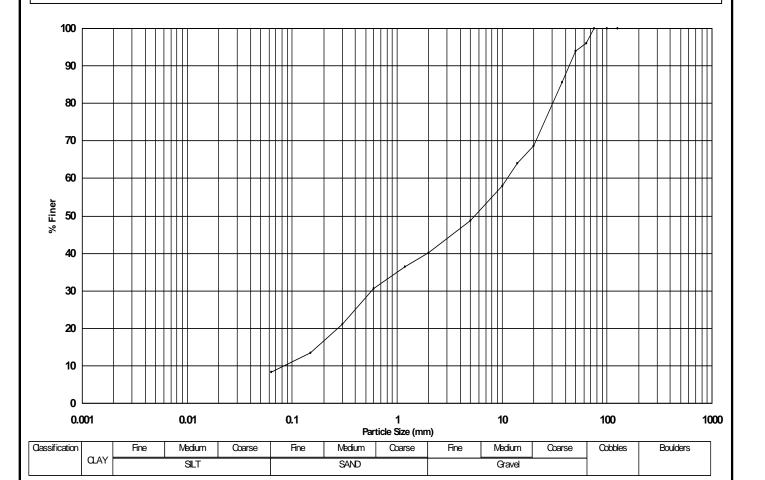
Sample Type Sample Ref

В N61707

Project No: PN153428

Sample Description

Yellowish brown silty very sandy fine to coarse GRAVEL with a low cobble content.



Classification	% of each
SILT (including CLAY)	8
SAND	32
GRAVEL	56
COBBLES	4
BOULDERS	0

Size	% Finer
125 mm	100
100 mm	100
75 mm	100
63 mm	96
50 mm	94
37.5 mm	86
20 mm	69
14 mm	64
10 mm	58
5 mm	49
2 mm	40
1.18 mm	36
600 μm	31
300 μm	21
150 μm	14
63 μm	8

Size	% Finer

Uniformity Coefficient	
135.64	
Sieving Method	
Wet sieve	
Fine Particle Analysis	
Method	
Pre-treated with	
% loss on Pre-treatment	
Particle Density	



STOCKPORT BUS STATION Project:

BH112 Hole

Sample Depth 3.00-3.50m

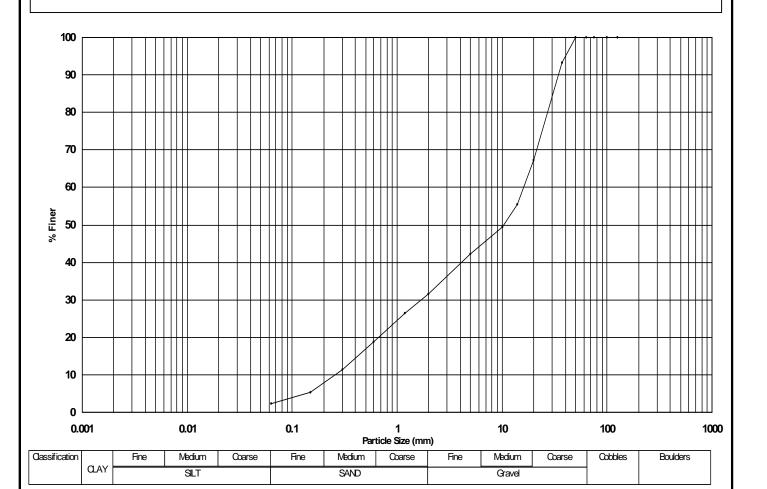
Sample Type Sample Ref

В N61669

Sample Description

Project No: PN153428

Yellowish brown very sandy fine to coarse GRAVEL.



Classification	% of each
SILT (including CLAY)	2
SAND	30
GRAVEL	68
COBBLES	0
BOULDERS	0

Size	% Finer
125 mm	100
100 mm	100
75 mm	100
63 mm	100
50 mm	100
37.5 mm	93
20 mm	67
14 mm	55
10 mm	49
5 mm	42
2 mm	32
1.18 mm	26
600 μm	19
300 μm	11
150 μm	5
63 μm	2

Size	% Finer

Uniformity Coefficient	
63.29	
Sieving Method	
Wet sieve	
Fine Particle Analysis	
Method	
Pre-treated with	
% loss on Pre-treatment	
Particle Density	



STOCKPORT BUS STATION Project:

WS204 Hole

Sample Depth 1.20-2.00m

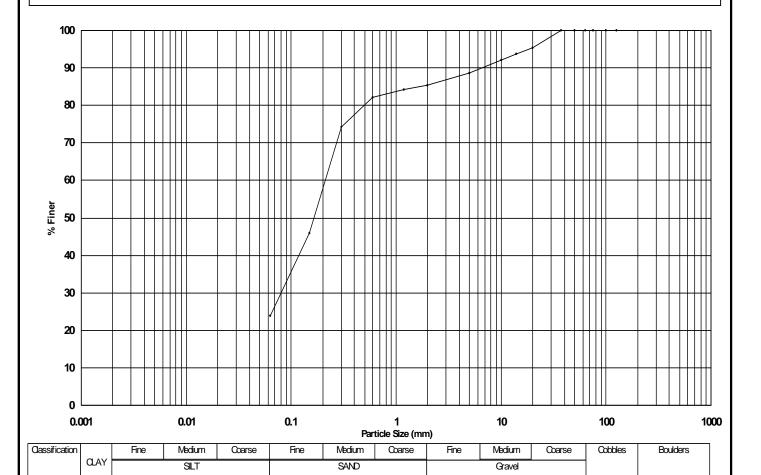
Project No: PN153428

Sample Type В Sample Ref

N61795

Sample Description

MADE GROUND: Orangish brown and grey gravelly fine to coarse sand with clay inclusions and brick fragments.



Classification	% of each
SILT (including CLAY)	24
SAND	61
GRAVEL	15
COBBLES	0
BOULDERS	0

Size	% Finer
125 mm	100
100 mm	100
75 mm	100
63 mm	100
50 mm	100
37.5 mm	100
20 mm	95
14 mm	94
10 mm	92
5 mm	89
2 mm	85
1.18 mm	84
600 μm	82
300 μm	74
150 μm	46
63 μm	24

Size	% Finer

Uniformity Coefficient	
Not Available	
Sieving Method	
Wet sieve	
Fine Particle Analysis	
Method	
Pre-treated with	
% loss on Pre-treatment	
Particle Density	



STOCKPORT BUS STATION Project:

WS208 Hole

Sample Depth 2.40-2.80m

Sample Type

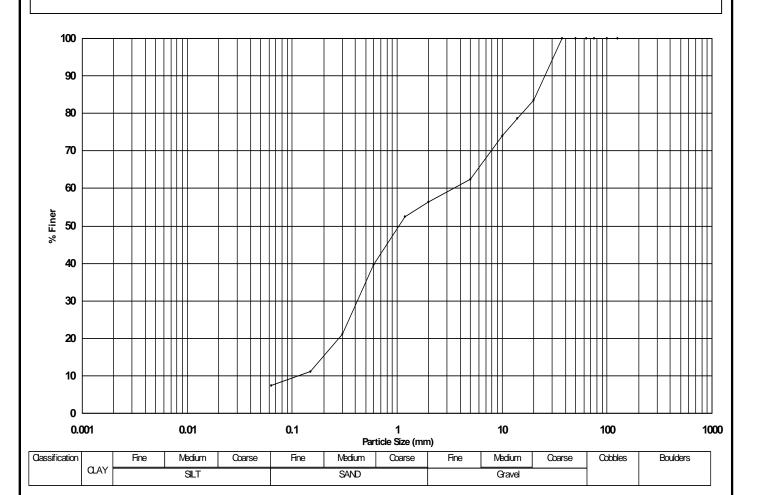
Sample Ref

В N61672

Project No: PN153428

Sample Description

Light brown and reddish brown silty SAND and GRAVEL.



Classification	% of each
SILT (including CLAY)	7
SAND	49
GRAVEL	44
COBBLES	0
BOULDERS	0

Size	% Finer
125 mm	100
100 mm	100
75 mm	100
63 mm	100
50 mm	100
37.5 mm	100
20 mm	83
14 mm	79
10 mm	74
5 mm	62
2 mm	56
1.18 mm	52
600 μm	40
300 μm	21
150 μm	11
63 μm	7

Size	% Finer

Uniformity Coefficient	
30.28	
Sieving Method	
Wet sieve	
Fine Particle Analysis	
Method	
Pre-treated with	
% loss on Pre-treatment	
Particle Density	



STOCKPORT BUS STATION Project:

WS210 Hole

Sample Depth 2.00-3.00m

Sample Type Sample Ref

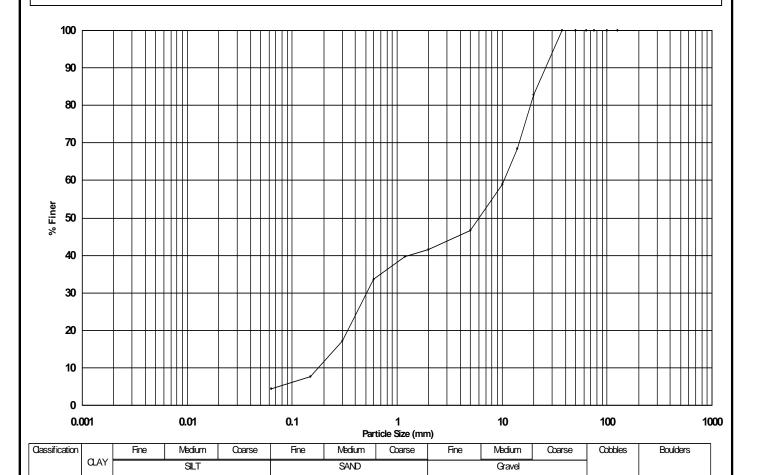
N61794

В

Sample Description

Project No: PN153428

MADE GROUND: Dark brown and greyish orange slightly silty very sandy fine to coarse gravel with brick fragments.



Classification	% of each
SILT (including CLAY)	4
SAND	38
GRAVEL	58
COBBLES	0
BOULDERS	0

Size	% Finer
125 mm	100
100 mm	100
75 mm	100
63 mm	100
50 mm	100
37.5 mm	100
20 mm	83
14 mm	68
10 mm	59
5 mm	47
2 mm	42
1.18 mm	40
600 μm	34
300 μm	17
150 μm	8
63 μm	4

Size	% Finer

Uniformity Coefficient	
58.07	
Sieving Method	
Wet sieve	
Fine Particle Analysis	
Method	
Pre-treated with	
% loss on Pre-treatment	
Particle Density	



STOCKPORT BUS STATION Project:

WS210 Hole

Sample Depth 4.00-5.00m

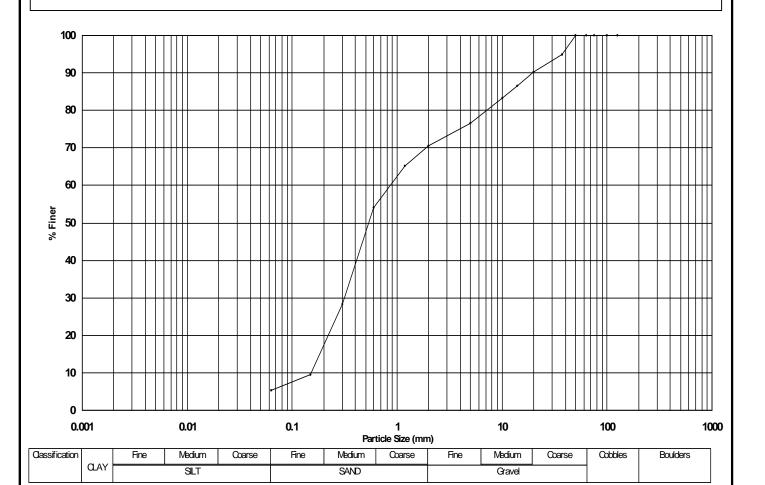
Sample Type Sample Ref

В N61668

Sample Description

Project No: PN153428

Greyish orange silty very gravelly fine to coarse SAND.



Classification	% of each
SILT (including CLAY)	5
SAND	66
GRAVEL	29
COBBLES	0
BOULDERS	0

Size	% Finer
125 mm	100
100 mm	100
75 mm	100
63 mm	100
50 mm	100
37.5 mm	95
20 mm	90
14 mm	87
10 mm	83
5 mm	77
2 mm	71
1.18 mm	65
600 μm	54
300 μm	28
150 μm	9
63 μm	5

Size	% Finer

Uniformity Coefficient	
5.62	
Sieving Method	
Wet sieve	
Fine Particle Analysis	
Method	
Pre-treated with	
% loss on Pre-treatment	
Particle Density	



STOCKPORT BUS STATION Project:

WS214 Hole

Sample Depth 2.40-3.00m

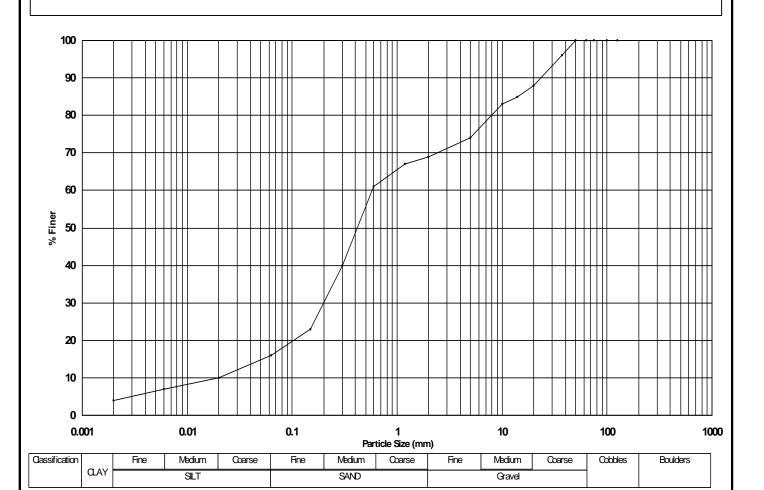
Sample Type Sample Ref

В N61710

Sample Description

Project No: PN153428

Reddish brown clayey very gravelly fine to coarse SAND.



Classification	% of each
CLAY	4
SILT	12
SAND	53
GRAVEL	31
COBBLES	0
BOULDERS	0

Size	% Finer
125 mm	100
100 mm	100
75 mm	100
63 mm	100
50 mm	100
37.5 mm	96
20 mm	88
14 mm	85
10 mm	83
5 mm	74
2 mm	69
1.18 mm	67
600 μm	61
300 μm	40
150 μm	23
63 μm	16

Size	% Finer
20 μm	10
6 μm	7 4
2 μm	4

Uniformity Coefficient								
31.83								
Sieving Method								
Wet sieve								
Fine Particle Analysis								
Method	Pipette							
Pre-treated with	Hydrogen Peroxide							
% loss on Pre-treatment	0.00							
Particle Density	2.65 (Assumed)							



Project: STOCKPORT BUS STATION

Hole WS223

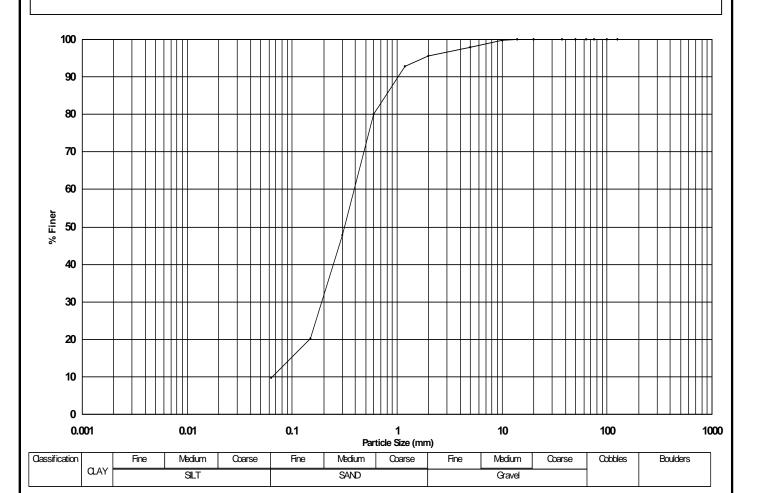
Sample Depth 2.50-3.00m

Sample Type Sample Ref B N61705

Sample Description

Project No: PN153428

Greyish orange silty slightly gravelly fine to coarse SAND.



Classification	% of each
SILT (including CLAY)	10
SAND	86
GRAVEL	4
COBBLES	0
BOULDERS	0

Size	% Finer
125 mm	100
100 mm	100
75 mm	100
63 mm	100
50 mm	100
37.5 mm	100
20 mm	100
14 mm	100
10 mm	100
5 mm	98
2 mm	96
1.18 mm	93
600 μm	80
300 μm	48
150 μm	20
63 μm	10

Size	% Finer

Uniformity Coefficient							
6.04							
Sieving Method							
Wet sieve							
Fine Particle Analysis							
Method							
Pre-treated with							
% loss on Pre-treatment							
Particle Density							



Project STOCKPORT BUS STATION PN153428

Sample		МС	:V	Con		CBR										
Hole	Depth	Туре	Sample	Description	MCV		_		эр	Bott	om					
	(Specimer Depth) m		Ref		I WIG V		Турс	(Opt)	ρ_{d}	γ_{b}	$\gamma_{d}^{\text{(Max)}}$		CBR		CBR	w
						%		%		Mg/m³			%	%	%	%
BH106	1.20- 1.70		N61702	Yellowish brown sandy fine to coarse GRAVEL.			2.5kg	(5.0) 6.4*	2.65a	*2.20	(2.10) *2.07					
	(1.20-	1		COAISC GRAVEE.				2.8		2.05	2.00					
	1.70)							5.1		2.19	2.09					
								8.6 11.2		2.02 1.95	1.86 1.75					
					1			11.2		1.55	1.75					
		<u> </u>														

Remarks 🖫

Particle Density - a=assumed, m=measured

NST - Not suitable for Test

Water Content Test performed in accordance with BS EN ISO 17892 - 1: 2014

* = at natural moisture content

All other Tests performed in accordance with BS1377: 1990



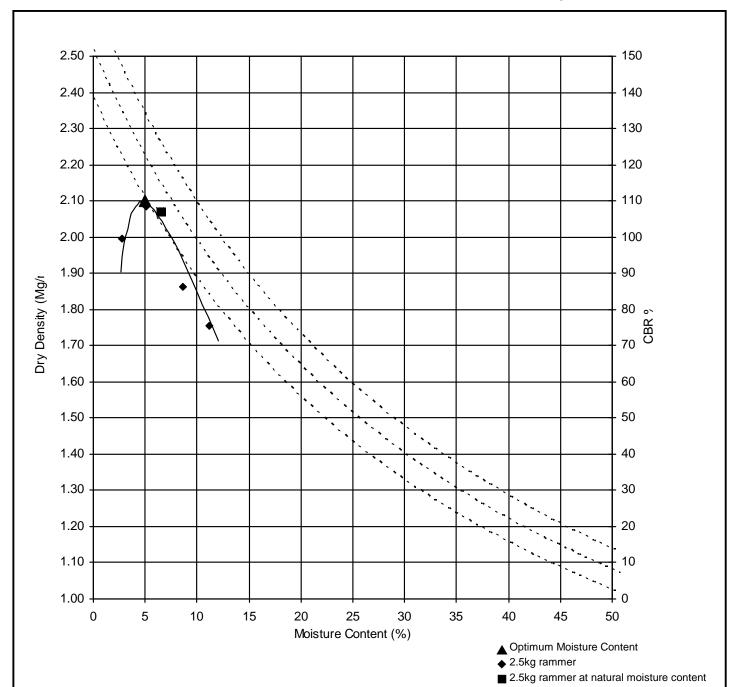
LABORATORY RESULTS - Compaction

Project: STOCKPORT BUS STATION

Project No: PN153428

Hole BH106 Sample Depth 1.20-1.70m

Sample Type B Sample Ref N61702



Optimum Mo	pisture Content ry Density	5.0 2.10 Mg/m ³
Gravel retain	ed on	
	37.5mm sieve	10 %

20mm sieve

Particle Density 2.65 (Assumed)

Preparation 2.5kg

Description Yellowish brown sandy fine to coarse GRAVEL.

Remarks

BS1377 Part 4 1990 : Clause 3.3 and 3.4

18 %



LABORATORY RESULTS - ISRM Suggested Method for Point Load Strength Determination

Project STOCKPORT BUS STATION PN153428

Sample	2							Fail						
Hole	Depth (Specimen Depth) m	Туре	Sample Ref	Description	w %	W mm	D mm	Load kN	Test Type/ Direction	De mm	De ²	Is MN/m ²	F	Is 50 MN/m
BH101	6.40- 6.55 (6.40- 6.55)	С	N61764	Very weak reddish brown fine to coarse grained SANDSTONE.	9.8	83 82	82 72	0.37 0.67	D/PL A/PD	82.00 86.70	6724 7517	0.056 0.089	1.249 1.281	
BH101	7.80- 7.94 (7.80- 7.94)	С	N61765	Extremely weak to very weak reddish brown fine to coarse grained SANDSTONE.	11.2	83 81	81 71	0.16 0.64	D/PL A/PD	81.00 85.57	6561 7322	0.024 0.088	1.243 1.274	
BH102	5.17- 5.26 (5.17- 5.26)	С	N61770	Extremely weak to very weak reddish brown SANDSTONE.	9.7	85 83	83 61	0.17 0.63	D/PL A/PD	83.00 80.29	6889 6446	0.025 0.097	1.256 1.238	
BH102	11.60- 11.70 (11.60- 11.70)		N61766	Very weak reddish brown SANDSTONE.	11.0	85 85	85 48	0.48 0.69	D/PL A/PD	85.00 72.08	7225 5195	0.067 0.133	1.270 1.179	
BH103	6.70- 6.86 (6.70- 6.86)	С	N61771	Very weak reddish brown fine to coarse grained SANDSTONE.	12.5	85 83	83 61	0.38 0.35	D/PL A/PD	83.00 80.29	6889 6446	0.055 0.054	1.256 1.238	
BH103	13.20- 13.39 (13.20- 13.39)		N62023	Very weak reddish brown fine to coarse grained SANDSTONE.	13.1	85 84 84	84 61 49	0.29 0.58 0.33	D/PL A/PD A/PD	84.00 80.77 72.39	7056 6524 5241	0.041 0.089 0.064	1.263 1.241 1.181	0.052 0.110 0.075
BH104	6.00- 6.10 (6.00- 6.10)	l	N61768	Extremely weak reddish brown fine to coarse grained SANDSTONE.	8.1	85 85	85 59	0.09 0.20	D/PL A/PD	85.00 79.91	7225 6385	0.012 0.032	1.270 1.235	
BH104	8.50- 8.65 (8.50- 8.65)		N61769	Extremely weak to very weak reddish brown fine to coarse grained SANDSTONE.	16.7	84 84	84 69	0.16 0.37	D/PL A/PD	84.00 85.91	7056 7380	0.022 0.050	1.263 1.276	
BH104	12.10- 12.20 (12.10- 12.20)		N61767	Very weak reddish brown fine to coarse grained SANDSTONE.	10.1	84 83	83 57	0.30 0.41	D/PL A/PD	83.00 77.61	6889 6024	0.043 0.069	1.256 1.219	
BH105	7.10- 7.29 (7.10- 7.29)		N62024	Very weak reddish brown fine to coarse grained SANDSTONE.	9.6	84	67	0.31	A/PD	84.65	7166	0.044	1.267	0.056
BH105	13.00- 13.34 (13.00- 13.34)		N62025	Extremely weak to very weak reddish brown fine to coarse grained SANDSTONE.	5.9	84 83 83	83 64 50	0.15 0.81 0.69	D/PL A/PD A/PD	83.00 82.24 72.69	6889 6763 5284	0.022 0.120 0.131	1.256 1.251 1.183	0.150

Remarks 🖫

Test Type

D-Diametral, A-Axial, I-Lump or Irregular Test

Direction PL-parallel to planes of weakness, PD - perpendicular to planes of weakness,

R-Random or unknown orientation

Fail Load UF-unacceptable failure



LABORATORY RESULTS - ISRM Suggested Method for Point Load Strength Determination

Project STOCKPORT BUS STATION Project No: PN153428

Hole	Depth (Specimen Depth) m	Туре	Sample Ref	Description	w %	W mm	D mm	Fail Load kN	Test Type/ Direction	De mm	De ²	Is MN/m ²	F	Is ₅₀ MN/m
BH106	3.70- 3.80 (3.70- 3.80)	С	N61758	Very weak reddish brown fine to coarse grained SANDSTONE.	7.8	85 85	85 48	0.24 0.63	D/PL A/PD	85.00 72.08	7225 5195	0.033 0.122	1.270 1.179	
BH106	10.80- 10.90 (10.80- 10.90)	С	N61759	Extremely weak to very weak reddish brown fine to coarse grained SANDSTONE.	11.7	85 84	84 63	0.18 0.75	D/PL A/PD	84.00 82.09	7056 6738	0.026 0.112	1.263 1.250	
BH108	11.80- 14.80 (11.80- 14.80)	С	N61762	Very weak reddish brown medium grained SANDSTONE.	13.4	85 85	85 71	0.25 0.33	D/PL A/PD	85.00 87.66	7225 7684	0.035 0.042	1.270 1.287	0.044 0.055
BH108	14.35- 14.61 (14.35- 14.61)	С	N62026	Very weak to weak reddish brown medium grained SANDSTONE.	7.7	85 84 84	84 64 61	0.46 1.53 1.46	D/PL A/PD A/PD	84.00 82.73 80.77	7056 6845 6524	0.065 0.224 0.223	1.263 1.254 1.241	0.082 0.281 0.277
BH108	15.30- 15.38 (15.30- 15.38)	С	N61763	Very weak to weak reddish brown medium grained SANDSTONE.	11.8	85 85	85 78	0.72 1.56	D/PL A/PD	85.00 91.88	7225 8442	0.100 0.185	1.270 1.315	
BH108	17.30- 17.58 (17.30- 17.58)	С	N62027	Very weak reddish brown medium grained SANDSTONE.	11.3	85 85 85	85 61 52	0.51 0.68 0.57	D/PL A/PD A/PD	85.00 81.25 75.02	7225 6602 5628	0.070 0.103 0.101	1.270 1.244 1.200	0.128
BH109	9.40- 9.60 (9.40- 9.60)	С	N62028	Very weak reddish brown fine to coarse grained SANDSTONE.	10.4	85 85 85	85 61 60	0.36 0.56 0.57	D/PL A/PD A/PD	85.00 81.25 80.58	7225 6602 6494	0.050 0.085 0.087	1.270 1.244 1.240	0.105
BH109	12.30- 12.62 (12.30- 12.62)	С	N62029	Very weak reddish brown fine to coarse grained SANDSTONE.	13.8	80	69	0.65	A/PD	83.83	7028	0.093	1.262	0.117
BH109	13.90- 14.15 (13.90- 14.15)	С	N61760	Very weak reddish brown fine to coarse grained SANDSTONE.	15.5	85 84	84 82	0.26 0.75	D/PL A/PD	84.00 93.65	7056 8770		1.263 1.326	
BH109	19.40- 19.60 (19.40- 19.60)	С	N61761	Extremely weak to very weak reddish brown fine to coarse grained SANDSTONE.	14.0	85 83	83 60	0.14 0.53	D/PL A/PD	83.00 79.63	6889 6341	0.020 0.084	1.256 1.233	
BH109	19.70- 19.90 (19.70- 19.90)	С	N62030	Very weak reddish brown fine to coarse grained SANDSTONE.	11.6	85 84 84	84 69 79	0.53 0.74 0.81	D/PL A/PD A/PD	84.00 85.91 91.92	7056 7380 8449		1.263 1.276 1.315	0.129

Remarks 🖫

Test Type

D-Diametral, A-Axial, I-Lump or Irregular Test PL-parallel to planes of weakness, PD - perpendicular to planes of weakness, Direction

R-Random or unknown orientation

Fail Load UF-unacceptable failure



LABORATORY RESULTS - ISRM Suggested Method for Point Load Strength Determination

Project STOCKPORT BUS STATION Project No: PN153428

Sample	е							F-9						
Hole	Depth (Specimen Depth) m	Туре	Sample Ref	Description	w %	W mm	D mm	Fail Load kN	Test Type/ Direction	De mm	De ²	Is MN/m ²	F	Is 50 MN/m
BH112	6.50- 6.80 (6.50- 6.80)		N62032	Extremely weak to very weak reddish brown fine to coarse grained SANDSTONE.	12.1	85 80 80	80 71 57	0.13 0.50 0.57	A/PD	80.00 85.04 76.20	6400 7232 5806	0.069	1.236 1.270 1.209	0.087
BH112	9.60- 9.80 (9.60- 9.80)		N62031	Very weak reddish brown fine to coarse grained SANDSTONE.	5.6	85 85 85	85 89 76	0.92 1.45 1.32	A/PD	85.00 98.14 90.69	7225 9632 8225	0.151	1.270 1.355 1.307	0.204

Remarks 📅

Test Type

D-Diametral, A-Axial, I-Lump or Irregular Test

Direction

PL-parallel to planes of weakness, PD - perpendicular to planes of weakness,

R-Random or unknown orientation UF-unacceptable failure

Fail Load \



LABORATORY RESULTS - Test Remarks

Project STOCKPORT BUS STATION Project No: PN153428

Sample	•			
Hole	Depth (Specimen Depth) m	Туре	Sample Ref	Laboratory Remark
WS220	1.30- 1.70 (1.30- 1.70)		N61793	Atterberg Limit Test - 1-point cone
Remari				

Remarks 📊





Registered Address: Unit 3 Deeside Point, Zone 3, Deeside Industrial Park, Deeside, CH5 2UA. UK

Unit 3 Deeside Point

Zone 3

Deeside Industrial Park

Deeside CH5 2UA

Tel: +44 (0) 1244 833780 Fax: +44 (0) 1244 833781





Attention :

Geotechnics Unit 1B

River Lane Chester Cheshire CH4 8RJ

Borders Industrial Park

Date: 14th January, 2016

Your reference : PN153428

Our reference : Test Report 16/3162 Batch 1

Location : Stockport Bus Station

Date samples received: 8th January, 2016

Status: Final report

Issue:

Twenty two samples were received for analysis on 8th January, 2016 of which twenty two were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.

All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Compiled By:

Geotechnics Client Name: PN153428

Reference: Stockport Bus Station Location:

Contact:

Report : Solid

JE Job No.:	16/3162												
J E Sample No.	1	2	3	4	5	6	7	8	9	10			
Sample ID	103	106	107	109	111	BH108	BH108	BH112	CT4	CT5			
	1.00-1.20	0.40-0.60	0.35-0.55	1.00-1.20	0.50-0.70	0.80	3.80	0.80	2.20-2.65	1.25-1.65		e attached no	
COC No / misc											abbievi	ations and at	or or i yrris
Containers	В	В	В	В	В	В	В	В	В	В			
Sample Date	<>	<>	<>	<>	<>	<>	<>	<>	<>	<>			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	1	1	1	1	1	1	1	1	1	1	LOD/LOR	Units	Method No.
Date of Receipt													
Total Sulphate BRE	0.02	0.01	0.03	0.14	0.01	0.12	0.05	0.08	<0.01	0.14	<0.01	%	TM50/PM29
Sulphate as SO4 (2:1 Ext) #M	0.0577	0.0168	0.0456	0.1415	0.0252	0.0453	0.0285	0.0671	0.0101	0.0394	<0.0015	g/l	TM38/PM20
Organic Matter	1.1	<0.2	<0.2	1.9	1.3	14.6	0.7	<0.2	0.3	9.7	<0.2	%	TM21/PM24
pH #M	9.09	10.93	11.98	8.49	8.16	8.41	9.16	11.44	8.41	8.71	<0.01	pH units	TM73/PM11
Sample Type	Clayey Sand		Sand	Sand	Clay	Clayey Sand	Sand	Sand	Clayey Sand			None	PM13/PM0
Sample Colour	Medium Brown	Ü		Medium Brown				Light Brown				None	PM13/PM0
Other Items	stones, loam	stones	stones	stones, brick	stones, brick	loam, sand, brick	brick, stones	stones	stones	stones, sand		None	PM13/PM0
		Ī	1			1	1		1	1			Ī

Geotechnics Client Name: PN153428 Reference:

Stockport Bus Station Location:

Contact:

16/3162

Report : Solid

JE Job No.:	16/3162												
J E Sample No.	11	12	13	14	15	16	17	18	19	20			
Sample ID	CT6B	СТ7	СТ8	104	BH101	WS201	WS205	WS208	WS211	WS212			
Depth	1.20-1.65	3.00-3.45	1.20-1.65	0.40-0.60	1.00-1.20	1.00-1.20	2.00-2.38	1.20-1.30	1.20-1.65	1.50-1.70		ee attached nations and a	
COC No / misc	_	_	_	_	_	_	_	_	_	_			
Containers	В	В	В	В	В	В	В	В	В	В			
Sample Date	<>	<>	<>	<>	<>	<>	<>	<>	<>	<>			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		ı	
Batch Number	1	1	1	1	1	1	1	1	1	1	LOD/LOR	Units	Method No.
Date of Receipt	08/01/2016	08/01/2016		08/01/2016	08/01/2016	08/01/2016	08/01/2016	08/01/2016	08/01/2016	08/01/2016			
Total Sulphate BRE	0.03	0.04	0.15	0.02	<0.01	0.05	<0.01	0.06	0.07	2.26 _{AA}	<0.01	%	TM50/PM29
Sulphate as SO4 (2:1 Ext) #M	0.0146	0.0211	0.0380	0.0372	0.0175	0.0134	0.1181	0.1543	0.1833	1.7608	<0.0015	g/l	TM38/PM20
Organic Matter	3.8	6.5	18.3	0.2	<0.2	14.1	<0.2	9.3	9.5	56.5	<0.2	%	TM21/PM24
pH ^{#M}	8.96	8.50	8.54	11.72	8.87	8.81	9.49	8.05	8.21	7.86	<0.01	pH units	TM73/PM11
Sample Type	Sand	Clay	Clayey Sand		Clay	Clay	Sand	Clayey Loam		Loam		None	PM13/PM0
Sample Colour Other Items	-		stones, brick	Medium Grey				Dark Brown stones, sand, brick		Dark Brown stones, sand		None	PM13/PM0 PM13/PM0
Other items	stones	sanu, stones	Stories, brick	stones	stories, sand	stones, clinker, brick	stones	stories, sario, brick	stones	stories, sand		None	PIVI 13/PIVIU
								l			l	l	

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 16/3162

Report : Solid

JE JOD NO.:	10/3/102												
J E Sample No.	21	22											
Sample ID	WS217	WS218A											
Depth	1.20-1.30	1.20-1.65					Diverse		-t fII				
COC No / misc							abbrevi	e attached no ations and ac	otes for all cronyms				
Containers	В	В											
Sample Date	<>	<>											
Sample Type	Soil	Soil											
Batch Number	1	1					1.00#.00	I I a Sta	Method				
Date of Receipt	08/01/2016	08/01/2016					LOD/LOR	Units	No.				
Total Sulphate BRE	0.02	<0.01					<0.01	%	TM50/PM29				
Sulphate as SO4 (2:1 Ext) #M	0.0372	0.0201					<0.0015	g/l	TM38/PM20				
Calphate as SO4 (2.1 EXI)	0.0012	0.0201					3.0010	9"	750/1 IVIZU				
Organic Matter	3.1	0.7					<0.2	%	TM21/PM24				
рН **	8.82	9.62					<0.01	pH units	TM73/PM11				
Sample Type	Clay	9.62 Sand					~U.U1	None	PM13/PM0				
Sample Colour	Medium Brown							None	PM13/PM0				
Other Items	stones	NA						None	PM13/PM0				

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

JE Job No.: 16/3162

SOILS

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited.

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCI (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 (UKAS) accreditation applies to surface water and groundwater and one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

DEVIATING SAMPLES

Samples must be received in a condition appropriate to the requested analyses. All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. If this is not the case you will be informed and any test results that may be compromised highlighted on your deviating samples report.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

DILUTIONS

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

NOTE

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a UKAS requirement for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.

Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

ABBREVIATIONS and ACRONYMS USED

JE Job No: 16/3162

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
PM13	A visual examination of the solid sample is carried out to ascertain sample make up, colour and any other inclusions. This is not a geotechnical description.	PM0	No preparation is required.			AR	
TM21	Modified USEPA 415.1. Determination of Total Organic Carbon or Total Carbon by combustion in an Eltra TOC furnace/analyser in the presence of oxygen. The CO2 generated is quantified using infra-red detection.	PM24	Dried and ground solid samples are washed with hydrochloric acid, then rinsed with deionised water to remove the mineral carbon before TOC analysis.			AD	Yes
TM38	Soluble Ion analysis using the Thermo Aquakem Photometric Automatic Analyser. Modified US EPA methods 325.2, 375.4, 365.2, 353.1, 354.1	PM20	Extraction of dried and ground samples with deionised water in a 2:1 water to solid ratio for anions. Extraction of as received samples with deionised water in a 2:1 water to solid ratio for ammoniacal nitrogen. Samples are extracted using an orbital shaker.	Yes	Yes	AD	Yes
TM50	Acid soluble sulphate analysed by ICP-OES	PM29	Dried and ground solid sample is boiled with dilute hydrochloric acid, the resulting liquor is then analysed.			AD	Yes
TM73	Modified US EPA methods 150.1 and 9045D. Determination of pH by Metrohm automated probe analyser.	PM11	Extraction of as received solid samples using one part solid to 2.5 parts deionised water.	Yes	Yes	AR	No



Registered Address: Unit 3 Deeside Point, Zone 3, Deeside Industrial Park, Deeside, CH5 2UA. UK

Unit 3 Deeside Point

Zone 3

Deeside Industrial Park

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 Geotechnics
 Tel: +44 (0) 1244 833780

 Unit 1B
 Tel: +44 (0) 1244 833780

 Borders Industrial Park
 Fax: +44 (0) 1244 833781

 River Lane
 Fax: +44 (0) 1244 833781





Attention :

Cheshire CH4 8RJ

Date: 14th January, 2016

Your reference : PN153428

Our reference: Test Report 16/3162 Batch 2

Location : Stockport Bus Station

Date samples received: 11th January, 2016

Status: Final report

Issue:

Thirteen samples were received for analysis on 11th January, 2016 of which thirteen were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.

All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Compiled By:

Geotechnics Client Name: PN153428 Reference:

Stockport Bus Station Location:

Contact:

Report : Solid

JE Job No.:	16/3162												
J E Sample No.	23	24	25	26	27	28	29	30	31	32			
Sample ID	BH102	BH105	WS203	WS204	WS206	WS209	WS211	WS214	WS214	WS219			
Depth	0.10-0.15	0.70-0.80	0.20-0.50	0.50-1.00	0.50-1.00	0.60-1.00	0.20-0.50	0.50-1.00	0.50-1.00	0.50-0.90		ee attached r	
COC No / misc								LIGHT	DARK		abbievi	auons and a	Cionyma
Containers	В	В	В	В	В	В	В	В	В	В			
Sample Date	<>	<>	<>	<>	<>	<>	<>	<>	<>	<>			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Batch Number	2	2	2	2	2	2	2	2	2	2	LOD/LOR	Units	Method
Date of Receipt	11/01/2016	11/01/2016	11/01/2016	11/01/2016	11/01/2016	11/01/2016	11/01/2016	11/01/2016	11/01/2016	11/01/2016	LOD/LOR	Office	No.
Total Sulphate BRE	0.26	0.18	0.02	0.06	0.04	0.04	0.06	0.03	0.03	0.02	<0.01	%	TM50/PM29
Sulphate as SO4 (2:1 Ext) #M	<0.0015	0.0149	0.0185	0.0269	0.0622	0.0500	0.0917	0.0504	0.0302	0.0415	<0.0015	g/l	TM38/PM20
Organic Matter	<0.2	<0.2	3.0	4.4	2.9	14.8	30.9	12.1	15.1	<0.2	<0.2	%	TM21/PM24
рН #М	12.13	12.40	8.74	8.68	8.66	9.14	8.43	8.79	8.74	11.47	<0.01	pH units	TM73/PM11
Sample Type	Sand	Sand	Loamy Sand	Loamy Sand	Loamy Sand	Loamy Sand	Loamy Sand	Loamy Sand	Loamy Sand	Sand		None	PM13/PM0
Sample Colour	Light Brown	Light Brown	Dark Brown	Medium Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown	Light Brown		None	PM13/PM0
Other Items	stones	stones	stones	stones	stones	stones	stones	stones	stones	stones		None	PM13/PM0

Client Name: Geotechnics
Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 16/3162

Report : Solid

JE Job No.:	16/3162						_		
J E Sample No.	33	34	35						
Sample ID	WS220	WS223	WS224						
Depth	0.20-0.50	0.50-1.00	0.50-1.00				Please se	e attached n	otes for all
COC No / misc							abbrevi	ations and a	cronyms
Containers	В	В	В						
Sample Date	<>	<>	<>						
Sample Type	Soil	Soil	Soil						
Batch Number		2	2						Mathad
Date of Receipt							LOD/LOR	Units	Method No.
Total Sulphate BRE	0.26	0.09	0.03				<0.01	%	TM50/PM29
Sulphate as SO4 (2:1 Ext) #M	0.3102	0.0346	0.0210				<0.0015	g/l	TM38/PM20
Organic Matter	5.2	<0.2	2.4				<0.2	%	TM21/PM24
pH #M	11.84	12.26	8.52				<0.01	pH units	TM73/PM11
Sample Type	Loamy Sand	Sand	Loam					None	PM13/PM0
Sample Colour	Dark Brown	Light Brown	Dark Brown					None	PM13/PM0
Other Items	stones	stones	stones					None	PM13/PM0

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

JE Job No.: 16/3162

SOILS

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCI (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 (UKAS) accreditation applies to surface water and groundwater and one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil or Fats, Oils and Grease is guoted, this refers to Total Aliphatics C10-C40.

DEVIATING SAMPLES

Samples must be received in a condition appropriate to the requested analyses. All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. If this is not the case you will be informed and any test results that may be compromised highlighted on your deviating samples report.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

DILUTIONS

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

NOTE

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a UKAS requirement for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.

Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

ABBREVIATIONS and ACRONYMS USED

#	ISO17025 (UKAS) accredited - UK.
В	Indicates analyte found in associated method blank.
DR	Dilution required.
M	MCERTS accredited.
NA	Not applicable
NAD	No Asbestos Detected.
ND	None Detected (usually refers to VOC and/SVOC TICs).
NDP	No Determination Possible
SS	Calibrated against a single substance
SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
++	Result outside calibration range, results should be considered as indicative only and are not accredited.
*	Analysis subcontracted to a Jones Environmental approved laboratory.
AD	Samples are dried at 35°C ±5°C
СО	Suspected carry over
LOD/LOR	Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS
ME	Matrix Effect
NFD	No Fibres Detected
BS	AQC Sample
LB	Blank Sample
N	Client Sample
TB	Trip Blank Sample
OC	Outside Calibration Range

JE Job No: 16/3162

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
PM13	A visual examination of the solid sample is carried out to ascertain sample make up, colour and any other inclusions. This is not a geotechnical description.	PM0	No preparation is required.			AR	
TM21	Modified USEPA 415.1. Determination of Total Organic Carbon or Total Carbon by combustion in an Eltra TOC furnace/analyser in the presence of oxygen. The CO2 generated is quantified using infra-red detection.	PM24	Dried and ground solid samples are washed with hydrochloric acid, then rinsed with deionised water to remove the mineral carbon before TOC analysis.			AD	Yes
TM38	Soluble Ion analysis using the Thermo Aquakem Photometric Automatic Analyser. Modified US EPA methods 325.2, 375.4, 365.2, 353.1, 354.1	PM20	Extraction of dried and ground samples with deionised water in a 2:1 water to solid ratio for anions. Extraction of as received samples with deionised water in a 2:1 water to solid ratio for ammoniacal nitrogen. Samples are extracted using an orbital shaker.	Yes	Yes	AD	Yes
TM50	Acid soluble sulphate analysed by ICP-OES	PM29	Dried and ground solid sample is boiled with dilute hydrochloric acid, the resulting liquor is then analysed.			AD	Yes
TM73	Modified US EPA methods 150.1 and 9045D. Determination of pH by Metrohm automated probe analyser.	PM11	Extraction of as received solid samples using one part solid to 2.5 parts deionised water.	Yes	Yes	AR	No



Registered Address: Unit 3 Deeside Point, Zone 3, Deeside Industrial Park, Deeside, CH5 2UA. UK

Unit 3 Deeside Point

Zone 3

Deeside Industrial Park

Deeside CH5 2UA

Geotechnics
Unit 1B
Borders Industrial Park
River Lane
Chester
Cheshire
CH4 8RJ

Tel: +44 (0) 1244 833780 Fax: +44 (0) 1244 833781

Attention:

Date: 3rd February, 2016

Your reference : PN153428

Our reference: Test Report 16/3162 Batch 4

Location : Stockport Bus Station

Date samples received: 27th January, 2016

Status: Final report

Issue:

One sample were received for analysis on 27th January, 2016 of which one were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.

All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Compiled By:

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 16/3162

Report : Solid

JE JOD NO.:	10/3/102							
J E Sample No.	76							
Sample ID	BH112							
Depth	1.80							
COC No / misc						Please se abbrevi	e attached neations and ac	otes for all cronyms
Containers								
Sample Date								
Sample Type								
Batch Number								
Date of Receipt						LOD/LOR	Units	Method No.
Organic Matter	21.7					<0.2	%	TM21/PM24
-								
Sample Type	Clay						None	PM13/PM0
Sample Colour Other Items	Dark Brown vegetation, sand						None	PM13/PM0 PM13/PM0
Outer Reitis	vogotation, Sand						None	i- IVI I 3/PIVIU

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

J E Job No.	Batch	Sample ID	Depth	J E Sample No.	Analysis	Reason					
	No deviating sample report results for job 16/3162										

Please note that only samples that are deviating are mentioned in this report. If no samples are listed it is because none were deviating. Only analyses which are accredited are recorded as deviating if set criteria are not met.

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

JE Job No.: 16/3162

SOILS

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCI (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 (UKAS) accreditation applies to surface water and groundwater and one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil or Fats, Oils and Grease is guoted, this refers to Total Aliphatics C10-C40.

DEVIATING SAMPLES

Samples must be received in a condition appropriate to the requested analyses. All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. If this is not the case you will be informed and any test results that may be compromised highlighted on your deviating samples report.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

DILUTIONS

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NOTE

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NDP	No Determination Possible
SS	Calibrated against a single substance
SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
++	Result outside calibration range, results should be considered as indicative only and are not accredited.
*	Analysis subcontracted to a Jones Environmental approved laboratory.
AD	Samples are dried at 35°C ±5°C
СО	Suspected carry over
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ME	Matrix Effect
NFD	No Fibres Detected
BS	AQC Sample
LB	Blank Sample
N	Client Sample
TB	Trip Blank Sample
OC	Outside Calibration Range

JE Job No: 16/3162

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
PM13	A visual examination of the solid sample is carried out to ascertain sample make up, colour and any other inclusions. This is not a geotechnical description.	PM0	No preparation is required.			AR	
TM21	Modified USEPA 415.1. Determination of Total Organic Carbon or Total Carbon by combustion in an Eltra TOC furnace/analyser in the presence of oxygen. The CO2 generated is quantified using infra-red detection.	PM24	Dried and ground solid samples are washed with hydrochloric acid, then rinsed with deionised water to remove the mineral carbon before TOC analysis.			AD	Yes



Geotechnics Limited,

Date: 12 February 2016
The Geotechnical Centre,

Test Report Ref: STR 447282

Unit 1 Borders Ind. Est River Lane, SALTNEY,

Chester, Order No: AUTH-ON14007

CH4 8RJ Page 1 of 2

Contract: PN153428 - Stockport Bus Staion

LABORATORY TEST REPORT

TEST REQUIREMENTS: To determine the Uniaxial Compressive Strength in accordance with

ISRM Guidelines

SAMPLE DETAILS:

Certificate of sampling received: No Laboratory Ref. No: S56524

Client Ref. : BH105 - 13-13.34

Date and Time of Sampling:

Date of Receipt at Lab:

Date of Start of Test:

Sampling Location:

Name of Source:

Unknown

13/01/2016

13-13.34

Unknown

Method of Sampling: Unknown Sampled By: Client

Material Description: Rock Core

Target Specification: N/A

RESULTS:

See attached

Certificate Approved by: -

Prepared by:-

Job Coordinator Technical Manager



Test Report Ref: STR 447282 - Page 2 of 2

ВН	Core Diameter (mm)	Height/ Diameter Ratio	Uniaxial compressive strength (MPa)	Mode of Failure	EN ISO 14689-1 Term	Water content (%)
BH105 13.0-13.34	84.5	2:1	12	N	Weak	11.9
BH108 14.35-14.62	85	1.2:1	11	N	Weak	12.7
BH108 17.3-17.58	84	1.1:1	5	N	Weak	14.1
BH108 19.0-19.4	85.7	1.8:1	4	N	Very Weak	12.6
BH109 9.4-9.6	84.9	1.4:1	4	N	Very Weak	14
BH109 12.3-12.65	85	1.1:1	6	N	Weak	16.1
BH109 19.7-19.9	84.7	1.4:1	8	N	Weak	15.6
BH112 6.5-6.8	85	1.12:1	9	N	Weak	11.7
BH112 9.6-9.8	85.2	1.2:1	4	N	Very Weak	12.2

Comments

- 1) The uniaxial compressive strength was carried out in accordance with ISRM guidelines.
- 2) Stress Rate: 0.7Mpa/s.

EN ISO 14689-1 : 2003 Rock Strength Terms							
Compressive Strength mpa	Term						
<1.0	Extremely Weak						
1 to 5	Very Weak						
5 to 25	Weak						
25 to 50	Meduim Strong						
50 to 100	Strong						
100 to 250	Very Strong						
> 250	Extremely Strong						



Geotechnics Limited, The Geotechnical Centre, Unit 1 Borders Ind. Est River Lane, SALTNEY, Chester, CH4 8RJ Date: 16th February 2016 Test Report Ref:. STR: 447280

Page 1 of 2

Order No:

LABORATORY TEST REPORT

TEST REQUIREMENTS: To determine the Point Load Index of Rock in accordance with

ISRM Guidelines

SAMPLE DETAILS:

Certificate of sampling received: No Laboratory Ref. No.: S56524

Client Ref. No.: BH103 - 13.2-13.39

Date and Time of Sampling:

Date of Receipt at Lab.:

Date of Start of Test.:

Unknown
13/1/2016
13/1/2016

Sampling Location: BH103 - 13.2-13.39

Name of Source:

Method of Sampling:

Sampled By:

Material Description:

Unknown

Client

Rock Core

Target Specification: N/A

RESULTS:

See Attached

COMMENTS/ DEPARTURE FROM SPECIFIED PROCEDURE

The specimens were perpendicular to the axis of loading with respect to the existing planes of anisotropy.

Assistant Laboratory Manager



STR: 447280 - Page 2 of 2

Key : -			
D	Always distance between platen contact points	D*D	= 4A/pi for axial (a) and irregular block (b) tests
W	Smallest width perpendicular to loading direction	Р	Load failure in KN
	ie core diameter for axial tests.	Is	Uncorrected strength index
	W =(W1 + W2)/2 for irregular blocks.	ls (50)	Point load strength index
А	W*D minimum x-sectional area For axial or irregular block test 0.3W < D	F	Size correction factor
	< W	#	Test perpendicular to fabric
D*D	= D*D for diametral (d) tests	//	Test parallel to fabric

Sample no	Sample type	Test type	D mm	W mm	P KN	A =W*D	D*D	Is	F	ls (50)	Approx. Compressive Strength (MPa)
*	*	*	*	*	*						
Axial, Block or	r Lump Tests										
1	Core	а	60	85	0.3	5100	6494	0.05	1.24	0.06	1.4
2											
3											
4											
5											
6											
7											
8											
9											
10											
										Mean	1.4



Geotechnics Limited, The Geotechnical Centre, Unit 1 Borders Ind. Est River Lane, SALTNEY, Chester, CH4 8RJ Date: 16th February 2016 Test Report Ref:. STR: 447281

Page 1 of 2

Order No:

LABORATORY TEST REPORT

TEST REQUIREMENTS: To determine the Point Load Index of Rock in accordance with

ISRM Guidelines

SAMPLE DETAILS:

Certificate of sampling received: No Laboratory Ref. No.: S56524

Client Ref. No.: BH105 - 7.1-7.29

Date and Time of Sampling:

Date of Receipt at Lab.:

Date of Start of Test.:

Unknown
13/1/2016
13/1/2016

Sampling Location: BH105 - 7.1-7.29

Name of Source:

Method of Sampling:

Sampled By:

Material Description:

Unknown
Unknown
Client
Rock Core

Target Specification: N/A

RESULTS:

See Attached

COMMENTS/ DEPARTURE FROM SPECIFIED PROCEDURE

The specimens were perpendicular to the axis of loading with respect to the existing planes of anisotropy.

Assistant Laboratory Manager



STR: 447281 - Page 2 of 2

Key : -			
D	Always distance between platen contact points	D*D	= 4A/pi for axial (a) and irregular block (b) tests
W	Smallest width perpendicular to loading direction	Р	Load failure in KN
	ie core diameter for axial tests.	ls	Uncorrected strength index
	W =(W1 + W2)/2 for irregular blocks.	ls (50)	Point load strength index
Α	W*D minimum x-sectional area For axial or irregular block test 0.3W < D	F	Size correction factor
	< W	#	Test perpendicular to fabric
D*D	= D*D for diametral (d) tests	//	Test parallel to fabric

Sample no *	Sample type	Test type	D mm *	W mm *	P KN *	A =W*D	D*D	Is	F	Is (50)	Approx. Compressive Strength (MPa)
Axial, Block or	r Lump Tests										
1	Core	а	41	85	0.1	3485	4437	0.02	1.14	0.03	0.6
2 3											
4 5											
6 7											
8 9											
10											• •
										Mean	0.6

APPENDIX 12

Laboratory Test Results - Contamination



Registered Address: Unit 3 Deeside Point, Zone 3, Deeside Industrial Park, Deeside, CH5 2UA. UK

Unit 3 Deeside Point

Zone 3

Deeside Industrial Park

Deeside CH5 2UA

Geotechnics
Unit 1B
Borders Industrial Park
River Lane
Chester
Cheshire
CH4 8RJ

Tel: +44 (0) 1244 833780 Fax: +44 (0) 1244 833781







Attention :

Date: 21st December, 2015

Your reference : PN153428

Our reference : Test Report 15/17326 Batch 1

Location : Stockport Bus Station

Date samples received : 3rd December, 2015

Status: Final report

Issue:

Twenty six samples were received for analysis on 3rd December, 2015 of which nine were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.

All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Compiled By:

Client Name: Geotechnics Report : Solid

Reference: PN153428

Location: Stockport Bus Station Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

Contact:

JE JOD NO.:	15/1/326												
J E Sample No	4-6	19-21	25-27	31-33	40-42	49-51	52-54	55-57	64-66				
Sample ID	BH101	BH102	WS219	WS201	BH104	BH112	BH112	WS208	WS206				
Depth	0.50-0.70	2.00	1.00	0.50	1.00-1.20	0.50	1.00	0.50	0.50		Diagon	e attached n	otoo for all
COC No / misc												ations and a	
Containers	VJT	VJT	VJT	VJT	VJT	VJT	VJT	VJT	VJT				
Sample Date													
Sample Type		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil				
Batch Number	1	1	1	1	1	1	1	1	1		LOD/LOR	Units	Method No.
Date of Receipt	03/12/2015	03/12/2015	03/12/2015	03/12/2015	03/12/2015	03/12/2015	03/12/2015	03/12/2015	03/12/2015				
Arsenic #M	1.5	1.9	1.2	NDP	5.3	1.2	NDP	2.5	NDP		<0.5	mg/kg	TM30/PM15
Arsenic	25.0	4.2	9.6	8.7 NDP	0.4		13.4 NDP	- 0.4	9.2 NDP		<0.5 <0.1	mg/kg	TM30/PM62 TM30/PM15
Cadmium *** Cadmium	25.0	4.2	9.6	1.7	-	5.7	2.5	0.4	2.8		<0.1	mg/kg mg/kg	TM30/PM62
Chromium #M	11.5	31.8	10.7	NDP	62.0	15.3	NDP	16.9	NDP		<0.1	mg/kg	TM30/PM15
Chromium	-	-	-	11.6	-	-	15.5	-	11.2		<0.5	mg/kg	TM30/PM62
Copper #M	17	13	13	NDP	15	13	NDP	13	NDP		<1	mg/kg	TM30/PM15
Copper	-	-	-	45	-	-	41	-	61		<1	mg/kg	TM30/PM62
Lead #M	73	39	40	NDP	28	29	NDP	23	NDP		<5	mg/kg	TM30/PM15
Lead	-	-	-	106	-	-	89	-	128		<5	mg/kg	TM30/PM62
Mercury **M	<0.1	<0.1	<0.1	NDP	<0.1	<0.1	NDP	<0.1	NDP		<0.1	mg/kg	TM30/PM15
Mercury Nickel ***	4.8	10.9	- 5.1	0.2 NDP	15.9	5.7	0.2 NDP	6.6	0.1 NDP		<0.1 <0.7	mg/kg	TM30/PM62 TM30/PM15
Nickel	4.0	10.9	5.1	15.0	15.9	5.7	17.0	-	20.7		<0.7	mg/kg mg/kg	TM30/PM62
Selenium #M	<1	<1	<1	NDP	<1	<1	NDP	<1	NDP		<1	mg/kg	TM30/PM15
Selenium	-	-	-	<1	-	-	<1	-	<1		<1	mg/kg	TM30/PM62
Vanadium	4	17	3	NDP	16	5	NDP	11	NDP		<1	mg/kg	TM30/PM15
Vanadium	-	-	-	16	-	-	22	-	24		<1	mg/kg	TM30/PM62
Water Soluble Boron ***	0.2	0.3	0.1	NDP	0.4	0.1	NDP	0.2	NDP		<0.1	mg/kg	TM74/PM32
Water Soluble Boron	-	-	-	0.2	-	-	0.7	-	0.5		<0.1	mg/kg	TM74/PM61
Zinc #M	50	44	44	NDP	82	26	NDP	35	NDP		<5	mg/kg	TM30/PM15
Zinc	-	-	-	157	-	-	55	-	168		<5	mg/kg	TM30/PM62
PAH MS													
Naphthalene #M	<0.04	-	<0.04	13.80 _{AA}	11.56 _{AA}	-	-	0.87	-		<0.04	mg/kg	TM4/PM8
Acenaphthylene	<0.03	-	<0.03	8.02 _{AA}	0.57 _{AA}	-	-	0.50	-		<0.03	mg/kg	TM4/PM8
Acenaphthene #M	<0.05	-	<0.05	11.58 _{AA}	11.61 _{AA}	-	-	1.38	-		<0.05	mg/kg	TM4/PM8
Fluorene #M	<0.04	-	<0.04	10.47 _{AA}	9.05 _{AA}	-	-	1.38	-		<0.04	mg/kg	TM4/PM8
Phenanthrene *M	<0.03	-	<0.03	70.79 _{AA}	63.86 _{AA}	-	-	8.30	-		<0.03	mg/kg	TM4/PM8
Anthracene #	<0.04	-	<0.04	23.29 _{AA}	14.68 _{AA}	-	-	3.03	-		<0.04	mg/kg	TM4/PM8
Fluoranthene #M	<0.03	-	<0.03	86.90 _{AA}	56.83 _{AA}	-	-	13.08	-		<0.03	mg/kg	TM4/PM8
Pyrene # Benzo(a)anthracene #	<0.03 <0.06	-	<0.03 <0.06	76.18 _{AA}	53.50 _{AA} 22.09 _{AA}	-	-	12.04 5.66	-		<0.03 <0.06	mg/kg mg/kg	TM4/PM8 TM4/PM8
Chrysene **M	<0.02	-	<0.02	37.00 _{AA}	23.02 _{AA}	-	-	6.12	-		<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene **M	<0.07	-	<0.07	53.01 _{AA}	27.17 _{AA}	-	-	8.59	-		<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	<0.04	-	<0.04	37.68 _{AA}	19.40 _{AA}	-	-	5.45	-		<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene #M	<0.04	-	<0.04	21.16 _{AA}	9.29 _{AA}	-	-	3.35	-		<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	<0.04	-	<0.04	4.90 _{AA}	2.35 _{AA}	-	-	0.77	-		<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	<0.04	-	<0.04	19.26 _{AA}	9.17 _{AA}	-	-	3.12	-		<0.04	mg/kg	TM4/PM8
PAH 16 Total	<0.6	-	<0.6	509.4 _{AA}	334.2 _{AA}	-	-	73.6	-		<0.6	mg/kg	TM4/PM8
Benzo(b)fluoranthene Benzo(k)fluoranthene	<0.05 <0.02	-	<0.05 <0.02	38.17 _{AA}	19.56 _{AA}	-	-	6.18	-		<0.05 <0.02	mg/kg	TM4/PM8 TM4/PM8
PAH Surrogate % Recovery	112	-	114	14.84 _{AA}	7.61 _{AA}	-	-	2.41	-		<0.02	mg/kg %	TM4/PM8
				····	····	l				l		/0	/// 1410

Client Name: Geotechnics Report : Solid

Reference: PN153428
Location: Stockport Bus Station Solids: V=60g

Location: Contact:

JE Job No.: 15/17326

JE Job No.:	15/17326									 _		
J E Sample No.	4-6	19-21	25-27	31-33	40-42	49-51	52-54	55-57	64-66			
Sample ID	BH101	BH102	WS219	WS201	BH104	BH112	BH112	WS208	WS206			
Depth	0.50-0.70	2.00	1.00	0.50	1.00-1.20	0.50	1.00	0.50	0.50	Please se	e attached n	otos for all
COC No / misc											ations and a	
Containers	VJT											
Sample Date	30/11/2015	30/11/2015	01/12/2015	30/11/2015	02/12/2015	02/12/2015	02/12/2015	01/12/2015	02/12/2015			
Sample Type	Soil											
Batch Number	1	1	1	1	1	1	1	1	1			
										LOD/LOR	Units	Method No.
Date of Receipt			03/12/2015									T145/D140
Methyl Tertiary Butyl Ether #M	-	<6	-	-	-	<6	<6	-	<6	<6	ug/kg	TM15/PM10
Benzene **M Toluene **M	-	<5 <3	-	-	-	<5 <3	<5 <3	-	<5 <3	<5 <3	ug/kg ug/kg	TM15/PM10 TM15/PM10
Ethylbenzene **M	-	<3	-	-	-	<3	<3	-	<3	<3	ug/kg	TM15/PM10
p/m-Xylene **M	_	<4	-	_	_	<4	<4	_	<4	<4	ug/kg	TM15/PM10
o-Xylene **M	-	<4	-	-	-	<4	<4	-	<4	<4	ug/kg	TM15/PM10
Surrogate Recovery Toluene D8	-	112	-	-	-	115	105	-	97	<0	% %	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	-	127	-	-	-	136	95	-	97	<0	%	TM15/PM10
TPH CWG												
Aliphatics												
>C5-C6 #M	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>C6-C8 #M	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>C8-C10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	0.2	<0.1	<0.1	mg/kg	TM36/PM12
>C10-C12 #M	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	mg/kg	TM5/PM16
>C12-C16 #M	<4	<4	<4	<4	<4	<4	<4	6	<4	<4	mg/kg	TM5/PM16
>C16-C21 #M	<7	<7	<7	10	<7	<7	<7	19	<7	<7	mg/kg	TM5/PM16
>C21-C35 **M	<7	<7	<7	42	<7	<7	<7	105	42	<7	mg/kg	TM5/PM16
>C35-C44	<7	<7	<7	<7	<7	<7	<7	11	<7	<7	mg/kg	TM5/PM16
Total aliphatics C5-44	<26	<26	<26	52	<26	<26	<26	141	42	<26	mg/kg	TM5/TM36/PM16
Aromatics >C5-EC7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>EC7-EC8	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	mg/kg	TM36/PM12
>EC8-EC10 #M	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	<0.1	mg/kg	TM36/PM12
>EC10-EC12	<0.2	<0.2	<0.2	3.7	<0.2	<0.2	<0.2	<0.2	0.6	<0.2	mg/kg	TM5/PM16
>EC12-EC16	<4	<4	<4	46	9	<4	6	14	13	<4	mg/kg	TM5/PM16
>EC16-EC21	<7	<7	<7	351	50	<7	35	110	113	<7	mg/kg	TM5/PM16
>EC21-EC35	<7	<7	<7	824	107	31	74	281	340	<7	mg/kg	TM5/PM16
>EC35-EC44	<7	<7	<7	92	11	<7	9	32	34	<7	mg/kg	TM5/PM16
Total aromatics C5-44	<26	<26	<26	1317	177	31	124	437	501	<26	mg/kg	TM5/TM36/PM16
Total aliphatics and aromatics(C5-44)	<52	<52	<52	1369	177	<52	124	578	543	<52	mg/kg	TM5/TM36/PM16
MTBE#	<5	-	<5	<5	<5	-	-	<5	-	<5	ug/kg	TM31/PM12
Benzene #	<5	-	<5	<5	30	-	-	35	-	<5	ug/kg	TM31/PM12
Toluene #	<5	-	<5	<5	<5	-	-	42	-	<5	ug/kg	TM31/PM12
Ethylbenzene #	<5	-	<5	<5	<5	-	-	22	-	<5	ug/kg	TM31/PM12
m/p-Xylene #	<5	-	<5	<5	<5	-	-	93	-	<5	ug/kg	TM31/PM12
o-Xylene #	<5	-	<5	<5	<5	-	-	70	-	<5	ug/kg	TM31/PM12
DOD 00#									-50			T1447/2010
PCB 28 #	-	-	-	-	-	-	<5 <5	-	<50 _{AB}	<5 <5	ug/kg	TM17/PM8
PCB 52 #	-	-	-	-	-	-	<5 <5	-	<50 _{AB}	<5 <5	ug/kg	TM17/PM8
PCB 101 # PCB 118 #	-	-	-	-	-	-	<5 <5	-	<50 _{AB}	<5 <5	ug/kg	TM17/PM8 TM17/PM8
PCB 118** PCB 138*	-	-	-	-	-	-	<5 <5	-	<50 _{AB}	<5 <5	ug/kg ug/kg	TM17/PM8
. 00 100	-		-		=	<u> </u>	``		<50 _{AB}	, ·	agrity	TIVIT//T IVIO

Client Name: Geotechnics Report: Solid

Reference: PN153428

Location: Stockport Bus Station Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

Contact:

JE JOD NO.:	15/1/326									 _		
J E Sample No.	4-6	19-21	25-27	31-33	40-42	49-51	52-54	55-57	64-66			
Sample ID	BH101	BH102	WS219	WS201	BH104	BH112	BH112	WS208	WS206			
Depth	0.50-0.70	2.00	1.00	0.50	1.00-1.20	0.50	1.00	0.50	0.50	Please se	e attached n	otes for all
COC No / misc											ations and a	
Containers	VJT	VJT	VJT	VJT	VJT	VJT	VJT	VJT	VJT			
Sample Date												
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil			1
Batch Number	1	1	1	1	1	1	1	1	1	LOD/LOR	Units	Method
Date of Receipt	03/12/2015	03/12/2015	03/12/2015	03/12/2015	03/12/2015	03/12/2015	03/12/2015	03/12/2015				No.
PCB 153 #	-	-	-	-	-	-	<5	-	<50 _{AB}	<5	ug/kg	TM17/PM8
PCB 180 #	-	-	-	-	-	-	<5	-	<50 _{AB}	<5	ug/kg	TM17/PM8
Total 7 PCBs#	-	-	-	-	-	-	<35	-	<350 _{AB}	<35	ug/kg	TM17/PM8
2-Chlorophenol	<10	<10	<10	<10	<10	-	<10	<10	<10	<10	ug/kg	TM16/PM8
2 Gillorophenol	-10	-10	-10	-10	-10		-10	-10	-10	110	ug/kg	TWITON INO
Natural Moisture Content	4.3	10.4	2.1	NDP	9.3	2.6	NDP	4.0	NDP	<0.1	%	PM4/PM0
2-Methylphenol	<10	<10	<10	<10	146	-	<10	<10	<10	<10	ug/kg	TM16/PM8
2-Nitrophenol	<10	<10	<10	<10	<10	-	<10	<10	<10	<10	ug/kg	TM16/PM8
2,4-Dichlorophenol	<10	<10	<10	<10	<10	-	<10	<10	<10	<10	ug/kg	TM16/PM8
2,4-Dimethylphenol	<10	<10	<10	179	320	-	<10	<10	<10	<10	ug/kg	TM16/PM8
2,4,5-Trichlorophenol	<10	<10	<10	<10	<10	-	<10	<10	<10	<10	ug/kg	TM16/PM8
2,4,6-Trichlorophenol	<10	<10	<10	<10	<10	-	<10	<10	<10	<10	ug/kg	TM16/PM8
4-Chloro-3-methylphenol	<10	<10	<10	<10	<10	-	<10	<10	<10	<10	ug/kg	TM16/PM8
4-Methylphenol	<10	<10	<10	426 <10	357	-	<10 <10	<10	<10	<10	ug/kg	TM16/PM8
4-Nitrophenol Pentachlorophenol	<10 <10	<10 <10	<10 <10	<10	<10 <10	-	<10	<10 <10	<10 <10	<10 <10	ug/kg ug/kg	TM16/PM8 TM16/PM8
Phenol	<10	<10	<10	<10	198	-	<10	<10	<10	<10	ug/kg	TM16/PM8
Total Speciated Phenols MS	<10	<10	<10	605	1021	-	<10	<10	<10	<10	ug/kg	TM16/PM8
·												
Total Cyanide **M	<0.5	<0.5	<0.5	1.8	<0.5	-	-	<0.5	<0.5	<0.5	mg/kg	TM89/PM45
Total Organic Carbon #	<0.02	0.24	0.07	NDP	0.87	-	-	0.78	-	<0.02	%	TM21/PM24
рН #М	9.42	9.38	9.90	8.79	9.77	11.23	8.48	10.50	8.79	<0.01	pH units	TM73/PM11
Sample Type	Clayey Sand	Clayey Sand	Sand	Clayey Sand	Sandy Loam	Sand	Clay	Loam	Loam		None	PM13/PM0
Sample Colour	Red	Medium Brown	Red	Medium Brown	Medium Brown	Light Brown	Dark Brown	Dark Brown	Dark Brown		None	PM13/PM0
Other Items	stones	stones	stones	stones and brick fragments	stones and brick fragments	stones	stones and brick fragments	stones	stones and brick fragments		None	PM13/PM0

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report: CEN 10:1 1 Batch

	10/1/020				1		1		
J E Sample No.	19-21	52-54	64-66						
Sample ID	BH102	BH112	WS206						
Depth	2.00	1.00	0.50				Please se	e attached r	notes for all
COC No / misc								ations and a	
Containers	VJT	VJT	VJT						
Sample Date	30/11/2015	02/12/2015	02/12/2015						
Sample Type	Soil	Soil	Soil						
Batch Number	1	1	1						
							LOD/LOR	Units	Method No.
Date of Receipt							-0.5		TM30/PM14
Dissolved Arsenic #	<2.5	5.9 64	6.2				<2.5 <12	ug/l	TM30/PM14
Dissolved Boron #	<12	<0.5	<0.5					ug/l	TM30/PM14
Dissolved Cadmium # Dissolved Chromium #	<0.5 <1.5	<1.5	<1.5				<0.5 <1.5	ug/l	TM30/PM14
Dissolved Copper#	<7	<7	<7				<7	ug/l ug/l	TM30/PM14
Dissolved Copper Dissolved Lead #	<5	<5	<5				<5	ug/l	TM30/PM14
Dissolved Lead Dissolved Mercury #	<1	<1	<1				<1	ug/l	TM30/PM14
Dissolved Nickel #	<2	<2	<2				<2	ug/l	TM30/PM14
Dissolved Nickel Dissolved Selenium #	<3	<3	<3				<3	ug/l	TM30/PM14
Dissolved Vanadium#	10.2	4.6	3.7				<1.5	ug/l	TM30/PM14
Dissolved Zinc #	5	3	4				<3	ug/l	TM30/PM14
Biodolved Zille	-	_	-				-	-9	
Methyl Tertiary Butyl Ether	<1	<1	<1				<1	ug/l	TM15/PM69
Benzene	<1	<1	<1				<1	ug/l	TM15/PM69
Toluene	<2	<2	<2				<2	ug/l	TM15/PM69
Ethylbenzene	<2	<2	<2				<2	ug/l	TM15/PM69
p/m-Xylene	<3	<3	<3				<3	ug/l	TM15/PM69
o-Xylene	<2	<2	<2				<2	ug/l	TM15/PM69
Surrogate Recovery Toluene D8	108	108	109				<0	%	TM15/PM69
Surrogate Recovery 4-Bromofluorobenzene	88	90	88				<0	%	TM15/PM69
TPH CWG									
Aliphatics									
>C5-C6	<5	<5	<5				<5	ug/l	TM36/PM69
>C6-C8	<5	<5	<5				<5	ug/l	TM36/PM69
>C8-C10	<5	<5	<5				<5	ug/l	TM36/PM69
>C10-C12	<5	<5	<5				<5	ug/l	TM5/PM30
>C12-C16	<10	<10	<10				<10	ug/l	TM5/PM30
>C16-C21	<10	<10	<10				<10	ug/l	TM5/PM30
>C21-C35	<10	<10	<10				<10	ug/l	TM5/PM30
>C35-C44	<10	<10	<10				<10	ug/l	TM5/PM30
Total aliphatics C5-44	<10	<10	<10				<10	ug/l	TM5/TM36/PM30/PM69
Aromatics									
>C5-EC7	<5	<5	<5				<5	ug/l	TM36/PM69
>EC7-EC8	<5	<5	<5				<5	ug/l	TM36/PM69
>EC8-EC10	<5	<5	<5				<5	ug/l	TM36/PM69
>EC10-EC12	<5	<5	<5				<5	ug/l	TM5/PM30
>EC12-EC16	<10	<10	<10				<10	ug/l	TM5/PM30
>EC16-EC21	<10	<10	<10				<10	ug/l	TM5/PM30
>EC21-EC35	<10	<10	<10				<10	ug/l	TM5/PM30
>EC35-EC44	<10	<10	<10				<10	ug/l	TM5/PM30 TM5/TM36/PM30/PM89
Total alignatics and aromatics (C5.44)	<10	<10	<10				<10	ug/l	TM5/TM36/PM30/PM69 TM5/TM36/PM30/PM69
Total aliphatics and aromatics(C5-44)	<10	<10	<10		1		<10	ug/l	I MOVI MODIPMOUPMO

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report: CEN 10:1 1 Batch

02 005 110	10/1/020									
J E Sample No.	19-21	52-54	64-66							
Sample ID	BH102	BH112	WS206							
Depth	2.00	1.00	0.50					Please se	e attached n	otes for all
COC No / misc									ations and a	
Containers	VJT	VJT	VJT							
Sample Date										
Sample Type	Soil	Soil	Soil							
Batch Number	1	1	1					LOD/LOR	Units	Method No.
Date of Receipt	03/12/2015									
PCB 28	-	<0.1	<0.1					<0.1	ug/l	TM17/PM30
PCB 52	-	<0.1	<0.1					<0.1	ug/l	TM17/PM30
PCB 101 PCB 118	-	<0.1 <0.1	<0.1 <0.1					<0.1	ug/l	TM17/PM30 TM17/PM30
PCB 138	-	<0.1	<0.1					<0.1	ug/l ug/l	TM17/PM30
PCB 153	-	<0.1	<0.1					<0.1	ug/l	TM17/PM30
PCB 180	-	<0.1	<0.1					<0.1	ug/l	TM17/PM30
Total 7 PCBs	-	<0.7	<0.7					<0.7	ug/l	TM17/PM30
2-Chlorophenol	<0.5	<0.5	<0.5					<0.5	ug/l	TM16/PM30
2-Methylphenol	<0.5	<0.5	<0.5					<0.5	ug/l	TM16/PM30
2-Nitrophenol	<0.5	<0.5	<0.5					<0.5	ug/l	TM16/PM30
2,4-Dichlorophenol	<0.5	<0.5	<0.5					<0.5	ug/l	TM16/PM30
2,4-Dimethylphenol	<0.5	<0.5	<0.5					<0.5	ug/l	TM16/PM30
2,4,5-Trichlorophenol	<0.5	<0.5	<0.5					<0.5	ug/l	TM16/PM30
2,4,6-Trichlorophenol	<0.5	<0.5	<0.5					<0.5	ug/l	TM16/PM30
4-Chloro-3-methylphenol	<0.5	<0.5	<0.5					<0.5	ug/l	TM16/PM30
4-Methylphenol	<0.5	<0.5	<0.5					<0.5	ug/l	TM16/PM30
4-Nitrophenol	<0.5	<0.5	<0.5					<0.5	ug/l	TM16/PM30
Pentachlorophenol	<0.5	<0.5	<0.5					<0.5	ug/l	TM16/PM30
Phenol Total Speciated Phenols MS	<0.5 <6	<0.5 <6	<0.5 <6					<0.5 <6	ug/l ug/l	TM16/PM30 TM16/PM30
Total Speciated Filefiols MS	70		~0					~0	ugn	TWTO/T WOO
Total Cyanide #	<0.01	-	<0.01					<0.01	mg/l	TM89/PM0
Mass of raw test portion	0.0995	_	-						kg	NONE/PM17
Leachant Volume	0.89	-	-						ı	NONE/PM17
Dissolved Organic Carbon	3	-	-					<2	mg/l	TM60/PM0
рН	9.49	8.26	8.59					<0.01	pH units	TM73/PM0
		•			•	•				

Client Name: Geotechnics

Reference: PN153428
Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

SVOC Report : Solid

JE Job No.:	15/17326								
J E Sample No.	19-21	52-54	64-66						
Sample ID	BH102	BH112	WS206						
Depth	2.00	1.00	0.50					e attached nations and a	
COC No / misc							abbrevia	ations and at	cronyms
Containers	VJT	VJT	VJT						
Sample Date	30/11/2015								
Sample Type	Soil	Soil	Soil						
Batch Number	1	1	1				LOD/LOR	Units	Method
Date of Receipt	03/12/2015	03/12/2015	03/12/2015						No.
SVOC MS									
PhenoIs									
2-Chlorophenol #M	<10	<10	<10				<10	ug/kg	TM16/PM8
2-Methylphenol	<10	<10	<10				<10	ug/kg	TM16/PM8
2-Nitrophenol	<10	<10	<10				<10	ug/kg	TM16/PM8
2,4-Dichlorophenol #M	<10	<10	<10				<10	ug/kg	TM16/PM8
2,4-Dimethylphenol	<10	<10	<10				<10	ug/kg	TM16/PM8
2,4,5-Trichlorophenol	<10	<10	<10				<10	ug/kg	TM16/PM8
2,4,6-Trichlorophenol	<10	<10	<10				<10	ug/kg	TM16/PM8
4-Chloro-3-methylphenol	<10	<10	<10				<10	ug/kg	TM16/PM8
4-Methylphenol	<10	<10	<10				<10	ug/kg	TM16/PM8
4-Nitrophenol	<10	<10	<10				<10	ug/kg	TM16/PM8
Pentachlorophenol	<10	<10	<10				<10	ug/kg	TM16/PM8
Phenol #M	<10	<10	<10				<10	ug/kg	TM16/PM8
PAHs									
2-Chloronaphthalene #M	<10	<10	<10				<10	ug/kg	TM16/PM8
2-Methylnaphthalene **M	<10	176	2203				<10	ug/kg	TM16/PM8
Naphthalene	<10	284	3127				<10	ug/kg	TM16/PM8
Acenaphthylene	27	134	1644				<10	ug/kg	TM16/PM8
Acenaphthene	<10	495	2706				<10	ug/kg	TM16/PM8
Fluorene	<10	378	2715				<10	ug/kg	TM16/PM8
Phenanthrene #M	31	2855	16134				<10	ug/kg	TM16/PM8
Anthracene	13	982	4654				<10	ug/kg	TM16/PM8
Fluoranthene *M	40	4987	14340				<10	ug/kg	TM16/PM8
Pyrene #M	36	4930	20566				<10	ug/kg	TM16/PM8
Benzo(a)anthracene	49	2150	12171				<10	ug/kg	TM16/PM8
Chrysene	24	2446	10683				<10	ug/kg	TM16/PM8
Benzo(bk)fluoranthene	60	3725	17494				<10	ug/kg	TM16/PM8
Benzo(a)pyrene	21	1942	9613				<10	ug/kg	TM16/PM8
Indeno(123cd)pyrene	<10	950	4953				<10	ug/kg	TM16/PM8
Dibenzo(ah)anthracene	<10	496	2124				<10	ug/kg	TM16/PM8
Benzo(ghi)perylene	16	1090	5790				<10	ug/kg	TM16/PM8
Benzo(b)fluoranthene	43	2682	12596				<10	ug/kg	TM16/PM8
Benzo(k)fluoranthene	17	1043	4898				<10	ug/kg	TM16/PM8
Phthalates		.0.0	1000					ugriig	
Bis(2-ethylhexyl) phthalate	<100	<100	<100				<100	ug/kg	TM16/PM8
Butylbenzyl phthalate	<100	<100	<100				<100	ug/kg	TM16/PM8
Di-n-butyl phthalate	<100	<100	<100				<100	ug/kg ug/kg	TM16/PM8
Di-n-Octyl phthalate	<100	<100	<100				<100	ug/kg ug/kg	TM16/PM8
Diethyl phthalate	<100	<100	<100				<100	ug/kg ug/kg	TM16/PM8
Dimethyl phthalate #M	<100	<100	<100				<100	ug/kg ug/kg	TM16/PM8
Dimetriyi primarate	>100	>100	>100				~100	ug/kg	1 IVI 1 O/FIVIO
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Client Name: Geotechnics

Reference: PN153428
Location: Stockport Bus Station

Contact:

IF Job No : 15/17326

SVOC Report : Solid

JE Job No.:	15/17326										
J E Sample No.	19-21	52-54	64-66								
Sample ID	BH102	BH112	WS206								
Depth COC No / misc	2.00	1.00	0.50							e attached nations and a	
Containers	VJT	VJT	VJT								
Sample Date		02/12/2015									
Sample Type	Soil	Soil	Soil								
Batch Number	1	1	1						LOD/LOR	Units	Method
Date of Receipt	03/12/2015	03/12/2015	03/12/2015						LODILOIT	OTILO	No.
SVOC MS											
Other SVOCs											
1,2-Dichlorobenzene	<10	<10	<10						<10	ug/kg	TM16/PM8
1,2,4-Trichlorobenzene *** 1,3-Dichlorobenzene	<10 <10	<10 <10	<10 <10						<10 <10	ug/kg ug/kg	TM16/PM8 TM16/PM8
1,4-Dichlorobenzene	<10	<10	<10						<10	ug/kg ug/kg	TM16/PM8
2-Nitroaniline	<10	<10	<10						<10	ug/kg	TM16/PM8
2,4-Dinitrotoluene	<10	<10	<10						<10	ug/kg	TM16/PM8
2,6-Dinitrotoluene	<10	<10	<10						<10	ug/kg	TM16/PM8
3-Nitroaniline	<10	<10	<10						<10	ug/kg	TM16/PM8
4-Bromophenylphenylether ***	<10	<10	<10						<10	ug/kg	TM16/PM8
4-Chloroaniline	<10	<10	<10						<10	ug/kg	TM16/PM8
4-Chlorophenylphenylether	<10	<10	<10						<10	ug/kg	TM16/PM8
4-Nitroaniline	<10	<10	<10						<10	ug/kg	TM16/PM8
Azobenzene	<10	<10	<10						<10	ug/kg	TM16/PM8
Bis(2-chloroethoxy)methane Bis(2-chloroethyl)ether	<10 <10	<10 <10	<10 <10						<10 <10	ug/kg ug/kg	TM16/PM8 TM16/PM8
Carbazole	<10	221	1095						<10	ug/kg ug/kg	TM16/PM8
Dibenzofuran #M	<10	272	1770						<10	ug/kg ug/kg	TM16/PM8
Hexachlorobenzene	<10	<10	<10						<10	ug/kg	TM16/PM8
Hexachlorobutadiene #M	<10	<10	<10						<10	ug/kg	TM16/PM8
Hexachlorocyclopentadiene	<10	<10	<10						<10	ug/kg	TM16/PM8
Hexachloroethane	<10	<10	<10						<10	ug/kg	TM16/PM8
Isophorone #M	<10	<10	<10						<10	ug/kg	TM16/PM8
N-nitrosodi-n-propylamine **M	<10	<10	<10						<10	ug/kg	TM16/PM8
Nitrobenzene #M	<10	<10	<10						<10	ug/kg	TM16/PM8
Surrogate Recovery 2-Fluorobiphenyl	89	96	105						<0	%	TM16/PM8
Surrogate Recovery p-Terphenyl-d14	107	112	109						<0	%	TM16/PM8
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Geotechnics Client Name: SVOC Report : CEN 10:1 1 Batch

PN153428 Reference: Stockport Bus Station Location:

Contact:

JE Job No.:	15/17326								
J E Sample No.	19-21	52-54	64-66						
Sample ID	BH102	BH112	WS206						
Depth COC No / misc	2.00	1.00	0.50					e attached nations and a	
Containers	VJT	VJT	VJT						
Sample Date			02/12/2015 Soil						
Sample Type Batch Number	Soil 1	Soil 1	1						Method
Date of Receipt		03/12/2015	03/12/2015				LOD/LOR	Units	No.
SVOC MS									
Phenols									
2-Chlorophenol	<1	<1	<1				<1	ug/l	TM16/PM30
2-Methylphenol 2-Nitrophenol	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5				<0.5 <0.5	ug/l ug/l	TM16/PM30 TM16/PM30
2,4-Dichlorophenol	<0.5	<0.5	<0.5				<0.5	ug/l	TM16/PM30
2,4-Dimethylphenol	<1	<1	<1				<1	ug/l	TM16/PM30
2,4,5-Trichlorophenol	<0.5	<0.5	<0.5				<0.5	ug/l	TM16/PM30
2,4,6-Trichlorophenol	<1	<1	<1				<1	ug/l	TM16/PM30
4-Chloro-3-methylphenol 4-Methylphenol	<0.5 <1	<0.5 <1	<0.5 <1				<0.5 <1	ug/l	TM16/PM30 TM16/PM30
4-Nitrophenol	<10	<10	<10				<10	ug/l ug/l	TM16/PM30
Pentachlorophenol	<1	<1	<1				<1	ug/l	TM16/PM30
Phenol	<1	<1	<1				<1	ug/l	TM16/PM30
PAHs									
2-Chloronaphthalene	<1	<1	<1				<1	ug/l	TM16/PM30
2-Methylnaphthalene Naphthalene	<1 <1	<1 <1	<1 <1				<1 <1	ug/l ug/l	TM16/PM30 TM16/PM30
Acenaphthylene	<0.5	<0.5	<0.5				<0.5	ug/l	TM16/PM30
Acenaphthene	<1	<1	<1				<1	ug/l	TM16/PM30
Fluorene	<0.5	<0.5	<0.5				<0.5	ug/l	TM16/PM30
Phenanthrene	<0.5	<0.5	<0.5				<0.5	ug/l	TM16/PM30
Anthracene Fluoranthene	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5				<0.5 <0.5	ug/l	TM16/PM30 TM16/PM30
Pyrene	<0.5	<0.5	<0.5				<0.5	ug/l ug/l	TM16/PM30
Benzo(a)anthracene	<0.5	<0.5	<0.5				<0.5	ug/l	TM16/PM30
Chrysene	<0.5	<0.5	<0.5				<0.5	ug/l	TM16/PM30
Benzo(bk)fluoranthene	<1	<1	<1				<1	ug/l	TM16/PM30
Benzo(a)pyrene Indeno(123cd)pyrene	<1 <1	<1 <1	<1 <1				<1 <1	ug/l ug/l	TM16/PM30 TM16/PM30
Dibenzo(ah)anthracene	<0.5	<0.5	<0.5				<0.5	ug/l	TM16/PM30
Benzo(ghi)perylene	<0.5	<0.5	<0.5				<0.5	ug/l	TM16/PM30
Phthalates									
Bis(2-ethylhexyl) phthalate	<5	<5	<5				<5	ug/l	TM16/PM30
Butylbenzyl phthalate Di-n-butyl phthalate	<1 <1.5	<1 <1.5	<1 <1.5				<1 <1.5	ug/l ug/l	TM16/PM30 TM16/PM30
Di-n-Octyl phthalate	<1	<1	<1				<1	ug/l	TM16/PM30
Diethyl phthalate	<1	<1	<1				<1	ug/l	TM16/PM30
Dimethyl phthalate	<1	<1	<1				<1	ug/l	TM16/PM30

Geotechnics Client Name: SVOC Report : CEN 10:1 1 Batch

PN153428 Reference: Stockport Bus Station Location:

Contact:

JE Job No.:	15/17326								
J E Sample No.	19-21	52-54	64-66						
Sample ID	BH102	BH112	WS206						
Depth COC No / misc	2.00	1.00	0.50					e attached nations and a	
Containers	VJT	VJT	VJT						
Sample Date Sample Type	30/11/2015 Soil	02/12/2015 Soil	02/12/2015 Soil						
Batch Number	1	1	1						Method
Date of Receipt			03/12/2015				LOD/LOR	Units	No.
SVOC MS									
Other SVOCs									T1440/D1400
1,2-Dichlorobenzene 1,2,4-Trichlorobenzene	<1 <1	<1 <1	<1 <1				<1 <1	ug/l ug/l	TM16/PM30 TM16/PM30
1,3-Dichlorobenzene	<1	<1	<1				<1	ug/l	TM16/PM30
1,4-Dichlorobenzene	<1	<1	<1				<1	ug/l	TM16/PM30
2-Nitroaniline	<1	<1	<1				<1	ug/l	TM16/PM30
2,4-Dinitrotoluene	<0.5	<0.5	<0.5				<0.5	ug/l	TM16/PM30
2,6-Dinitrotoluene 3-Nitroaniline	<1 <1	<1 <1	<1 <1				<1 <1	ug/l ug/l	TM16/PM30 TM16/PM30
4-Bromophenylphenylether	<1	<1	<1				<1	ug/l	TM16/PM30
4-Chloroaniline	<1	<1	<1				<1	ug/l	TM16/PM30
4-Chlorophenylphenylether	<1	<1	<1				<1	ug/l	TM16/PM30
4-Nitroaniline	<0.5	<0.5	<0.5				<0.5	ug/l	TM16/PM30
Azobenzene Bis(2-chloroethoxy)methane	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5				<0.5 <0.5	ug/l ug/l	TM16/PM30 TM16/PM30
Bis(2-chloroethyl)ether	<1	<1	<1				<1	ug/l	TM16/PM30
Carbazole	<0.5	<0.5	<0.5				<0.5	ug/l	TM16/PM30
Dibenzofuran	<0.5	<0.5	<0.5				<0.5	ug/l	TM16/PM30
Hexachlorobenzene	<1	<1	<1				<1	ug/l	TM16/PM30 TM16/PM30
Hexachlorobutadiene Hexachlorocyclopentadiene	<1 <1	<1 <1	<1 <1				<1 <1	ug/l ug/l	TM16/PM30
Hexachloroethane	<1	<1	<1				<1	ug/l	TM16/PM30
Isophorone	<0.5	<0.5	<0.5				<0.5	ug/l	TM16/PM30
N-nitrosodi-n-propylamine	<0.5	<0.5	<0.5				<0.5	ug/l	TM16/PM30
Nitrobenzene	<1	<1	<1				<1	ug/l	TM16/PM30

Client Name: Geotechnics

Reference: PN153428
Location: Stockport Bus Station

Contact:

IE Job No.: 15/17326

VOC Report : Solid

JE Job No.:	15/17326											
J E Sample No.	19-21	52-54	64-66									
Sample ID	BH102	BH112	WS206									
Depth COC No / misc	2.00	1.00	0.50								e attached nations and a	
Containers	VJT	VJT	VJT									
Sample Date	30/11/2015	02/12/2015	02/12/2015									
Sample Type	Soil	Soil	Soil									
Batch Number	1	1	1							LOD/LOR	Units	Method No.
Date of Receipt	03/12/2015	03/12/2015	03/12/2015									NO.
VOC MS Dichlorodifluoromethane	<2	<2	<2							<2	ua/ka	TM15/PM10
Methyl Tertiary Butyl Ether #M	<6	<6	<6							<6	ug/kg ug/kg	TM15/PM10
Chloromethane #	<3	<3	<3							<3	ug/kg	TM15/PM10
Vinyl Chloride	<2	<2	<2							<2	ug/kg	TM15/PM10
Bromomethane	<1	<1	<1							<1	ug/kg	TM15/PM10
Chloroethane #M	<6	<6	<6							<6	ug/kg	TM15/PM10
Trichlorofluoromethane #M	<3	<3	<3							<3	ug/kg	TM15/PM10
1,1-Dichloroethene (1,1 DCE) #M	<6	<6	<6							<6	ug/kg	TM15/PM10
Dichloromethane (DCM) # trans-1-2-Dichloroethene #	<7 <3	<7 <3	<7 <3							<7 <3	ug/kg ug/kg	TM15/PM10 TM15/PM10
1,1-Dichloroethane **M	<6	<6	<6							<6	ug/kg	TM15/PM10
cis-1-2-Dichloroethene #M	<7	<7	<7							<7	ug/kg	TM15/PM10
2,2-Dichloropropane	<4	<4	<4							<4	ug/kg	TM15/PM10
Bromochloromethane #M	<4	<4	<4							<4	ug/kg	TM15/PM10
Chloroform #M	<5	<5	<5							<5	ug/kg	TM15/PM10
1,1,1-Trichloroethane #M	<5	<5	<5							<5	ug/kg	TM15/PM10
1,1-Dichloropropene #	<3	<3	<3							<3	ug/kg	TM15/PM10
Carbon tetrachloride **M 1,2-Dichloroethane **M	<4 <5	<4 <5	<4 <5							<4 <5	ug/kg ug/kg	TM15/PM10 TM15/PM10
Benzene #M	<5	<5	<5							<5 <5	ug/kg	TM15/PM10
Trichloroethene (TCE) #M	<5	<5	<5							<5	ug/kg	TM15/PM10
1,2-Dichloropropane #M	<4	<4	<4							<4	ug/kg	TM15/PM10
Dibromomethane #M	<4	<4	<4							<4	ug/kg	TM15/PM10
Bromodichloromethane #M	<4	<4	<4							<4	ug/kg	TM15/PM10
cis-1-3-Dichloropropene Toluene #M	<4 <3	<4 <3	<4 <3							<4 <3	ug/kg ug/kg	TM15/PM10 TM15/PM10
trans-1-3-Dichloropropene	<3	<3	<3							<3	ug/kg ug/kg	TM15/PM10
1,1,2-Trichloroethane #M	<4	<4	<4							<4	ug/kg	TM15/PM10
Tetrachloroethene (PCE)#	8	<3	<3							<3	ug/kg	TM15/PM10
1,3-Dichloropropane **M	<4	<4	<4							<4	ug/kg	TM15/PM10
Dibromochloromethane #M	<5	<5	<5							<5	ug/kg	TM15/PM10
1,2-Dibromoethane # Chlorobenzene #M	<3 <4	<3 <4	<3 <4							<3 <4	ug/kg ug/kg	TM15/PM10 TM15/PM10
1,1,1,2-Tetrachloroethane **M	<5	<5	<5							<5	ug/kg ug/kg	TM15/PM10
Ethylbenzene #M	<3	<3	<3							<3	ug/kg	TM15/PM10
p/m-Xylene *M	<4	<4	<4							<4	ug/kg	TM15/PM10
o-Xylene #M	<4	<4	<4							<4	ug/kg	TM15/PM10
Styrene	<3	<3	<3							<3	ug/kg	TM15/PM10
Bromoform Isopropylbenzene #	<4 <3	<4 <3	<4 <3							<4 <3	ug/kg ug/kg	TM15/PM10 TM15/PM10
1,1,2,2-Tetrachloroethane **M	<3	<3	<3							<3	ug/kg ug/kg	TM15/PM10
Bromobenzene	<2	<2	<2							<2	ug/kg	TM15/PM10
1,2,3-Trichloropropane **M	<4	<4	<4							<4	ug/kg	TM15/PM10
Propylbenzene#	<4	<4	<4							<4	ug/kg	TM15/PM10
2-Chlorotoluene	<3	<3	<3							<3	ug/kg	TM15/PM10
1,3,5-Trimethylbenzene * 4-Chlorotoluene	<3 <3	<3 <3	<3 <3							<3 <3	ug/kg ug/kg	TM15/PM10 TM15/PM10
tert-Butylbenzene #	<5	<5	<5							<5 <5	ug/kg	TM15/PM10
1,2,4-Trimethylbenzene #	<6	<6	<6							<6	ug/kg	TM15/PM10
sec-Butylbenzene#	<4	<4	<4							<4	ug/kg	TM15/PM10
4-Isopropyltoluene #	<4	<4	<4							<4	ug/kg	TM15/PM10
1,3-Dichlorobenzene #M	<4	<4	<4							<4	ug/kg	TM15/PM10
1,4-Dichlorobenzene #	<4 <4	<4 <4	<4 <4							<4 <4	ug/kg	TM15/PM10 TM15/PM10
n-Butylbenzene # 1,2-Dichlorobenzene #M	<4 <4	<4	<4							<4 <4	ug/kg ug/kg	TM15/PM10
1,2-Dibromo-3-chloropropane #	<4	<4	<4							<4	ug/kg	TM15/PM10
1,2,4-Trichlorobenzene #	<7	<7	<7							<7	ug/kg	TM15/PM10
Hexachlorobutadiene	<4	<4	<4							<4	ug/kg	TM15/PM10
Naphthalene	<27	<27	262							<27	ug/kg	TM15/PM10
1,2,3-Trichlorobenzene #	<7	<7	<7							<7	ug/kg	TM15/PM10
Surrogate Recovery Toluene D8 Surrogate Recovery 4-Bromofluorobenzene	112 127	105 95	97 97							<0 <0	%	TM15/PM10 TM15/PM10
22gato (100070) - Diomondoroboli2010	121	1 33	JI	I.	l .	l .	I	1	I.	٠٠	/0	.10110/1 10110

Client Name: Geotechnics VOC Report : CEN 10:1 1 Batch

Reference: PN153428
Location: Stockport Bus Station

Contact:

JE Job No.:	15/17326								
J E Sample No.	19-21	52-54	64-66						
Sample ID	BH102	BH112	WS206						
Depth COC No / misc	2.00	1.00	0.50					e attached nations and a	
Containers	VJT	VJT	VJT						
Sample Date		02/12/2015							
Sample Type Batch Number	Soil 1	Soil 1	Soil 1						Method
Date of Receipt	03/12/2015	03/12/2015	03/12/2015				LOD/LOR	Units	No.
VOC MS									
Dichlorodifluoromethane	<2	<2	<2				<2	ug/l	TM15/PM69
Methyl Tertiary Butyl Ether	<1	<1	<1				<1	ug/l	TM15/PM69
Chloromethane Vinyl Chloride	<3 <0.1	<3 <0.1	<3 <0.1				<3 <0.1	ug/l ug/l	TM15/PM69 TM15/PM69
Bromomethane	<1	<1	<1				<1	ug/l	TM15/PM69
Chloroethane	<3	<3	<3				<3	ug/l	TM15/PM69
Trichlorofluoromethane	<3	<3	<3				<3	ug/l	TM15/PM69
1,1-Dichloroethene (1,1 DCE)	<3	<3	<3				<3	ug/l	TM15/PM69
Dichloromethane (DCM) trans-1-2-Dichloroethene	<3 <3	<3 <3	<3 <3				<3 <3	ug/l ug/l	TM15/PM69 TM15/PM69
1,1-Dichloroethane	<3	<3	<3				<3	ug/l	TM15/PM69
cis-1-2-Dichloroethene	<3	<3	<3				<3	ug/l	TM15/PM69
2,2-Dichloropropane	<1	<1	<1				<1	ug/l	TM15/PM69
Bromochloromethane	<2	<2	<2				<2	ug/l	TM15/PM69
Chloroform 1,1,1-Trichloroethane	<2 <2	<2 <2	<2 <2				<2 <2	ug/l ug/l	TM15/PM69 TM15/PM69
1,1-Dichloropropene	<3	<3	<3				<3	ug/l	TM15/PM69
Carbon tetrachloride	<2	<2	<2				<2	ug/l	TM15/PM69
1,2-Dichloroethane	<2	<2	<2				<2	ug/l	TM15/PM69
Benzene	<1	<1	<1				<1	ug/l	TM15/PM69
Trichloroethene (TCE) 1,2-Dichloropropane	<3 <2	<3 <2	<3 <2				<3 <2	ug/l ug/l	TM15/PM69 TM15/PM69
Dibromomethane	<3	<3	<3				<3	ug/l	TM15/PM69
Bromodichloromethane	<2	<2	<2				<2	ug/l	TM15/PM69
cis-1-3-Dichloropropene	<2	<2	<2				<2	ug/l	TM15/PM69
Toluene	<2	<2	<2 <2				<2	ug/l	TM15/PM69
trans-1-3-Dichloropropene 1,1,2-Trichloroethane	<2 <2	<2 <2	<2				<2 <2	ug/l ug/l	TM15/PM69 TM15/PM69
Tetrachloroethene (PCE)	<3	<3	<3				<3	ug/l	TM15/PM69
1,3-Dichloropropane	<2	<2	<2				<2	ug/l	TM15/PM69
Dibromochloromethane	<2	<2	<2				<2	ug/l	TM15/PM69
1,2-Dibromoethane Chlorobenzene	<2 <2	<2 <2	<2 <2				<2 <2	ug/l ug/l	TM15/PM69 TM15/PM69
1,1,1,2-Tetrachloroethane	<2	<2	<2				<2	ug/l	TM15/PM69
Ethylbenzene	<2	<2	<2				<2	ug/l	TM15/PM69
p/m-Xylene	<3	<3	<3				<3	ug/l	TM15/PM69
o-Xylene	<2	<2	<2				<2	ug/l	TM15/PM69
Styrene Bromoform	<2 <2	<2 <2	<2 <2				<2 <2	ug/l ug/l	TM15/PM69 TM15/PM69
Isopropylbenzene	<3	<3	<3				<3	ug/l	TM15/PM69
1,1,2,2-Tetrachloroethane	<4	<4	<4				<4	ug/l	TM15/PM69
Bromobenzene	<2	<2	<2				<2	ug/l	TM15/PM69
1,2,3-Trichloropropane	<3	<3	<3				<3	ug/l	TM15/PM69
Propylbenzene 2-Chlorotoluene	<3 <3	<3 <3	<3 <3				<3 <3	ug/l ug/l	TM15/PM69 TM15/PM69
1,3,5-Trimethylbenzene	<3	<3	<3				<3	ug/l	TM15/PM69
4-Chlorotoluene	<3	<3	<3				<3	ug/l	TM15/PM69
tert-Butylbenzene	<3	<3	<3				<3	ug/l	TM15/PM69
1,2,4-Trimethylbenzene	<3	<3	<3				<3	ug/l	TM15/PM69
sec-Butylbenzene 4-Isopropyltoluene	<3 <3	<3 <3	<3 <3				<3 <3	ug/l ug/l	TM15/PM69 TM15/PM69
1,3-Dichlorobenzene	<3	<3	<3				<3	ug/l	TM15/PM69
1,4-Dichlorobenzene	<3	<3	<3				<3	ug/l	TM15/PM69
n-Butylbenzene	<3	<3	<3				<3	ug/l	TM15/PM69
1,2-Dichlorobenzene	<3	<3	<3				<3	ug/l	TM15/PM69
1,2-Dibromo-3-chloropropane 1,2,4-Trichlorobenzene	<2 <3	<2 <3	<2 <3				<2 <3	ug/l	TM15/PM69 TM15/PM69
1,2,4-Trichiorobenzene Hexachlorobutadiene	<3 <3	<3 <3	<3 <3				<3 <3	ug/l ug/l	TM15/PM69
Naphthalene	<2	<2	<2				<2	ug/l	TM15/PM69
1,2,3-Trichlorobenzene	<3	<3	<3				<3	ug/l	TM15/PM69
Surrogate Recovery Toluene D8	108	108	109				<0	%	TM15/PM69
Surrogate Recovery 4-Bromofluorobenzene	88	90	88				<0	%	TM15/PM69

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

Note:

Analysis was carried out in accordance with our documented in-house methods PM042 and TM065 and HSG 248 by Stereo and Polarised Light Microscopy using Dispersion Staining Techniques and is covered by our UKAS accreditation. Samples are retained for not less than 6 months from the date of analysis unless specifically requested.

Opinions lie outside the scope of our UKAS accreditation.

Where the sample is not taken by a Jones Environmental Laboratory consultant, Jones Environmental Laboratory cannot be responsible for inaccurate or unrepresentative sampling.

Any questionable sample will automatically be assumed to have breached the Waste Limit and further testing may be required.

Signed on behalf of Jones Environmental Laboratory:

Asbestos Team Leader

J E Job No.	Batch	Sample ID	Depth	J E Sample No.	Date Of Analysis	Analysis	Result
15/17326	1	BH101	0.50-0.70	5	11/12/2015	Mass of Dry Sample	51.4 (g)
					15/12/2015	General Description (Bulk Analysis)	Soil-Silt/Brick/Stone
					15/12/2015	Asbestos Containing Material	None
					15/12/2015	Asbestos Containing Material (2)	None
					15/12/2015	Asbestos Screen	NAD
					15/12/2015	Asbestos Screen (2)	NAD
					15/12/2015	Asbestos Level	NAD
					15/12/2015	Waste Limit	<0.1%
15/17326	1	BH102	2.00	20	11/12/2015	Mass of Dry Sample	53.2 (g)
					15/12/2015	General Description (Bulk Analysis)	Soil-Silt/Clay/Brick/Stone
					15/12/2015	Asbestos Containing Material	None
					15/12/2015	Asbestos Containing Material (2)	None
					15/12/2015	Asbestos Screen	NAD
					15/12/2015	Asbestos Screen (2)	NAD
					15/12/2015	Asbestos Level	NAD
					15/12/2015	Waste Limit	<0.1%
15/17326	1	WS201	0.50	32	11/12/2015	Mass of Dry Sample	47.5 (g)
					15/12/2015	General Description (Bulk Analysis)	Soil-Silt/Clay/Brick/Stone
					15/12/2015	Asbestos Containing Material	Fibre Bundles
					15/12/2015	Asbestos Screen	Chrysotile
					15/12/2015	Asbestos Level	Quantifiable
					15/12/2015	Waste Limit	<0.1%
15/17326	1	BH112	1.00	53	11/12/2015	Mass of Dry Sample	48.9 (g)
					15/12/2015	General Description (Bulk Analysis)	Soil-Silt/Clay/Brick/Stone
					15/12/2015	Asbestos Containing Material	Fibre Bundles
					15/12/2015	Asbestos Screen	Chrysotile
					15/12/2015	Asbestos Level	Quantifiable
					15/12/2015	Waste Limit	<0.1%
15/17326	1	WS208	0.50	56	11/12/2015	Mass of Dry Sample	57.3 (g)
					15/12/2015	General Description (Bulk Analysis)	Soil-Silt/Sand/Brick/Stone
					15/12/2015	Asbestos Containing Material	None
					15/12/2015	Asbestos Containing Material (2)	None
					15/12/2015	Asbestos Screen	NAD
					15/12/2015	Asbestos Screen (2)	NAD
					15/12/2015	Asbestos Level	NAD

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

JE				JΕ			
Job	Batch	Sample ID	Depth	Sample	Date Of Analysis	Analysis	Result
No.				No.	Arialysis	•	
15/17326	1	WS208	0.50	56	15/12/2015	Waste Limit	<0.1%
15/17326	1	WS206	0.50	65	11/12/2015	Mass of Dry Sample	55.1 (g)
10/11/020	•		0.00			General Description (Bulk Analysis)	Soil-Silt/Clay/Brick/Stone
							Fibre Bundles
					15/12/2015		
						Asbestos Screen	Chrysotile
					15/12/2015	Asbestos Level	Quantifiable
					15/12/2015	Waste Limit	<0.1%
						l	

NDP Reason Report

Client Name: Geotechnics Matrix : Solid

Reference: PN153428

Location: Stockport Bus Station

Contact:

J E Job No.	Batch	Sample ID	Depth	J E Sample No.	NDP Reason
15/17326	1	WS201	0.50	31-33	Asbestos detected in sample
15/17326	1	BH112	1.00	52-54	Asbestos detected in sample
15/17326	1	WS206	0.50	64-66	Asbestos detected in sample

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

JE Job No.: 15/17326

SOILS

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCI (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 (UKAS) accreditation applies to surface water and groundwater and one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

DEVIATING SAMPLES

Samples must be received in a condition appropriate to the requested analyses. All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. If this is not the case you will be informed and any test results that may be compromised highlighted on your deviating samples report.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

DILUTIONS

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

NOTE

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a UKAS requirement for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.

Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

ABBREVIATIONS and ACRONYMS USED

ISO17025 (UKAS) accredited - UK.
Indicates analyte found in associated method blank.
Dilution required.
MCERTS accredited.
Not applicable
No Asbestos Detected.
None Detected (usually refers to VOC and/SVOC TICs).
No Determination Possible
Calibrated against a single substance
Surrogate recovery outside performance criteria. This may be due to a matrix effect.
Results expressed on as received basis.
AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
Result outside calibration range, results should be considered as indicative only and are not accredited.
Analysis subcontracted to a Jones Environmental approved laboratory.
Samples are dried at 35°C ±5°C
Suspected carry over
Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS
Matrix Effect
No Fibres Detected
AQC Sample
Blank Sample
Client Sample
Trip Blank Sample
Outside Calibration Range
x5 Dilution
x10 Dilution

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465 and BS1377.	PM0	No preparation is required.				
PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465 and BS1377.	PM0	No preparation is required.			AR	Yes
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes	Yes	AR	Yes
TM5	Modified USEPA 8015B method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) with carbon banding within the range C8-C40 GC-FID.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	Yes
TM5	Modified USEPA 8015B method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) with carbon banding within the range C8-C40 GC-FID.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.	Yes	Yes	AR	Yes
TM5	Modified USEPA 8015B method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) with carbon banding within the range C8-C40 GC-FID.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.			AR	Yes
TM5/TM36	TM005: Modified USEPA 8015B. Determination of solvent Extractable Petroleum Hydrocarbons (EPH) including column fractionation in the carbon range of C10-35 into aliphatic and aromatic fractions by GC-FID. TM036: Modified USEPA 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C5-10 by headspace GC-FID.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	Yes
TM5/TM36	TM005: Modified USEPA 8015B. Determination of solvent Extractable Petroleum Hydrocarbons (EPH) including column fractionation in the carbon range of C10-35 into aliphatic and aromatic fractions by GC-FID. TM036: Modified USEPA 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C5-10 by headspace GC-FID.	PM30/PM69	PM030: Eluate samples are extracted with solvent using a magnetic stirrer to create a vortex.PM069: One part soil is mixed with 10 parts water in a vial leaving no headspace. The mixture is shaken and then left to leach for 24 hours before VOC analysis.			AR	Yes

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
PM13	A visual examination of the solid sample is carried out to ascertain sample make up, colour and any other inclusions. This is not a geotechnical description.	PM0	No preparation is required.			AR	
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes		AR	Yes
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes	Yes	AR	Yes
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM69	Modified BS EN 12457 method. One part soil is mixed with 10 parts water in a vial leaving no headspace. The mixture is shaken and then left to leach for 24 hours before VOC analysis.			AR	Yes
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM69	Modified BS EN 12457 method. One part soil is mixed with 10 parts water in a vial leaving no headspace. The mixture is shaken and then left to leach for 24 hours before VOC analysis.			AR	
TM16	Modified USEPA 8270. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.			AR	Yes
TM16	Modified USEPA 8270. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes
TM16	Modified USEPA 8270. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes	Yes	AR	Yes
TM17	Modified US EPA method 8270. Determination of specific Polychlorinated Biphenyl congeners by GC-MS.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.			AR	Yes

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM17	Modified US EPA method 8270. Determination of specific Polychlorinated Biphenyl congeners by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM21	Modified USEPA 415.1. Determination of Total Organic Carbon or Total Carbon by combustion in an Eltra TOC furnace/analyser in the presence of oxygen. The CO2 generated is quantified using infra-red detection.	PM24	Dried and ground solid samples are washed with hydrochloric acid, then rinsed with deionised water to remove the mineral carbon before TOC analysis.	Yes		AD	Yes
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7	PM14	Analysis of waters and leachates for metals by ICP OES. Samples are filtered for dissolved metals and acidified if required.	Yes		AR	Yes
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.			AD	Yes
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.	Yes	Yes	AD	Yes
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7	PM62	Acid digestion of as received solid samples using Aqua Regia refluxed at 112.5 °C.			AR	Yes
TM31	Modified USEPA 8015B. Determination of Methyltertbutylether, Benzene, Toluene, Ethylbenzene and Xylene by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM31	Modified USEPA 8015B. Determination of Methyltertbutylether, Benzene, Toluene, Ethylbenzene and Xylene by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes		AR	Yes
TM36	Modified US EPA method 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM36	Modified US EPA method 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes	Yes	AR	Yes

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM36	Modified US EPA method 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID.	PM69	Modified BS EN 12457 method. One part soil is mixed with 10 parts water in a vial leaving no headspace. The mixture is shaken and then left to leach for 24 hours before VOC analysis.			AR	Yes
TM60	Modified USEPA 9060. Determination of TOC by calculation from Total Carbon and Inorganic Carbon using a TOC analyser, the carbon in the sample is converted to CO2 and then passed through a non-dispersive infrared gas analyser (NDIR).	PM0	No preparation is required.			AR	Yes
TM65	Asbestos Bulk Identification method based on HSG 248.	PM42	Solid samples undergo a thorough visual inspection for asbestos fibres prior to asbestos identification using TM065.			AR	
TM65	Asbestos Bulk Identification method based on HSG 248.	PM42	Solid samples undergo a thorough visual inspection for asbestos fibres prior to asbestos identification using TM065.	Yes		AR	
TM73	Modified US EPA methods 150.1 and 9045D. Determination of pH by Metrohm automated probe analyser.	PM0	No preparation is required.			AR	Yes
TM73	Modified US EPA methods 150.1 and 9045D. Determination of pH by Metrohm automated probe analyser.	PM11	Extraction of as received solid samples using one part solid to 2.5 parts deionised water.	Yes	Yes	AR	No
TM74	Analysis of water soluble boron (20:1 extract) by ICP-OES.	PM32	Hot water soluble boron is extracted from dried and ground samples using a 20:1 ratio.	Yes	Yes	AD	Yes
TM74	Analysis of water soluble boron (20:1 extract) by ICP-OES.	PM61	As received solid samples are extracted with hot water in a 20:1 ratio of water to soil ready for analysis by ICP.			AR	Yes
TM89	Modified USEPA method OIA-1667. Determination of cyanide by Flow Injection Analyser.	PM0	No preparation is required.	Yes		AR	Yes
TM89	Modified USEPA method OIA-1667. Determination of cyanide by Flow Injection Analyser.	PM45	As received solid samples are extracted with 1M NaOH by orbital shaker for Cyanide and Thiocyanate analysis.	Yes	Yes	AR	Yes

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
NONE	No Method Code	PM17	Modified method EN12457-2 As received solid samples are leached with water in a 10:1 water to soil ratio for 24 hours, the moisture content of the sample is included in the ratio.				
NONE	No Method Code	PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465 and BS1377.			AR	



Registered Address: Unit 3 Deeside Point, Zone 3, Deeside Industrial Park, Deeside, CH5 2UA. UK

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Zone 3

Deeside Industrial Park

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 Unit 1B
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 Borders Industrial Park
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 River Lane
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Attention :

Cheshire CH4 8RJ

Date: 21st December, 2015

Your reference : PN153428

Our reference : Test Report 15/17326 Batch 2

Location : Stockport Bus Station

Date samples received: 4th December, 2015

Status: Final report

Issue:

Sixteen samples were received for analysis on 4th December, 2015 of which three were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.

All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Compiled By:

Client Name: Geotechnics
Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report : Solid

-	10/1/020				1	1					
J E Sample No.	106-108	115-117	121-123								
Sample ID	WS204	WS220	WS220								
Depth	0.20	0.20	1.00						Please se	e attached r	intes for all
COC No / misc										ations and a	
Containers	VJT	VJT	VJT								
Sample Date											
Sample Type											
	Soil	Soil	Soil								
Batch Number	2	2	2						LOD/LOR	Units	Method No.
Date of Receipt											
Arsenic **M	10.0	6.3	39.2						<0.5	mg/kg	TM30/PM15
Cadmium #M	0.5	0.2	0.1						<0.1	mg/kg	TM30/PM15
Chromium #M	36.2	41.8	53.7						<0.5	mg/kg	TM30/PM15
Copper ^{#M} Lead ^{#M}	125 188	15 68	57 148						<1 <5	mg/kg	TM30/PM15 TM30/PM15
Mercury *M	<0.1	<0.1	<0.1						<0.1	mg/kg mg/kg	TM30/PM15
Nickel **M	21.9	4.7	20.6						<0.7	mg/kg	TM30/PM15
Selenium #M	1	<1	1						<1	mg/kg	TM30/PM15
Vanadium	23	6	27						<1	mg/kg	TM30/PM15
Water Soluble Boron #M	0.2	<0.1	0.8						<0.1	mg/kg	TM74/PM32
Zinc ^{#M}	147	34	85						<5	mg/kg	TM30/PM15
PAH MS											
Naphthalene #M	0.61 _{AA}	<0.04	0.09						<0.04	mg/kg	TM4/PM8
Acenaphthylene	0.53 _{AA}	<0.03	0.10						<0.03	mg/kg	TM4/PM8
Acenaphthene #M	<0.50 _{AA}	<0.05	<0.05						<0.05	mg/kg	TM4/PM8
Fluorene #M	<0.40 _{AA}	<0.04	<0.04						<0.04	mg/kg	TM4/PM8
Phenanthrene *M	2.59 _{AA}	0.06	0.17						<0.03	mg/kg	TM4/PM8
Anthracene #	0.89 _{AA}	<0.04	0.10						<0.04	mg/kg	TM4/PM8
Fluoranthene #M	6.98 _{AA}	0.14	0.37						<0.03	mg/kg	TM4/PM8
Pyrene #	6.34 _{AA}	0.14	0.37						<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene#	3.67 _{AA}	0.11	0.32						<0.06	mg/kg	TM4/PM8
Chrysene #M	4.02 _{AA}	0.10	0.37						<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #M	5.76 _{AA}	0.15	0.69						<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	3.61 _{AA}	0.10	0.41						<0.04	mg/kg	TM4/PM8 TM4/PM8
Indeno(123cd)pyrene ** Dibenzo(ah)anthracene *	2.73 _{AA}	<0.04	0.47						<0.04	mg/kg mg/kg	TM4/PM8
Benzo(ghi)perylene #	2.13 _{AA}	0.08	0.41						<0.04	mg/kg	TM4/PM8
PAH 16 Total	40.6 _{AA}	1.0	4.0						<0.6	mg/kg	TM4/PM8
Benzo(b)fluoranthene	4.15 _{AA}	0.11	0.50						<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	1.61 _{AA}	0.04	0.19						<0.02	mg/kg	TM4/PM8
PAH Surrogate % Recovery	122 _{AA}	111	112						<0	%	TM4/PM8
Methyl Tertiary Butyl Ether ***	<6	<6	<6						<6	ug/kg	TM15/PM10
Benzene #M	<5	<5	<5						<5	ug/kg	TM15/PM10
Toluene #M	<3	<3	<3						<3	ug/kg	TM15/PM10
Ethylbenzene *M	<3	<3	<3						<3	ug/kg	TM15/PM10
p/m-Xylene **M	<4	<4	<4						<4	ug/kg	TM15/PM10
o-Xylene #M	<4	<4	<4						<4	ug/kg	TM15/PM10
Surrogate Recovery Toluene D8	100	107	114						<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	99	121	111						<0	%	TM15/PM10
		<u> </u>	<u> </u>	<u> </u>			<u> </u>		<u> </u>	<u> </u>	

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report : Solid

0E 00B NO.:	10/1/020							_		
J E Sample No.	106-108	115-117	121-123							
Sample ID	WS204	WS220	WS220							
Depth	0.20	0.20	1.00					Please se	e attached r	otos for all
COC No / misc									e attached rations and a	
Containers	VJT	VJT	VJT							
Sample Date	03/12/2015	03/12/2015	03/12/2015							
Sample Type	Soil	Soil	Soil							
Batch Number	2	2	2					LOD/LOR	Units	Method
Date of Receipt	04/12/2015	04/12/2015	04/12/2015					EODIEOR	Onno	No.
TPH CWG										
Aliphatics										
>C5-C6 #M	<0.1	<0.1	<0.1					<0.1	mg/kg	TM36/PM12
>C6-C8 #M	<0.1	<0.1	<0.1					<0.1	mg/kg	TM36/PM12
>C8-C10	<0.1	<0.1	<0.1					<0.1	mg/kg	TM36/PM12
>C10-C12 **M	<0.2	<0.2	<0.2					<0.2	mg/kg	TM5/PM16
>C12-C16 #M	<4	<4	<4					<4	mg/kg	TM5/PM16
>C16-C21 **M	10	<7	<7					<7	mg/kg	TM5/PM16 TM5/PM16
>C21-C35 #M >C35-C44	97 <7	<7 <7	<7 <7					<7 <7	mg/kg	TM5/PM16
Total aliphatics C5-44	107	<26	<26					<26	mg/kg mg/kg	TM5/TM36/PM16
Aromatics	107	-20	120					120	mg/kg	THO THICK HITC
>C5-EC7	<0.1	<0.1	<0.1					<0.1	mg/kg	TM36/PM12
>EC7-EC8	<0.1	<0.1	<0.1					<0.1	mg/kg	TM36/PM12
>EC8-EC10 #M	<0.1	<0.1	<0.1					<0.1	mg/kg	TM36/PM12
>EC10-EC12	<0.2	<0.2	<0.2					<0.2	mg/kg	TM5/PM16
>EC12-EC16	<4	<4	<4					<4	mg/kg	TM5/PM16
>EC16-EC21	68	<7	<7					<7	mg/kg	TM5/PM16
>EC21-EC35	349	<7	<7					<7	mg/kg	TM5/PM16
>EC35-EC44	39	<7	<7					<7	mg/kg	TM5/PM16
Total aromatics C5-44	456	<26	<26					<26	mg/kg	TM5/TM36/PM16
Total aliphatics and aromatics(C5-44)	563	<52	<52					<52	mg/kg	TM5/TM36/PM16
PCB 28 #	<50 _{AA}	<5	<5					<5	ug/kg	TM17/PM8
PCB 52 #	<50 _{AA}	<5	<5					<5	ug/kg	TM17/PM8
PCB 101 #	<50 _{AA}	<5	<5					<5	ug/kg	TM17/PM8
PCB 118#	<50 _{AA}	<5	<5					<5	ug/kg	TM17/PM8
PCB 138 #	<50 _{AA}	<5	<5					<5	ug/kg	TM17/PM8
PCB 153 #	<50 _{AA}	<5	<5					<5	ug/kg	TM17/PM8
PCB 180#	<50 _{AA}	<5	<5					<5	ug/kg	TM17/PM8
Total 7 PCBs#	<350 _{AA}	<35	<35					<35	ug/kg	TM17/PM8
2-Chlorophenol	<100 _{AA}	<10	<10					<10	ug/kg	TM16/PM8
Natural Moisture Content	8.9	10.6	14.6					<0.1	%	PM4/PM0
Natural Moisture Content	0.9	10.6	14.0					~ 0.1	70	PIVI4/PIVIU
2-Methylphenol	<100 _{AA}	<10	<10					<10	ug/kg	TM16/PM8
2-Nitrophenol	<100AA	<10	<10					<10	ug/kg	TM16/PM8
2,4-Dichlorophenol	<100 _{AA}	<10	<10					<10	ug/kg	TM16/PM8
2,4-Dimethylphenol	<100 _{AA}	<10	<10					<10	ug/kg	TM16/PM8
2,4,5-Trichlorophenol	<100 _{AA}	<10	<10					<10	ug/kg	TM16/PM8
2,4,6-Trichlorophenol	<100 _{AA}	<10	<10					<10	ug/kg	TM16/PM8
4-Chloro-3-methylphenol	<100 _{AA}	<10	<10					<10	ug/kg	TM16/PM8
4-Methylphenol	<100 _{AA}	<10	<10	<u> </u>			<u> </u>	<10	ug/kg	TM16/PM8

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report : Solid

JE Job No.:	15/17326							_		
J E Sample No.	106-108	115-117	121-123							
Sample ID	WS204	WS220	WS220							
Depth	0.20	0.20	1.00							
COC No / misc									e attached n ations and a	
Containers		VJT	VJT							
Sample Date		03/12/2015	03/12/2015							
Sample Type		Soil	Soil							
Batch Number	2	2	2							Mathad
Date of Receipt								LOD/LOR	Units	Method No.
4-Nitrophenol	<100 _{AA}	<10	<10					<10	ug/kg	TM16/PM8
Pentachlorophenol	<100 _{AA}	<10	<10					<10	ug/kg	TM16/PM8
Phenol	<100 _{AA}	<10	<10					<10	ug/kg	TM16/PM8
Total Speciated Phenols MS	<100 _{AA}	<10	<10					<10	ug/kg	TM16/PM8
		-							-5 5	
Total Organic Carbon #	5.87	0.30	1.40					<0.02	%	TM21/PM24
pH **	8.70	9.10	8.60					<0.01	pH units	TM73/PM11
Sample Type	Sandy Loam		Loam						None	PM13/PM0
Sample Colour	Medium Brown								None	PM13/PM0
Other Items	stones	stones	stones						None	PM13/PM0
Other items	Stories	Stories	Stories						None	FIVITS/FIVIO
	l .	l	l .	l .	l .	l .	l .	l .		

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report: CEN 10:1 1 Batch

	15/1/326						_		
J E Sample No.	106-108	115-117	121-123						
Sample ID	WS204	WS220	WS220						
Donath	0.20	0.20	1.00						
Depth	0.20	0.20	1.00					e attached rations and a	
COC No / misc									,
Containers	VJT	VJT	VJT						
Sample Date	03/12/2015	03/12/2015	03/12/2015						
Sample Type	Soil	Soil	Soil						
Batch Number	2	2	2						Method
Date of Receipt	04/12/2015	04/12/2015	04/12/2015				LOD/LOR	Units	No.
Dissolved Arsenic #	7.2	12.4	79.1				<2.5	ug/l	TM30/PM14
Dissolved Arsenic Dissolved Boron #	<12	<12	28				<12	ug/l	TM30/PM14
Dissolved Cadmium #	<0.5	<0.5	<0.5				<0.5	ug/l	TM30/PM14
Dissolved Chromium#	<1.5	3.9	11.9				<1.5	ug/l	TM30/PM14
Dissolved Copper#	<7	<7	<7				<7	ug/l	TM30/PM14
Dissolved Lead #	7	<5	<5				<5	ug/l	TM30/PM14
Dissolved Mercury#	<1	<1	<1				<1	ug/l	TM30/PM14
Dissolved Nickel #	<2	<2	<2				<2	ug/l	TM30/PM14
Dissolved Selenium #	<3	<3	<3				<3	ug/l	TM30/PM14
Dissolved Vanadium #	3.7	1.7	9.4				<1.5	ug/l	TM30/PM14
Dissolved Zinc#	6	4	6				<3	ug/l	TM30/PM14
PAH MS									
Naphthalene	<0.1	0.1	<0.1				<0.1	ug/l	TM4/PM30
Acenaphthylene	0.050	0.040	0.030				<0.013	ug/l	TM4/PM30
Acenaphthene	0.020	0.020	0.060				<0.013	ug/l	TM4/PM30
Fluorene	0.020	0.020	0.050				<0.014	ug/l	TM4/PM30
Phenanthrene	0.120	0.070	0.110				<0.011	ug/l	TM4/PM30
Anthracene	0.040	<0.013	0.050				<0.013	ug/l	TM4/PM30
Fluoranthene	0.330	0.040	0.180				<0.012	ug/l	TM4/PM30
Pyrene	0.360	0.040	0.160				<0.013	ug/l	TM4/PM30
Benzo(a)anthracene	0.200	0.020	0.150				<0.015	ug/l	TM4/PM30
Chrysene Renze/bl/fluorenthene	0.240 0.500	0.020 0.020	0.190 0.380				<0.011 <0.018	ug/l	TM4/PM30 TM4/PM30
Benzo(bk)fluoranthene Benzo(a)pyrene	0.310	<0.020	0.380				<0.016	ug/l	TM4/PM30
Indeno(123cd)pyrene	0.310	<0.010	0.100				<0.010	ug/l ug/l	TM4/PM30
Dibenzo(ah)anthracene	<0.01	<0.01	<0.01				<0.01	ug/l	TM4/PM30
Benzo(ghi)perylene	0.150	<0.011	0.080				<0.01	ug/l	TM4/PM30
PAH 16 Total	2.530	0.390	1.770				<0.195	ug/l	TM4/PM30
Benzo(b)fluoranthene	0.36	0.01	0.27				<0.01	ug/l	TM4/PM30
Benzo(k)fluoranthene	0.14	<0.01	0.11				<0.01	ug/l	TM4/PM30
PAH Surrogate % Recovery	93	78	82				<0	%	TM4/PM30
Methyl Tertiary Butyl Ether	<1	<1	<1				<1	ug/l	TM15/PM69
Benzene	<1	<1	<1				<1	ug/l	TM15/PM69
Toluene	<2	<2	<2				<2	ug/l	TM15/PM69
Ethylbenzene	<2	<2	<2				<2	ug/l	TM15/PM69
p/m-Xylene	<3	<3	<3				<3	ug/l	TM15/PM69
o-Xylene	<2	<2	<2				<2	ug/l	TM15/PM69
Surrogate Recovery Toluene D8	91	82	84				<0	%	TM15/PM69
Surrogate Recovery 4-Bromofluorobenzene	103	102	103				<0	%	TM15/PM69

Client Name: Geotechnics Reference: PN153428

Stockport Bus Station

Location: Contact:

JE Job No.: 15/17326

Report: CEN 10:1 1 Batch

JE Job No.:	15/17326									_		
J E Sample No.	106-108	115-117	121-123							Ì		
Sample ID	WS204	WS220	WS220									
	0.00	0.00	4.00									
Depth	0.20	0.20	1.00								e attached rations and a	
COC No / misc										abbievi	ations and a	Cionyma
Containers	VJT	VJT	VJT									
Sample Date	03/12/2015	03/12/2015	03/12/2015									
Sample Type	Soil	Soil	Soil									
Batch Number	2	2	2									NA-M
Date of Receipt										LOD/LOR	Units	Method No.
TPH CWG	04/12/2013	04/12/2013	04/12/2013									
Aliphatics												
>C5-C6	<5	<5	<5							<5	ug/l	TM36/PM69
>C6-C8	<5	<5	<5							<5	ug/l	TM36/PM69
>C8-C10	<5	<5	<5							<5	ug/l	TM36/PM69
>C10-C12	<5	<5	<5							<5	ug/l	TM5/PM30
>C12-C16	<10	<10	<10							<10	ug/l	TM5/PM30
>C16-C21	<10	<10	<10							<10	ug/l	TM5/PM30
>C21-C35	<10	120	<10							<10	ug/l	TM5/PM30
>C35-C44	<10	20	<10							<10	ug/l	TM5/PM30
Total aliphatics C5-44	<10	140	<10							<10	ug/l	TM5/TM36/PM30/PM69
Aromatics												
>C5-EC7	<5	<5	<5							<5	ug/l	TM36/PM69
>EC7-EC8	<5	<5	<5							<5	ug/l	TM36/PM69
>EC8-EC10	<5	<5 -5	<5 -5							<5 -5	ug/l	TM36/PM69
>EC10-EC12 >EC12-EC16	<5 <10	<5 170	<5 <10							<5 <10	ug/l	TM5/PM30 TM5/PM30
>EC16-EC21	<10	790	<10							<10	ug/l ug/l	TM5/PM30
>EC21-EC35	<10	1330	<10							<10	ug/l	TM5/PM30
>EC35-EC44	<10	270	<10							<10	ug/l	TM5/PM30
Total aromatics C5-44	<10	2560	<10							<10	ug/l	TM5/TM36/PM30/PM69
Total aliphatics and aromatics(C5-44)	<10	2700	<10							<10	ug/l	TM5/TM36/PM30/PM69
PCB 28	<0.1	<0.1	<0.1							<0.1	ug/l	TM17/PM30
PCB 52	<0.1	<0.1	<0.1							<0.1	ug/l	TM17/PM30
PCB 101	<0.1	<0.1	<0.1							<0.1	ug/l	TM17/PM30
PCB 118 PCB 138	<0.1 <0.1	<0.1 <0.1	<0.1 <0.1							<0.1 <0.1	ug/l ug/l	TM17/PM30 TM17/PM30
PCB 153	<0.1	<0.1	<0.1							<0.1	ug/l	TM17/PM30
PCB 180	<0.1	<0.1	<0.1							<0.1	ug/l	TM17/PM30
Total 7 PCBs	<0.7	<0.7	<0.7							<0.7	ug/l	TM17/PM30
											-	
2-Chlorophenol	<0.5	<0.5	<0.5							<0.5	ug/l	TM16/PM30
2-Methylphenol	<0.5	<0.5	<0.5							<0.5	ug/l	TM16/PM30
2-Nitrophenol	<0.5	<0.5	<0.5							<0.5	ug/l	TM16/PM30
2,4-Dichlorophenol	<0.5	<0.5	<0.5							<0.5	ug/l	TM16/PM30
2,4-Dimethylphenol	<0.5	<0.5	<0.5							<0.5	ug/l	TM16/PM30
2,4,5-Trichlorophenol	<0.5	<0.5	<0.5							<0.5	ug/l	TM16/PM30
2,4,6-Trichlorophenol	<0.5	<0.5	<0.5							<0.5	ug/l	TM16/PM30
4-Chloro-3-methylphenol	<0.5	<0.5	<0.5							<0.5	ug/l	TM16/PM30
4-Methylphenol	<0.5	<0.5	<0.5							<0.5	ug/l	TM16/PM30
4-Nitrophenol	<0.5	<0.5	<0.5							<0.5	ug/l	TM16/PM30
Pentachlorophenol	<0.5	<0.5 <0.5	<0.5 <0.5							<0.5	ug/l	TM16/PM30
Phenol	<0.5	<0.5	<0.5	<u> </u>	<u> </u>	L	<u> </u>	<u> </u>	<u> </u>	<0.5	ug/l	TM16/PM30

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report: CEN 10:1 1 Batch

JE JOD NO.:	15/1/326								
J E Sample No.	106-108	115-117	121-123						
Sample ID	WS204	WS220	WS220						
Depth	0.20	0.20	1.00				Diago so	e attached n	otoe for all
COC No / misc								ations and a	
Containers	VJT	VJT	VJT						
Sample Date	03/12/2015	03/12/2015	03/12/2015						
Sample Type	Soil	Soil	Soil						
Batch Number	2	2	2				LOD/LOR	Units	Method
Date of Receipt	04/12/2015	04/12/2015	04/12/2015				LOD/LOR		No.
Total Speciated Phenols MS	<6	<6	<6				<6	ug/l	TM16/PM30
Mass of raw test portion	0.1048	0.1008	0.1018					kg	NONE/PM17
Leachant Volume	0.885	0.889	0.889					ı	NONE/PM17
Discolused Coursels C.	_		_				-0		TMCO/P: :
Dissolved Organic Carbon pH	5 8.46	6 8.56	5 8.25				<2 <0.01	mg/l pH units	TM60/PM0 TM73/PM0
								•	

Client Name: Geotechnics

Reference: PN153428
Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

SVOC Report : Solid

JE Job No.:	15/17326									
J E Sample No.	106-108	115-117	121-123							
Sample ID	WS204	WS220	WS220							
Depth COC No / misc	0.20	0.20	1.00						e attached nations and a	
Containers	VJT	VJT	VJT							,
Sample Date	03/12/2015	03/12/2015								
Sample Type	Soil	Soil	Soil							
Batch Number	2	2	2					LOD/LOR	Llaita	Method
Date of Receipt	04/12/2015	04/12/2015	04/12/2015					LUD/LUR	Units	No.
SVOC MS										
Phenols										
2-Chlorophenol *M	<100 _{AA}	<10	<10					<10	ug/kg	TM16/PM8
2-Methylphenol	<100 _{AA}	<10	<10					<10	ug/kg	TM16/PM8
2-Nitrophenol	<100 _{AA}	<10	<10					<10	ug/kg	TM16/PM8
2,4-Dichlorophenol	<100 _{AA}	<10	<10					<10	ug/kg	TM16/PM8
2,4-Dimethylphenol 2,4,5-Trichlorophenol	<100 _{AA}	<10 <10	<10 <10					<10 <10	ug/kg ug/kg	TM16/PM8 TM16/PM8
2,4,6-Trichlorophenol	<100AA	<10	<10					<10	ug/kg	TM16/PM8
4-Chloro-3-methylphenol	<100 _{AA}	<10	<10					<10	ug/kg	TM16/PM8
4-Methylphenol	<100 _{AA}	<10	<10					<10	ug/kg	TM16/PM8
4-Nitrophenol	<100 _{AA}	<10	<10					<10	ug/kg	TM16/PM8
Pentachlorophenol	<100 _{AA}	<10	<10					<10	ug/kg	TM16/PM8
Phenol #M	<100 _{AA}	<10	<10					<10	ug/kg	TM16/PM8
PAHs										
2-Chloronaphthalene #M	<100 _{AA}	<10	<10					<10	ug/kg	TM16/PM8
2-Methylnaphthalene ** Phthalates	<100 _{AA}	<10	14					<10	ug/kg	TM16/PM8
Bis(2-ethylhexyl) phthalate	<1000 _{AA}	<100	<100					<100	ug/kg	TM16/PM8
Butylbenzyl phthalate	<1000AA	<100	<100					<100	ug/kg ug/kg	TM16/PM8
Di-n-butyl phthalate	<1000 _{AA}	<100	<100					<100	ug/kg	TM16/PM8
Di-n-Octyl phthalate	<1000 _{AA}	<100	<100					<100	ug/kg	TM16/PM8
Diethyl phthalate	<1000 _{AA}	<100	<100					<100	ug/kg	TM16/PM8
Dimethyl phthalate #M	<1000 _{AA}	<100	<100					<100	ug/kg	TM16/PM8
Other SVOCs										
1,2-Dichlorobenzene	<100 _{AA}	<10	<10					<10	ug/kg	TM16/PM8
1,2,4-Trichlorobenzene #M	<100 _{AA}	<10	<10					<10	ug/kg	TM16/PM8
1,3-Dichlorobenzene 1,4-Dichlorobenzene	<100 _{AA}	<10 <10	<10 <10					<10 <10	ug/kg	TM16/PM8 TM16/PM8
2-Nitroaniline	<100 _{AA}	<10	<10					<10	ug/kg ug/kg	TM16/PM8
2,4-Dinitrotoluene	<100AA	<10	<10					<10	ug/kg	TM16/PM8
2,6-Dinitrotoluene	<100 _{AA}	<10	<10					<10	ug/kg	TM16/PM8
3-Nitroaniline	<100 _{AA}	<10	<10					<10	ug/kg	TM16/PM8
4-Bromophenylphenylether #M	<100 _{AA}	<10	<10					<10	ug/kg	TM16/PM8
4-Chloroaniline	<100 _{AA}	<10	<10					<10	ug/kg	TM16/PM8
4-Chlorophenylphenylether	<100 _{AA}	<10	<10					<10	ug/kg	TM16/PM8
4-Nitroaniline	<100 _{AA}	<10	<10					<10	ug/kg	TM16/PM8
Azobenzene	<100 _{AA}	<10	<10 <10					<10	ug/kg	TM16/PM8 TM16/PM8
Bis(2-chloroethoxy)methane Bis(2-chloroethyl)ether	<100 _{AA}	<10 <10	<10					<10 <10	ug/kg ug/kg	TM16/PM8
Carbazole	<100 _{AA} 352 _{AA}	<10	16					<10	ug/kg ug/kg	TM16/PM8
Dibenzofuran *M	136 _{AA}	<10	13					<10	ug/kg	TM16/PM8
Hexachlorobenzene	<100 _{AA}	<10	<10					<10	ug/kg	TM16/PM8
Hexachlorobutadiene #M	<100 _{AA}	<10	<10					<10	ug/kg	TM16/PM8
Hexachlorocyclopentadiene	<100 _{AA}	<10	<10					<10	ug/kg	TM16/PM8
Hexachloroethane	<100 _{AA}	<10	<10					<10	ug/kg	TM16/PM8
Isophorone #M	<100 _{AA}	<10	<10					<10	ug/kg	TM16/PM8
N-nitrosodi-n-propylamine #M	<100 _{AA}	<10	<10					<10	ug/kg	TM16/PM8
Nitrobenzene **M Surrogate Recovery 2-Fluorobiphenyl	<100 _{AA}	<10 70	<10 91					<10 <0	ug/kg %	TM16/PM8 TM16/PM8
Surrogate Recovery p-Terphenyl-d14	95 _{AA}	80	109					<0	%	TM16/PM8
	- AA							-		
				<u></u>						

Client Name: Geotechnics SVOC Report : CEN 10:1 1 Batch

Reference: PN153428
Location: Stockport Bus Station

Contact:

JE Job No.:	15/17326								
J E Sample No.	106-108	115-117	121-123						
Sample ID	WS204	WS220	WS220						
Depth COC No / misc	0.20	0.20	1.00					e attached nations and a	
Containers	VJT	VJT	VJT						, ,
Sample Date	03/12/2015	03/12/2015							
Sample Type	Soil	Soil	Soil						
Batch Number	2	2	2				LOD/LOR	Units	Method No.
Date of Receipt SVOC MS	04/12/2015	04/12/2015	04/12/2015						INO.
Phenois									
2-Chlorophenol	<1	<1	<1				<1	ug/l	TM16/PM30
2-Methylphenol	<0.5	<0.5	<0.5				<0.5	ug/l	TM16/PM30
2-Nitrophenol	<0.5	<0.5	<0.5				<0.5	ug/l	TM16/PM30
2,4-Dichlorophenol	<0.5	<0.5	<0.5				<0.5	ug/l	TM16/PM30
2,4-Dimethylphenol	<1	<1	<1				<1	ug/l	TM16/PM30
2,4,5-Trichlorophenol	<0.5	<0.5	<0.5				<0.5	ug/l	TM16/PM30 TM16/PM30
2,4,6-Trichlorophenol 4-Chloro-3-methylphenol	<1 <0.5	<1 <0.5	<1 <0.5				<1 <0.5	ug/l ug/l	TM16/PM30
4-Methylphenol	<1	<1	<1				<1	ug/l	TM16/PM30
4-Nitrophenol	<10	<10	<10				<10	ug/l	TM16/PM30
Pentachlorophenol	<1	<1	<1				<1	ug/l	TM16/PM30
Phenol	<1	<1	<1				<1	ug/l	TM16/PM30
PAHs									
2-Chloronaphthalene	<1	<1	<1				<1	ug/l	TM16/PM30
2-Methylnaphthalene Phthalates	<1	<1	<1				<1	ug/l	TM16/PM30
Bis(2-ethylhexyl) phthalate	<5	<5	<5				<5	ug/l	TM16/PM30
Butylbenzyl phthalate	<1	<1	<1				<1	ug/l	TM16/PM30
Di-n-butyl phthalate	<1.5	<1.5	<1.5				<1.5	ug/l	TM16/PM30
Di-n-Octyl phthalate	<1	<1	<1				<1	ug/l	TM16/PM30
Diethyl phthalate	<1	<1	<1				<1	ug/l	TM16/PM30
Dimethyl phthalate	<1	<1	<1				<1	ug/l	TM16/PM30
Other SVOCs 1,2-Dichlorobenzene	<1	<1	<1				<1	ug/l	TM16/PM30
1,2,4-Trichlorobenzene	<1	<1	<1				<1	ug/l	TM16/PM30
1,3-Dichlorobenzene	<1	<1	<1				<1	ug/l	TM16/PM30
1,4-Dichlorobenzene	<1	<1	<1				<1	ug/l	TM16/PM30
2-Nitroaniline	<1	<1	<1				<1	ug/l	TM16/PM30
2,4-Dinitrotoluene	<0.5	<0.5	<0.5				<0.5	ug/l	TM16/PM30
2,6-Dinitrotoluene 3-Nitroaniline	<1 <1	<1 <1	<1 <1				<1 <1	ug/l	TM16/PM30 TM16/PM30
4-Bromophenylphenylether	<1	<1	<1				<1	ug/l ug/l	TM16/PM30
4-Chloroaniline	<1	<1	<1				<1	ug/l	TM16/PM30
4-Chlorophenylphenylether	<1	<1	<1				<1	ug/l	TM16/PM30
4-Nitroaniline	<0.5	<0.5	<0.5				<0.5	ug/l	TM16/PM30
Azobenzene	<0.5	<0.5	<0.5				<0.5	ug/l	TM16/PM30
Bis(2-chloroethoxy)methane	<0.5	<0.5	<0.5				<0.5	ug/l	TM16/PM30
Bis(2-chloroethyl)ether Carbazole	<1 <0.5	<1 <0.5	<1 <0.5				<1 <0.5	ug/l ug/l	TM16/PM30 TM16/PM30
Dibenzofuran	<0.5	<0.5	<0.5				<0.5	ug/l	TM16/PM30
Hexachlorobenzene	<1	<1	<1				<1	ug/l	TM16/PM30
Hexachlorobutadiene	<1	<1	<1				<1	ug/l	TM16/PM30
Hexachlorocyclopentadiene	<1	<1	<1				<1	ug/l	TM16/PM30
Hexachloroethane	<1	<1	<1				<1	ug/l	TM16/PM30
Isophorone	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5				<0.5 <0.5	ug/l	TM16/PM30 TM16/PM30
N-nitrosodi-n-propylamine Nitrobenzene	<0.5	<0.5	<0.5				<0.5	ug/l ug/l	TM16/PM30 TM16/PM30
Surrogate Recovery 2-Fluorobiphenyl	80	80	78				<0	%	TM16/PM30
Surrogate Recovery p-Terphenyl-d14	86	87	86				<0	%	TM16/PM30

Client Name: Geotechnics

Reference: PN153428
Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

VOC Report : Solid

JE Job No.:	15/17326									
J E Sample No.	106-108	115-117	121-123							
Sample ID	WS204	WS220	WS220							
Depth COC No / misc	0.20	0.20	1.00						e attached nations and a	
Containers	VJT	VJT	VJT							•
Sample Date		03/12/2015								
Sample Type	Soil	Soil	Soil							
Batch Number	2	2	2					LOD/LOR	Units	Method
Date of Receipt	04/12/2015	04/12/2015	04/12/2015							No.
VOC MS	_		_					_	_	
Dichlorodifluoromethane	<2	<2	<2					<2	ug/kg	TM15/PM10 TM15/PM10
Methyl Tertiary Butyl Ether *** Chloromethane **	<6	<6	<6 <3					<6	ug/kg	TM15/PM10
Vinyl Chloride	<3 <2	<3 <2	<2					<3 <2	ug/kg ug/kg	TM15/PM10
Bromomethane	<1	<1	<1					<1	ug/kg	TM15/PM10
Chloroethane #M	<6	<6	<6					<6	ug/kg	TM15/PM10
Trichlorofluoromethane #M	<3	<3	<3					<3	ug/kg	TM15/PM10
1,1-Dichloroethene (1,1 DCE) #M	<6	<6	<6					<6	ug/kg	TM15/PM10
Dichloromethane (DCM)#	<7	<7	<7					<7	ug/kg	TM15/PM10
trans-1-2-Dichloroethene #	<3	<3	<3					<3	ug/kg	TM15/PM10
1,1-Dichloroethane #M	<6	<6	<6					<6	ug/kg	TM15/PM10
cis-1-2-Dichloroethene #M	<7	<7	<7					<7	ug/kg	TM15/PM10
2,2-Dichloropropane Bromochloromethane **M	<4 <4	<4 <4	<4 <4					<4 <4	ug/kg ug/kg	TM15/PM10 TM15/PM10
Chloroform **M	<5	<5	<5					<5	ug/kg	TM15/PM10
1,1,1-Trichloroethane *M	<5	<5	<5					<5	ug/kg	TM15/PM10
1,1-Dichloropropene #	<3	<3	<3					<3	ug/kg	TM15/PM10
Carbon tetrachloride #M	<4	<4	<4					<4	ug/kg	TM15/PM10
1,2-Dichloroethane *M	<5	<5	<5					<5	ug/kg	TM15/PM10
Benzene #M	<5	<5	<5					<5	ug/kg	TM15/PM10
Trichloroethene (TCE) #M	<5	<5	11					<5	ug/kg	TM15/PM10
1,2-Dichloropropane **M	<4	<4	<4					<4	ug/kg	TM15/PM10
Dibromomethane #M	<4	<4	<4					<4	ug/kg	TM15/PM10 TM15/PM10
Bromodichloromethane #M cis-1-3-Dichloropropene	<4 <4	<4 <4	<4 <4					<4 <4	ug/kg ug/kg	TM15/PM10
Toluene **M	<3	<3	<3					<3	ug/kg	TM15/PM10
trans-1-3-Dichloropropene	<3	<3	<3					<3	ug/kg	TM15/PM10
1,1,2-Trichloroethane #M	<4	<4	<4					<4	ug/kg	TM15/PM10
Tetrachloroethene (PCE) #	<3	<3	<3					<3	ug/kg	TM15/PM10
1,3-Dichloropropane #M	<4	<4	<4					<4	ug/kg	TM15/PM10
Dibromochloromethane #M	<5	<5	<5					<5	ug/kg	TM15/PM10
1,2-Dibromoethane #	<3	<3	<3					<3	ug/kg	TM15/PM10
Chlorobenzene **M 1,1,1,2-Tetrachloroethane **M	<4 <5	<4 <5	<4 <5					<4 <5	ug/kg ug/kg	TM15/PM10 TM15/PM10
Ethylbenzene **M	<3	<3	<3					<3	ug/kg	TM15/PM10
p/m-Xylene *M	<4	<4	<4					<4	ug/kg	TM15/PM10
o-Xylene #M	<4	<4	<4					<4	ug/kg	TM15/PM10
Styrene	<3	<3	<3					<3	ug/kg	TM15/PM10
Bromoform	<4	<4	<4					<4	ug/kg	TM15/PM10
Isopropylbenzene#	<3	<3	<3					<3	ug/kg	TM15/PM10
1,1,2,2-Tetrachloroethane **	<3	<3	<3					<3	ug/kg	TM15/PM10
Bromobenzene	<2	<2	<2					<2	ug/kg	TM15/PM10 TM15/PM10
1,2,3-Trichloropropane *** Propylbenzene **	<4 <4	<4 <4	<4 <4					<4 <4	ug/kg ug/kg	TM15/PM10 TM15/PM10
2-Chlorotoluene	<3	<3	<3					<3	ug/kg ug/kg	TM15/PM10
1,3,5-Trimethylbenzene #	<3	<3	<3					<3	ug/kg	TM15/PM10
4-Chlorotoluene	<3	<3	<3					<3	ug/kg	TM15/PM10
tert-Butylbenzene #	<5	<5	<5					<5	ug/kg	TM15/PM10
1,2,4-Trimethylbenzene #	<6	<6	<6					<6	ug/kg	TM15/PM10
sec-Butylbenzene#	<4	<4	<4					<4	ug/kg	TM15/PM10
4-Isopropyltoluene #	<4	<4	<4					<4	ug/kg	TM15/PM10
1,3-Dichlorobenzene **M 1,4-Dichlorobenzene **	<4 <4	<4 <4	<4 <4					<4 <4	ug/kg ug/kg	TM15/PM10 TM15/PM10
n-Butylbenzene #	<4	<4	<4					<4	ug/kg ug/kg	TM15/PM10
1,2-Dichlorobenzene **M	<4	<4	<4					<4	ug/kg	TM15/PM10
1,2-Dibromo-3-chloropropane #	<4	<4	<4					<4	ug/kg	TM15/PM10
1,2,4-Trichlorobenzene #	<7	<7	<7					<7	ug/kg	TM15/PM10
Hexachlorobutadiene	<4	<4	<4					<4	ug/kg	TM15/PM10
Naphthalene	<27	<27	<27					<27	ug/kg	TM15/PM10
1,2,3-Trichlorobenzene #	<7	<7	<7	l			l	<7	ug/kg	TM15/PM10
Surrogate Recovery Toluene D8										
Surrogate Recovery 4-Bromofluorobenzene	100 99	107 121	114 111					<0 <0	%	TM15/PM10 TM15/PM10

Geotechnics Client Name: VOC Report : CEN 10:1 1 Batch

PN153428 Reference: Stockport Bus Station Location:

Contact:

JE Job No.:	15/17326										
J E Sample No.	106-108	115-117	121-123								
Sample ID	WS204	WS220	WS220								
Depth COC No / misc	0.20	0.20	1.00							e attached nations and a	
Containers	V J T	V J T	V J T								
Sample Date Sample Type	03/12/2015 Soil	03/12/2015 Soil	03/12/2015 Soil								
Batch Number	2	2	2						LOD/LOR	Units	Method
Date of Receipt	04/12/2015	04/12/2015	04/12/2015						LODILOIX	Office	No.
VOC MS Dichlorodifluoromethane	<2	<2	<2						<2	ug/l	TM15/PM69
Methyl Tertiary Butyl Ether	<1	<1	<1						<1	ug/l	TM15/PM69
Chloromethane	<3	<3	<3						<3	ug/l	TM15/PM69
Vinyl Chloride	<0.1	<0.1	<0.1						<0.1	ug/l	TM15/PM69
Bromomethane	<1	<1	<1						<1	ug/l	TM15/PM69 TM15/PM69
Chloroethane Trichlorofluoromethane	<3 <3	<3 <3	<3 <3						<3 <3	ug/l ug/l	TM15/PM69
1,1-Dichloroethene (1,1 DCE)	<3	<3	<3						<3	ug/l	TM15/PM69
Dichloromethane (DCM)	<3	<3	<3						<3	ug/l	TM15/PM69
trans-1-2-Dichloroethene	<3	<3	<3						<3	ug/l	TM15/PM69 TM15/PM69
1,1-Dichloroethane cis-1-2-Dichloroethene	<3 <3	<3 <3	<3 <3						<3 <3	ug/l ug/l	TM15/PM69 TM15/PM69
2,2-Dichloropropane	<1	<1	<1						<1	ug/l	TM15/PM69
Bromochloromethane	<2	<2	<2						<2	ug/l	TM15/PM69
Chloroform	<2	<2	<2						<2	ug/l	TM15/PM69
1,1,1-Trichloroethane 1,1-Dichloropropene	<2 <3	<2 <3	<2 <3						<2 <3	ug/l ug/l	TM15/PM69 TM15/PM69
Carbon tetrachloride	<2	<2	<2						<2	ug/l	TM15/PM69
1,2-Dichloroethane	<2	<2	<2						<2	ug/l	TM15/PM69
Benzene	<1	<1	<1						<1	ug/l	TM15/PM69
Trichloroethene (TCE) 1,2-Dichloropropane	<3 <2	<3 <2	<3 <2						<3 <2	ug/l ug/l	TM15/PM69 TM15/PM69
Dibromomethane	<3	<3	<3						<3	ug/l	TM15/PM69
Bromodichloromethane	<2	<2	<2						<2	ug/l	TM15/PM69
cis-1-3-Dichloropropene	<2	<2	<2						<2	ug/l	TM15/PM69
Toluene trans-1-3-Dichloropropene	<2 <2	<2 <2	<2 <2						<2 <2	ug/l ug/l	TM15/PM69 TM15/PM69
1,1,2-Trichloroethane	<2	<2	<2						<2	ug/l	TM15/PM69
Tetrachloroethene (PCE)	<3	<3	<3						<3	ug/l	TM15/PM69
1,3-Dichloropropane	<2	<2	<2						<2	ug/l	TM15/PM69
Dibromochloromethane 1,2-Dibromoethane	<2 <2	<2 <2	<2 <2						<2 <2	ug/l ug/l	TM15/PM69 TM15/PM69
Chlorobenzene	<2	<2	<2						<2	ug/l	TM15/PM69
1,1,1,2-Tetrachloroethane	<2	<2	<2						<2	ug/l	TM15/PM69
Ethylbenzene	<2	<2	<2						<2	ug/l	TM15/PM69
p/m-Xylene o-Xylene	<3 <2	<3 <2	<3 <2						<3 <2	ug/l ug/l	TM15/PM69 TM15/PM69
Styrene	<2	<2	<2						<2	ug/l	TM15/PM69
Bromoform	<2	<2	<2						<2	ug/l	TM15/PM69
Isopropylbenzene	<3	<3	<3						<3	ug/l	TM15/PM69
1,1,2,2-Tetrachloroethane Bromobenzene	<4 <2	<4 <2	<4 <2						<4 <2	ug/l ug/l	TM15/PM69 TM15/PM69
1,2,3-Trichloropropane	<3	<3	<3						<3	ug/l	TM15/PM69
Propylbenzene	<3	<3	<3						<3	ug/l	TM15/PM69
2-Chlorotoluene	<3	<3	<3						<3	ug/l	TM15/PM69
1,3,5-Trimethylbenzene 4-Chlorotoluene	<3 <3	<3 <3	<3 <3						<3 <3	ug/l ug/l	TM15/PM69 TM15/PM69
tert-Butylbenzene	<3	<3	<3						<3	ug/l	TM15/PM69
1,2,4-Trimethylbenzene	<3	<3	<3						<3	ug/l	TM15/PM69
sec-Butylbenzene	<3	<3	<3						<3	ug/l	TM15/PM69
4-Isopropyltoluene 1,3-Dichlorobenzene	<3 <3	<3 <3	<3 <3						<3 <3	ug/l ug/l	TM15/PM69 TM15/PM69
1,4-Dichlorobenzene	<3	<3	<3						<3	ug/l	TM15/PM69
n-Butylbenzene	<3	<3	<3						<3	ug/l	TM15/PM69
1,2-Dichlorobenzene	<3	<3	<3						<3	ug/l	TM15/PM69
1,2-Dibromo-3-chloropropane 1,2,4-Trichlorobenzene	<2 <3	<2 <3	<2 <3						<2 <3	ug/l ug/l	TM15/PM69 TM15/PM69
Hexachlorobutadiene	<3	<3	<3						<3	ug/l	TM15/PM69
Naphthalene	<2	<2	<2						<2	ug/l	TM15/PM69
1,2,3-Trichlorobenzene	<3	<3	<3						<3	ug/l	TM15/PM69
Surrogate Recovery Toluene D8 Surrogate Recovery 4-Bromofluorobenzene	91 103	85 103	91 113						<0 <0	%	TM15/PM69 TM15/PM69
Gurroyate Necovery 4-promofiliorobenzene	103	103	113	<u> </u>	l	l	<u> </u>	<u> </u>	<u< td=""><td>70</td><td>1 IVI 13/PIVI09</td></u<>	70	1 IVI 13/PIVI09

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

Note:

Analysis was carried out in accordance with our documented in-house methods PM042 and TM065 and HSG 248 by Stereo and Polarised Light Microscopy using Dispersion Staining Techniques and is covered by our UKAS accreditation. Samples are retained for not less than 6 months from the date of analysis unless specifically requested.

Opinions lie outside the scope of our UKAS accreditation.

Where the sample is not taken by a Jones Environmental Laboratory consultant, Jones Environmental Laboratory cannot be responsible for inaccurate or unrepresentative sampling.

Any questionable sample will automatically be assumed to have breached the Waste Limit and further testing may be required.

Signed on behalf of Jones Environmental Laboratory:

Asbestos Team Leader

J E Job No.	Batch	Sample ID	Depth	J E Sample No.	Date Of Analysis	Analysis	Result
15/17326	2	WS204	0.20	107	11/12/2015	Mass of Dry Sample	55.2 (g)
					15/12/2015	General Description (Bulk Analysis)	Soil-Silt/Clay/Brick/Stone
					15/12/2015	Asbestos Containing Material	None
					15/12/2015	Asbestos Containing Material (2)	None
					15/12/2015	Asbestos Screen	NAD
					15/12/2015	Asbestos Screen (2)	NAD
					15/12/2015	Asbestos Level	NAD
					15/12/2015	Waste Limit	<0.1%
15/17326	2	WS220	0.20	116		Mass of Dry Sample	54.8 (g)
					15/12/2015	General Description (Bulk Analysis)	Soil-Silt/Clay/Brick/Stone
						Asbestos Containing Material	None
					15/12/2015	Asbestos Containing Material (2)	None
					15/12/2015	Asbestos Screen	NAD
					15/12/2015	Asbestos Screen (2)	NAD
					15/12/2015	Asbestos Level	NAD
					15/12/2015	Waste Limit	<0.1%
15/17326	2	WS220	1.00	122	11/12/2015	Mass of Dry Sample	48.2 (g)
					15/12/2015	General Description (Bulk Analysis)	Soil-Silt/Clay/Brick/Stone
					15/12/2015	Asbestos Containing Material	None
					15/12/2015	Asbestos Containing Material (2)	None
					15/12/2015	Asbestos Screen	NAD
						Asbestos Screen (2)	NAD
					15/12/2015	Asbestos Level	NAD
					15/12/2015	Waste Limit	<0.1%

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

J E Job No.	Batch	Sample ID	Depth	J E Sample No.	Analysis	Reason
					No deviating sample report results for job 15/17326	

Please note that only samples that are deviating are mentioned in this report. If no samples are listed it is because none were deviating. Only analyses which are accredited are recorded as deviating if set criteria are not met.

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

JE Job No.: 15/17326

SOILS

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited.

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCI (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 (UKAS) accreditation applies to surface water and groundwater and one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

DEVIATING SAMPLES

Samples must be received in a condition appropriate to the requested analyses. All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. If this is not the case you will be informed and any test results that may be compromised highlighted on your deviating samples report.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

DILUTIONS

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

NOTE

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a UKAS requirement for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.

Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

ABBREVIATIONS and ACRONYMS USED

ISO17025 (UKAS) accredited - UK. B Indicates analyte found in associated method blank. DR Dilution required. M MCERTS accredited. NA Not applicable NAD No Asbestos Detected. ND None Detected (usually refers to VOC and/SVOC TICs).
DR Dilution required. M MCERTS accredited. NA Not applicable NAD No Asbestos Detected. ND None Detected (usually refers to VOC and/SVOC TICs).
M MCERTS accredited. NA Not applicable NAD No Asbestos Detected. ND None Detected (usually refers to VOC and/SVOC TICs).
NA Not applicable NAD No Asbestos Detected. ND None Detected (usually refers to VOC and/SVOC TICs).
NAD No Asbestos Detected. ND None Detected (usually refers to VOC and/SVOC TICs).
ND None Detected (usually refers to VOC and/SVOC TICs).
NDD No Determination Provides
NDP No Determination Possible
SS Calibrated against a single substance
SV Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W Results expressed on as received basis.
+ AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
++ Result outside calibration range, results should be considered as indicative only and are not accredited.
* Analysis subcontracted to a Jones Environmental approved laboratory.
AD Samples are dried at 35°C ±5°C
CO Suspected carry over
LOD/LOR Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS
ME Matrix Effect
NFD No Fibres Detected
BS AQC Sample
LB Blank Sample
N Client Sample
TB Trip Blank Sample
OC Outside Calibration Range
AA x10 Dilution

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465 and BS1377.	PM0	No preparation is required.				
PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465 and BS1377.	PM0	No preparation is required.			AR	Yes
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.			AR	Yes
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.			AR	
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes	Yes	AR	Yes
TM5	Modified USEPA 8015B method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) with carbon banding within the range C8-C40 GC-FID.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	Yes
TM5	Modified USEPA 8015B method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) with carbon banding within the range C8-C40 GC-FID.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.	Yes	Yes	AR	Yes
TM5	Modified USEPA 8015B method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) with carbon banding within the range C8-C40 GC-FID.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.			AR	Yes

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM5/TM36	TM005: Modified USEPA 8015B. Determination of solvent Extractable Petroleum Hydrocarbons (EPH) including column fractionation in the carbon range of C10-35 into aliphatic and aromatic fractions by GC-FID. TM036: Modified USEPA 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C5-10 by headspace GC-FID.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	Yes
TM5/TM36	TM005: Modified USEPA 8015B. Determination of solvent Extractable Petroleum Hydrocarbons (EPH) including column fractionation in the carbon range of C10-35 into aliphatic and aromatic fractions by GC-FID. TM036: Modified USEPA 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C5-10 by headspace GC-FID.	PM30/PM69	PM030: Eluate samples are extracted with solvent using a magnetic stirrer to create a vortex.PM069: One part soil is mixed with 10 parts water in a vial leaving no headspace. The mixture is shaken and then left to leach for 24 hours before VOC analysis.			AR	Yes
PM13	A visual examination of the solid sample is carried out to ascertain sample make up, colour and any other inclusions. This is not a geotechnical description.	PM0	No preparation is required.			AR	
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes		AR	Yes
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes	Yes	AR	Yes
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM69	Modified BS EN 12457 method. One part soil is mixed with 10 parts water in a vial leaving no headspace. The mixture is shaken and then left to leach for 24 hours before VOC analysis.			AR	Yes
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM69	Modified BS EN 12457 method. One part soil is mixed with 10 parts water in a vial leaving no headspace. The mixture is shaken and then left to leach for 24 hours before VOC analysis.			AR	
TM16	Modified USEPA 8270. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.			AR	Yes
TM16	Modified USEPA 8270. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.			AR	

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM16	Modified USEPA 8270. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes
TM16	Modified USEPA 8270. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes	Yes	AR	Yes
TM17	Modified US EPA method 8270. Determination of specific Polychlorinated Biphenyl congeners by GC-MS.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.			AR	Yes
TM17	Modified US EPA method 8270. Determination of specific Polychlorinated Biphenyl congeners by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM21	Modified USEPA 415.1. Determination of Total Organic Carbon or Total Carbon by combustion in an Eltra TOC furnace/analyser in the presence of oxygen. The CO2 generated is quantified using infra-red detection.	PM24	Dried and ground solid samples are washed with hydrochloric acid, then rinsed with deionised water to remove the mineral carbon before TOC analysis.	Yes		AD	Yes
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7	PM14	Analysis of waters and leachates for metals by ICP OES. Samples are filtered for dissolved metals and acidified if required.	Yes		AR	Yes
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.			AD	Yes
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.	Yes	Yes	AD	Yes
TM36	Modified US EPA method 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM36	Modified US EPA method 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes	Yes	AR	Yes

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM36	Modified US EPA method 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID.	PM69	Modified BS EN 12457 method. One part soil is mixed with 10 parts water in a vial leaving no headspace. The mixture is shaken and then left to leach for 24 hours before VOC analysis.			AR	Yes
TM60	Modified USEPA 9060. Determination of TOC by calculation from Total Carbon and Inorganic Carbon using a TOC analyser, the carbon in the sample is converted to CO2 and then passed through a non-dispersive infrared gas analyser (NDIR).	PM0	No preparation is required.			AR	Yes
TM65	Asbestos Bulk Identification method based on HSG 248.	PM42	Solid samples undergo a thorough visual inspection for asbestos fibres prior to asbestos identification using TM065.			AR	
TM65	Asbestos Bulk Identification method based on HSG 248.	PM42	Solid samples undergo a thorough visual inspection for asbestos fibres prior to asbestos identification using TM065.	Yes		AR	
TM73	Modified US EPA methods 150.1 and 9045D. Determination of pH by Metrohm automated probe analyser.	PM0	No preparation is required.			AR	Yes
TM73	Modified US EPA methods 150.1 and 9045D. Determination of pH by Metrohm automated probe analyser.	PM11	Extraction of as received solid samples using one part solid to 2.5 parts deionised water.	Yes	Yes	AR	No
TM74	Analysis of water soluble boron (20:1 extract) by ICP-OES.	PM32	Hot water soluble boron is extracted from dried and ground samples using a 20:1 ratio.	Yes	Yes	AD	Yes
NONE	No Method Code	PM17	Modified method EN12457-2 As received solid samples are leached with water in a 10:1 water to soil ratio for 24 hours, the moisture content of the sample is included in the ratio.				
NONE	No Method Code	PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465 and BS1377.			AR	



Registered Address: Unit 3 Deeside Point, Zone 3, Deeside Industrial Park, Deeside, CH5 2UA. UK

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Zone 3

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Attention:

Date: 7th January, 2016

Your reference : PN153428

Our reference : Test Report 15/17326 Batch 2 Schedule C

Location : Stockport Bus Station

Date samples received: 4th December, 2015

Status: Final report

Issue:

Sixteen samples were received for analysis on 4th December, 2015 of which four were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.

All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Compiled By:

Client Name: Geotechnics
Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report : Solid

JE Job No.:	15/17326							ı		
J E Sample No.	79-81	91-93	100-102	103-105						
Sample ID	BH111	BH108	BH108	BH108						
Depth	0.20-0.40	1.00	4.00	5.00				Diversi		
COC No / misc									e attached n ations and a	
Containers	VJT	VJT	VJT	VJT						
Sample Date	03/12/2015	03/12/2015	03/12/2015	03/12/2015						
Sample Type	Soil	Soil	Soil	Soil						
Batch Number	2	2	2	2				LOD/LOR	Units	Method
Date of Receipt	04/12/2015	04/12/2015	04/12/2015	04/12/2015				LOD/LOR	Offics	No.
Arsenic #M	0.8	66.7	44.9	4.3				<0.5	mg/kg	TM30/PM15
Chromium #M	8.0	72.0	66.5	69.5				<0.5	mg/kg	TM30/PM15
Copper **M	4	180	54	6				<1	mg/kg	TM30/PM15
Lead ^{#M}	17	947	224	9				<5	mg/kg	TM30/PM15
Mercury #M	<0.1	1.2	0.7	<0.1				<0.1	mg/kg	TM30/PM15
Nickel #M	4.9	39.0	25.4	15.0				<0.7	mg/kg	TM30/PM15
Selenium #M	<1	1	<1	<1				<1	mg/kg	TM30/PM15
Vanadium	2	49	28	15				<1	mg/kg	TM30/PM15
Water Soluble Boron #M	0.1	0.6	0.5	0.3				<0.1	mg/kg	TM74/PM32
Zinc #M	34	495	53	23				<5	mg/kg	TM30/PM15
D										
PAH MS	0.05	2.00	0.00	40.04				±0.04		TM4/DM0
Naphthalene *M	0.05	2.00	0.23	<0.04				<0.04	mg/kg	TM4/PM8
Acenaphthylene	0.03 <0.05	0.19 2.79	0.07	<0.03 <0.05				<0.03 <0.05	mg/kg	TM4/PM8 TM4/PM8
Acenaphthene *** Fluorene ***	0.04	1.85	0.17	<0.03				<0.03	mg/kg mg/kg	TM4/PM8
Phenanthrene #M	0.43	16.09	1.83	0.11				<0.03	mg/kg	TM4/PM8
Anthracene #	0.14	3.61	0.45	<0.04				<0.04	mg/kg	TM4/PM8
Fluoranthene #M	0.75	15.70	1.29	0.08				<0.03	mg/kg	TM4/PM8
Pyrene #	0.67	13.88	1.36	0.10				<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene#	0.30	5.43	0.60	<0.06				<0.06	mg/kg	TM4/PM8
Chrysene *M	0.35	6.34	0.72	0.05				<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #M	0.47	8.95	0.76	<0.07				<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	0.30	6.33	0.55	0.05				<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene #M	0.20	3.77	0.25	<0.04				<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	0.05	0.96	0.08	<0.04				<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	0.16	3.60	0.24	<0.04				<0.04	mg/kg	TM4/PM8
PAH 16 Total	3.9	91.5	8.8	<0.6				<0.6	mg/kg	TM4/PM8
Benzo(b)fluoranthene	0.34	6.44	0.55	<0.05				<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	0.13	2.51	0.21	<0.02				<0.02	mg/kg %	TM4/PM8
PAH Surrogate % Recovery	112	129	111	118				<0	70	TM4/PM8
Methyl Tertiary Butyl Ether ***	<6	<6	<6	_				<6	ug/kg	TM15/PM10
Benzene **M	<5	<5	<5	-				<5	ug/kg	TM15/PM10
Toluene #M	<3	<3	<3	-				<3	ug/kg	TM15/PM10
Ethylbenzene **M	<3	<3	<3	-				<3	ug/kg	TM15/PM10
p/m-Xylene #M	<4	<4	<4	-				<4	ug/kg	TM15/PM10
o-Xylene #M	<4	<4	<4	-				<4	ug/kg	TM15/PM10
Surrogate Recovery Toluene D8	111	101	112	-				<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	115	83	123	-				<0	%	TM15/PM10

Client Name: Geotechnics
Reference: PN153428

Reference: PN153428
Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report : Solid

79-81	91-93	100-102	103-105									
BH111	BH108	BH108	BH108									
0.20-0.40	1.00	4.00	5.00							Dloggo go	o attached n	otos for all
VIT	\/ IT	VIT	VIT									
03/12/2015	03/12/2015	03/12/2015	03/12/2015									
Soil	Soil	Soil	Soil									
2	2	2	2							LOD/LOD	Linito	Method
04/12/2015	04/12/2015	04/12/2015	04/12/2015							LOD/LOR	Units	No.
<0.1	<0.1	<0.1	<0.1							<0.1	mg/kg	TM36/PM12
<0.1	<0.1	<0.1	<0.1							<0.1	mg/kg	TM36/PM12
<0.1	<0.1	<0.1	<0.1							<0.1	mg/kg	TM36/PM12
<0.2	<0.2	<0.2	<0.2							<0.2	mg/kg	TM5/PM16
<4	<4	<4	<4							<4	mg/kg	TM5/PM16
<7	27	<7	<7							<7	mg/kg	TM5/PM16
11	360	67	<7							<7	mg/kg	TM5/PM16
<7	43	<7	<7							<7	mg/kg	TM5/PM16
<26	430	67	<26							<26	mg/kg	TM5/TM36/PM16
												TM36/PM12
												TM36/PM12
												TM36/PM12
												TM5/PM16
												TM5/PM16
												TM5/PM16 TM5/PM16
												TM5/PM16
												TM5/TM36/PM16
												TM5/TM36/PM16
	.000										99	
-	-	-	<5							<5	ug/kg	TM31/PM12
-	-	-	<5							<5		TM31/PM12
-	-	-	<5							<5	ug/kg	TM31/PM12
-	-	-	<5							<5	ug/kg	TM31/PM12
-	-	-	<5							<5	ug/kg	TM31/PM12
-	-	-	<5							<5	ug/kg	TM31/PM12
<5	<5	<50 _{AA}	-							<5	ug/kg	TM17/PM8
<5	<5	<50 _{AA}	-							<5	ug/kg	TM17/PM8
<5	<5	<50 _{AA}	-							<5	ug/kg	TM17/PM8
<5	<5	<50 _{AA}	-							<5	ug/kg	TM17/PM8
<5	<5	<50 _{AA}	-							<5	ug/kg	TM17/PM8
<5	<5	<50 _{AA}	-							<5	ug/kg	TM17/PM8
<5	<5		-							<5	ug/kg	TM17/PM8
<35	<35	<350 _{AA}	-							<35	ug/kg	TM17/PM8
-40	*100	-40	-40							-40		TM40/DM2
<10	<1UU _{AA}	<10	<10							<10	ug/kg	TM16/PM8
0.0	20.2	13.5	10.3							<0.1	0/2	PM4/PM0
5.5	20.2	15.5	10.0							~0.1	70	I IVIT/I IVIU
<10	<100	<10	<10							<10	ug/ka	TM16/PM8
C	VJT 03/12/2015 Soil 2 04/12/2015 <0.1 <0.1 <0.2 <4 <7 11 <7 <26 <0.1 <0.1 <0.2 <4 <7 <1 < < < < < < < < <	VJT VJT 03/12/2015 Soil Soil 2 2 04/12/2015 04/12/2015 <	V J T V J T V J T 03/12/2015 03/12/2015 03/12/2015 Soil Soil Soil 2 2 2 04/12/2015 04/12/2015 04/12/2015 <0.1	V J T V J T V J T V J T V J T V J T O3/12/2015 O3/12/201	VJT VJT VJT VJT 03/12/2015 03/12/2015 03/12/2015 03/12/2015 Soil Soil Soil Soil 2 2 2 2 04/12/2015 04/12/2015 04/12/2015 04/12/2015 40/12/2015 04/12/2015 04/12/2015 04/12/2015 40/12/2015 04/12/2015 04/12/2015 04/12/2015 40/12/2015 04/12/2015 04/12/2015 04/12/2015 40/12/2015 04/12/2015 04/12/2015 04/12/2015 40/12/2015 04/12/2015 04/12/2015 04/12/2015 40/12/2015 04/12/2015 04/12/2015 04/12/2015 40/12/2015 04/12/2015 04/12/2015 04/12/2015 40/12/2015 04/12/2015 04/12/2015 04/12/2015 40/12/2015 04/12/2015 04/12/2015 04/12/2015 40/12/2015 04/12/2015 04/12/2015 04/12/2015 40/12/2015 04/12/2015 04/12/2015 04/12/2015 40/12/2015	VJT VJT VJT VJT VJT 03/12/2015 03/12/2015 03/12/2015 Soil Soil Soil Soil Soil 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	VJT VJT VJT VJT 03/12/2015 03/12/2015 03/12/2015 03/12/2015 Soil Soil Soil Soil 2 2 2 2 20/12/2015 04/12/2015 04/12/2015 04/12/2015 40/12/2015 04/12/2015 04/12/2015 04/12/2015 40/12/2015 04/12/2015 04/12/2015 04/12/2015 40/1 40/1 40/1 40/1 40/1 40/1 40/1 40/1 40/1 40/1 40/1 40/1 40/1 40/1 40/1 40/1 40/1 40/1 40/1 40/1 40/1 40/1 40/1 40/1 40/1 40/1 40/1 40/1 40/1 40/1 40/1 40/1 40/1 40/1 40/1 40/1 40/1 40/1 40/1 40/1 40/1 40/1 40/1 40/1 40/1	VJT VJT VJT VJT VJT O3/12/2015 03/12/2015 03/12/2015 03/12/2015 03/12/2015 03/12/2015 03/12/2015 03/12/2015 04	VJT VJT VJT VJT VJT 307122015 03712	VJT VJT VJT VJT VJT JT J	VJT	VJT VJT

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report : Solid

	10/1/020				 	 	 			
J E Sample No.	79-81	91-93	100-102	103-105						
Sample ID	BH111	BH108	BH108	BH108						
Depth	0.20-0.40	1.00	4.00	5.00				Please se	e attached n	otes for all
COC No / misc									ations and ad	
Containers	VJT	VJT	VJT	VJT						
Sample Date	03/12/2015	03/12/2015	03/12/2015	03/12/2015						
Sample Type	Soil	Soil	Soil	Soil						
Batch Number	2	2	2	2						Method
Date of Receipt	04/12/2015	04/12/2015	04/12/2015	04/12/2015				LOD/LOR	Units	No.
2-Nitrophenol	<10	<100 _{AA}	<10	<10				<10	ug/kg	TM16/PM8
2,4-Dichlorophenol	<10	<100 _{AA}	<10	<10				<10	ug/kg	TM16/PM8
2,4-Dimethylphenol	<10	<100 _{AA}	<10	<10				<10	ug/kg	TM16/PM8
2,4,5-Trichlorophenol	<10	<100 _{AA}	<10	<10				<10	ug/kg	TM16/PM8
2,4,6-Trichlorophenol	<10	<100 _{AA}	<10	<10				<10	ug/kg	TM16/PM8
4-Chloro-3-methylphenol	<10	<100 _{AA}	<10	<10				<10	ug/kg	TM16/PM8
4-Methylphenol	<10	<100 _{AA}	<10	<10				<10	ug/kg	TM16/PM8
4-Nitrophenol	<10	<100 _{AA}	<10	<10				<10	ug/kg	TM16/PM8
Pentachlorophenol	<10	<100 _{AA}	<10	<10				<10	ug/kg	TM16/PM8
Phenol	<10	<100 _{AA}	<10	<10				<10	ug/kg	TM16/PM8
Total Speciated Phenols MS	<10	<100 _{AA}	<10	<10				<10	ug/kg	TM16/PM8
Hexavalent Chromium #	<0.3	<0.3	<0.3	<0.3				<0.3	mg/kg	TM38/PM20
Chromium III	8.0	72.0	66.5	69.5				<0.5	mg/kg	NONE/NONE
									0 0	
Total Cyanide **M	<0.5	9.6	0.7	<0.5				<0.5	mg/kg	TM89/PM45
Total Organic Carbon #	0.08	11.89	1.24	0.14				<0.02	%	TM21/PM24
pH #M	8.43	8.48	8.82	8.67				<0.01	pH units	TM73/PM11
Sample Type	Clay	Loamy Sand		Sand					None	PM13/PM0
Sample Colour	Medium Brown	Dark Brown	Medium Brown						None	PM13/PM0
Other Items	mostly stones	brick	brick, stones	none					None	PM13/PM0
		<u>I</u>	<u>I</u>	<u>I</u>						

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report: CEN 10:1 1 Batch

								i		
J E Sample No.	79-81	91-93	100-102							
Sample ID	BH111	BH108	BH108							
Depth	0.20-0.40	1.00	4.00					Plaasa sa	e attached n	notes for all
COC No / misc									ations and a	
Containers	VJT	VJT	VJT							
Sample Date			03/12/2015							
Sample Type	Soil	Soil	Soil						1	
Batch Number	2	2	2					LOD/LOR	Units	Method
Date of Receipt	04/12/2015	04/12/2015	04/12/2015							No.
Dissolved Arsenic #	3.2	24.7	41.5					<2.5	ug/l	TM30/PM14
Dissolved Boron #	<12	13	15					<12	ug/l	TM30/PM14
Dissolved Chromium#	6.0	25.4	7.9					<1.5	ug/l	TM30/PM14
Dissolved Copper#	<7	<7	<7					<7	ug/l	TM30/PM14
Dissolved Lead #	<5	23	<5					<5	ug/l	TM30/PM14
Dissolved Mercury#	<1	<1	<1					<1	ug/l	TM30/PM14
Dissolved Nickel # Dissolved Selenium #	4 <3	6 <3	5 <3					<2 <3	ug/l ug/l	TM30/PM14 TM30/PM14
Dissolved Zinc #	6	9	6					<3	ug/l	TM30/PM14
Dissolved Zilic	0	3	o o					79	ug/i	TWOOT WITH
PAH MS										
Naphthalene	<0.1	<0.1	<0.1					<0.1	ug/l	TM4/PM30
Acenaphthylene	0.060	0.050	0.050					<0.013	ug/l	TM4/PM30
Acenaphthene	0.080	0.110	0.070					<0.013	ug/l	TM4/PM30
Fluorene	0.090	0.090	0.050					<0.014	ug/l	TM4/PM30
Phenanthrene	0.120	0.190	0.180					<0.011	ug/l	TM4/PM30
Anthracene	0.050	0.090	0.060					<0.013	ug/l	TM4/PM30
Fluoranthene	0.060	0.210	0.160					<0.012	ug/l	TM4/PM30
Pyrene	0.050	0.200	0.160					<0.013	ug/l	TM4/PM30
Benzo(a)anthracene	0.050	0.110	0.060					<0.015	ug/l	TM4/PM30
Chrysene	0.050	0.130	0.070					<0.011	ug/l	TM4/PM30
Benzo(bk)fluoranthene	0.070	0.210	0.050					<0.018	ug/l	TM4/PM30
Benzo(a)pyrene	0.030	0.140	0.020					<0.016	ug/l	TM4/PM30 TM4/PM30
Indeno(123cd)pyrene Dibenzo(ah)anthracene	0.020	0.080	<0.011 <0.01					<0.011 <0.01	ug/l	TM4/PM30
Benzo(ghi)perylene	0.020	0.090	<0.01					<0.01	ug/l ug/l	TM4/PM30
PAH 16 Total	0.770	1.730	0.930					<0.195	ug/l	TM4/PM30
Benzo(b)fluoranthene	0.05	0.15	0.04					<0.01	ug/l	TM4/PM30
Benzo(k)fluoranthene	0.02	0.06	0.01					<0.01	ug/l	TM4/PM30
PAH Surrogate % Recovery	77	77	74					<0	%	TM4/PM30
Methyl Tertiary Butyl Ether	<1	<1	<1					<1	ug/l	TM15/PM69
Benzene	<1	<1	<1					<1	ug/l	TM15/PM69
Toluene	<2	<2	<2					<2	ug/l	TM15/PM69
Ethylbenzene	<2	<2	<2					<2	ug/l	TM15/PM69
p/m-Xylene	<3	<3	<3					<3	ug/l	TM15/PM69
o-Xylene	<2	<2	<2					<2	ug/l	TM15/PM69
Surrogate Recovery Toluene D8	108	107	102					<0	%	TM15/PM69
Surrogate Recovery 4-Bromofluorobenzene	109	107	103					<0	%	TM15/PM69
		I		l	l		<u> </u>			

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report: CEN 10:1 1 Batch

JE JOD NO.:	15/1/326											
J E Sample No.	79-81	91-93	100-102									
Sample ID	BH111	BH108	BH108									
Depth	0.20-0.40	1.00	4.00									
COC No / misc											e attached nations and a	
Containers	VJT	VJT	VJT									
Sample Date	03/12/2015	03/12/2015	03/12/2015									
Sample Type	Soil	Soil	Soil									
Batch Number	2	2	2									Method
Date of Receipt	04/12/2015	04/12/2015	04/12/2015							LOD/LOR	Units	No.
TPH CWG												
Aliphatics												
>C5-C6	<5	<5	<5							<5	ug/l	TM36/PM69
>C6-C8	<5	<5	<5							<5	ug/l	TM36/PM69
>C8-C10	<5	<5	<5							<5	ug/l	TM36/PM69
>C10-C12	<5	<5	<5							<5	ug/l	TM5/PM30
>C12-C16	<10	<10	<10							<10	ug/l	TM5/PM30
>C16-C21	<10	<10	<10							<10	ug/l	TM5/PM30
>C21-C35	<10	<10	<10							<10	ug/l	TM5/PM30
>C35-C44	<10	<10	<10							<10	ug/l	TM5/PM30
Total aliphatics C5-44	<10	<10	<10							<10	ug/l	TM5/TM36/PM30/PM69
Aromatics												
>C5-EC7	<5	<5	<5							<5	ug/l	TM36/PM69
>EC7-EC8	<5	<5	<5							<5	ug/l	TM36/PM69
>EC8-EC10	<5	<5	<5							<5	ug/l	TM36/PM69
>EC10-EC12	<5	<5	<5							<5	ug/l	TM5/PM30
>EC12-EC16	<10	<10	<10							<10	ug/l	TM5/PM30
>EC16-EC21	<10	<10	<10							<10	ug/l	TM5/PM30
>EC21-EC35	<10	<10	<10							<10	ug/l	TM5/PM30
>EC35-EC44	<10	<10	<10							<10	ug/l	TM5/PM30
Total aromatics C5-44	<10	<10	<10							<10	ug/l	TM5/TM36/PM30/PM69
Total aliphatics and aromatics(C5-44)	<10	<10	<10							<10	ug/l	TM5/TM36/PM30/PM69
PCB 28	<0.1	<0.1	<0.1							<0.1	ug/l	TM17/PM30
PCB 52	<0.1	<0.1	<0.1							<0.1	ug/l	TM17/PM30
PCB 101	<0.1	<0.1	<0.1							<0.1	ug/l	TM17/PM30
PCB 118	<0.1	<0.1	<0.1							<0.1	ug/l	TM17/PM30
PCB 138	<0.1	<0.1	<0.1							<0.1	ug/l	TM17/PM30
PCB 153	<0.1	<0.1	<0.1							<0.1	ug/l	TM17/PM30
PCB 180	<0.1	<0.1	<0.1							<0.1	ug/l	TM17/PM30
Total 7 PCBs	<0.7	<0.7	<0.7							<0.7	ug/l	TM17/PM30
2-Chlorophenol	<0.5	<0.5	<0.5							<0.5	ug/l	TM16/PM30
2-Methylphenol	<0.5	<0.5	<0.5							<0.5	ug/l	TM16/PM30
2-Nitrophenol	<0.5	<0.5	<0.5							<0.5	ug/l	TM16/PM30
2,4-Dichlorophenol	<0.5	<0.5	<0.5							<0.5	ug/l	TM16/PM30
2,4-Dimethylphenol	<0.5	<0.5	<0.5							<0.5	ug/l	TM16/PM30
2,4,5-Trichlorophenol	<0.5	<0.5	<0.5							<0.5	ug/l	TM16/PM30
2,4,6-Trichlorophenol	<0.5	<0.5	<0.5							<0.5	ug/l	TM16/PM30
4-Chloro-3-methylphenol	<0.5	<0.5	<0.5							<0.5	ug/l	TM16/PM30
4-Methylphenol	<0.5	<0.5	<0.5							<0.5	ug/l	TM16/PM30
4-Nitrophenol	<0.5	<0.5	<0.5							<0.5	ug/l	TM16/PM30
Pentachlorophenol	<0.5	<0.5	<0.5							<0.5	ug/l	TM16/PM30
Phenol	<0.5	<0.5	<0.5	l	<u> </u>	<u> </u>	L	l	l	<0.5	ug/l	TM16/PM30

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report: CEN 10:1 1 Batch

JE JOD NO.:	15/1/326								
J E Sample No.	79-81	91-93	100-102						
Sample ID	BH111	BH108	BH108						
Depth	0.20-0.40	1.00	4.00				Diogeo eo	e attached n	otos for all
COC No / misc								ations and a	
Containers	VJT	VJT	VJT						
Sample Date	03/12/2015	03/12/2015	03/12/2015						
Sample Type	Soil	Soil	Soil						
Batch Number	2	2	2						Method
Date of Receipt	04/12/2015	04/12/2015	04/12/2015				LOD/LOR	Units	No.
Total Speciated Phenols MS	<6	<6	<6				<6	ug/l	TM16/PM30
Total Cyanide #	<0.01	0.08	<0.01				<0.01	mg/l	TM89/PM0
Mass of raw test portion	0.0989	0.111	0.1017					kg	NONE/PM17
Leachant Volume	0.891	0.879	0.888					I	NONE/PM17
Dissalved Chromium III	<0.006	<0.006	0.000				<0.006	ma/l	NONE/NONE
Dissolved Chromium III Dissolved Organic Carbon	<0.006 <2	<0.006	0.008				<0.006	mg/l	TM60/PM0
Hexavalent Chromium	0.006	0.020	<0.006				<0.006	mg/l mg/l	TM38/PM0
pH	7.57	7.94	8.61				<0.00	pH units	TM73/PM0
ριι	7.57	7.54	0.01				٧٥.٥١	pri unita	11017 3/1 1010

Client Name: Geotechnics

Reference: PN153428
Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

SVOC Report : Solid

JE Job No.:	15/17326										
J E Sample No.	79-81	91-93	100-102								
Sample ID	BH111	BH108	BH108								
Depth COC No / misc	0.20-0.40	1.00	4.00							e attached nations and a	
Containers	VJT	VJT	VJT								,
Sample Date	03/12/2015										
Sample Type	Soil	Soil	Soil								
Batch Number	2	2	2								Method
Date of Receipt	04/12/2015								LOD/LOR	Units	No.
SVOC MS											
Phenois											
2-Chlorophenol #M	<10	<100 _{AA}	<10						<10	ug/kg	TM16/PM8
2-Methylphenol	<10	<100 _{AA}	<10						<10	ug/kg	TM16/PM8
2-Nitrophenol	<10	<100 _{AA}	<10						<10	ug/kg	TM16/PM8
2,4-Dichlorophenol #M	<10	<100 _{AA}	<10						<10	ug/kg	TM16/PM8
2,4-Dimethylphenol	<10	<100 _{AA}	<10						<10	ug/kg	TM16/PM8
2,4,5-Trichlorophenol	<10	<100 _{AA}	<10						<10	ug/kg	TM16/PM8
2,4,6-Trichlorophenol	<10	<100 _{AA}	<10						<10	ug/kg	TM16/PM8
4-Chloro-3-methylphenol	<10	<100 _{AA}	<10						<10	ug/kg	TM16/PM8
4-Methylphenol	<10	<100 _{AA}	<10						<10	ug/kg	TM16/PM8
4-Nitrophenol	<10	<100 _{AA}	<10						<10	ug/kg	TM16/PM8
Pentachlorophenol	<10	<100 _{AA}	<10						<10	ug/kg	TM16/PM8
Phenol **M	<10	<100 _{AA}	<10						<10	ug/kg	TM16/PM8
PAHs											
2-Chloronaphthalene **M 2-Methylnaphthalene **M Phthalates	<10 <10	<100 _{AA}	<10 112						<10 <10	ug/kg ug/kg	TM16/PM8 TM16/PM8
Bis(2-ethylhexyl) phthalate	<100	<1000 _{AA}	<100						<100	ug/kg	TM16/PM8
Butylbenzyl phthalate	<100	<1000 _{AA}	<100						<100	ug/kg	TM16/PM8
Di-n-butyl phthalate	<100	<1000 _{AA}	<100						<100	ug/kg	TM16/PM8
Di-n-Octyl phthalate	<100	<1000 _{AA}	<100						<100	ug/kg	TM16/PM8
Diethyl phthalate	<100	<1000 _{AA}	<100						<100	ug/kg	TM16/PM8
Dimethyl phthalate #M	<100	<1000 _{AA}	<100						<100	ug/kg	TM16/PM8
Other SVOCs											
1,2-Dichlorobenzene	<10	<100 _{AA}	<10						<10	ug/kg	TM16/PM8
1,2,4-Trichlorobenzene #M	<10	<100 _{AA}	<10						<10	ug/kg	TM16/PM8
1,3-Dichlorobenzene 1,4-Dichlorobenzene	<10 <10	<100 _{AA}	<10 <10						<10 <10	ug/kg ug/kg	TM16/PM8 TM16/PM8
2-Nitroaniline	<10	<100 _{AA}	<10						<10	ug/kg ug/kg	TM16/PM8
2,4-Dinitrotoluene	<10	<100AA	<10						<10	ug/kg	TM16/PM8
2,6-Dinitrotoluene	<10	<100 _{AA}	<10						<10	ug/kg	TM16/PM8
3-Nitroaniline	<10	<100 _{AA}	<10						<10	ug/kg	TM16/PM8
4-Bromophenylphenylether #M	<10	<100 _{AA}	<10						<10	ug/kg	TM16/PM8
4-Chloroaniline	<10	<100 _{AA}	<10						<10	ug/kg	TM16/PM8
4-Chlorophenylphenylether	<10	<100 _{AA}	<10						<10	ug/kg	TM16/PM8
4-Nitroaniline	<10	<100 _{AA}	<10						<10	ug/kg	TM16/PM8
Azobenzene	<10	<100 _{AA}	<10						<10	ug/kg	TM16/PM8
Bis(2-chloroethoxy)methane	<10	<100 _{AA}	<10						<10	ug/kg	TM16/PM8
Bis(2-chloroethyl)ether	<10	<100 _{AA}	<10						<10	ug/kg	TM16/PM8
Carbazole	<10	<100 _{AA}	184						<10	ug/kg	TM16/PM8
Dibenzofuran #M	<10	<100 _{AA}	97						<10	ug/kg	TM16/PM8
Hexachlorobenzene #M	<10	<100 _{AA}	<10						<10	ug/kg	TM16/PM8
Hexachlorobutadiene #M	<10	<100 _{AA}	<10						<10	ug/kg	TM16/PM8
Hexachlorocyclopentadiene	<10	<100 _{AA}	<10						<10	ug/kg	TM16/PM8 TM16/PM8
Hexachloroethane Isophorone **M	<10 <10	<100 _{AA}	<10 <10						<10 <10	ug/kg ug/kg	TM16/PM8 TM16/PM8
N-nitrosodi-n-propylamine ***	<10	<100AA	<10						<10	ug/kg ug/kg	TM16/PM8
Nitrobenzene *M	<10	<100AA	<10						<10	ug/kg	TM16/PM8
Nitioberizerie	110	100AA	110						110	ug/kg	TIVITO/I IVIO
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Client Name: Geotechnics SVOC Report : CEN 10:1 1 Batch

Reference: PN153428
Location: Stockport Bus Station

Contact:

JE Job No.:	15/17326									
J E Sample No.	79-81	91-93	100-102							
Sample ID	BH111	BH108	BH108							
Depth COC No / misc	0.20-0.40	1.00	4.00						e attached nations and a	
Containers	VJT	VJT	VJT							
Sample Date		03/12/2015								
Sample Type Batch Number	Soil 2	Soil 2	Soil 2							Mathad
Date of Receipt	04/12/2015	04/12/2015	04/12/2015					LOD/LOR	Units	Method No.
SVOC MS	0 11 12/2010	0 11 12 12 10	0111212010							
Phenois										
2-Chlorophenol	<1	<1	<1					<1	ug/l	TM16/PM30
2-Methylphenol	<0.5	<0.5	<0.5					<0.5	ug/l	TM16/PM30
2-Nitrophenol	<0.5	<0.5	<0.5					<0.5	ug/l	TM16/PM30
2,4-Dichlorophenol	<0.5	<0.5	<0.5					<0.5	ug/l	TM16/PM30
2,4-Dimethylphenol 2,4,5-Trichlorophenol	<1 <0.5	<1 <0.5	<1 <0.5					<1 <0.5	ug/l ug/l	TM16/PM30 TM16/PM30
2,4,6-Trichlorophenol	<1	<1	<1					<1	ug/l	TM16/PM30
4-Chloro-3-methylphenol	<0.5	<0.5	<0.5					<0.5	ug/l	TM16/PM30
4-Methylphenol	<1	<1	<1					<1	ug/l	TM16/PM30
4-Nitrophenol	<10	<10	<10					<10	ug/l	TM16/PM30
Pentachlorophenol	<1	<1	<1					<1	ug/l	TM16/PM30
Phenol	<1	<1	<1					<1	ug/l	TM16/PM30
PAHs										T1440/D1400
2-Chloronaphthalene 2-Methylnaphthalene	<1 <1	<1 <1	<1 <1					<1 <1	ug/l ug/l	TM16/PM30 TM16/PM30
Phthalates								\ 1	ugn	TIVITO/FIVISO
Bis(2-ethylhexyl) phthalate	<5	<5	<5					<5	ug/l	TM16/PM30
Butylbenzyl phthalate	<1	<1	<1					<1	ug/l	TM16/PM30
Di-n-butyl phthalate	<1.5	<1.5	<1.5					<1.5	ug/l	TM16/PM30
Di-n-Octyl phthalate	<1	<1	<1					<1	ug/l	TM16/PM30
Diethyl phthalate	<1	<1	<1					<1	ug/l	TM16/PM30
Dimethyl phthalate	<1	<1	<1					<1	ug/l	TM16/PM30
Other SVOCs 1,2-Dichlorobenzene	<1	<1	<1					<1	ug/l	TM16/PM30
1,2,4-Trichlorobenzene	<1	<1	<1					<1	ug/l	TM16/PM30
1,3-Dichlorobenzene	<1	<1	<1					<1	ug/l	TM16/PM30
1,4-Dichlorobenzene	<1	<1	<1					<1	ug/l	TM16/PM30
2-Nitroaniline	<1	<1	<1					<1	ug/l	TM16/PM30
2,4-Dinitrotoluene	<0.5	<0.5	<0.5					<0.5	ug/l	TM16/PM30
2,6-Dinitrotoluene	<1	<1	<1					<1	ug/l	TM16/PM30
3-Nitroaniline	<1 <1	<1 <1	<1 <1					<1 <1	ug/l	TM16/PM30 TM16/PM30
4-Bromophenylphenylether 4-Chloroaniline	<1	<1	<1					<1	ug/l ug/l	TM16/PM30
4-Chlorophenylphenylether	<1	<1	<1					<1	ug/l	TM16/PM30
4-Nitroaniline	<0.5	<0.5	<0.5					<0.5	ug/l	TM16/PM30
Azobenzene	<0.5	<0.5	<0.5					<0.5	ug/l	TM16/PM30
Bis(2-chloroethoxy)methane	<0.5	<0.5	<0.5					<0.5	ug/l	TM16/PM30
Bis(2-chloroethyl)ether	<1	<1	<1					<1	ug/l	TM16/PM30
Carbazole	<0.5	<0.5	<0.5					<0.5	ug/l	TM16/PM30
Dibenzofuran Hexachlorobenzene	<0.5 <1	<0.5 <1	<0.5 <1					<0.5 <1	ug/l ug/l	TM16/PM30 TM16/PM30
Hexachlorobutadiene	<1	<1	<1					<1	ug/l	TM16/PM30
Hexachlorocyclopentadiene	<1	<1	<1					<1	ug/l	TM16/PM30
Hexachloroethane	<1	<1	<1					<1	ug/l	TM16/PM30
Isophorone	<0.5	<0.5	<0.5					<0.5	ug/l	TM16/PM30
N-nitrosodi-n-propylamine	<0.5	<0.5	<0.5					<0.5	ug/l	TM16/PM30
Nitrobenzene	<1	<1	<1					<1	ug/l	TM16/PM30
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Geotechnics Client Name:

PN153428 Reference: Stockport Bus Station Location:

Contact:

VOC Report : Solid

JE Job No.:	15/17326									
								ı		
J E Sample No.	79-81	91-93	100-102							
Sample ID	BH111	BH108	BH108							
Depth COC No / misc	0.20-0.40	1.00	4.00						e attached n ations and a	
Containers	VJT	VJT	VJT							
Sample Date	03/12/2015		03/12/2015							
Sample Type Batch Number	Soil 2	Soil 2	Soil 2							Method
Date of Receipt	04/12/2015							LOD/LOR	Units	No.
VOC MS										
Dichlorodifluoromethane	<2	<2	<2					<2	ug/kg	TM15/PM10
Methyl Tertiary Butyl Ether **	<6	<6	<6					<6	ug/kg	TM15/PM10
Chloromethane #	<3	<3	<3					<3	ug/kg	TM15/PM10
Vinyl Chloride Bromomethane	<2 <1	<2 <1	<2 <1					<2 <1	ug/kg ug/kg	TM15/PM10 TM15/PM10
Chloroethane #M	<6	<6	<6					<6	ug/kg ug/kg	TM15/PM10
Trichlorofluoromethane #M	<3	<3	<3					<3	ug/kg	TM15/PM10
1,1-Dichloroethene (1,1 DCE)#M	<6	<6	<6					<6	ug/kg	TM15/PM10
Dichloromethane (DCM)#	<7	100	32					<7	ug/kg	TM15/PM10
trans-1-2-Dichloroethene #	<3	<3	<3					<3	ug/kg	TM15/PM10
1,1-Dichloroethane #M cis-1-2-Dichloroethene #M	<6 <7	<6 <7	<6 <7					<6 <7	ug/kg ug/kg	TM15/PM10 TM15/PM10
2,2-Dichloropropane	<4	<4	<4					<4	ug/kg ug/kg	TM15/PM10
Bromochloromethane #M	<4	<4	<4					<4	ug/kg	TM15/PM10
Chloroform #M	<5	<5	<5					<5	ug/kg	TM15/PM10
1,1,1-Trichloroethane *M	<5	<5	<5					<5	ug/kg	TM15/PM10
1,1-Dichloropropene #	<3	<3	<3					<3	ug/kg	TM15/PM10
Carbon tetrachloride **M 1,2-Dichloroethane **M	<4 <5	<4 <5	<4 <5					<4 <5	ug/kg ug/kg	TM15/PM10 TM15/PM10
Benzene **M	<5 <5	<5 <5	<5 <5					<5 <5	ug/kg ug/kg	TM15/PM10
Trichloroethene (TCE) #M	<5	<5	<5					<5	ug/kg	TM15/PM10
1,2-Dichloropropane #M	<4	<4	<4					<4	ug/kg	TM15/PM10
Dibromomethane #M	<4	<4	<4					<4	ug/kg	TM15/PM10
Bromodichloromethane #M	<4	<4	<4					<4	ug/kg	TM15/PM10
cis-1-3-Dichloropropene	<4	<4	<4					<4	ug/kg	TM15/PM10 TM15/PM10
Toluene **M trans-1-3-Dichloropropene	<3 <3	<3 <3	<3 <3					<3 <3	ug/kg ug/kg	TM15/PM10
1,1,2-Trichloroethane *M	<4	<4	<4					<4	ug/kg	TM15/PM10
Tetrachloroethene (PCE)#	<3	<3	<3					<3	ug/kg	TM15/PM10
1,3-Dichloropropane #M	<4	<4	<4					<4	ug/kg	TM15/PM10
Dibromochloromethane #M	<5	<5	<5					<5	ug/kg	TM15/PM10
1,2-Dibromoethane # Chlorobenzene #M	<3 <4	<3 <4	<3 <4					<3 <4	ug/kg ug/kg	TM15/PM10 TM15/PM10
1,1,1,2-Tetrachloroethane **M	<5	<5	<5					<5	ug/kg ug/kg	TM15/PM10
Ethylbenzene #M	<3	<3	<3					<3	ug/kg	TM15/PM10
p/m-Xylene #M	<4	<4	<4					<4	ug/kg	TM15/PM10
o-Xylene #M	<4	<4	<4					<4	ug/kg	TM15/PM10
Styrene	<3	<3	<3					<3	ug/kg	TM15/PM10
Bromoform Isopropylbenzene #	<4 <3	<4 <3	<4 <3					<4 <3	ug/kg ug/kg	TM15/PM10 TM15/PM10
1,1,2,2-Tetrachloroethane **M	<3	<3	<3					<3	ug/kg ug/kg	TM15/PM10
Bromobenzene	<2	<2	<2					<2	ug/kg	TM15/PM10
1,2,3-Trichloropropane #M	<4	<4	<4					<4	ug/kg	TM15/PM10
Propylbenzene #	<4	<4	<4					<4	ug/kg	TM15/PM10
2-Chlorotoluene	<3	<3	<3					<3	ug/kg	TM15/PM10 TM15/PM10
1,3,5-Trimethylbenzene * 4-Chlorotoluene	<3 <3	<3 <3	<3 <3					<3 <3	ug/kg ug/kg	TM15/PM10 TM15/PM10
tert-Butylbenzene #	<5	<5	<5					<5 <5	ug/kg ug/kg	TM15/PM10
1,2,4-Trimethylbenzene #	<6	<6	<6					<6	ug/kg	TM15/PM10
sec-Butylbenzene#	<4	<4	<4					<4	ug/kg	TM15/PM10
4-Isopropyltoluene #	<4	<4	<4					<4	ug/kg	TM15/PM10
1,3-Dichlorobenzene #M	<4	<4	<4					<4	ug/kg	TM15/PM10
1,4-Dichlorobenzene # n-Butylbenzene #	<4 <4	<4 <4	<4 <4					<4 <4	ug/kg ug/kg	TM15/PM10 TM15/PM10
1,2-Dichlorobenzene #M	<4	<4	<4					<4	ug/kg ug/kg	TM15/PM10
1,2-Dibromo-3-chloropropane #	<4	<4	<4					<4	ug/kg	TM15/PM10
1,2,4-Trichlorobenzene #	<7	<7	<7					<7	ug/kg	TM15/PM10
Hexachlorobutadiene	<4	<4	<4					<4	ug/kg	TM15/PM10
Naphthalene #	<27	103	191					<27	ug/kg	TM15/PM10
1,2,3-Trichlorobenzene * Surrogate Recovery Toluene D8	<7 111	<7 101	<7 112					<7 <0	ug/kg %	TM15/PM10 TM15/PM10
Surrogate Recovery Toluene D8 Surrogate Recovery 4-Bromofluorobenzene	111	83	112					<0	%	TM15/PM10 TM15/PM10
	110	_ JJ	120	l		l .	l .	-0	/0	

Client Name: Geotechnics VOC Report : CEN 10:1 1 Batch

Reference: PN153428
Location: Stockport Bus Station

Contact:

JE Job No.:	15/17326											
J E Sample No.	79-81	91-93	100-102									
Sample ID	BH111	BH108	BH108									
Depth COC No / misc	0.20-0.40	1.00	4.00								e attached nations and a	
Containers	VJT	VJT	VJT									
Sample Date Sample Type	03/12/2015 Soil	03/12/2015 Soil	03/12/2015 Soil									
Batch Number	2	2	2							LOD/LOR	Units	Method
Date of Receipt	04/12/2015	04/12/2015	04/12/2015							LOD/LOR	UTILIS	No.
VOC MS												
Dichlorodifluoromethane Methyl Tertiary Butyl Ether	<2 <1	<2 <1	<2 <1							<2 <1	ug/l ug/l	TM15/PM69 TM15/PM69
Chloromethane	<3	<3	<3							<3	ug/l	TM15/PM69
Vinyl Chloride	<0.1	<0.1	<0.1							<0.1	ug/l	TM15/PM69
Bromomethane	<1	<1	<1							<1	ug/l	TM15/PM69
Chloroethane	<3	<3	<3							<3	ug/l	TM15/PM69
Trichlorofluoromethane 1,1-Dichloroethene (1,1 DCE)	<3 <3	<3 <3	<3 <3							<3 <3	ug/l ug/l	TM15/PM69 TM15/PM69
Dichloromethane (DCM)	<3	<3	<3							<3	ug/l	TM15/PM69
trans-1-2-Dichloroethene	<3	<3	<3							<3	ug/l	TM15/PM69
1,1-Dichloroethane	<3	<3	<3							<3	ug/l	TM15/PM69
cis-1-2-Dichloroethene	<3	<3	<3							<3	ug/l	TM15/PM69
2,2-Dichloropropane	<1	<1	<1							<1	ug/l	TM15/PM69 TM15/PM69
Bromochloromethane Chloroform	<2 <2	<2 <2	<2 <2							<2 <2	ug/l ug/l	TM15/PM69
1,1,1-Trichloroethane	<2	<2	<2							<2	ug/l	TM15/PM69
1,1-Dichloropropene	<3	<3	<3							<3	ug/l	TM15/PM69
Carbon tetrachloride	<2	<2	<2							<2	ug/l	TM15/PM69
1,2-Dichloroethane	<2 <1	<2	<2 <1							<2	ug/l	TM15/PM69
Benzene Trichloroethene (TCE)	<3	<1 <3	<3							<1 <3	ug/l ug/l	TM15/PM69 TM15/PM69
1,2-Dichloropropane	<2	<2	<2							<2	ug/l	TM15/PM69
Dibromomethane	<3	<3	<3							<3	ug/l	TM15/PM69
Bromodichloromethane	<2	<2	<2							<2	ug/l	TM15/PM69
cis-1-3-Dichloropropene	<2	<2	<2							<2	ug/l	TM15/PM69 TM15/PM69
Toluene trans-1-3-Dichloropropene	<2 <2	<2 <2	<2 <2							<2 <2	ug/l ug/l	TM15/PM69
1,1,2-Trichloroethane	<2	<2	<2							<2	ug/l	TM15/PM69
Tetrachloroethene (PCE)	<3	<3	<3							<3	ug/l	TM15/PM69
1,3-Dichloropropane	<2	<2	<2							<2	ug/l	TM15/PM69
Dibromochloromethane 1,2-Dibromoethane	<2 <2	<2 <2	<2 <2							<2 <2	ug/l ug/l	TM15/PM69 TM15/PM69
Chlorobenzene	<2	<2	<2							<2	ug/l	TM15/PM69
1,1,1,2-Tetrachloroethane	<2	<2	<2							<2	ug/l	TM15/PM69
Ethylbenzene	<2	<2	<2							<2	ug/l	TM15/PM69
p/m-Xylene	<3	<3	<3							<3	ug/l	TM15/PM69
o-Xylene Styrene	<2 <2	<2 <2	<2 <2							<2 <2	ug/l ug/l	TM15/PM69 TM15/PM69
Bromoform	<2	<2	<2							<2	ug/l	TM15/PM69
Isopropylbenzene	<3	<3	<3							<3	ug/l	TM15/PM69
1,1,2,2-Tetrachloroethane	<4	<4	<4							<4	ug/l	TM15/PM69
Bromobenzene	<2	<2	<2							<2	ug/l	TM15/PM69
1,2,3-Trichloropropane Propylbenzene	<3 <3	<3 <3	<3 <3							<3 <3	ug/l ug/l	TM15/PM69 TM15/PM69
2-Chlorotoluene	<3	<3	<3							<3	ug/l	TM15/PM69
1,3,5-Trimethylbenzene	<3	<3	<3							<3	ug/l	TM15/PM69
4-Chlorotoluene	<3	<3	<3							<3	ug/l	TM15/PM69
tert-Butylbenzene	<3	<3	<3							<3	ug/l	TM15/PM69
1,2,4-Trimethylbenzene sec-Butylbenzene	<3 <3	<3 <3	<3 <3							<3 <3	ug/l ug/l	TM15/PM69 TM15/PM69
4-Isopropyltoluene	<3	<3	<3							<3	ug/l	TM15/PM69
1,3-Dichlorobenzene	<3	<3	<3							<3	ug/l	TM15/PM69
1,4-Dichlorobenzene	<3	<3	<3							<3	ug/l	TM15/PM69
n-Butylbenzene	<3	<3	<3							<3	ug/l	TM15/PM69
1,2-Dichlorobenzene 1,2-Dibromo-3-chloropropane	<3 <2	<3 <2	<3 <2							<3 <2	ug/l ug/l	TM15/PM69 TM15/PM69
1,2,4-Trichlorobenzene	<3	<3	<3							<3	ug/l	TM15/PM69
Hexachlorobutadiene	<3	<3	<3							<3	ug/l	TM15/PM69
Naphthalene	<2	<2	<2							<2	ug/l	TM15/PM69
1,2,3-Trichlorobenzene	<3	<3	<3							<3	ug/l	TM15/PM69
Surrogate Recovery 1-Bromofluorobenzene	108	107	102							<0	%	TM15/PM69
Surrogate Recovery 4-Bromofluorobenzene	109	107	103	1	l	l	l	l	l	<0	%	TM15/PM69

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

Note:

Analysis was carried out in accordance with our documented in-house methods PM042 and TM065 and HSG 248 by Stereo and Polarised Light Microscopy using Dispersion Staining Techniques and is covered by our UKAS accreditation. Samples are retained for not less than 6 months from the date of analysis unless specifically requested.

Opinions lie outside the scope of our UKAS accreditation.

Where the sample is not taken by a Jones Environmental Laboratory consultant, Jones Environmental Laboratory cannot be responsible for inaccurate or unrepresentative sampling.

Any questionable sample will automatically be assumed to have breached the Waste Limit and further testing may be required.

Signed on behalf of Jones Environmental Laboratory:

Asbestos Team Leader

J E Job No.	Batch	Sample ID	Depth	J E Sample No.	Date Of Analysis	Analysis	Result
15/17326	2	BH111	0.20-0.40	80	23/12/2015	Mass of Dry Sample	43.2 (g)
					23/12/2015	General Description (Bulk Analysis)	Soil/Stone/Brick
					23/12/2015	Asbestos Containing Material	None
					23/12/2015	Asbestos Containing Material (2)	None
					23/12/2015	Asbestos Screen	NAD
					23/12/2015	Asbestos Screen (2)	NAD
					23/12/2015	Asbestos Level	NAD
					23/12/2015	Waste Limit	<0.1%
15/17326	2	BH108	1.00	92	23/12/2015	Mass of Dry Sample	49.0 (g)
					23/12/2015	General Description (Bulk Analysis)	Soil/Stone
					23/12/2015	Asbestos Containing Material	None
					23/12/2015	Asbestos Containing Material (2)	None
					23/12/2015	Asbestos Screen	NAD
					23/12/2015	Asbestos Screen (2)	NAD
					23/12/2015	Asbestos Level	NAD
					23/12/2015	Waste Limit	<0.1%
15/17326	2	BH108	4.00	101	23/12/2015	Mass of Dry Sample	47.4 (g)
					23/12/2015	General Description (Bulk Analysis)	Soil/Stone
					23/12/2015	Asbestos Containing Material	None
					23/12/2015	Asbestos Containing Material (2)	None
					23/12/2015	Asbestos Screen	NAD
					23/12/2015	Asbestos Screen (2)	NAD
					23/12/2015	Asbestos Level	NAD
					23/12/2015	Waste Limit	<0.1%

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

JE Job No.: 15/17326

SOILS

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCI (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 (UKAS) accreditation applies to surface water and groundwater and one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

DEVIATING SAMPLES

Samples must be received in a condition appropriate to the requested analyses. All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. If this is not the case you will be informed and any test results that may be compromised highlighted on your deviating samples report.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

DILUTIONS

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

NOTE

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a UKAS requirement for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.

Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

ABBREVIATIONS and ACRONYMS USED

ISO17025 (UKAS) accredited - UK. B Indicates analyte found in associated method blank. DR Dilution required. M MCERTS accredited. NA Not applicable NAD No Asbestos Detected. ND None Detected (usually refers to VOC and/SVOC TICs).
DR Dilution required. M MCERTS accredited. NA Not applicable NAD No Asbestos Detected. ND None Detected (usually refers to VOC and/SVOC TICs).
M MCERTS accredited. NA Not applicable NAD No Asbestos Detected. ND None Detected (usually refers to VOC and/SVOC TICs).
NA Not applicable NAD No Asbestos Detected. ND None Detected (usually refers to VOC and/SVOC TICs).
NAD No Asbestos Detected. ND None Detected (usually refers to VOC and/SVOC TICs).
ND None Detected (usually refers to VOC and/SVOC TICs).
NDD No Determination Provides
NDP No Determination Possible
SS Calibrated against a single substance
SV Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W Results expressed on as received basis.
+ AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
++ Result outside calibration range, results should be considered as indicative only and are not accredited.
* Analysis subcontracted to a Jones Environmental approved laboratory.
AD Samples are dried at 35°C ±5°C
CO Suspected carry over
LOD/LOR Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS
ME Matrix Effect
NFD No Fibres Detected
BS AQC Sample
LB Blank Sample
N Client Sample
TB Trip Blank Sample
OC Outside Calibration Range
AA x10 Dilution

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465 and BS1377.	PM0	No preparation is required.				
PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465 and BS1377.	PM0	No preparation is required.			AR	Yes
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.			AR	Yes
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.			AR	
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes	Yes	AR	Yes
TM5	Modified USEPA 8015B method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) with carbon banding within the range C8-C40 GC-FID.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	Yes
TM5	Modified USEPA 8015B method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) with carbon banding within the range C8-C40 GC-FID.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.	Yes	Yes	AR	Yes
TM5	Modified USEPA 8015B method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) with carbon banding within the range C8-C40 GC-FID.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.			AR	Yes

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM5/TM36	TM005: Modified USEPA 8015B. Determination of solvent Extractable Petroleum Hydrocarbons (EPH) including column fractionation in the carbon range of C10-35 into aliphatic and aromatic fractions by GC-FID. TM036: Modified USEPA 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C5-10 by headspace GC-FID.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	Yes
TM5/TM36	TM005: Modified USEPA 8015B. Determination of solvent Extractable Petroleum Hydrocarbons (EPH) including column fractionation in the carbon range of C10-35 into aliphatic and aromatic fractions by GC-FID. TM036: Modified USEPA 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C5-10 by headspace GC-FID.	PM30/PM69	PM030: Eluate samples are extracted with solvent using a magnetic stirrer to create a vortex.PM069: One part soil is mixed with 10 parts water in a vial leaving no headspace. The mixture is shaken and then left to leach for 24 hours before VOC analysis.			AR	Yes
PM13	A visual examination of the solid sample is carried out to ascertain sample make up, colour and any other inclusions. This is not a geotechnical description.	PM0	No preparation is required.			AR	
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes		AR	Yes
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes	Yes	AR	Yes
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM69	Modified BS EN 12457 method. One part soil is mixed with 10 parts water in a vial leaving no headspace. The mixture is shaken and then left to leach for 24 hours before VOC analysis.			AR	Yes
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM69	Modified BS EN 12457 method.One part soil is mixed with 10 parts water in a vial leaving no headspace. The mixture is shaken and then left to leach for 24 hours before VOC analysis.			AR	
TM16	Modified USEPA 8270. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.			AR	Yes
TM16	Modified USEPA 8270. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM16	Modified USEPA 8270. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes	Yes	AR	Yes
TM17	Modified US EPA method 8270. Determination of specific Polychlorinated Biphenyl congeners by GC-MS.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.			AR	Yes
TM17	Modified US EPA method 8270. Determination of specific Polychlorinated Biphenyl congeners by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM21	Modified USEPA 415.1. Determination of Total Organic Carbon or Total Carbon by combustion in an Eltra TOC furnace/analyser in the presence of oxygen. The CO2 generated is quantified using infra-red detection.	PM24	Dried and ground solid samples are washed with hydrochloric acid, then rinsed with deionised water to remove the mineral carbon before TOC analysis.	Yes		AD	Yes
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7	PM14	Analysis of waters and leachates for metals by ICP OES. Samples are filtered for dissolved metals and acidified if required.	Yes		AR	Yes
ТМ30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.			AD	Yes
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.	Yes	Yes	AD	Yes
TM31	Modified USEPA 8015B. Determination of Methyltertbutylether, Benzene, Toluene, Ethylbenzene and Xylene by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM31	Modified USEPA 8015B. Determination of Methyltertbutylether, Benzene, Toluene, Ethylbenzene and Xylene by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes		AR	Yes
TM36	Modified US EPA method 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM36	Modified US EPA method 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes	Yes	AR	Yes
TM36	Modified US EPA method 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID.	PM69	Modified BS EN 12457 method. One part soil is mixed with 10 parts water in a vial leaving no headspace. The mixture is shaken and then left to leach for 24 hours before VOC analysis.			AR	Yes
TM38	Soluble Ion analysis using the Thermo Aquakem Photometric Automatic Analyser. Modified US EPA methods 325.2, 375.4, 365.2, 353.1, 354.1	PM0	No preparation is required.			AR	Yes
TM38	Soluble Ion analysis using the Thermo Aquakem Photometric Automatic Analyser. Modified US EPA methods 325.2, 375.4, 365.2, 353.1, 354.1	PM20	Extraction of dried and ground samples with deionised water in a 2:1 water to solid ratio for anions. Extraction of as received samples with deionised water in a 2:1 water to solid ratio for ammoniacal nitrogen. Samples are extracted using an orbital shaker.	Yes		AR	Yes
TM60	Modified USEPA 9060. Determination of TOC by calculation from Total Carbon and Inorganic Carbon using a TOC analyser, the carbon in the sample is converted to CO2 and then passed through a non-dispersive infrared gas analyser (NDIR).	PM0	No preparation is required.			AR	Yes
TM65	Asbestos Bulk Identification method based on HSG 248.	PM42	Solid samples undergo a thorough visual inspection for asbestos fibres prior to asbestos identification using TM065.			AR	
TM65	Asbestos Bulk Identification method based on HSG 248.	PM42	Solid samples undergo a thorough visual inspection for asbestos fibres prior to asbestos identification using TM065.	Yes		AR	
TM73	Modified US EPA methods 150.1 and 9045D. Determination of pH by Metrohm automated probe analyser.	PM0	No preparation is required.			AR	Yes
TM73	Modified US EPA methods 150.1 and 9045D. Determination of pH by Metrohm automated probe analyser.	PM11	Extraction of as received solid samples using one part solid to 2.5 parts deionised water.	Yes	Yes	AR	No
TM74	Analysis of water soluble boron (20:1 extract) by ICP-OES.	PM32	Hot water soluble boron is extracted from dried and ground samples using a 20:1 ratio.	Yes	Yes	AD	Yes

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM89	Modified USEPA method OIA-1667. Determination of cyanide by Flow Injection Analyser.	PM0	No preparation is required.	Yes		AR	Yes
TM89	Modified USEPA method OIA-1667. Determination of cyanide by Flow Injection Analyser.	PM45	As received solid samples are extracted with 1M NaOH by orbital shaker for Cyanide and Thiocyanate analysis.	Yes	Yes	AR	Yes
NONE	No Method Code	NONE	No Method Code			AR	Yes
NONE	No Method Code	PM17	Modified method EN12457-2 As received solid samples are leached with water in a 10:1 water to soil ratio for 24 hours, the moisture content of the sample is included in the ratio.				
NONE	No Method Code	PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465 and BS1377.			AR	



Registered Address: Unit 3 Deeside Point, Zone 3, Deeside Industrial Park, Deeside, CH5 2UA. UK

Unit 3 Deeside Point

Zone 3

Deeside Industrial Park

Deeside CH5 2UA

Tel: +44 (0) 1244 833780 Fax: +44 (0) 1244 833781





Attention :

Geotechnics Unit 1B

River Lane Chester Cheshire CH4 8RJ

Borders Industrial Park

Date: 21st December, 2015

Your reference : PN153428

Our reference: Test Report 15/17326 Batch 3

Location : Stockport Bus Station

Date samples received : 7th December, 2015

Status: Final report

Issue:

Six samples were received for analysis on 7th December, 2015 of which two were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.

All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Compiled By:

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report : Solid

JE JOD NO.:	15/1/326								
J E Sample No.	130-132	136-138							
Sample ID	WS203	WS224							
Depth	0.50	0.20						e attached nations and a	
COC No / misc							abbievi	alions and a	Cionyms
Containers	VJT	VJT							
Sample Date	04/12/2015	04/12/2015							
Sample Type	Soil	Soil							
Batch Number	3	3							Method
Date of Receipt	07/12/2015	07/12/2015					LOD/LOR	Units	No.
Arsenic **M	8.1	13.4					<0.5	mg/kg	TM30/PM15
Cadmium #M	1.7	0.8					<0.1	mg/kg	TM30/PM15
Chromium #M	49.8	52.6					<0.5	mg/kg	TM30/PM15
Copper #M	34	44					<1	mg/kg	TM30/PM15
Lead #M	89	93					<5	mg/kg	TM30/PM15
Mercury #M	<0.1	0.2					<0.1	mg/kg	TM30/PM15
Nickel #M	12.6	15.3					<0.7	mg/kg	TM30/PM15
Selenium #M	<1	<1					<1	mg/kg	TM30/PM15
Vanadium	13	20					<1	mg/kg	TM30/PM15
Water Soluble Boron #M	0.7	0.3					<0.1	mg/kg	TM74/PM32
Zinc #M	197	139					<5	mg/kg	TM30/PM15
PAH MS	0.00	-0.04					-0.04		TN44/DN40
Naphthalene #M	3.00	<0.04					<0.04	mg/kg	TM4/PM8
Acenaphthylene Acenaphthene #M	0.32 0.47	<0.03 <0.05					<0.03 <0.05	mg/kg mg/kg	TM4/PM8 TM4/PM8
Fluorene #M	0.47	<0.03					<0.03	mg/kg	TM4/PM8
Phenanthrene *M	3.98	0.41					<0.03	mg/kg	TM4/PM8
Anthracene #	0.88	0.10					<0.04	mg/kg	TM4/PM8
Fluoranthene #M	3.73	0.76					<0.03	mg/kg	TM4/PM8
Pyrene #	3.26	0.67					<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene #	1.42	0.35					<0.06	mg/kg	TM4/PM8
Chrysene #M	1.66	0.42					<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #M	2.16	0.53					<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	1.49	0.32					<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene #M	0.82	0.20					<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	0.22	0.07					<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene * PAH 16 Total	0.72	0.18 4.0					<0.04 <0.6	mg/kg	TM4/PM8 TM4/PM8
Benzo(b)fluoranthene	24.8 1.56	0.38					<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	0.60	0.36					<0.03	mg/kg mg/kg	TM4/PM8
PAH Surrogate % Recovery	118	118					<0	%	TM4/PM8
1741 Garrogate 70 Necovery	110	110					-0	70	TIVI-77 IVIO
		<u> </u>							

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report : Solid

JE JOD NO.:	15/1/326										
J E Sample No.	130-132	136-138									
Sample ID	WS203	WS224									
Depth	0.50	0.20								e attached n	
COC No / misc									abbrevi	ations and a	cronyms
Containers	VJT	VJT									
	_										
Sample Date		04/12/2015									
Sample Type	Soil	Soil									
Batch Number	3	3							100/100	Units	Method
Date of Receipt	07/12/2015	07/12/2015							LOD/LOR	Units	No.
TPH CWG											
Aliphatics											
>C5-C6 *M	<0.1	<0.1							<0.1	mg/kg	TM36/PM12
>C6-C8 **M	<0.1	<0.1							<0.1	mg/kg	TM36/PM12
>C8-C10	<0.1	<0.1							<0.1	mg/kg	TM36/PM12
>C10-C12 **M	<0.2	<0.2							<0.2	mg/kg	TM5/PM16
>C12-C16 #M	<4	<4							<4	mg/kg	TM5/PM16
>C16-C21 #M	<7	<7							<7	mg/kg	TM5/PM16
>C21-C35 #M	<7	<7							<7	mg/kg	TM5/PM16
>C35-C44	<7	<7							<7	mg/kg	TM5/PM16
Total aliphatics C5-44	<26	<26							<26	mg/kg	TM5/TM36/PM16
Aromatics										99	
>C5-EC7	<0.1	<0.1							<0.1	mg/kg	TM36/PM12
>EC7-EC8	<0.1	<0.1							<0.1	mg/kg	TM36/PM12
>EC8-EC10 #M	<0.1	<0.1							<0.1	mg/kg	TM36/PM12
>EC10-EC12	<0.1	<0.1							<0.1	mg/kg	TM5/PM16
>EC12-EC16	<4	<4							<4	mg/kg	TM5/PM16
>EC16-EC21	<7	<7							<7	mg/kg	TM5/PM16
>EC21-EC35	<7	<7							<7	mg/kg	TM5/PM16
>EC35-EC44	<7	<7							<7	mg/kg	TM5/PM16
Total aromatics C5-44	<26	<26							<26	mg/kg	TM5/TM36/PM16
Total aliphatics and aromatics(C5-44)	<52	<52							<52	mg/kg	TM5/TM36/PM16
	-02	-02							-02	mg/kg	
MTBE#	<5	<5							<5	ug/kg	TM31/PM12
Benzene #	<5	<5							<5	ug/kg	TM31/PM12
Toluene #	<5	<5							<5	ug/kg	TM31/PM12
Ethylbenzene #	<5	<5							<5	ug/kg	TM31/PM12
m/p-Xylene #	<5	<5							<5	ug/kg	TM31/PM12
o-Xylene #	<5	<5							<5	ug/kg	TM31/PM12
o 74,10110									-	-5 5	
2-Chlorophenol	<10	<10							<10	ug/kg	TM16/PM8
										-55	
Natural Moisture Content	6.8	10.1							<0.1	%	PM4/PM0
									-		
2-Methylphenol	<10	<10							<10	ug/kg	TM16/PM8
2-Nitrophenol	<10	<10							<10	ug/kg	TM16/PM8
2,4-Dichlorophenol	<10	<10							<10	ug/kg	TM16/PM8
2,4-Dimethylphenol	<10	<10							<10	ug/kg	TM16/PM8
2,4,5-Trichlorophenol	<10	<10							<10	ug/kg	TM16/PM8
2,4,6-Trichlorophenol	<10	<10							<10	ug/kg	TM16/PM8
4-Chloro-3-methylphenol	<10	<10							<10	ug/kg	TM16/PM8
4-Methylphenol	<10	<10							<10	ug/kg	TM16/PM8
4-Nitrophenol	<10	<10							<10	ug/kg	TM16/PM8
Pentachlorophenol	<10	<10							<10		TM16/PM8
т спастиоторненог	\10	\10	<u> </u>	<u> </u>]	<u> </u>]	\10	ug/kg	TIVITO/FIVIO

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report : Solid

JE Job No.:	15/17326						_				
J E Sample No.	130-132	136-138									
Sample ID	WS203	WS224									
Danish	0.50	0.00									
Depth		0.20					Please see attached notes for a abbreviations and acronyms				
COC No / misc									,		
Containers		VJT									
Sample Date	04/12/2015	04/12/2015									
Sample Type	Soil	Soil									
Batch Number	3	3					LOD/LOR	Units	Method		
Date of Receipt	07/12/2015	07/12/2015					LODILOR	Office	No.		
Phenol	<10	<10					<10	ug/kg	TM16/PM8		
Total Speciated Phenols MS	<10	<10					<10	ug/kg	TM16/PM8		
Total Organic Carbon #	0.50	1.01					<0.02	%	TM21/PM24		
pH #M	8.95	7.89					<0.01	pH units	TM73/PM11		
Sample Type	Sand	Clayey Loam					3.31	None	PM13/PM0		
Sample Colour	Red	Dark Brown						None	PM13/PM0		
Other Items	stones	stones, brick fragments and vegetation						None	PM13/PM0		

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

Note:

Analysis was carried out in accordance with our documented in-house methods PM042 and TM065 and HSG 248 by Stereo and Polarised Light Microscopy using Dispersion Staining Techniques and is covered by our UKAS accreditation. Samples are retained for not less than 6 months from the date of analysis unless specifically requested.

Opinions lie outside the scope of our UKAS accreditation.

Where the sample is not taken by a Jones Environmental Laboratory consultant, Jones Environmental Laboratory cannot be responsible for inaccurate or unrepresentative sampling.

Any questionable sample will automatically be assumed to have breached the Waste Limit and further testing may be required.

Signed on behalf of Jones Environmental Laboratory:

Asbestos Team Leader

J E Job No.	Batch	Sample ID	Depth	J E Sample No.	Date Of Analysis	Analysis	Result
15/17326	3	WS203	0.50	131	11/12/2015	Mass of Dry Sample	50.8 (g)
					15/12/2015	General Description (Bulk Analysis)	soil/stones
					15/12/2015	Asbestos Containing Material	None
					15/12/2015	Asbestos Containing Material (2)	None
					15/12/2015	Asbestos Screen	NAD
					15/12/2015	Asbestos Screen (2)	NAD
					15/12/2015	Asbestos Level	NAD
					15/12/2015	Waste Limit	<0.1%
15/17326	3	WS224	0.20	137	11/12/2015	Mass of Dry Sample	46.8 (g)
					15/12/2015	General Description (Bulk Analysis)	soil/stones
					15/12/2015	Asbestos Containing Material	None
					15/12/2015	Asbestos Containing Material (2)	None
					15/12/2015	Asbestos Screen	NAD
					15/12/2015	Asbestos Screen (2)	NAD
					15/12/2015	Asbestos Level	NAD
					15/12/2015	Waste Limit	<0.1%

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

J E Job No.	Batch	Sample ID	Depth	J E Sample No.	Analysis	Reason					
	No deviating sample report results for job 15/17326										

Please note that only samples that are deviating are mentioned in this report. If no samples are listed it is because none were deviating. Only analyses which are accredited are recorded as deviating if set criteria are not met.

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

JE Job No.: 15/17326

SOILS

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCI (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 (UKAS) accreditation applies to surface water and groundwater and one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

DEVIATING SAMPLES

Samples must be received in a condition appropriate to the requested analyses. All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. If this is not the case you will be informed and any test results that may be compromised highlighted on your deviating samples report.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

DILUTIONS

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

NOTE

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a UKAS requirement for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.

Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

ABBREVIATIONS and ACRONYMS USED

# ISO17025 (UKAS) accredited - UK. B Indicates analyte found in associated method blank. DR Dilution required. M MCERTS accredited. NA Not applicable NAD No Asbestos Detected. ND None Detected (usually refers to VOC and/SVOC TICs). NDP No Determination Possible SS Calibrated against a single substance SV Surrogate recovery outside performance criteria. This may be due to a matrix effect. W Results expressed on as received basis. + AQC failure, accreditation has been removed from this result, if appropriate, see "Note" on previous page. ++ Result outside calibration range, results should be considered as indicative only and are not accredited. * Analysis subcontracted to a Jones Environmental approved laboratory. AD Samples are dried at 35°C ±5°C CO Suspected carry over LOD/LOR Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS ME Matrix Effect NFD No Fibres Detected BS AQC Sample Blank Sample Client Sample Tip Blank Sample Tip Blank Sample OC Outside Calibration Range		
DR Dilution required. M MCERTS accredited. NA Not applicable NAD No Asbestos Detected. ND None Detected (usually refers to VOC and/SVOC TICs). NDP No Determination Possible SS Calibrated against a single substance SV Surrogate recovery outside performance criteria. This may be due to a matrix effect. W Results expressed on as received basis. + AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page. ++ Result outside calibration range, results should be considered as indicative only and are not accredited. * Analysis subcontracted to a Jones Environmental approved laboratory. AD Samples are dried at 35°C ±5°C CO Suspected carry over LOD/LOR Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS ME Matrix Effect NFD No Fibres Detected BS AQC Sample LB Blank Sample TB Trip Blank Sample	#	ISO17025 (UKAS) accredited - UK.
M MCERTS accredited. NA Not applicable NAD No Asbestos Detected. ND None Detected (usually refers to VOC and/SVOC TICs). NDP No Determination Possible SS Calibrated against a single substance SV Surrogate recovery outside performance criteria. This may be due to a matrix effect. W Results expressed on as received basis. + AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page. ++ Result outside calibration range, results should be considered as indicative only and are not accredited. * Analysis subcontracted to a Jones Environmental approved laboratory. AD Samples are dried at 35°C ±5°C CO Suspected carry over LOD/LOR Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS ME Matrix Effect NFD No Fibres Detected BS AQC Sample LB Blank Sample N Client Sample Trip Blank Sample	В	Indicates analyte found in associated method blank.
NA Not applicable NAD No Asbestos Detected. ND None Detected (usually refers to VOC and/SVOC TICs). NDP No Determination Possible SS Calibrated against a single substance SV Surrogate recovery outside performance criteria. This may be due to a matrix effect. W Results expressed on as received basis. + AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page. ++ Result outside calibration range, results should be considered as indicative only and are not accredited. * Analysis subcontracted to a Jones Environmental approved laboratory. AD Samples are dried at 35°C ±5°C CO Suspected carry over LOD/LOR Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS ME Matrix Effect NFD No Fibres Detected BS AQC Sample LB Blank Sample N Client Sample Trip Blank Sample	DR	Dilution required.
NAD No Asbestos Detected. ND None Detected (usually refers to VOC and/SVOC TICs). NDP No Determination Possible SS Calibrated against a single substance SV Surrogate recovery outside performance criteria. This may be due to a matrix effect. W Results expressed on as received basis. + AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page. ++ Result outside calibration range, results should be considered as indicative only and are not accredited. * Analysis subcontracted to a Jones Environmental approved laboratory. AD Samples are dried at 35°C ±5°C CO Suspected carry over LOD/LOR Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS ME Matrix Effect NFD No Fibres Detected BS AQC Sample LB Blank Sample N Client Sample Trip Blank Sample	M	MCERTS accredited.
ND None Detected (usually refers to VOC and/SVOC TICs). NDP No Determination Possible SS Calibrated against a single substance SV Surrogate recovery outside performance criteria. This may be due to a matrix effect. W Results expressed on as received basis. + AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page. ++ Result outside calibration range, results should be considered as indicative only and are not accredited. * Analysis subcontracted to a Jones Environmental approved laboratory. AD Samples are dried at 35°C ±5°C CO Suspected carry over LOD/LOR Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS ME Matrix Effect NFD No Fibres Detected BS AQC Sample LB Blank Sample N Client Sample Trip Blank Sample	NA	Not applicable
NDP No Determination Possible SS Calibrated against a single substance SV Surrogate recovery outside performance criteria. This may be due to a matrix effect. W Results expressed on as received basis. + AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page. ++ Result outside calibration range, results should be considered as indicative only and are not accredited. * Analysis subcontracted to a Jones Environmental approved laboratory. AD Samples are dried at 35°C ±5°C CO Suspected carry over LOD/LOR Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS ME Matrix Effect NFD No Fibres Detected BS AQC Sample LB Blank Sample N Client Sample Trip Blank Sample	NAD	No Asbestos Detected.
SS Calibrated against a single substance SV Surrogate recovery outside performance criteria. This may be due to a matrix effect. W Results expressed on as received basis. + AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page. ++ Result outside calibration range, results should be considered as indicative only and are not accredited. * Analysis subcontracted to a Jones Environmental approved laboratory. AD Samples are dried at 35°C ±5°C CO Suspected carry over LOD/LOR Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS ME Matrix Effect NFD No Fibres Detected BS AQC Sample LB Blank Sample N Client Sample Trip Blank Sample	ND	None Detected (usually refers to VOC and/SVOC TICs).
SV Surrogate recovery outside performance criteria. This may be due to a matrix effect. W Results expressed on as received basis. + AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page. ++ Result outside calibration range, results should be considered as indicative only and are not accredited. * Analysis subcontracted to a Jones Environmental approved laboratory. AD Samples are dried at 35°C ±5°C CO Suspected carry over LOD/LOR Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS ME Matrix Effect NFD No Fibres Detected BS AQC Sample LB Blank Sample N Client Sample Trip Blank Sample	NDP	No Determination Possible
W Results expressed on as received basis. + AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page. ++ Result outside calibration range, results should be considered as indicative only and are not accredited. * Analysis subcontracted to a Jones Environmental approved laboratory. AD Samples are dried at 35°C ±5°C CO Suspected carry over LOD/LOR Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS ME Matrix Effect NFD No Fibres Detected BS AQC Sample LB Blank Sample N Client Sample Trip Blank Sample	SS	Calibrated against a single substance
+ AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page. ++ Result outside calibration range, results should be considered as indicative only and are not accredited. * Analysis subcontracted to a Jones Environmental approved laboratory. AD Samples are dried at 35°C ±5°C CO Suspected carry over LOD/LOR Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS ME Matrix Effect NFD No Fibres Detected BS AQC Sample LB Blank Sample N Client Sample TB Trip Blank Sample	SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
++ Result outside calibration range, results should be considered as indicative only and are not accredited. * Analysis subcontracted to a Jones Environmental approved laboratory. AD Samples are dried at 35°C ±5°C CO Suspected carry over LOD/LOR Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS ME Matrix Effect NFD No Fibres Detected BS AQC Sample LB Blank Sample N Client Sample TB Trip Blank Sample	W	Results expressed on as received basis.
* Analysis subcontracted to a Jones Environmental approved laboratory. AD Samples are dried at 35°C ±5°C CO Suspected carry over LOD/LOR Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS ME Matrix Effect NFD No Fibres Detected BS AQC Sample LB Blank Sample N Client Sample Trip Blank Sample	+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
An Samples are dried at 35°C ±5°C CO Suspected carry over LOD/LOR Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS ME Matrix Effect NFD No Fibres Detected BS AQC Sample LB Blank Sample N Client Sample TB Trip Blank Sample	++	Result outside calibration range, results should be considered as indicative only and are not accredited.
CO Suspected carry over LOD/LOR Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS ME Matrix Effect NFD No Fibres Detected BS AQC Sample LB Blank Sample N Client Sample TB Trip Blank Sample	*	Analysis subcontracted to a Jones Environmental approved laboratory.
LOD/LOR Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS ME Matrix Effect NFD No Fibres Detected BS AQC Sample LB Blank Sample N Client Sample TB Trip Blank Sample	AD	Samples are dried at 35°C ±5°C
ME Matrix Effect NFD No Fibres Detected BS AQC Sample LB Blank Sample N Client Sample TB Trip Blank Sample	СО	Suspected carry over
NFD No Fibres Detected BS AQC Sample LB Blank Sample N Client Sample TB Trip Blank Sample	LOD/LOR	Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS
BS AQC Sample LB Blank Sample N Client Sample TB Trip Blank Sample	ME	Matrix Effect
LB Blank Sample N Client Sample TB Trip Blank Sample	NFD	No Fibres Detected
N Client Sample TB Trip Blank Sample	BS	AQC Sample
TB Trip Blank Sample	LB	Blank Sample
	N	Client Sample
OC Outside Calibration Range	ТВ	Trip Blank Sample
	OC	Outside Calibration Range

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465 and BS1377.	PM0	No preparation is required.				
PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465 and BS1377.	PM0	No preparation is required.			AR	Yes
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes	Yes	AR	Yes
TM5	Modified USEPA 8015B method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) with carbon banding within the range C8-C40 GC-FID.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	Yes
TM5	Modified USEPA 8015B method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) with carbon banding within the range C8-C40 GC-FID.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.	Yes	Yes	AR	Yes
TM5/TM36	TM005: Modified USEPA 8015B. Determination of solvent Extractable Petroleum Hydrocarbons (EPH) including column fractionation in the carbon range of C10-35 into aliphatic and aromatic fractions by GC-FID. TM036: Modified USEPA 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C5-10 by headspace GC-FID.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	Yes
PM13	A visual examination of the solid sample is carried out to ascertain sample make up, colour and any other inclusions. This is not a geotechnical description.	PM0	No preparation is required.			AR	
TM16	Modified USEPA 8270. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM21	Modified USEPA 415.1. Determination of Total Organic Carbon or Total Carbon by combustion in an Eltra TOC furnace/analyser in the presence of oxygen. The CO2 generated is quantified using infra-red detection.	PM24	Dried and ground solid samples are washed with hydrochloric acid, then rinsed with deionised water to remove the mineral carbon before TOC analysis.	Yes		AD	Yes
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.			AD	Yes
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.	Yes	Yes	AD	Yes
TM31	Modified USEPA 8015B. Determination of Methyltertbutylether, Benzene, Toluene, Ethylbenzene and Xylene by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM31	Modified USEPA 8015B. Determination of Methyltertbutylether, Benzene, Toluene, Ethylbenzene and Xylene by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes		AR	Yes
TM36	Modified US EPA method 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM36	Modified US EPA method 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes	Yes	AR	Yes
TM65	Asbestos Bulk Identification method based on HSG 248.	PM42	Solid samples undergo a thorough visual inspection for asbestos fibres prior to asbestos identification using TM065.			AR	
TM65	Asbestos Bulk Identification method based on HSG 248.	PM42	Solid samples undergo a thorough visual inspection for asbestos fibres prior to asbestos identification using TM065.	Yes		AR	
TM73	Modified US EPA methods 150.1 and 9045D. Determination of pH by Metrohm automated probe analyser.	PM11	Extraction of as received solid samples using one part solid to 2.5 parts deionised water.	Yes	Yes	AR	No

Jones Environmental Laboratory

Method Code Appendix

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM74	Analysis of water soluble boron (20:1 extract) by ICP-OES.	PM32	Hot water soluble boron is extracted from dried and ground samples using a 20:1 ratio.	Yes	Yes	AD	Yes



Registered Address: Unit 3 Deeside Point, Zone 3, Deeside Industrial Park, Deeside, CH5 2UA. UK

Unit 3 Deeside Point

Zone 3

Deeside Industrial Park

Deeside CH5 2UA

Geotechnics
Unit 1B
Borders Industrial Park
River Lane
Chester
Cheshire
CH4 8RJ

Attention:

Date:

Tel: +44 (0) 1244 833780 Fax: +44 (0) 1244 833781





22nd December, 2015

Your reference : PN153428

Our reference : Test Report 15/17326 Batch 4

Location : Stockport Bus Station

Date samples received : 8th December, 2015

Status: Final report

Issue:

Four samples were received for analysis on 8th December, 2015 of which one were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.

All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Compiled By:

Client Name: Geotechnics
Reference: PN153428

Reference: PN153428
Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report : Solid

JE JOB NO.:	15/1/326							_		
J E Sample No.	148-150							Ì		
Sample ID	WS212									
Double	1.00									
Depth	1.00								e attached nations and a	
COC No / misc								abbievi	ations and a	Cionyma
Containers	VJT									
Sample Date	07/12/2015									
Sample Type	Soil									
Batch Number	4							LOD/LOR	Units	Method No.
Date of Receipt	08/12/2015									NO.
Arsenic *M	10.4							<0.5	mg/kg	TM30/PM15
Cadmium #M	<0.1							<0.1	mg/kg	TM30/PM15
Chromium #M	41.3							<0.5	mg/kg	TM30/PM15
Copper **M	46							<1	mg/kg	TM30/PM15
Lead #M	29							<5	mg/kg	TM30/PM15
Mercury *M	0.5							<0.1	mg/kg	TM30/PM15
Nickel #M	29.0							<0.7	mg/kg	TM30/PM15
Selenium *M	1							<1	mg/kg	TM30/PM15
Vanadium	35							<1	mg/kg	TM30/PM15
Water Soluble Boron ***	0.9							<0.1	mg/kg	TM74/PM32
Zinc #M	49							<5	mg/kg	TM30/PM15
Methyl Tertiary Butyl Ether #M	<6							<6	ug/kg	TM15/PM10
Benzene *M	6							<5	ug/kg	TM15/PM10
Toluene #M	21							<3	ug/kg	TM15/PM10
Ethylbenzene **M	14							<3	ug/kg	TM15/PM10
p/m-Xylene **M	36							<4	ug/kg	TM15/PM10
o-Xylene *M	20							<4	ug/kg	TM15/PM10
Surrogate Recovery Toluene D8	104							<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	104							<0	%	TM15/PM10
TPH CWG										
Aliphatics										
>C5-C6 #M	<0.1							<0.1	mg/kg	TM36/PM12
>C6-C8 #M	<0.1							<0.1	mg/kg	TM36/PM12
>C8-C10	0.3							<0.1	mg/kg	TM36/PM12
>C10-C12 #M	<0.2							<0.2	mg/kg	TM5/PM16
>C12-C16 #M	<4							<4	mg/kg	TM5/PM16
>C16-C21 #M	10							<7	mg/kg	TM5/PM16
>C21-C35 #M	43							<7	mg/kg	TM5/PM16
>C35-C44	<7							<7	mg/kg	TM5/PM16
Total aliphatics C5-44	53							<26	mg/kg	TM5/TM36/PM16
Aromatics										
>C5-EC7	<0.1							<0.1	mg/kg	TM36/PM12
>EC7-EC8	<0.1							<0.1	mg/kg	TM36/PM12
>EC8-EC10 #M	0.2							<0.1	mg/kg	TM36/PM12
>EC10-EC12	10.1							<0.2	mg/kg	TM5/PM16
>EC12-EC16	58							<4	mg/kg	TM5/PM16
>EC16-EC21	293							<7	mg/kg	TM5/PM16
>EC21-EC35	574							<7	mg/kg	TM5/PM16
>EC35-EC44	64							<7	mg/kg	TM5/PM16
Total aromatics C5-44	999							<26	mg/kg	TM5/TM36/PM16
Total aliphatics and aromatics(C5-44)	1052							<52	mg/kg	TM5/TM36/PM16
		l	1	1	1	1		1		1

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report : Solid

J E Sample No.	148-150							
Sample ID	WS212							
Depth	1.00					Please se	e attached n	otes for all
COC No / misc							ations and a	
Containers	VJT							
Sample Date	07/12/2015							
Sample Type	Soil							
Batch Number	4							Method
Date of Receipt	08/12/2015					LOD/LOR	Units	No.
MTBE#	<5					<5	ug/kg	TM31/PM12
Benzene #	12					<5	ug/kg	TM31/PM12
Toluene #	30					<5	ug/kg	TM31/PM12
Ethylbenzene #	24					<5	ug/kg	TM31/PM12
m/p-Xylene #	61					<5	ug/kg	TM31/PM12
o-Xylene #	47					<5	ug/kg	TM31/PM12
· · 4						_	_	
PCB 28#	<50 _{AA}					<5	ug/kg	TM17/PM8
PCB 52#	<50 _{AA}					<5	ug/kg	TM17/PM8
PCB 101 #	<50 _{AA}					<5	ug/kg	TM17/PM8
PCB 118 #	<50 _{AA}					<5	ug/kg	TM17/PM8
PCB 138 [#] PCB 153 [#]	<50 _{AA}					<5	ug/kg	TM17/PM8
	<50 _{AA}					<5	ug/kg	TM17/PM8
PCB 180 #	<50 _{AA}					<5	ug/kg	TM17/PM8
Total 7 PCBs #	<350 _{AA}					<35	ug/kg	TM17/PM8
2-Chlorophenol	<10					<10	ug/kg	TM16/PM8
Natural Moisture Content	7.2					<0.1	%	PM4/PM0
2-Methylphenol	<10					<10	ug/kg	TM16/PM8
2-Nitrophenol	<10					<10	ug/kg	TM16/PM8
2,4-Dichlorophenol	<10					<10	ug/kg	TM16/PM8
2,4-Dimethylphenol	<10					<10	ug/kg	TM16/PM8
2,4,5-Trichlorophenol	<10					<10	ug/kg	TM16/PM8
2,4,6-Trichlorophenol	<10					<10	ug/kg	TM16/PM8
4-Chloro-3-methylphenol 4-Methylphenol	<10 <10					<10 <10	ug/kg	TM16/PM8 TM16/PM8
	<10						ug/kg	TM16/PM8
4-Nitrophenol						<10	ug/kg	
Pentachlorophenol Phenol	<10 <10					<10 <10	ug/kg	TM16/PM8 TM16/PM8
Total Speciated Phenols MS	<10					<10	ug/kg ug/kg	TM16/PM8
Total Organic Carbon #	7.74					<0.02	%	TM21/PM24
pH ^{#M}	11.39					<0.01	pH units	TM73/PM11
Sample Type	Sand						None	PM13/PM0
Sample Colour	Green stones and brick fragments						None	PM13/PM0
Other Items	siunes and brick fragments						None	PM13/PM0
								1

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report: CEN 10:1 1 Batch

JE JOD NO.:	15/1/326									
J E Sample No.	148-150									
Sample ID	WS212									
Depth	1.00								e attached nations and a	
COC No / misc								abbievi	ations and a	Cionymis
Containers	VJT									
Sample Date	07/12/2015									
Sample Type	Soil									
Batch Number	4									
								LOD/LOR	Units	Method No.
Date of Receipt								.0.5		Th 400/Dh 44 4
Dissolved Arsenic #	2.7 <12							<2.5	ug/l	TM30/PM14 TM30/PM14
Dissolved Boron # Dissolved Cadmium #	<0.5							<12 <0.5	ug/l ug/l	TM30/PM14
Dissolved Cadmium Dissolved Chromium #	3.6							<1.5	ug/l	TM30/PM14
Dissolved Copper#	<7							<7	ug/l	TM30/PM14
Dissolved Lead #	<5							<5	ug/l	TM30/PM14
Dissolved Lead Dissolved Mercury #	<1							<1	ug/l	TM30/PM14
Dissolved Nickel #	<2							<2	ug/l	TM30/PM14
Dissolved Selenium #	<3							<3	ug/l	TM30/PM14
Dissolved Vanadium#	6.8							<1.5	ug/l	TM30/PM14
Dissolved Zinc #	<3							<3	ug/l	TM30/PM14
Methyl Tertiary Butyl Ether	<1							<1	ug/l	TM15/PM69
Benzene	<1							<1	ug/l	TM15/PM69
Toluene	<2							<2	ug/l	TM15/PM69
Ethylbenzene	<2							<2	ug/l	TM15/PM69
p/m-Xylene	<3							<3	ug/l	TM15/PM69
o-Xylene	<2							<2	ug/l	TM15/PM69
Surrogate Recovery Toluene D8	91							<0	%	TM15/PM69
Surrogate Recovery 4-Bromofluorobenzene	111							<0	%	TM15/PM69
TPH CWG										
Aliphatics										
>C5-C6	<5							<5	ug/l	TM36/PM69
>C6-C8	<5							<5	ug/l	TM36/PM69
>C8-C10	<5							<5	ug/l	TM36/PM69
>C10-C12	<5							<5	ug/l	TM5/PM30
>C12-C16	<10							<10	ug/l	TM5/PM30
>C16-C21	<10							<10	ug/l	TM5/PM30
>C21-C35	<10							<10	ug/l	TM5/PM30
>C35-C44	<10							<10	ug/l	TM5/PM30
Total aliphatics C5-44	<10							<10	ug/l	TM5/TM36/PM30/PM69
Aromatics										
>C5-EC7	<5							<5	ug/l	TM36/PM69
>EC7-EC8	<5							<5	ug/l	TM36/PM69
>EC8-EC10	<5 45							<5 <5	ug/l	TM36/PM69
>EC10-EC12	45							<5	ug/l	TM5/PM30
>EC12-EC16 >EC16-EC21	10 30							<10 <10	ug/l	TM5/PM30
>EC16-EC21 >EC21-EC35	30 <10							<10 <10	ug/l	TM5/PM30 TM5/PM30
>EC21-EC35 >EC35-EC44	<10							<10	ug/l ug/l	TM5/PM30
Total aromatics C5-44	85							<10	ug/l	TM5/TM36/PM30/PM69
Total aliphatics and aromatics(C5-44)	85							<10	ug/l	TM5/TM36/PM30/PM69
				1	l				-9	ı

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report: CEN 10:1 1 Batch

JE JOD NO.:	15/1/326							
J E Sample No.	148-150					İ		
Sample ID	WS212							
Depth	1.00							
COC No / misc							e attached ne ations and ac	
Containers	VJT							
Sample Date	07/12/2015							
Sample Type	Soil							
Batch Number	4							Method
Date of Receipt	08/12/2015					LOD/LOR	Units	No.
PCB 28	<0.1					<0.1	ug/l	TM17/PM30
PCB 52	<0.1					<0.1	ug/l	TM17/PM30
PCB 101	<0.1					<0.1	ug/l	TM17/PM30
PCB 118	<0.1					<0.1	ug/l	TM17/PM30
PCB 138	<0.1					<0.1	ug/l	TM17/PM30
PCB 153	<0.1					<0.1	ug/l	TM17/PM30
PCB 180	<0.1					<0.1	ug/l	TM17/PM30
Total 7 PCBs	<0.7					<0.7	ug/l	TM17/PM30
2-Chlorophenol	<0.5					<0.5	ug/l	TM16/PM30
2-Methylphenol	<0.5					<0.5	ug/l	TM16/PM30
2-Nitrophenol	<0.5 <0.5					<0.5	ug/l	TM16/PM30 TM16/PM30
2,4-Dichlorophenol 2,4-Dimethylphenol	<0.5					<0.5 <0.5	ug/l	TM16/PM30
2,4,5-Trichlorophenol	<0.5					<0.5	ug/l ug/l	TM16/PM30
2,4,6-Trichlorophenol	<0.5					<0.5	ug/l	TM16/PM30
4-Chloro-3-methylphenol	<0.5					<0.5	ug/l	TM16/PM30
4-Methylphenol	<0.5					<0.5	ug/l	TM16/PM30
4-Nitrophenol	<0.5					<0.5	ug/l	TM16/PM30
Pentachlorophenol	<0.5					<0.5	ug/l	TM16/PM30
Phenol	<0.5					<0.5	ug/l	TM16/PM30
Total Speciated Phenols MS	<6					<6	ug/l	TM16/PM30
Mass of raw test portion	0.0972						kg	NONE/PM17
Leachant Volume	0.892						1	NONE/PM17
Dissolved Organic Carbon	6					<2		TM60/PM0
рН	11.55					<0.01	pH units	TM73/PM0

Client Name: Geotechnics

Reference: PN153428
Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

SVOC Report : Solid

JE Job No.:	15/17326								
J E Sample No.	148-150								
Sample ID	WS212								
Depth	1.00						Please se	e attached n	otes for all
COC No / misc								ations and a	
Containers	VJT								
Sample Date	07/12/2015								
Sample Type	Soil								
Batch Number	4						LOD/LOR	Units	Method
Date of Receipt	08/12/2015						LOD/LOR	UTILS	No.
SVOC MS									
PhenoIs									
2-Chlorophenol #M	<10						<10	ug/kg	TM16/PM8
2-Methylphenol	<10						<10	ug/kg	TM16/PM8
2-Nitrophenol	<10						<10	ug/kg	TM16/PM8
2,4-Dichlorophenol #M	<10						<10	ug/kg	TM16/PM8
2,4-Dimethylphenol	<10						<10	ug/kg	TM16/PM8
2,4,5-Trichlorophenol	<10						<10	ug/kg	TM16/PM8
2,4,6-Trichlorophenol	<10						<10	ug/kg	TM16/PM8
4-Chloro-3-methylphenol	<10						<10	ug/kg	TM16/PM8
4-Methylphenol	<10						<10	ug/kg	TM16/PM8
4-Nitrophenol	<10						<10	ug/kg	TM16/PM8
Pentachlorophenol	<10						<10	ug/kg	TM16/PM8
Phenol *M	<10						<10	ug/kg	TM16/PM8
PAHs **M									
2-Chloronaphthalene #M	<10						<10	ug/kg	TM16/PM8
2-Methylnaphthalene #M	22027 _{AA}						<10	ug/kg	TM16/PM8
Naphthalene	48270 _{AA}						<10	ug/kg	TM16/PM8
Acenaphthylene	1602						<10	ug/kg	TM16/PM8
Acenaphthene	21107						<10	ug/kg	TM16/PM8
Fluorene	12684						<10	ug/kg	TM16/PM8
Phenanthrene *M	118064 _{AA}						<10	ug/kg	TM16/PM8
Anthracene #M	31551 _{AA}						<10	ug/kg	TM16/PM8
Fluoranthene ^{#M} Pyrene ^{#M}	122155 _{AA}						<10	ug/kg	TM16/PM8 TM16/PM8
	106556 _{AA} 35629 _{AA}						<10	ug/kg	TM16/PM8
Benzo(a)anthracene							<10	ug/kg	TM16/PM8
Chrysene Benzo(bk)fluoranthene	49125 _{AA}						<10 <10	ug/kg ug/kg	TM16/PM8
Benzo(a)pyrene	70633 _{AA} 37328 _{AA}						<10	ug/kg ug/kg	TM16/PM8
Indeno(123cd)pyrene	19577						<10	ug/kg ug/kg	TM16/PM8
Dibenzo(ah)anthracene	10099						<10	ug/kg ug/kg	TM16/PM8
Benzo(ghi)perylene	22950 _{AA}						<10	ug/kg	TM16/PM8
Benzo(b)fluoranthene	50856 _{AA}						<10	ug/kg	TM16/PM8
Benzo(k)fluoranthene	19777 _{AA}						<10	ug/kg	TM16/PM8
Phthalates	TOTTTAA						-10	ugritg	TIWITO/T IVIO
Bis(2-ethylhexyl) phthalate	<100						<100	ug/kg	TM16/PM8
Butylbenzyl phthalate	<100						<100	ug/kg	TM16/PM8
Di-n-butyl phthalate	<100						<100	ug/kg	TM16/PM8
Di-n-Octyl phthalate	<100						<100	ug/kg	TM16/PM8
Diethyl phthalate	<100						<100	ug/kg	TM16/PM8
Dimethyl phthalate #M	<100						<100	ug/kg	TM16/PM8
									<u> </u>
									<u> </u>
]]					

Client Name: Geotechnics

Reference: PN153428
Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

SVOC Report : Solid

JE Job No.:	15/17326										
J E Sample No.	148-150										
Sample ID	WS212										
Depth	1.00								Please se	e attached n	otes for all
COC No / misc										ations and ac	
Containers	VJT										
Sample Date	07/12/2015										
Sample Type	Soil										
Batch Number	4								LOD/LOR	Units	Method
Date of Receipt	08/12/2015										No.
SVOC MS											
Other SVOCs 1,2-Dichlorobenzene	<10								<10	ua/ka	TM16/PM8
1,2,4-Trichlorobenzene **M	<10								<10	ug/kg ug/kg	TM16/PM8
1,3-Dichlorobenzene	<10								<10	ug/kg	TM16/PM8
1,4-Dichlorobenzene	<10								<10	ug/kg	TM16/PM8
2-Nitroaniline	<10								<10	ug/kg	TM16/PM8
2,4-Dinitrotoluene	<10								<10	ug/kg	TM16/PM8
2,6-Dinitrotoluene	<10								<10	ug/kg	TM16/PM8
3-Nitroaniline	<10								<10	ug/kg	TM16/PM8
4-Bromophenylphenylether **M	<10								<10	ug/kg	TM16/PM8
4-Chloroaniline	<10								<10	ug/kg	TM16/PM8
4-Chlorophenylphenylether	<10								<10	ug/kg	TM16/PM8
4-Nitroaniline	<10								<10	ug/kg	TM16/PM8
Azobenzene	<10								<10	ug/kg	TM16/PM8
Bis(2-chloroethoxy)methane	<10								<10	ug/kg	TM16/PM8
Bis(2-chloroethyl)ether	<10								<10	ug/kg	TM16/PM8
Carbazole Dibenzofuran **M	10140 20120								<10 <10	ug/kg ug/kg	TM16/PM8 TM16/PM8
Hexachlorobenzene	<10								<10	ug/kg ug/kg	TM16/PM8
Hexachlorobutadiene #M	<10								<10	ug/kg	TM16/PM8
Hexachlorocyclopentadiene	<10								<10	ug/kg	TM16/PM8
Hexachloroethane	<10								<10	ug/kg	TM16/PM8
Isophorone #M	<10								<10	ug/kg	TM16/PM8
N-nitrosodi-n-propylamine **M	<10								<10	ug/kg	TM16/PM8
Nitrobenzene #M	<10								<10	ug/kg	TM16/PM8
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Geotechnics Client Name: SVOC Report : CEN 10:1 1 Batch

PN153428 Reference: Stockport Bus Station Location:

Contact:

JE Job No.:	15/17326							
J E Sample No.	148-150							
Sample ID	WS212							
Depth COC No / misc	1.00						e attached nations and a	
Containers	VJT							
Sample Date	07/12/2015							
Sample Type	Soil							
Batch Number	4					LOD/LOR	Units	Method No.
Date of Receipt SVOC MS	08/12/2015							NO.
Phenois								
2-Chlorophenol	<1					<1	ug/l	TM16/PM30
2-Methylphenol	<0.5					<0.5	ug/l	TM16/PM30
2-Nitrophenol	<0.5					<0.5	ug/l	TM16/PM30
2,4-Dichlorophenol	<0.5					<0.5	ug/l	TM16/PM30
2,4-Dimethylphenol	<1					<1	ug/l	TM16/PM30
2,4,5-Trichlorophenol	<0.5					<0.5	ug/l	TM16/PM30 TM16/PM30
2,4,6-Trichlorophenol 4-Chloro-3-methylphenol	<1 <0.5					<1 <0.5	ug/l ug/l	TM16/PM30
4-Methylphenol	<1					<1	ug/l	TM16/PM30
4-Nitrophenol	<10					<10	ug/l	TM16/PM30
Pentachlorophenol	<1					<1	ug/l	TM16/PM30
Phenol	<1					<1	ug/l	TM16/PM30
PAHs								<u> </u>
2-Chloronaphthalene	<1					<1	ug/l	TM16/PM30
2-Methylnaphthalene Naphthalene	4					<1 <1	ug/l ug/l	TM16/PM30 TM16/PM30
Acenaphthylene	<0.5					<0.5	ug/l	TM16/PM30
Acenaphthene	3					<1	ug/l	TM16/PM30
Fluorene	1.1					<0.5	ug/l	TM16/PM30
Phenanthrene	4.1					<0.5	ug/l	TM16/PM30
Anthracene	<0.5					<0.5	ug/l	TM16/PM30
Fluoranthene	1.2					<0.5	ug/l	TM16/PM30
Pyrene	<0.5					<0.5	ug/l	TM16/PM30 TM16/PM30
Benzo(a)anthracene Chrysene	<0.5 <0.5					<0.5 <0.5	ug/l ug/l	TM16/PM30
Benzo(bk)fluoranthene	<1					<1	ug/l	TM16/PM30
Benzo(a)pyrene	<1					<1	ug/l	TM16/PM30
Indeno(123cd)pyrene	<1					<1	ug/l	TM16/PM30
Dibenzo(ah)anthracene	<0.5					<0.5	ug/l	TM16/PM30
Benzo(ghi)perylene	<0.5					<0.5	ug/l	TM16/PM30
Phthalates						45	//	TM16/PM30
Bis(2-ethylhexyl) phthalate Butylbenzyl phthalate	<5 <1					<5 <1	ug/l ug/l	TM16/PM30
Di-n-butyl phthalate	<1.5					<1.5		TM16/PM30
Di-n-Octyl phthalate	<1					<1	ug/l	TM16/PM30
Diethyl phthalate	<1					<1	ug/l	TM16/PM30
Dimethyl phthalate	<1					<1	ug/l	TM16/PM30

Client Name: Geotechnics SVOC Report : CEN 10:1 1 Batch

Reference: PN153428
Location: Stockport Bus Station

Contact:

JE Job No.:	15/17326							
J E Sample No.	148-150							
Sample ID	WS212							
Depth	1.00						e attached n	
COC No / misc						abbrevi	ations and a	cronyms
Containers Sample Date	V J T 07/12/2015							
Sample Date Sample Type	Soil							
Batch Number	4							Method
Date of Receipt	08/12/2015					LOD/LOR	Units	No.
SVOC MS								
Other SVOCs								
1,2-Dichlorobenzene 1,2,4-Trichlorobenzene	<1 <1					<1 <1	ug/l	TM16/PM30 TM16/PM30
1,3-Dichlorobenzene	<1					<1	ug/l ug/l	TM16/PM30
1,4-Dichlorobenzene	<1					<1	ug/l	TM16/PM30
2-Nitroaniline	<1					<1	ug/l	TM16/PM30
2,4-Dinitrotoluene	<0.5					<0.5	ug/l	TM16/PM30
2,6-Dinitrotoluene	<1					<1	ug/l	TM16/PM30
Nitroaniline Heromophenylphenylether	<1 <1					<1 <1	ug/l ug/l	TM16/PM30 TM16/PM30
4-Chloroaniline	<1					<1	ug/l ug/l	TM16/PM30
4-Chlorophenylphenylether	<1					<1	ug/l	TM16/PM30
4-Nitroaniline	<0.5					<0.5	ug/l	TM16/PM30
Azobenzene	<0.5					<0.5	ug/l	TM16/PM30
Bis(2-chloroethoxy)methane	<0.5					<0.5	ug/l	TM16/PM30
Bis(2-chloroethyl)ether Carbazole	<1 8.0					<1 <0.5	ug/l	TM16/PM30 TM16/PM30
Dibenzofuran	1.8					<0.5	ug/l ug/l	TM16/PM30
Hexachlorobenzene	<1					<1	ug/l	TM16/PM30
Hexachlorobutadiene	<1					<1	ug/l	TM16/PM30
Hexachlorocyclopentadiene	<1					<1	ug/l	TM16/PM30
Hexachloroethane	<1					<1	ug/l	TM16/PM30
Isophorone	<0.5 <0.5					<0.5 <0.5	ug/l	TM16/PM30 TM16/PM30
N-nitrosodi-n-propylamine Nitrobenzene	<0.5					<0.5	ug/l ug/l	TM16/PM30
Mitobolizone							ugn	

Client Name: Geotechnics

Reference: PN153428
Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

VOC Report : Solid

JE Job No.:	15/17326										
J E Sample No.	148-150										
Sample ID	WS212										
Depth	1.00									e attached n	
COC No / misc									abbrevia	ations and a	cronyms
Containers	VJT										
Sample Date Sample Type	07/12/2015 Soil										
Batch Number	4										Method
Date of Receipt	08/12/2015								LOD/LOR	Units	No.
VOC MS											
Dichlorodifluoromethane	<2								<2	ug/kg	TM15/PM10
Methyl Tertiary Butyl Ether **	<6								<6	ug/kg	TM15/PM10
Chloromethane #	<3								<3	ug/kg	TM15/PM10
Vinyl Chloride Bromomethane	<2 <1								<2 <1	ug/kg ug/kg	TM15/PM10 TM15/PM10
Chloroethane #M	<6								<6	ug/kg ug/kg	TM15/PM10
Trichlorofluoromethane #M	<3								<3	ug/kg	TM15/PM10
1,1-Dichloroethene (1,1 DCE) #M	<6								<6	ug/kg	TM15/PM10
Dichloromethane (DCM)#	<7								<7	ug/kg	TM15/PM10
trans-1-2-Dichloroethene #	<3								<3	ug/kg	TM15/PM10
1,1-Dichloroethane **M cis-1-2-Dichloroethene **M	<6 <7								<6	ug/kg	TM15/PM10 TM15/PM10
2,2-Dichloropropane	<4								<7 <4	ug/kg ug/kg	TM15/PM10
Bromochloromethane **M	<4								<4	ug/kg	TM15/PM10
Chloroform *M	<5								<5	ug/kg	TM15/PM10
1,1,1-Trichloroethane #M	<5								<5	ug/kg	TM15/PM10
1,1-Dichloropropene #	<3								<3	ug/kg	TM15/PM10
Carbon tetrachloride #M	<4								<4	ug/kg	TM15/PM10
1,2-Dichloroethane **M Benzene **M	<5								<5	ug/kg	TM15/PM10
Trichloroethene (TCE) #M	6 <5								<5 <5	ug/kg ug/kg	TM15/PM10 TM15/PM10
1,2-Dichloropropane #M	<4								<4	ug/kg	TM15/PM10
Dibromomethane #M	<4								<4	ug/kg	TM15/PM10
Bromodichloromethane #M	<4								<4	ug/kg	TM15/PM10
cis-1-3-Dichloropropene	<4								<4	ug/kg	TM15/PM10
Toluene *M	21								<3	ug/kg	TM15/PM10
trans-1-3-Dichloropropene 1,1,2-Trichloroethane #M	<3 <4								<3 <4	ug/kg	TM15/PM10 TM15/PM10
Tetrachloroethene (PCE) #	<3								<3	ug/kg ug/kg	TM15/PM10
1,3-Dichloropropane **M	<4								<4	ug/kg	TM15/PM10
Dibromochloromethane #M	<5								<5	ug/kg	TM15/PM10
1,2-Dibromoethane#	<3								<3	ug/kg	TM15/PM10
Chlorobenzene #M	<4								<4	ug/kg	TM15/PM10
1,1,1,2-Tetrachloroethane #M	<5								<5	ug/kg	TM15/PM10 TM15/PM10
Ethylbenzene **M p/m-Xylene **M	14 36								<3 <4	ug/kg ug/kg	TM15/PM10
o-Xylene *M	20								<4	ug/kg	TM15/PM10
Styrene	<3								<3	ug/kg	TM15/PM10
Bromoform	<4								<4	ug/kg	TM15/PM10
Isopropylbenzene#	<3								<3	ug/kg	TM15/PM10
1,1,2,2-Tetrachloroethane **M	<3								<3	ug/kg	TM15/PM10
Bromobenzene 1,2,3-Trichloropropane **M	<2 <4								<2	ug/kg	TM15/PM10 TM15/PM10
1,2,3-Trichloropropane "" Propylbenzene #	<4 <4								<4 <4	ug/kg ug/kg	TM15/PM10 TM15/PM10
2-Chlorotoluene	<3								<3	ug/kg	TM15/PM10
1,3,5-Trimethylbenzene #	21								<3	ug/kg	TM15/PM10
4-Chlorotoluene	<3								<3	ug/kg	TM15/PM10
tert-Butylbenzene#	<5								<5	ug/kg	TM15/PM10
1,2,4-Trimethylbenzene #	54								<6	ug/kg	TM15/PM10
sec-Butylbenzene# 4-Isopropyltoluene#	<4 <4								<4 <4	ug/kg ug/kg	TM15/PM10 TM15/PM10
1,3-Dichlorobenzene #M	<4								<4	ug/kg ug/kg	TM15/PM10
1,4-Dichlorobenzene#	<4								<4	ug/kg	TM15/PM10
n-Butylbenzene#	<4								<4	ug/kg	TM15/PM10
1,2-Dichlorobenzene #M	<4								<4	ug/kg	TM15/PM10
1,2-Dibromo-3-chloropropane #	<4								<4	ug/kg	TM15/PM10
1,2,4-Trichlorobenzene #	<7								<7	ug/kg	TM15/PM10
Hexachlorobutadiene Naphthalene	<4 16882 ⁺⁺								<4 <27	ug/kg	TM15/PM10 TM15/PM10
1,2,3-Trichlorobenzene #	16882**								<2 <i>i</i>	ug/kg ug/kg	TM15/PM10
Surrogate Recovery Toluene D8	104								<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	104	 	<u> </u>		<u> </u>	<u> </u>	<u> </u>	<u> </u>	<0	%	TM15/PM10
											

Client Name: Geotechnics VOC Report : CEN 10:1 1 Batch

Reference: PN153428
Location: Stockport Bus Station

Contact:

JE Job No.:	15/17326								
J E Sample No.	148-150								
Sample ID	WS212								
Depth	1.00							e attached n	
COC No / misc							abbrevi	ations and a	cronyms
Containers Sample Date	V J T 07/12/2015								
Sample Type	Soil								
Batch Number	4						LOD/LOR	Units	Method
Date of Receipt	08/12/2015						LUD/LUR	Units	No.
VOC MS									
Dichlorodifluoromethane Methyl Tertiary Butyl Ether	<2 <1						<2 <1	ug/l	TM15/PM69 TM15/PM69
Chloromethane	<3						<3	ug/l ug/l	TM15/PM69
Vinyl Chloride	<0.1						<0.1	ug/l	TM15/PM69
Bromomethane	<1						<1	ug/l	TM15/PM69
Chloroethane	<3						<3	ug/l	TM15/PM69
Trichlorofluoromethane	<3 <3						<3	ug/l	TM15/PM69 TM15/PM69
1,1-Dichloroethene (1,1 DCE) Dichloromethane (DCM)	<3						<3 <3	ug/l ug/l	TM15/PM69
trans-1-2-Dichloroethene	<3						<3	ug/l	TM15/PM69
1,1-Dichloroethane	<3						<3	ug/l	TM15/PM69
cis-1-2-Dichloroethene	<3						<3	ug/l	TM15/PM69
2,2-Dichloropropane	<1						<1	ug/l	TM15/PM69 TM15/PM69
Bromochloromethane Chloroform	<2 <2						<2 <2	ug/l ug/l	TM15/PM69 TM15/PM69
1,1,1-Trichloroethane	<2						<2	ug/l	TM15/PM69
1,1-Dichloropropene	<3						<3	ug/l	TM15/PM69
Carbon tetrachloride	<2						<2	ug/l	TM15/PM69
1,2-Dichloroethane	<2 <1						<2	ug/l	TM15/PM69 TM15/PM69
Benzene Trichloroethene (TCE)	<3						<1 <3	ug/l ug/l	TM15/PM69
1,2-Dichloropropane	<2						<2	ug/l	TM15/PM69
Dibromomethane	<3						<3	ug/l	TM15/PM69
Bromodichloromethane	<2						<2	ug/l	TM15/PM69
cis-1-3-Dichloropropene	<2						<2	ug/l	TM15/PM69 TM15/PM69
Toluene trans-1-3-Dichloropropene	<2 <2						<2 <2	ug/l ug/l	TM15/PM69
1,1,2-Trichloroethane	<2						<2	ug/l	TM15/PM69
Tetrachloroethene (PCE)	<3						<3	ug/l	TM15/PM69
1,3-Dichloropropane	<2						<2	ug/l	TM15/PM69
Dibromochloromethane 1,2-Dibromoethane	<2 <2						<2 <2	ug/l ug/l	TM15/PM69 TM15/PM69
Chlorobenzene	<2						<2	ug/l	TM15/PM69
1,1,1,2-Tetrachloroethane	<2						<2	ug/l	TM15/PM69
Ethylbenzene	<2						<2	ug/l	TM15/PM69
p/m-Xylene	<3						<3	ug/l	TM15/PM69
o-Xylene Styrene	<2 <2						<2 <2	ug/l ug/l	TM15/PM69 TM15/PM69
Bromoform	<2						<2	ug/l	TM15/PM69
Isopropylbenzene	<3						<3	ug/l	TM15/PM69
1,1,2,2-Tetrachloroethane	<4						<4	ug/l	TM15/PM69
Bromobenzene	<2						<2	ug/l	TM15/PM69
1,2,3-Trichloropropane Propylbenzene	<3 <3						<3 <3	ug/l ug/l	TM15/PM69 TM15/PM69
2-Chlorotoluene	<3						<3	ug/l	TM15/PM69
1,3,5-Trimethylbenzene	<3						<3	ug/l	TM15/PM69
4-Chlorotoluene	<3						<3	ug/l	TM15/PM69
tert-Butylbenzene	<3						<3	ug/l	TM15/PM69
1,2,4-Trimethylbenzene sec-Butylbenzene	<3 <3						<3 <3	ug/l ug/l	TM15/PM69 TM15/PM69
4-Isopropyltoluene	<3						<3	ug/l	TM15/PM69
1,3-Dichlorobenzene	<3						<3	ug/l	TM15/PM69
1,4-Dichlorobenzene	<3						<3	ug/l	TM15/PM69
n-Butylbenzene	<3 <3						<3	ug/l	TM15/PM69
1,2-Dichlorobenzene 1,2-Dibromo-3-chloropropane	<3 <2						<3 <2	ug/l ug/l	TM15/PM69 TM15/PM69
1,2,4-Trichlorobenzene	<3						<3	ug/l	TM15/PM69
Hexachlorobutadiene	<3						<3	ug/l	TM15/PM69
Naphthalene	42						<2	ug/l	TM15/PM69
1,2,3-Trichlorobenzene	<3 91						<3 <0	ug/l %	TM15/PM69 TM15/PM69
Surrogate Recovery Toluene D8 Surrogate Recovery 4-Bromofluorobenzene	91 111						<0	%	TM15/PM69 TM15/PM69
Squite i receivery 4-bromonuorobenzene	111	l	 		 	 l	~0	/0	TIVITO/T IVIOS

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

JE Job No.: 15/17326

SOILS

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCI (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 (UKAS) accreditation applies to surface water and groundwater and one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

DEVIATING SAMPLES

Samples must be received in a condition appropriate to the requested analyses. All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. If this is not the case you will be informed and any test results that may be compromised highlighted on your deviating samples report.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

DILUTIONS

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

NOTE

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a UKAS requirement for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.

Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

ABBREVIATIONS and ACRONYMS USED

ISO17025 (UKAS) accredited - UK. B Indicates analyte found in associated method blank. DR Dilution required. M MCERTS accredited. NA Not applicable NAD No Asbestos Detected. ND None Detected (usually refers to VOC and/SVOC TICs).
DR Dilution required. M MCERTS accredited. NA Not applicable NAD No Asbestos Detected. ND None Detected (usually refers to VOC and/SVOC TICs).
M MCERTS accredited. NA Not applicable NAD No Asbestos Detected. ND None Detected (usually refers to VOC and/SVOC TICs).
NA Not applicable NAD No Asbestos Detected. ND None Detected (usually refers to VOC and/SVOC TICs).
NAD No Asbestos Detected. ND None Detected (usually refers to VOC and/SVOC TICs).
ND None Detected (usually refers to VOC and/SVOC TICs).
NDD No Determination Provides
NDP No Determination Possible
SS Calibrated against a single substance
SV Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W Results expressed on as received basis.
+ AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
++ Result outside calibration range, results should be considered as indicative only and are not accredited.
* Analysis subcontracted to a Jones Environmental approved laboratory.
AD Samples are dried at 35°C ±5°C
CO Suspected carry over
LOD/LOR Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS
ME Matrix Effect
NFD No Fibres Detected
BS AQC Sample
LB Blank Sample
N Client Sample
TB Trip Blank Sample
OC Outside Calibration Range
AA x10 Dilution

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465 and BS1377.	PM0	No preparation is required.				
TM5	Modified USEPA 8015B method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) with carbon banding within the range C8-C40 GC-FID.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	Yes
TM5	Modified USEPA 8015B method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) with carbon banding within the range C8-C40 GC-FID.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.	Yes	Yes	AR	Yes
TM5	Modified USEPA 8015B method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) with carbon banding within the range C8-C40 GC-FID.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.			AR	Yes
TM5/TM36	TM005: Modified USEPA 8015B. Determination of solvent Extractable Petroleum Hydrocarbons (EPH) including column fractionation in the carbon range of C10-35 into aliphatic and aromatic fractions by GC-FID. TM036: Modified USEPA 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C5-10 by headspace GC-FID.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	Yes
TM5/TM36	TM005: Modified USEPA 8015B. Determination of solvent Extractable Petroleum Hydrocarbons (EPH) including column fractionation in the carbon range of C10-35 into aliphatic and aromatic fractions by GC-FID. TM036: Modified USEPA 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C5-10 by headspace GC-FID.	PM30/PM69	PM030: Eluate samples are extracted with solvent using a magnetic stirrer to create a vortex.PM069: One part soil is mixed with 10 parts water in a vial leaving no headspace. The mixture is shaken and then left to leach for 24 hours before VOC analysis.			AR	Yes
PM13	A visual examination of the solid sample is carried out to ascertain sample make up, colour and any other inclusions. This is not a geotechnical description.	PM0	No preparation is required.			AR	
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes		AR	Yes
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes	Yes	AR	Yes

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM69	Modified BS EN 12457 method.One part soil is mixed with 10 parts water in a vial leaving no headspace. The mixture is shaken and then left to leach for 24 hours before VOC analysis.			AR	Yes
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM69	Modified BS EN 12457 method. One part soil is mixed with 10 parts water in a vial leaving no headspace. The mixture is shaken and then left to leach for 24 hours before VOC analysis.			AR	
TM16	Modified USEPA 8270. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.			AR	Yes
TM16	Modified USEPA 8270. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes
TM16	Modified USEPA 8270. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes	Yes	AR	Yes
TM17	Modified US EPA method 8270. Determination of specific Polychlorinated Biphenyl congeners by GC-MS.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.			AR	Yes
TM17	Modified US EPA method 8270. Determination of specific Polychlorinated Biphenyl congeners by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM21	Modified USEPA 415.1. Determination of Total Organic Carbon or Total Carbon by combustion in an Eltra TOC furnace/analyser in the presence of oxygen. The CO2 generated is quantified using infra-red detection.	PM24	Dried and ground solid samples are washed with hydrochloric acid, then rinsed with deionised water to remove the mineral carbon before TOC analysis.	Yes		AD	Yes
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7	PM14	Analysis of waters and leachates for metals by ICP OES. Samples are filtered for dissolved metals and acidified if required.	Yes		AR	Yes
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.			AD	Yes

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.	Yes	Yes	AD	Yes
TM31	Modified USEPA 8015B. Determination of Methyltertbutylether, Benzene, Toluene, Ethylbenzene and Xylene by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM31	Modified USEPA 8015B. Determination of Methyltertbutylether, Benzene, Toluene, Ethylbenzene and Xylene by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes		AR	Yes
TM36	Modified US EPA method 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM36	Modified US EPA method 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes	Yes	AR	Yes
TM36	Modified US EPA method 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID.	PM69	Modified BS EN 12457 method. One part soil is mixed with 10 parts water in a vial leaving no headspace. The mixture is shaken and then left to leach for 24 hours before VOC analysis.			AR	Yes
TM60	Modified USEPA 9060. Determination of TOC by calculation from Total Carbon and Inorganic Carbon using a TOC analyser, the carbon in the sample is converted to CO2 and then passed through a non-dispersive infrared gas analyser (NDIR).	PM0	No preparation is required.			AR	Yes
TM73	Modified US EPA methods 150.1 and 9045D. Determination of pH by Metrohm automated probe analyser.	PM0	No preparation is required.			AR	Yes
TM73	Modified US EPA methods 150.1 and 9045D. Determination of pH by Metrohm automated probe analyser.	PM11	Extraction of as received solid samples using one part solid to 2.5 parts deionised water.	Yes	Yes	AR	No
TM74	Analysis of water soluble boron (20:1 extract) by ICP-OES.	PM32	Hot water soluble boron is extracted from dried and ground samples using a 20:1 ratio.	Yes	Yes	AD	Yes

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
NONE	No Method Code	PM17	Modified method EN12457-2 As received solid samples are leached with water in a 10:1 water to soil ratio for 24 hours, the moisture content of the sample is included in the ratio.				
NONE	No Method Code	PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465 and BS1377.			AR	



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Attention :

Date: 21st December, 2015

Your reference : PN153428

Our reference : Test Report 15/17326 Batch 5

Location : Stockport Bus Station

Date samples received : 9th December, 2015

Status: Final report

Issue:

Twelve samples were received for analysis on 9th December, 2015 of which three were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.

All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Compiled By:

Client Name: Geotechnics
Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report : Solid

0L 00D NO	10/1/020			1			1				
J E Sample No.	169-171	175-177	181-183								
Sample ID	WS214	WS211	WS211								
Depth	0.50	0.20	1.00						Please se	e attached n	otes for all
COC No / misc										ations and a	
Containers	VJT	VJT	VJT								
Sample Date	08/12/2015	08/12/2015	08/12/2015								
Sample Type	Soil	Soil	Soil								
Batch Number	5	5	5								Mathad
Date of Receipt	09/12/2015	09/12/2015	09/12/2015						LOD/LOR	Units	Method No.
Arsenic #M	21.5	13.5	8.7						<0.5	mg/kg	TM30/PM15
Cadmium #M	0.3	0.2	<0.1						<0.1	mg/kg	TM30/PM15
Chromium #M	39.4	39.1	40.5						<0.5	mg/kg	TM30/PM15
Copper **M	79	114	37						<1	mg/kg	TM30/PM15
Lead #M	131	42	81						<5	mg/kg	TM30/PM15
Mercury *M	0.2	0.2	0.2						<0.1	mg/kg	TM30/PM15
Nickel *M	35.5	44.5	20.9						<0.7	mg/kg	TM30/PM15
Selenium *M	1	2	<1						<1	mg/kg	TM30/PM15
Vanadium	53	60	28						<1	mg/kg	TM30/PM15
Water Soluble Boron #M	0.8	0.9	0.9						<0.1	mg/kg	TM74/PM32
Zinc ^{#M}	131	104	32						<5	mg/kg	TM30/PM15
PAH MS											
Naphthalene #M	-	-	0.32						<0.04	mg/kg	TM4/PM8
Acenaphthylene	-	-	0.11						<0.03	mg/kg	TM4/PM8
Acenaphthene #M	-	-	0.35						<0.05	mg/kg	TM4/PM8
Fluorene #M	-	-	0.34						<0.04	mg/kg	TM4/PM8
Phenanthrene #M	-	-	2.55						<0.03	mg/kg	TM4/PM8
Anthracene #	-	-	0.64						<0.04	mg/kg	TM4/PM8
Fluoranthene #M	-	-	2.99						<0.03	mg/kg	TM4/PM8
Pyrene #	-	-	2.83						<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene#	-	-	1.38						<0.06	mg/kg	TM4/PM8
Chrysene #M	-	-	1.62						<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene ***	-	-	2.35						<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	-	-	1.73						<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene #M	-	-	1.20						<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	-	-	0.31						<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	-	-	0.84						<0.04	mg/kg	TM4/PM8
PAH 16 Total	-	-	19.6						<0.6	mg/kg	TM4/PM8
Benzo(b)fluoranthene	-	-	1.69						<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	-	-	0.66						<0.02	mg/kg	TM4/PM8
PAH Surrogate % Recovery	-	-	114						<0	%	TM4/PM8
Methyl Tertiary Butyl Ether ***	<6	<6	-						<6	ug/kg	TM15/PM10
Benzene #M	<5	<5	-						<5	ug/kg	TM15/PM10
Toluene #M	<3	15	-						<3	ug/kg	TM15/PM10
Ethylbenzene #M	15	42	-						<3	ug/kg	TM15/PM10
p/m-Xylene **M	14	37	-						<4	ug/kg	TM15/PM10
o-Xylene *M	7	19	-						<4	ug/kg	TM15/PM10
Surrogate Recovery Toluene D8	109	95	-						<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	87	81	-						<0	%	TM15/PM10
	-					•					

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report : Solid

JE Job No.:	15/17326								_		
J E Sample No.	169-171	175-177	181-183]		
Sample ID	WS214	WS211	WS211								
Donath	0.50	0.00	4.00								
Depth	0.50	0.20	1.00							e attached nations and a	
COC No / misc									d55.67.	a a a	o. o. ry riio
Containers	VJT	VJT	VJT								
Sample Date	08/12/2015	08/12/2015	08/12/2015								
Sample Type	Soil	Soil	Soil								
Batch Number	5	5	5								Madhad
Date of Receipt	00/12/2015	00/12/2015							LOD/LOR	Units	Method No.
TPH CWG	03/12/2013	03/12/2013	03/12/2013								
Aliphatics											
>C5-C6 #M	<0.1	<0.1	<0.1						<0.1	mg/kg	TM36/PM12
>C6-C8 #M	<0.1	<0.1	<0.1						<0.1	mg/kg	TM36/PM12
>C8-C10	<0.1	0.5	<0.1						<0.1	mg/kg	TM36/PM12
>C10-C12 #M	<0.2	5.2	<0.2						<0.2	mg/kg	TM5/PM16
>C12-C16 #M	<4	22	<4						<4	mg/kg	TM5/PM16
>C16-C21 #M	<7	62	<7						<7	mg/kg	TM5/PM16
>C21-C35 #M	13	197	<7						<7	mg/kg	TM5/PM16
>C35-C44	<7	23	<7						<7	mg/kg	TM5/PM16
Total aliphatics C5-44	<26	310	<26						<26	mg/kg	TM5/TM36/PM16
Aromatics									0.4		T1400/D1440
>C5-EC7	<0.1	<0.1	<0.1						<0.1	mg/kg	TM36/PM12
>EC7-EC8 >EC8-EC10 **M	<0.1 <0.1	<0.1 <0.1	<0.1 <0.1						<0.1 <0.1	mg/kg	TM36/PM12 TM36/PM12
>EC8-EC10 >EC10-EC12	1.7	14.9	0.9						<0.1	mg/kg mg/kg	TM5/PM16
>EC12-EC16	29	337	10						<4	mg/kg	TM5/PM16
>EC16-EC21	278	2009	54						<7	mg/kg	TM5/PM16
>EC21-EC35	665	3359	185						<7	mg/kg	TM5/PM16
>EC35-EC44	71	349	21						<7	mg/kg	TM5/PM16
Total aromatics C5-44	1045	6069	271						<26	mg/kg	TM5/TM36/PM16
Total aliphatics and aromatics(C5-44)	1045	6379	271						<52	mg/kg	TM5/TM36/PM16
MTBE#	_	_	<5						<5	ug/kg	TM31/PM12
Benzene #	-	-	<5						<5	ug/kg	TM31/PM12
Toluene #	-	-	<5						<5	ug/kg	TM31/PM12
Ethylbenzene #	-	-	<5						<5	ug/kg	TM31/PM12
m/p-Xylene #	-	-	<5						<5	ug/kg	TM31/PM12
o-Xylene [#]	-	-	<5						<5	ug/kg	TM31/PM12
#									_		T1 1 1 T 1 T 1 T 1 T 1 T 1 T 1 T 1 T 1
PCB 28 #	<25 _{AA}	<25 _{AA}	-						<5	ug/kg	TM17/PM8
PCB 52 # PCB 101 #	<25 _{AA}	<25 _{AA}	-						<5 <5	ug/kg ug/kg	TM17/PM8 TM17/PM8
PCB 118#	<25 _{AA}	<25 _{AA}	-						<5 <5	ug/kg	TM17/PM8
PCB 138#	<25 _{AA}	<25 _{AA}	-						<5 <5	ug/kg	TM17/PM8
PCB 153 #	<25 _{AA}	<25 _{AA}	-						<5	ug/kg	TM17/PM8
PCB 180 #	<25 _{AA}	<25 _{AA}	-						<5	ug/kg	TM17/PM8
Total 7 PCBs#	<175 _{AA}	<175 _{AA}	-						<35	ug/kg	TM17/PM8
2-Chlorophenol	<50 _{AA}	<100 _{AB}	<10						<10	ug/kg	TM16/PM8
Natural Moisture Content	19.9	15.4	13.4						<0.1	%	PM4/PM0
		45-								_	
2-Methylphenol	<50 _{AA}	<100 _{AB}	<10			<u> </u>	<u> </u>	<u> </u>	<10	ug/kg	TM16/PM8

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report : Solid

JE JOD NO.:	15/1/326						 		_		
J E Sample No.	169-171	175-177	181-183								
Sample ID	WS214	WS211	WS211								
Depth	0.50	0.20	1.00								
COC No / misc										e attached n ations and a	
Containers	VJT	VJT	VJT								
Sample Date											
Sample Type	Soil	Soil	Soil								
Batch Number	5	5	5						LOD/LOR	Units	Method
Date of Receipt	09/12/2015	09/12/2015	09/12/2015								No.
2-Nitrophenol	<50 _{AA}	<100 _{AB}	<10						<10	ug/kg	TM16/PM8
2,4-Dichlorophenol	<50 _{AA}	<100 _{AB}	<10						<10	ug/kg	TM16/PM8
2,4-Dimethylphenol	<50 _{AA}	<100 _{AB}	<10						<10	ug/kg	TM16/PM8
2,4,5-Trichlorophenol 2,4,6-Trichlorophenol	<50 _{AA}	<100 _{AB}	<10 <10						<10 <10	ug/kg ug/kg	TM16/PM8 TM16/PM8
4-Chloro-3-methylphenol	<50 _{AA}	<100AB	<10						<10	ug/kg	TM16/PM8
4-Methylphenol	<50 _{AA}	<100 _{AB}	<10						<10	ug/kg	TM16/PM8
4-Nitrophenol	<50 _{AA}	<100 _{AB}	<10						<10	ug/kg	TM16/PM8
Pentachlorophenol	<50 _{AA}	<100 _{AB}	<10						<10	ug/kg	TM16/PM8
Phenol	<50 _{AA}	<100 _{AB}	<10						<10	ug/kg	TM16/PM8
Total Speciated Phenols MS	<50 _{AA}	<100 _{AB}	<10						<10	ug/kg	TM16/PM8
pH #M	8.92	8.60	8.78 Cand						<0.01	pH units	TM73/PM11
Sample Type Sample Colour	Loam Dark Brown	Loam Black	Sand Medium Brown							None None	PM13/PM0 PM13/PM0
Other Items	stones and brick fragments	stones and brick fragments	stones and clinker							None	PM13/PM0
		1		ı.	ı.	ı		ı			

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report: CEN 10:1 1 Batch

JE JOD NO.:	15/1/326								
J E Sample No.	169-171	175-177							
Sample ID	WS214	WS211							
Depth	0.50	0.20						e attached n	
COC No / misc							abbrevi	ations and a	cronyms
Containers	VJT	VJT							
Sample Date	08/12/2015	08/12/2015							
Sample Type	Soil	Soil							
Batch Number	5	5					LOD/LOR	Units	Method No.
Date of Receipt	09/12/2015	09/12/2015							NO.
Dissolved Arsenic#	3.9	3.5					<2.5	ug/l	TM30/PM14
Dissolved Boron #	<12	12					<12	ug/l	TM30/PM14
Dissolved Cadmium #	<0.5	<0.5					<0.5	ug/l	TM30/PM14
Dissolved Chromium #	<1.5	<1.5					<1.5	ug/l	TM30/PM14
Dissolved Copper#	<7	<7					<7	ug/l	TM30/PM14
Dissolved Lead #	<5 <1	<5 <1					<5 <1	ug/l	TM30/PM14
Dissolved Mercury [#] Dissolved Nickel [#]	<2	<2					<2	ug/l ug/l	TM30/PM14
Dissolved Nickel* Dissolved Selenium#	<3	<3					<3	ug/l	TM30/PM14
Dissolved Vanadium #	5.2	3.5					<1.5	ug/l	TM30/PM14
Dissolved Zinc#	5	4					<3	ug/l	TM30/PM14
Biodolived Zillo	-	-					-	-9	
Methyl Tertiary Butyl Ether	<1	<1					<1	ug/l	TM15/PM69
Benzene	<1	<1					<1	ug/l	TM15/PM69
Toluene	<2	<2					<2	ug/l	TM15/PM69
Ethylbenzene	<2	<2					<2	ug/l	TM15/PM69
p/m-Xylene	<3	<3					<3	ug/l	TM15/PM69
o-Xylene	<2	<2					<2	ug/l	TM15/PM69
Surrogate Recovery Toluene D8	89	90					<0	%	TM15/PM69
Surrogate Recovery 4-Bromofluorobenzene	111	111					<0	%	TM15/PM69
TPH CWG									
Aliphatics									
>C5-C6	<5	<5					<5	ug/l	TM36/PM69
>C6-C8	<5	<5					<5	ug/l	TM36/PM69
>C8-C10	<5	<5					<5	ug/l	TM36/PM69
>C10-C12	<5	<5					<5	ug/l	TM5/PM30
>C12-C16	<10	<10					<10	ug/l	TM5/PM30
>C16-C21	<10	<10					<10	ug/l	TM5/PM30
>C21-C35	<10 <10	<10					<10	ug/l	TM5/PM30 TM5/PM30
>C35-C44 Total aliphatics C5-44	<10	<10 <10					<10 <10	ug/l ug/l	TM5/PM30
Aromatics Aromatics	~10	~10					~10	ug/i	
>C5-EC7	<5	<5					<5	ug/l	TM36/PM69
>EC7-EC8	<5	<5					<5	ug/l	TM36/PM69
>EC8-EC10	<5	<5					<5	ug/l	TM36/PM69
>EC10-EC12	<5	<5					<5	ug/l	TM5/PM30
>EC12-EC16	<10	<10					<10	ug/l	TM5/PM30
>EC16-EC21	<10	<10					<10	ug/l	TM5/PM30
>EC21-EC35	<10	<10					<10	ug/l	TM5/PM30
>EC35-EC44	<10	<10					<10	ug/l	TM5/PM30
Total aromatics C5-44	<10	<10					<10	ug/l	TM5/TM36/PM30/PM69
Total aliphatics and aromatics(C5-44)	<10	<10					<10	ug/l	TM5/TM36/PM30/PM69

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report: CEN 10:1 1 Batch

02 00B NO.:	10/1/020		 	 	 	 	-		
J E Sample No.	169-171	175-177							
Sample ID	WS214	WS211							
Depth	0.50	0.20					Please se	e attached n	otes for all
COC No / misc								ations and a	
Containers	VJT	VJT							
Sample Date									
Sample Type	Soil	Soil					<u> </u>		
Batch Number	5	5					LOD/LOR	Units	Method No.
Date of Receipt	09/12/2015	09/12/2015							
PCB 28	<0.1	<0.1					<0.1	ug/l	TM17/PM30
PCB 52	<0.1	<0.1					<0.1	ug/l	TM17/PM30
PCB 101	<0.1	<0.1					<0.1	ug/l	TM17/PM30
PCB 118	<0.1	<0.1					<0.1	ug/l	TM17/PM30
PCB 138	<0.1	<0.1					<0.1	ug/l	TM17/PM30
PCB 153	<0.1	<0.1					<0.1	ug/l	TM17/PM30
PCB 180	<0.1	<0.1					<0.1	ug/l	TM17/PM30
Total 7 PCBs	<0.7	<0.7					<0.7	ug/l	TM17/PM30
2-Chlorophenol	<0.5	<10.0 _{AC}					<0.5	ug/l	TM16/PM30
2-Methylphenol	<0.5	<10.0 _{AC}					<0.5	ug/l	TM16/PM30
2-Nitrophenol	<0.5	<10.0 _{AC}					<0.5	ug/l	TM16/PM30
2,4-Dichlorophenol	<0.5	<10.0 _{AC}					<0.5	ug/l	TM16/PM30
2,4-Dimethylphenol	<0.5	<10.0 _{AC}					<0.5	ug/l	TM16/PM30
2,4,5-Trichlorophenol	<0.5	<10.0 _{AC}					<0.5	ug/l	TM16/PM30
2,4,6-Trichlorophenol	<0.5	<10.0 _{AC}					<0.5	ug/l	TM16/PM30
4-Chloro-3-methylphenol	<0.5	<10.0 _{AC}					<0.5	ug/l	TM16/PM30
4-Methylphenol	<0.5	<10.0 _{AC}					<0.5	ug/l	TM16/PM30
4-Nitrophenol	<0.5	<10.0 _{AC}					<0.5	ug/l	TM16/PM30
Pentachlorophenol	<0.5	<10.0 _{AC}					<0.5	ug/l	TM16/PM30
Phenol	<0.5	<10.0 _{AC}					<0.5	ug/l	TM16/PM30
Total Speciated Phenols MS	<6	<120 _{AC}					<6	ug/l	TM16/PM30
рН	8.51	8.45					<0.01	pH units	TM73/PM0
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Client Name: Geotechnics

Reference: PN153428
Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

SVOC Report : Solid

JE Job No.:	15/17326											
J E Sample No.	169-171	175-177										
•												
Sample ID	WS214	WS211										
Sample ID	W3214	W3211										
Depth	0.50	0.20									e attached n	
COC No / misc										apprevia	ations and a	cronyms
Containers	VJT	VJT										
Sample Date	08/12/2015	08/12/2015										
Sample Type	Soil	Soil										
Batch Number	5	5								LOD/LOR	Units	Method
Date of Receipt	09/12/2015	09/12/2015								LOD/LOIK	Offico	No.
SVOC MS												
PhenoIs												
2-Chlorophenol #M	<50 _{AA}	<100 _{AB}								<10	ug/kg	TM16/PM8
2-Methylphenol	<50 _{AA}	<100 _{AB}								<10	ug/kg	TM16/PM8
2-Nitrophenol	<50 _{AA}	<100 _{AB}								<10	ug/kg	TM16/PM8
2,4-Dichlorophenol *M	<50 _{AA}	<100 _{AB}								<10	ug/kg	TM16/PM8
2,4-Dimethylphenol	<50 _{AA}	<100 _{AB}								<10	ug/kg	TM16/PM8
2,4,5-Trichlorophenol	<50 _{AA}	<100 _{AB}								<10	ug/kg	TM16/PM8
2,4,6-Trichlorophenol	<50 _{AA}	<100 _{AB}								<10	ug/kg	TM16/PM8
4-Chloro-3-methylphenol	<50 _{AA}	<100 _{AB}								<10	ug/kg	TM16/PM8
4-Methylphenol	<50 _{AA}	<100 _{AB}								<10	ug/kg	TM16/PM8
4-Nitrophenol	<50 _{AA}	<100AB								<10	ug/kg	TM16/PM8
Pentachlorophenol	<50 _{AA}	<100 _{AB}								<10	ug/kg	TM16/PM8
Phenol **M	<50AA	<100AB								<10	ug/kg ug/kg	TM16/PM8
PAHs	-JUAA	-100AB								-10	agring	10/1 1010
2-Chloronaphthalene #M	<50 _{AA}	<100 _{AB}								<10	ug/kg	TM16/PM8
2-Chloronaphthalene 2-Methylnaphthalene #M	3980 _{AA}	10161 _{AB}								<10	ug/kg ug/kg	TM16/PM8
Naphthalene	5203 _{AA}	10622 _{AB}								<10	ug/kg	TM16/PM8
Acenaphthylene	1741 _{AA}	1247 _{AB}								<10	ug/kg	TM16/PM8
Acenaphthene	9362 _{AA}	29474 _{AB}								<10	ug/kg	TM16/PM8
Fluorene	6617 _{AA}	19594 _{AB}								<10	ug/kg	TM16/PM8
Phenanthrene *M	47351 _{AA}	113512 _{AB}								<10	ug/kg	TM16/PM8
Anthracene	16806 _{AA}	45769 _{AB}								<10	ug/kg	TM16/PM8
Fluoranthene #M	67768 _{AA}	150983 _{AB}								<10	ug/kg	TM16/PM8
Pyrene **M	72016 _{AA}	162309 _{AB}								<10	ug/kg ug/kg	TM16/PM8
Benzo(a)anthracene	24742 _{AA}									<10	ug/kg ug/kg	TM16/PM8
Chrysene	23796 _{AA}	66628 _{AB}								<10	ug/kg	TM16/PM8
Benzo(bk)fluoranthene	49549 _{AA}									<10	ug/kg ug/kg	TM16/PM8
Benzo(a)pyrene	28052 _{AA}	115256 _{AB} 66178 _{AB}								<10	ug/kg ug/kg	TM16/PM8
	13125 _{AA}									<10		TM16/PM8
Indeno(123cd)pyrene Dibenzo(ah)anthracene	6540 _{AA}	30102 _{AB}								<10	ug/kg	TM16/PM8
Benzo(ghi)perylene	15607 _{AA}	8891 _{AB}								<10	ug/kg	TM16/PM8
Benzo(b)fluoranthene	35675 _{AA}	32523 _{AB} 82984 _{AB}								<10	ug/kg ug/kg	TM16/PM8
Benzo(k)fluoranthene	13874 _{AA}	32272 _{AB}								<10	ug/kg ug/kg	TM16/PM8
Phthalates	1307-TAA	JZZ/ZAB								110	ug/kg	TIVITO/I IVIO
Bis(2-ethylhexyl) phthalate	<500 _{AA}	<1000 _{AB}								<100	ug/kg	TM16/PM8
Butylbenzyl phthalate	<500AA	<1000 _{AB}								<100	ug/kg	TM16/PM8
Di-n-butyl phthalate	<500 _{AA}	<1000 _{AB}								<100	ug/kg	TM16/PM8
Di-n-Octyl phthalate	<500AA	<1000 _{AB}								<100	ug/kg	TM16/PM8
Diethyl phthalate	<500 _{AA}	<1000 _{AB}								<100	ug/kg	TM16/PM8
Dimethyl phthalate **M	<500AA	<1000 _{AB}								<100	ug/kg ug/kg	TM16/PM8
Dimetryi primaiate	-000да	TOOOAB								-100	ug/kg	. 141 1 3/1 1410
-		•	•	•	•	•	•	•	•			

Client Name: Geotechnics

Reference: PN153428
Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

SVOC Report : Solid

JE Job No.:	15/17326								
J E Sample No.	169-171	175-177							
·									
Sample ID	WS214	WS211							
Depth	0.50	0.20					Please se	e attached n	otes for all
COC No / misc								ations and a	
Containers	VJT	VJT							
Sample Date	08/12/2015	08/12/2015							
Sample Type	Soil	Soil							
Batch Number	5	5					LOD/LOR	Units	Method
Date of Receipt	09/12/2015	09/12/2015							No.
SVOC MS Other SVOCs									
1,2-Dichlorobenzene	<50 _{AA}	<100 _{AB}					<10	ug/kg	TM16/PM8
1,2,4-Trichlorobenzene **M	<50 _{AA}	<100 _{AB}					<10	ug/kg	TM16/PM8
1,3-Dichlorobenzene	<50 _{AA}	<100 _{AB}					<10	ug/kg	TM16/PM8
1,4-Dichlorobenzene	<50 _{AA}	<100 _{AB}					<10	ug/kg	TM16/PM8
2-Nitroaniline	<50 _{AA}	<100 _{AB}					<10	ug/kg	TM16/PM8
2,4-Dinitrotoluene	<50 _{AA}	<100 _{AB}					<10	ug/kg	TM16/PM8
2,6-Dinitrotoluene	<50 _{AA}	<100 _{AB}					<10	ug/kg	TM16/PM8
3-Nitroaniline	<50 _{AA}	<100 _{AB}					<10	ug/kg	TM16/PM8
4-Bromophenylphenylether **M	<50 _{AA}	<100 _{AB}					<10	ug/kg	TM16/PM8
4-Chloroaniline	<50 _{AA}	<100 _{AB}					<10	ug/kg	TM16/PM8 TM16/PM8
4-Chlorophenylphenylether 4-Nitroaniline	<50 _{AA}	<100 _{AB}					<10 <10	ug/kg ug/kg	TM16/PM8 TM16/PM8
Azobenzene	<50 _{AA}	<100 _{AB}					<10	ug/kg ug/kg	TM16/PM8
Bis(2-chloroethoxy)methane	<50 _{AA}	<100AB					<10	ug/kg ug/kg	TM16/PM8
Bis(2-chloroethyl)ether	<50 _{AA}	<100 _{AB}					<10	ug/kg	TM16/PM8
Carbazole	3472 _{AA}	6378 _{AB}					<10	ug/kg	TM16/PM8
Dibenzofuran #M	4577 _{AA}	13379 _{AB}					<10	ug/kg	TM16/PM8
Hexachlorobenzene	<50 _{AA}	<100 _{AB}					<10	ug/kg	TM16/PM8
Hexachlorobutadiene #M	<50 _{AA}	<100 _{AB}					<10	ug/kg	TM16/PM8
Hexachlorocyclopentadiene	<50 _{AA}	<100 _{AB}					<10	ug/kg	TM16/PM8
Hexachloroethane #M	<50 _{AA}	<100 _{AB}					<10	ug/kg	TM16/PM8
Isophorone #M	<50 _{AA}	<100 _{AB}					<10	ug/kg	TM16/PM8
N-nitrosodi-n-propylamine *** Nitrobenzene ***	<50 _{AA}	<100 _{AB}					<10 <10	ug/kg ug/kg	TM16/PM8 TM16/PM8
Surrogate Recovery 2-Fluorobiphenyl	105 _{AA}	85 _{AB}					<0	%	TM16/PM8
Surrogate Recovery p-Terphenyl-d14	116 _{AA}	103 _{AB}					<0	%	TM16/PM8
	- 70	, AB							
									-

Client Name: Geotechnics SVOC Report : CEN 10:1 1 Batch

Reference: PN153428
Location: Stockport Bus Station

Contact:

JE Job No.:	15/17326									
J E Sample No.	169-171	175-177								
Sample ID	WS214	WS211								
Depth	0.50	0.20						Please se	e attached n	otes for all
COC No / misc								abbrevia	ations and a	cronyms
Containers	VJT	VJT								
Sample Date		08/12/2015								
Sample Type Batch Number	Soil 5	Soil 5								Madead
Date of Receipt								LOD/LOR	Units	Method No.
SVOC MS	00/12/2010	00/12/2010								
Phenois										
2-Chlorophenol	<1	<20 _{AC}						<1	ug/l	TM16/PM30
2-Methylphenol	<0.5	<10.0 _{AC}						<0.5	ug/l	TM16/PM30
2-Nitrophenol	<0.5	<10.0 _{AC}						<0.5	ug/l	TM16/PM30
2,4-Dichlorophenol	<0.5	<10.0 _{AC}						<0.5	ug/l	TM16/PM30
2,4-Dimethylphenol	<1	<20 _{AC}						<1	ug/l	TM16/PM30
2,4,5-Trichlorophenol	<0.5 <1	<10.0 _{AC}						<0.5	ug/l	TM16/PM30 TM16/PM30
2,4,6-Trichlorophenol 4-Chloro-3-methylphenol	<0.5	<20 _{AC}						<1 <0.5	ug/l ug/l	TM16/PM30
4-Methylphenol	<1	<20 _{AC}						<1	ug/l	TM16/PM30
4-Nitrophenol	<10	<200 _{AC}						<10	ug/l	TM16/PM30
Pentachlorophenol	<1	<20 _{AC}						<1	ug/l	TM16/PM30
Phenol	<1	<20 _{AC}						<1	ug/l	TM16/PM30
PAHs										
2-Chloronaphthalene	<1	<20 _{AC}						<1	ug/l	TM16/PM30
2-Methylnaphthalene	<1	<20 _{AC}						<1	ug/l	TM16/PM30
Naphthalene	<1	<20 _{AC}						<1	ug/l	TM16/PM30
Acenaphthylene	<0.5 <1	<10.0 _{AC}						<0.5	ug/l	TM16/PM30 TM16/PM30
Acenaphthene Fluorene	<0.5	23 _{AC}						<1 <0.5	ug/l ug/l	TM16/PM30
Phenanthrene	<0.5	11.2 _{AC} 47.7 _{AC}						<0.5	ug/l	TM16/PM30
Anthracene	<0.5	13.5 _{AC}						<0.5	ug/l	TM16/PM30
Fluoranthene	1.1	54.9 _{AC}						<0.5	ug/l	TM16/PM30
Pyrene	1.3	62.3 _{AC}						<0.5	ug/l	TM16/PM30
Benzo(a)anthracene	<0.5	24.7 _{AC}						<0.5	ug/l	TM16/PM30
Chrysene	<0.5	27.8 _{AC}						<0.5	ug/l	TM16/PM30
Benzo(bk)fluoranthene	<1	57 _{AC}						<1	ug/l	TM16/PM30
Benzo(a)pyrene	1	38 _{AC}						<1	ug/l	TM16/PM30
Indeno(123cd)pyrene Dibenzo(ah)anthracene	<1 <0.5	20 _{AC}						<1 <0.5	ug/l ug/l	TM16/PM30 TM16/PM30
Benzo(ghi)perylene	<0.5	<10.0 _{AC}						<0.5	ug/l	TM16/PM30
Phthalates	0.0	20.1AC						0.0	ug.	
Bis(2-ethylhexyl) phthalate	<5	<100 _{AC}						<5	ug/l	TM16/PM30
Butylbenzyl phthalate	<1	<20 _{AC}						<1	ug/l	TM16/PM30
Di-n-butyl phthalate	<1.5	<30.0 _{AC}						<1.5	ug/l	TM16/PM30
Di-n-Octyl phthalate	<1	<20 _{AC}						<1	ug/l	TM16/PM30
Diethyl phthalate	<1	<20 _{AC}						<1	ug/l	TM16/PM30
Dimethyl phthalate	<1	<20 _{AC}						<1	ug/l	TM16/PM30
	1	1	1		1	1	1			

Client Name: Geotechnics

Reference: PN153428
Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

SVOC Report : CEN 10:1 1 Batch

1,2,4-Trichlorobenzene	Method No. FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30
Depth COC No / misc Containers Sample Date Soil Method No. FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30	
COC No / misc Containers V J T Sample Date Soil Method No. FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30	
Containers Sample Date OB/12/2015 OB	Method No. FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30
Sample Type Soll	No. FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30
Sample Type Batch Number 5 5 5	No. FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30
Batch Number 5 5 5 09/12/2015 09	No. FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30
Date of Receipt 09/12/2015	No. FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30
SVOC MS	FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30
Other SVOCs 1,2-Dichlorobenzene <1 <20 AC	FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30
1,2-Dichlorobenzene	FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30
1,2,4-Trichlorobenzene	FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30
1,3-Dichlorobenzene	FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30 FM16/PM30
1,4-Dichlorobenzene	ГМ16/РМ30 ГМ16/РМ30 ГМ16/РМ30
2-Nitroaniline	ГМ16/РМ30 ГМ16/РМ30
2,6-Dinitrotoluene	ГМ16/РМ30
3-Nitroaniline	
4-Bromophenylphenylether <1 <20 AC <1 ug/l 4-Chloroaniline <1 <20 AC <1 ug/l 4-Chlorophenylphenylether <1 <20 AC <1 ug/l 4-Nitroaniline <0.5 <10.0 AC <0.5 ug/l Azobenzene <0.5 <10.0 AC <0.5 ug/l Bis(2-chloroethoxy)methane <0.5 <10.0 AC <0.5 ug/l Bis(2-chloroethyl)ether <1 <20 AC <1 ug/l Carbazole <0.5 <10.0 AC <0.5 ug/l Dibenzofuran <0.5 <10.0 AC <0.5 ug/l Hexachlorobenzene <1 <20 AC <1 ug/l Hexachlorobutadiene <1 <20 AC <1 ug/l	
4-Chloroaniline <1 <20 AC <1 ug/l 4-Chlorophenylphenylether <1 <20 AC <1 ug/l 4-Nitroaniline <0.5 <10.0 AC <0.5 ug/l Azobenzene <0.5 <10.0 AC <0.5 ug/l Bis(2-chloroethoxy)methane <0.5 <10.0 AC <0.5 ug/l Bis(2-chloroethyl)ether <1 <20 AC <1 ug/l Carbazole <0.5 <10.0 AC <0.5 ug/l Dibenzofuran <0.5 <10.0 AC <0.5 ug/l Hexachlorobenzene <1 <20 AC <1 ug/l Hexachlorobutadiene <1 <20 AC <1 ug/l	ГМ16/PM30
4-Chlorophenylphenylether <1 <20AC <1 ug/l 4-Nitroaniline <0.5 <10.0AC <0.5 ug/l Azobenzene <0.5 <10.0AC <0.5 ug/l Bis(2-chloroethoxy)methane <0.5 <10.0AC <0.5 ug/l Bis(2-chloroethyl)ether <1 <20AC <1 ug/l Carbazole <0.5 <10.0AC <0.5 ug/l Dibenzofuran <0.5 <10.0AC <0.5 ug/l Hexachlorobenzene <1 <20AC <1 ug/l Hexachlorobutadiene <1 <20AC <1 ug/l	ГМ16/PM30
4-Nitroaniline	ΓM16/PM30
Azobenzene <0.5 <10.0 AC <0.5 ug/l Bis(2-chloroethoxy)methane <0.5 <10.0 AC <0.5 ug/l Bis(2-chloroethyl)ether <1 <20 AC <1 ug/l Carbazole <0.5 <10.0 AC <0.5 ug/l Dibenzofuran <0.5 <10.0 AC <0.5 ug/l Hexachlorobenzene <1 <20 AC <1 ug/l Hexachlorobutadiene <1 <20 AC <1 ug/l	ГМ16/РМ30 ГМ16/РМ30
Bis(2-chloroethoxy)methane <0.5 <10.0AC <0.5 ug/l Bis(2-chloroethyl)ether <1 <20AC <1 ug/l Carbazole <0.5 <10.0AC <0.5 ug/l Dibenzofuran <0.5 <10.0AC <0.5 ug/l Hexachlorobenzene <1 <20AC <1 ug/l Hexachlorobutadiene <1 <20AC <1 ug/l	ГМ16/РМ30 ГМ16/РМ30
Bis(2-chloroethyl)ether	гм 16/PM30 ГМ16/PM30
Carbazole <0.5 <10.0AC <0.5 ug/l Dibenzofuran <0.5 <10.0AC <0.5 ug/l Hexachlorobenzene <1 <20AC <1 ug/l Hexachlorobutadiene <1 <20AC <1 ug/l	гм 16/РМ30 ГМ16/РМ30
Dibenzofuran <0.5 <10.0 _{AC} <0.5 ug/l	гм16/РМ30 ГМ16/РМ30
Hexachlorobenzene <1 <20 _{AC} <1 ug/l Hexachlorobutadiene <1 <20 _{AC} <1 ug/l	ГМ16/PM30
Hexachlorobutadiene <1 <20 _{AC} <1 ug/l	ГМ16/РМ30
	ГМ16/РМ30
Hexachlorocyclopentadiene <1 <20 _{AC} ug/l '	ГМ16/РМ30
Hexachloroethane <1 <20 _{AC} <1 ug/l	ГМ16/PM30
	ГМ16/PM30
	ГМ16/PM30
	ГМ16/PM30
	FM16/PM30
Surrogate Recovery pTerphenyl-d14 85 86 _{AC} <0 %	ГМ16/PM30

Client Name: Geotechnics

Reference: PN153428
Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

VOC Report : Solid

JE Job No.:	15/17326								
J E Sample No.	169-171	175-177							
Sample ID	WS214	WS211							
Depth	0.50	0.20						e attached nations and a	
COC No / misc Containers	VJT	VJT					abbievi	ations and a	Cionyma
Sample Date		08/12/2015							
Sample Type	Soil	Soil							
Batch Number	5	5							Method
Date of Receipt		09/12/2015					LOD/LOR	Units	No.
VOC MS									
Dichlorodifluoromethane	<2	<2					<2	ug/kg	TM15/PM10
Methyl Tertiary Butyl Ether #M	<6	<6					<6	ug/kg	TM15/PM10
Chloromethane #	<3	<3					<3	ug/kg	TM15/PM10
Vinyl Chloride	<2	<2					<2	ug/kg	TM15/PM10
Bromomethane	<1	<1					<1	ug/kg	TM15/PM10
Chloroethane #M	<6	<6					<6	ug/kg	TM15/PM10
Trichlorofluoromethane #M	<3	<3					<3	ug/kg	TM15/PM10
1,1-Dichloroethene (1,1 DCE) **M	<6	<6					<6	ug/kg	TM15/PM10
Dichloromethane (DCM)#	<7	<7					<7	ug/kg	TM15/PM10
trans-1-2-Dichloroethene #	<3	<3					<3	ug/kg	TM15/PM10
1,1-Dichloroethane #M	<6 <7	<6					<6 <7	ug/kg	TM15/PM10 TM15/PM10
cis-1-2-Dichloroethene *** 2,2-Dichloropropane	<4	<7 <4					<4	ug/kg	TM15/PM10
Bromochloromethane **M	<4	<4					<4	ug/kg ug/kg	TM15/PM10
Chloroform **M	<5	<5					<5	ug/kg	TM15/PM10
1,1,1-Trichloroethane #M	<5	<5					<5	ug/kg	TM15/PM10
1,1-Dichloropropene #	<3	<3					<3	ug/kg	TM15/PM10
Carbon tetrachloride #M	<4	<4					<4	ug/kg	TM15/PM10
1,2-Dichloroethane #M	<5	<5					<5	ug/kg	TM15/PM10
Benzene #M	<5	<5					<5	ug/kg	TM15/PM10
Trichloroethene (TCE) #M	<5	<5					<5	ug/kg	TM15/PM10
1,2-Dichloropropane #M	<4	<4					<4	ug/kg	TM15/PM10
Dibromomethane #M	<4	<4					<4	ug/kg	TM15/PM10
Bromodichloromethane **M	<4	<4					<4	ug/kg	TM15/PM10
cis-1-3-Dichloropropene	<4	<4					<4	ug/kg	TM15/PM10
Toluene #M	<3	15					<3	ug/kg	TM15/PM10
trans-1-3-Dichloropropene	<3	<3					<3	ug/kg	TM15/PM10
1,1,2-Trichloroethane #M	<4	<4					<4	ug/kg	TM15/PM10
Tetrachloroethene (PCE) #	19	<3					<3	ug/kg	TM15/PM10 TM15/PM10
1,3-Dichloropropane **M Dibromochloromethane **M	<4 <5	<4 <5					<4 <5	ug/kg	TM15/PM10
1,2-Dibromoethane #	<3	<3					<3	ug/kg ug/kg	TM15/PM10
Chlorobenzene #M	<4	<4					<4	ug/kg	TM15/PM10
1,1,1,2-Tetrachloroethane ***	<5	<5					<5	ug/kg	TM15/PM10
Ethylbenzene *M	15	42					<3	ug/kg	TM15/PM10
p/m-Xylene *M	14	37					<4	ug/kg	TM15/PM10
o-Xylene *M	7	19					<4	ug/kg	TM15/PM10
Styrene	<3	<3					<3	ug/kg	TM15/PM10
Bromoform	<4	<4					<4	ug/kg	TM15/PM10
Isopropylbenzene #	<3	10					<3	ug/kg	TM15/PM10
1,1,2,2-Tetrachloroethane **M	<3	<3					<3	ug/kg	TM15/PM10
Bromobenzene	<2	<2					<2	ug/kg	TM15/PM10
1,2,3-Trichloropropane *M	<4	<4					<4	ug/kg	TM15/PM10
Propylbenzene #	<4	<4					<4	ug/kg	TM15/PM10
2-Chlorotoluene	<3	<3					<3	ug/kg	TM15/PM10
1,3,5-Trimethylbenzene #	11	26					<3	ug/kg	TM15/PM10
4-Chlorotoluene	<3	<3					<3	ug/kg	TM15/PM10
tert-Butylbenzene #	<5 10	<5 47					<5	ug/kg	TM15/PM10 TM15/PM10
1,2,4-Trimethylbenzene * sec-Butylbenzene *	19 <4	47 <4					<6 <4	ug/kg ug/kg	TM15/PM10
4-Isopropyltoluene #	<4	10					<4	ug/kg ug/kg	TM15/PM10
4-isopropyitoluene 1,3-Dichlorobenzene **M	<4	<4					<4	ug/kg ug/kg	TM15/PM10
1,4-Dichlorobenzene #	<4	<4					<4	ug/kg	TM15/PM10
n-Butylbenzene#	<4	<4					<4	ug/kg	TM15/PM10
1,2-Dichlorobenzene #M	<4	<4					<4	ug/kg	TM15/PM10
1,2-Dibromo-3-chloropropane #	<4	<4					<4	ug/kg	TM15/PM10
1,2,4-Trichlorobenzene#	<7	<7					<7	ug/kg	TM15/PM10
Hexachlorobutadiene	<4	<4					<4	ug/kg	TM15/PM10
Naphthalene	3737	9554					<27	ug/kg	TM15/PM10
1,2,3-Trichlorobenzene#	<7	<7					<7	ug/kg	TM15/PM10
Surrogate Recovery Toluene D8	109	95					<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	87	81					<0	%	TM15/PM10

Client Name: Geotechnics

Reference: PN153428
Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

VOC Report : CEN 10:1 1 Batch

JE JOD NO.: J E Sample No.	169-171	175-177							Ī		
J E Sample No.	169-171	1/5-1//									
Sample ID	WS214	WS211									
Depth	0.50	0.20							Please se	e attached n	otes for all
COC No / misc									abbrevi	ations and a	cronyms
Containers	VJT	VJT									
Sample Date Sample Type	08/12/2015 Soil	08/12/2015 Soil							1		
Batch Number	5	5									Method
Date of Receipt	09/12/2015								LOD/LOR	Units	No.
VOC MS											
Dichlorodifluoromethane	<2	<2							<2	ug/l	TM15/PM69
Methyl Tertiary Butyl Ether	<1	<1							<1	ug/l	TM15/PM69
Chloromethane Vinyl Chloride	<3 <0.1	<3 <0.1							<3 <0.1	ug/l ug/l	TM15/PM69 TM15/PM69
Bromomethane	<1	<1							<1	ug/l	TM15/PM69
Chloroethane	<3	<3							<3	ug/l	TM15/PM69
Trichlorofluoromethane	<3	<3							<3	ug/l	TM15/PM69
1,1-Dichloroethene (1,1 DCE)	<3	<3							<3	ug/l	TM15/PM69
Dichloromethane (DCM)	<3	<3							<3	ug/l	TM15/PM69
trans-1-2-Dichloroethene	<3 <3	<3 <3							<3	ug/l	TM15/PM69 TM15/PM69
1,1-Dichloroethane cis-1-2-Dichloroethene	<3 <3	<3 <3							<3 <3	ug/l ug/l	TM15/PM69 TM15/PM69
2,2-Dichloropropane	<1	<1							<1	ug/l	TM15/PM69
Bromochloromethane	<2	<2							<2	ug/l	TM15/PM69
Chloroform	<2	<2							<2	ug/l	TM15/PM69
1,1,1-Trichloroethane	<2	<2							<2	ug/l	TM15/PM69
1,1-Dichloropropene	<3	<3							<3	ug/l	TM15/PM69
Carbon tetrachloride 1,2-Dichloroethane	<2 <2	<2 <2							<2 <2	ug/l ug/l	TM15/PM69 TM15/PM69
Benzene	<1	<1							<1	ug/l	TM15/PM69
Trichloroethene (TCE)	<3	<3							<3	ug/l	TM15/PM69
1,2-Dichloropropane	<2	<2							<2	ug/l	TM15/PM69
Dibromomethane	<3	<3							<3	ug/l	TM15/PM69
Bromodichloromethane	<2	<2							<2	ug/l	TM15/PM69
cis-1-3-Dichloropropene Toluene	<2 <2	<2 <2							<2 <2	ug/l	TM15/PM69 TM15/PM69
trans-1-3-Dichloropropene	<2	<2							<2	ug/l ug/l	TM15/PM69
1,1,2-Trichloroethane	<2	<2							<2	ug/l	TM15/PM69
Tetrachloroethene (PCE)	<3	<3							<3	ug/l	TM15/PM69
1,3-Dichloropropane	<2	<2							<2	ug/l	TM15/PM69
Dibromochloromethane	<2	<2							<2	ug/l	TM15/PM69
1,2-Dibromoethane	<2 <2	<2 <2							<2 <2	ug/l	TM15/PM69 TM15/PM69
Chlorobenzene 1,1,1,2-Tetrachloroethane	<2	<2							<2	ug/l ug/l	TM15/PM69
Ethylbenzene	<2	<2							<2	ug/l	TM15/PM69
p/m-Xylene	<3	<3							<3	ug/l	TM15/PM69
o-Xylene	<2	<2							<2	ug/l	TM15/PM69
Styrene	<2	<2							<2	ug/l	TM15/PM69
Bromoform	<2	<2							<2	ug/l	TM15/PM69 TM15/PM69
Isopropylbenzene 1,1,2,2-Tetrachloroethane	<3 <4	<3 <4							<3 <4	ug/l ug/l	TM15/PM69 TM15/PM69
Bromobenzene	<2	<2							<2	ug/l	TM15/PM69
1,2,3-Trichloropropane	<3	<3							<3	ug/l	TM15/PM69
Propylbenzene	<3	<3							<3	ug/l	TM15/PM69
2-Chlorotoluene	<3	<3							<3	ug/l	TM15/PM69
1,3,5-Trimethylbenzene	<3	<3							<3	ug/l	TM15/PM69
4-Chlorotoluene tert-Butylbenzene	<3 <3	<3 <3							<3 <3	ug/l ug/l	TM15/PM69 TM15/PM69
1,2,4-Trimethylbenzene	<3	<3							<3	ug/l	TM15/PM69
sec-Butylbenzene	<3	<3							<3	ug/l	TM15/PM69
4-Isopropyltoluene	<3	<3							<3	ug/l	TM15/PM69
1,3-Dichlorobenzene	<3	<3							<3	ug/l	TM15/PM69
1,4-Dichlorobenzene	<3	<3							<3	ug/l	TM15/PM69 TM15/PM69
n-Butylbenzene 1,2-Dichlorobenzene	<3 <3	<3 <3							<3 <3	ug/l ug/l	TM15/PM69
1,2-Dibromo-3-chloropropane	<2	<2							<2	ug/l	TM15/PM69
1,2,4-Trichlorobenzene	<3	<3							<3	ug/l	TM15/PM69
Hexachlorobutadiene	<3	<3							<3	ug/l	TM15/PM69
Naphthalene	<2	19							<2	ug/l	TM15/PM69
1,2,3-Trichlorobenzene	<3	<3							<3	ug/l	TM15/PM69
Surrogate Recovery Toluene D8 Surrogate Recovery 4-Bromofluorobenzene	89 111	90 111							<0 <0	%	TM15/PM69 TM15/PM69
Sanogate i tecovery 4-promonuoroperizerie	111		L	 <u> </u>	<u> </u>	<u>i </u>	<u> </u>	<u> </u>	~0	/0	I IVI I J/F IVIOS

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

Note:

Analysis was carried out in accordance with our documented in-house methods PM042 and TM065 and HSG 248 by Stereo and Polarised Light Microscopy using Dispersion Staining Techniques and is covered by our UKAS accreditation. Samples are retained for not less than 6 months from the date of analysis unless specifically requested.

Opinions lie outside the scope of our UKAS accreditation.

Where the sample is not taken by a Jones Environmental Laboratory consultant, Jones Environmental Laboratory cannot be responsible for inaccurate or unrepresentative sampling.

Any questionable sample will automatically be assumed to have breached the Waste Limit and further testing may be required.

Signed on behalf of Jones Environmental Laboratory:

Asbestos Team Leader

J E Job No.	Batch	Sample ID	Depth	J E Sample No.	Date Of Analysis	Analysis	Result
15/17326	5	WS214	0.50	170	11/12/2015	Mass of Dry Sample	48.3 (g)
					14/12/2015	General Description (Bulk Analysis)	Soil-Silt/Clay/Brick/Stone
					14/12/2015	Asbestos Containing Material	None
					14/12/2015	Asbestos Containing Material (2)	None
					14/12/2015	Asbestos Screen	NAD
					14/12/2015	Asbestos Screen (2)	NAD
					14/12/2015	Asbestos Level	NAD
					14/12/2015	Waste Limit	<0.1%
15/17326	5	WS211	0.20	176	11/12/2015	Mass of Dry Sample	50.2 (g)
					14/12/2015	General Description (Bulk Analysis)	Soil-Silt/Clay/Brick/Stone
					14/12/2015	Asbestos Containing Material	None
					14/12/2015	Asbestos Containing Material (2)	None
					14/12/2015	Asbestos Screen	NAD
					14/12/2015	Asbestos Screen (2)	NAD
					14/12/2015	Asbestos Level	NAD
					14/12/2015	Waste Limit	<0.1%
15/17326	5	WS211	1.00	182	11/12/2015	Mass of Dry Sample	50.3 (g)
					14/12/2015	General Description (Bulk Analysis)	Soil-Silt/Clay/Brick/Stone
					14/12/2015	Asbestos Containing Material	None
					14/12/2015	Asbestos Containing Material (2)	None
					14/12/2015	Asbestos Screen	NAD
					14/12/2015	Asbestos Screen (2)	NAD
					14/12/2015	Asbestos Level	NAD
					14/12/2015	Waste Limit	<0.1%

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

JE Job No.: 15/17326

SOILS

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited.

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCI (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 (UKAS) accreditation applies to surface water and groundwater and one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

DEVIATING SAMPLES

Samples must be received in a condition appropriate to the requested analyses. All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. If this is not the case you will be informed and any test results that may be compromised highlighted on your deviating samples report.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

DILUTIONS

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

NOTE

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a UKAS requirement for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.

Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

ABBREVIATIONS and ACRONYMS USED

# ISO17025 (UKAS) accredited - UK. B Indicates analyte found in associated method blank. DR Dilution required. M MCERTS accredited. NA Not applicable NAD No Asbestos Detected.	
DR Dilution required. M MCERTS accredited. NA Not applicable NAD No Asbestos Detected.	
M MCERTS accredited. NA Not applicable NAD No Asbestos Detected.	
NA Not applicable NAD No Asbestos Detected.	
NAD No Asbestos Detected.	
11.2	
ND None Detected (usually refers to VOC and/SVOC TICs).	
NDP No Determination Possible	
SS Calibrated against a single substance	
SV Surrogate recovery outside performance criteria. This may be due to a matrix effect.	
W Results expressed on as received basis.	
+ AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.	
++ Result outside calibration range, results should be considered as indicative only and are not accredited.	
* Analysis subcontracted to a Jones Environmental approved laboratory.	
AD Samples are dried at 35°C ±5°C	
CO Suspected carry over	
LOD/LOR Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS	
ME Matrix Effect	
NFD No Fibres Detected	
BS AQC Sample	
LB Blank Sample	
N Client Sample	
TB Trip Blank Sample	
OC Outside Calibration Range	
AA x5 Dilution	
AB x10 Dilution	
AC x20 Dilution	

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465 and BS1377.	PM0	No preparation is required.				
PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465 and BS1377.	PM0	No preparation is required.			AR	Yes
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes	Yes	AR	Yes
TM5	Modified USEPA 8015B method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) with carbon banding within the range C8-C40 GC-FID.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	Yes
TM5	Modified USEPA 8015B method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) with carbon banding within the range C8-C40 GC-FID.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.	Yes	Yes	AR	Yes
TM5	Modified USEPA 8015B method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) with carbon banding within the range C8-C40 GC-FID.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.			AR	Yes
TM5/TM36	TM005: Modified USEPA 8015B. Determination of solvent Extractable Petroleum Hydrocarbons (EPH) including column fractionation in the carbon range of C10-35 into aliphatic and aromatic fractions by GC-FID. TM036: Modified USEPA 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C5-10 by headspace GC-FID.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	Yes
TM5/TM36	TM005: Modified USEPA 8015B. Determination of solvent Extractable Petroleum Hydrocarbons (EPH) including column fractionation in the carbon range of C10-35 into aliphatic and aromatic fractions by GC-FID. TM036: Modified USEPA 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C5-10 by headspace GC-FID.	PM30/PM69	PM030: Eluate samples are extracted with solvent using a magnetic stirrer to create a vortex.PM069: One part soil is mixed with 10 parts water in a vial leaving no headspace. The mixture is shaken and then left to leach for 24 hours before VOC analysis.			AR	Yes

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
PM13	A visual examination of the solid sample is carried out to ascertain sample make up, colour and any other inclusions. This is not a geotechnical description.	PM0	No preparation is required.			AR	
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes		AR	Yes
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes	Yes	AR	Yes
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM69	Modified BS EN 12457 method. One part soil is mixed with 10 parts water in a vial leaving no headspace. The mixture is shaken and then left to leach for 24 hours before VOC analysis.			AR	Yes
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM69	Modified BS EN 12457 method. One part soil is mixed with 10 parts water in a vial leaving no headspace. The mixture is shaken and then left to leach for 24 hours before VOC analysis.			AR	
TM16	Modified USEPA 8270. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.			AR	Yes
TM16	Modified USEPA 8270. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.			AR	
TM16	Modified USEPA 8270. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes
TM16	Modified USEPA 8270. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes	Yes	AR	Yes

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM17	Modified US EPA method 8270. Determination of specific Polychlorinated Biphenyl congeners by GC-MS.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.			AR	Yes
TM17	Modified US EPA method 8270. Determination of specific Polychlorinated Biphenyl congeners by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7	PM14	Analysis of waters and leachates for metals by ICP OES. Samples are filtered for dissolved metals and acidified if required.	Yes		AR	Yes
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.			AD	Yes
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.	Yes	Yes	AD	Yes
TM31	Modified USEPA 8015B. Determination of Methyltertbutylether, Benzene, Toluene, Ethylbenzene and Xylene by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM31	Modified USEPA 8015B. Determination of Methyltertbutylether, Benzene, Toluene, Ethylbenzene and Xylene by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes		AR	Yes
TM36	Modified US EPA method 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM36	Modified US EPA method 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes	Yes	AR	Yes
ТМ36	Modified US EPA method 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID.	PM69	Modified BS EN 12457 method. One part soil is mixed with 10 parts water in a vial leaving no headspace. The mixture is shaken and then left to leach for 24 hours before VOC analysis.			AR	Yes

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM65	Asbestos Bulk Identification method based on HSG 248.	PM42	Solid samples undergo a thorough visual inspection for asbestos fibres prior to asbestos identification using TM065.			AR	
TM65	Asbestos Bulk Identification method based on HSG 248.	PM42	Solid samples undergo a thorough visual inspection for asbestos fibres prior to asbestos identification using TM065.	Yes		AR	
TM73	Modified US EPA methods 150.1 and 9045D. Determination of pH by Metrohm automated probe analyser.	PM0	No preparation is required.			AR	Yes
TM73	Modified US EPA methods 150.1 and 9045D. Determination of pH by Metrohm automated probe analyser.	PM11	Extraction of as received solid samples using one part solid to 2.5 parts deionised water.	Yes	Yes	AR	No
TM74	Analysis of water soluble boron (20:1 extract) by ICP-OES.	PM32	Hot water soluble boron is extracted from dried and ground samples using a 20:1 ratio.	Yes	Yes	AD	Yes
NONE	No Method Code	PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465 and BS1377.			AR	



Registered Address: Unit 3 Deeside Point, Zone 3, Deeside Industrial Park, Deeside, CH5 2UA. UK

Unit 3 Deeside Point

Zone 3

Deeside Industrial Park

Deeside CH5 2UA

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Tel: +44 (0) 1244 833780 Fax: +44 (0) 1244 833781







Attention:

Date: 4th January, 2016

Your reference : PN153428

Our reference: Test Report 15/17326 Batch 5 Schedule B

Location : Stockport Bus Station

Date samples received: 9th December, 2015

Status: Final report

Issue:

Twelve samples were received for analysis on 9th December, 2015 of which one were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.

All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Compiled By:

Client Name: Geotechnics
Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report : Solid

JE Job No.:	15/17326					_		
J E Sample No.	184-186							
Sample ID	BH103							
Pd	0.05.0.55							
Depth							e attached nations and a	
COC No / misc						abbievii	ations and a	oronymo
Containers	VJT							
Sample Date	08/12/2015							
Sample Type	Soil							
Batch Number	5							
Date of Receipt						LOD/LOR	Units	Method No.
-						40 F		TM20/DM45
Arsenic **M Chromium **M	1.4					<0.5	mg/kg	TM30/PM15 TM30/PM15
Copper **M	13.4 4					<0.5 <1	mg/kg mg/kg	TM30/PM15
Lead *M	9					<5	mg/kg	TM30/PM15
Mercury #M	<0.1					<0.1	mg/kg	TM30/PM15
Nickel #M	6.4					<0.7	mg/kg	TM30/PM15
Selenium *M	<1					<1	mg/kg	TM30/PM15
Vanadium	5					<1	mg/kg	TM30/PM15
Water Soluble Boron #M	<0.1					<0.1	mg/kg	TM74/PM32
Zinc #M	41					<5	mg/kg	TM30/PM15
PAH MS								
Naphthalene #M	<0.04					<0.04	mg/kg	TM4/PM8
Acenaphthylene	<0.03					<0.03	mg/kg	TM4/PM8
Acenaphthene #M	<0.05					<0.05	mg/kg	TM4/PM8
Fluorene #M	<0.04					<0.04	mg/kg	TM4/PM8
Phenanthrene *M	<0.03					<0.03	mg/kg	TM4/PM8
Anthracene #	<0.04					<0.04	mg/kg	TM4/PM8
Fluoranthene #M	<0.03					<0.03	mg/kg	TM4/PM8
Pyrene#	<0.03					<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene#	<0.06					<0.06	mg/kg	TM4/PM8
Chrysene #M	<0.02					<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #M	<0.07					<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	<0.04 <0.04					<0.04	mg/kg	TM4/PM8 TM4/PM8
Indeno(123cd)pyrene #M	<0.04					<0.04 <0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene # Benzo(ghi)perylene #	<0.04					<0.04	mg/kg mg/kg	TM4/PM8
PAH 16 Total	<0.6					<0.04	mg/kg	TM4/PM8
Benzo(b)fluoranthene	<0.05					<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	<0.02					<0.02	mg/kg	TM4/PM8
PAH Surrogate % Recovery	117					<0	%	TM4/PM8
TPH CWG								
Aliphatics								
>C5-C6 #M	<0.1					<0.1	mg/kg	TM36/PM12
>C6-C8 #M	<0.1					<0.1	mg/kg	TM36/PM12
>C8-C10	<0.1					<0.1	mg/kg	TM36/PM12
>C10-C12 #M	<0.2					<0.2	mg/kg	TM5/PM16
>C12-C16 #M	<4					<4	mg/kg	TM5/PM16
>C16-C21 **M	<7					<7	mg/kg	TM5/PM16
>C21-C35 **M	<7					<7	mg/kg	TM5/PM16
>C35-C44	<7					<7	mg/kg	TM5/PM16
Total aliphatics C5-44	<26					<26	mg/kg	TM5/TM36/PM16

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report : Solid

						L		
J E Sample No.	184-186							
Sample ID	BH103							
Depth	0.35-0.55					Please se	e attached n	otes for all
COC No / misc							ations and a	
Containers	VJT							
Sample Date	08/12/2015							
Sample Type	Soil							
Batch Number	5					LOD/LOR	Units	Method No.
Date of Receipt	09/12/2015							
TPH CWG Aromatics								
>C5-EC7	<0.1					<0.1	mg/kg	TM36/PM12
>EC7-EC8	<0.1					<0.1	mg/kg	TM36/PM12
>EC8-EC10 #M	<0.1					<0.1	mg/kg	TM36/PM12
>EC10-EC12	<0.2					<0.2	mg/kg	TM5/PM16
>EC12-EC16	<4					<4	mg/kg	TM5/PM16
>EC16-EC21	<7					<7	mg/kg	TM5/PM16
>EC21-EC35	<7					<7	mg/kg	TM5/PM16
>EC35-EC44	<7					<7	mg/kg	TM5/PM16
Total aromatics C5-44	<26					<26	mg/kg	TM5/TM36/PM16
Total aliphatics and aromatics(C5-44)	<52					<52	mg/kg	TM5/TM36/PM16
MTBE#	<5					<5	ug/kg	TM31/PM12
Benzene #	<5 <5					<5	ug/kg	TM31/PM12
Toluene #	<5					<5	ug/kg	TM31/PM12
Ethylbenzene #	<5					<5	ug/kg	TM31/PM12
m/p-Xylene #	<5					<5	ug/kg	TM31/PM12
o-Xylene #	<5					<5	ug/kg	TM31/PM12
2-Chlorophenol	<10					<10	ug/kg	TM16/PM8
Natural Moisture Content	2.9					<0.1	%	PM4/PM0
2-Methylphenol	<10					<10	ug/kg	TM16/PM8
2-Nitrophenol	<10					<10	ug/kg	TM16/PM8
2,4-Dichlorophenol	<10					<10	ug/kg	TM16/PM8
2,4-Dimethylphenol 2,4,5-Trichlorophenol	<10 <10					<10 <10	ug/kg ug/kg	TM16/PM8 TM16/PM8
2,4,6-Trichlorophenol	<10					<10	ug/kg	TM16/PM8
4-Chloro-3-methylphenol	<10					<10	ug/kg	TM16/PM8
4-Methylphenol	<10					<10	ug/kg	TM16/PM8
4-Nitrophenol	<10					<10	ug/kg	TM16/PM8
Pentachlorophenol	<10					<10	ug/kg	TM16/PM8
Phenol	<10					<10	ug/kg	TM16/PM8
Total Speciated Phenols MS	<10					<10	ug/kg	TM16/PM8
Hoveyslant Chremium#	<0.3					<0.3	malka	TM29/DM400
Hexavalent Chromium # Chromium III	<0.3 13.4					<0.3 <0.5	mg/kg	TM38/PM20 NONE/NONE
On onluin iii	13.4					~0.0	mg/kg	NONE/NONE
Total Cyanide **M	<0.5					<0.5	mg/kg	TM89/PM45
Total Organic Carbon #	0.10					<0.02	%	TM21/PM24

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report : Solid

JE Job No.:	15/17326								
J E Sample No.	184-186								
Sample ID	BH103								
Depth	0.35-0.55						Please se	e attached n	otes for all
COC No / misc							abbrevi	ations and ad	cronyms
Containers	VJT								
Sample Date	08/12/2015								
Sample Type									
Batch Number									
							LOD/LOR	Units	Method No.
Date of Receipt									
pH #M	8.92						<0.01	pH units	TM73/PM11
Sample Type	Sand							None	PM13/PM0 PM13/PM0
Sample Colour Other Items	Light Grey							None	PM13/PM0
Outer iterits	stones							None	FIVIT3/PIVIU
			I.	1	I.	I.	1		

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

JE Job No.: 15/17326

SOILS

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCI (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 (UKAS) accreditation applies to surface water and groundwater and one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

DEVIATING SAMPLES

Samples must be received in a condition appropriate to the requested analyses. All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. If this is not the case you will be informed and any test results that may be compromised highlighted on your deviating samples report.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

DILUTIONS

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

NOTE

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a UKAS requirement for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.

Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

ABBREVIATIONS and ACRONYMS USED

#	ISO17025 (UKAS) accredited - UK.
В	Indicates analyte found in associated method blank.
DR	Dilution required.
M	MCERTS accredited.
NA	Not applicable
NAD	No Asbestos Detected.
ND	None Detected (usually refers to VOC and/SVOC TICs).
NDP	No Determination Possible
SS	Calibrated against a single substance
SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
++	Result outside calibration range, results should be considered as indicative only and are not accredited.
*	Analysis subcontracted to a Jones Environmental approved laboratory.
AD	Samples are dried at 35°C ±5°C
СО	Suspected carry over
LOD/LOR	Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS
ME	Matrix Effect
NFD	No Fibres Detected
BS	AQC Sample
LB	Blank Sample
N	Client Sample
TB	Trip Blank Sample
ОС	Outside Calibration Range

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465 and BS1377.	PM0	No preparation is required.				
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes	Yes	AR	Yes
TM5	Modified USEPA 8015B method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) with carbon banding within the range C8-C40 GC-FID.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	Yes
TM5	Modified USEPA 8015B method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) with carbon banding within the range C8-C40 GC-FID.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.	Yes	Yes	AR	Yes
TM5/TM36	TM005: Modified USEPA 8015B. Determination of solvent Extractable Petroleum Hydrocarbons (EPH) including column fractionation in the carbon range of C10-35 into aliphatic and aromatic fractions by GC-FID. TM036: Modified USEPA 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C5-10 by headspace GC-FID.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	Yes
PM13	A visual examination of the solid sample is carried out to ascertain sample make up, colour and any other inclusions. This is not a geotechnical description.	PM0	No preparation is required.			AR	
TM16	Modified USEPA 8270. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes
TM21	Modified USEPA 415.1. Determination of Total Organic Carbon or Total Carbon by combustion in an Eltra TOC furnace/analyser in the presence of oxygen. The CO2 generated is quantified using infra-red detection.	PM24	Dried and ground solid samples are washed with hydrochloric acid, then rinsed with deionised water to remove the mineral carbon before TOC analysis.	Yes		AD	Yes

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.			AD	Yes
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.	Yes	Yes	AD	Yes
TM31	Modified USEPA 8015B. Determination of Methyltertbutylether, Benzene, Toluene, Ethylbenzene and Xylene by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM31	Modified USEPA 8015B. Determination of Methyltertbutylether, Benzene, Toluene, Ethylbenzene and Xylene by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes		AR	Yes
TM36	Modified US EPA method 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM36	Modified US EPA method 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes	Yes	AR	Yes
TM38	Soluble Ion analysis using the Thermo Aquakem Photometric Automatic Analyser. Modified US EPA methods 325.2, 375.4, 365.2, 353.1, 354.1	PM20	Extraction of dried and ground samples with deionised water in a 2:1 water to solid ratio for anions. Extraction of as received samples with deionised water in a 2:1 water to solid ratio for ammoniacal nitrogen. Samples are extracted using an orbital shaker.	Yes		AR	Yes
TM73	Modified US EPA methods 150.1 and 9045D. Determination of pH by Metrohm automated probe analyser.	PM11	Extraction of as received solid samples using one part solid to 2.5 parts deionised water.	Yes	Yes	AR	No
TM74	Analysis of water soluble boron (20:1 extract) by ICP-OES.	PM32	Hot water soluble boron is extracted from dried and ground samples using a 20:1 ratio.	Yes	Yes	AD	Yes
TM89	Modified USEPA method OIA-1667. Determination of cyanide by Flow Injection Analyser.	PM45	As received solid samples are extracted with 1M NaOH by orbital shaker for Cyanide and Thiocyanate analysis.	Yes	Yes	AR	Yes

Jones Environmental Laboratory

Method Code Appendix

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
NONE	No Method Code	NONE	No Method Code			AR	Yes



Registered Address: Unit 3 Deeside Point, Zone 3, Deeside Industrial Park, Deeside, CH5 2UA. UK

Unit 3 Deeside Point

Zone 3

Deeside Industrial Park

Deeside CH5 2UA

 Geotechnics
 Tel: +44 (0) 1244 833780

 Unit 1B
 Tel: +44 (0) 1244 833780

 Borders Industrial Park
 Fax: +44 (0) 1244 833781

 River Lane
 Fax: +44 (0) 1244 833781





Attention :

Cheshire CH4 8RJ

Date: 30th December, 2015

Your reference : PN153428

Our reference : Test Report 15/17326 Batch 6

Location : Stockport Bus Station

Date samples received: 11th December, 2015

Status: Final report

Issue:

Four samples were received for analysis on 11th December, 2015 of which two were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.

All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Compiled By:

Client Name: Geotechnics
Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report : Solid

JE JOD NO.:	15/1/326		 	 	 	 			
J E Sample No.	199-201	202-204							
Sample ID	BH105	BH105							
Depth	1.00	2.00							
-	1.00	2.00						e attached n ations and a	
COC No / misc									
Containers	VJT	VJT							
Sample Date	09/12/2015	09/12/2015							
Sample Type	Soil	Soil							
Batch Number	6	6					1 OD#I OD	Lluite	Method
Date of Receipt	11/12/2015	11/12/2015					LOD/LOR	Units	No.
Arsenic **M	<0.5	2.5					<0.5	mg/kg	TM30/PM15
Cadmium #M	7.4	6.3					<0.1	mg/kg	TM30/PM15
Chromium *M	17.0	58.8					<0.5	mg/kg	TM30/PM15
Copper #M	-	12					<1	mg/kg	TM30/PM15
Lead #M	26	23					<5	mg/kg	TM30/PM15
Mercury **M	<0.1	<0.1					<0.1	mg/kg	TM30/PM15
Nickel #M	2.4	9.9					<0.7	mg/kg	TM30/PM15
Selenium **M	<1	<1					<1	mg/kg	TM30/PM15
Vanadium	0.4	12 0.3					<1 <0.1	mg/kg	TM30/PM15 TM74/PM32
Water Soluble Boron *** Zinc ***	31	23					<5	mg/kg mg/kg	TM30/PM15
ZIIIC	01	20					-0	mg/kg	TIMOON WITO
PAH MS									
Naphthalene #M	<0.04	<0.04					<0.04	mg/kg	TM4/PM8
Acenaphthylene	<0.03	<0.03					<0.03	mg/kg	TM4/PM8
Acenaphthene #M	<0.05	<0.05					<0.05	mg/kg	TM4/PM8
Fluorene #M	<0.04	<0.04					<0.04	mg/kg	TM4/PM8
Phenanthrene *M	0.04	<0.03					<0.03	mg/kg	TM4/PM8
Anthracene #	<0.04	<0.04					<0.04	mg/kg	TM4/PM8
Fluoranthene *M	0.05	<0.03					<0.03	mg/kg	TM4/PM8
Pyrene #	0.05	<0.03					<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene #	0.06	<0.06					<0.06	mg/kg	TM4/PM8
Chrysene #M	0.04	0.02					<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene *** Benzo(a)pyrene **	<0.07 0.04	<0.07 <0.04					<0.07 <0.04	mg/kg mg/kg	TM4/PM8 TM4/PM8
Indeno(123cd)pyrene #M	0.04	<0.04					<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	<0.04	<0.04					<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	<0.04	<0.04					<0.04	mg/kg	TM4/PM8
PAH 16 Total	<0.6	<0.6					<0.6	mg/kg	TM4/PM8
Benzo(b)fluoranthene	<0.05	<0.05					<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	<0.02	<0.02					<0.02	mg/kg	TM4/PM8
PAH Surrogate % Recovery	106	120					<0	%	TM4/PM8

Client Name: Geotechnics
Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report : Solid

	1	,	1			1		1	ı		
J E Sample No.	199-201	202-204									
Sample ID	BH105	BH105									
Depth	1.00	2.00							Please se	e attached n	otes for all
COC No / misc										ations and a	
Containers	VJT	VJT									
Sample Date	09/12/2015	09/12/2015									
Sample Type	Soil	Soil									
Batch Number	6	6									Method
Date of Receipt	11/12/2015	11/12/2015							LOD/LOR	Units	No.
TPH CWG											
Aliphatics											
>C5-C6 #M	<0.1	<0.1							<0.1	mg/kg	TM36/PM12
>C6-C8 #M	<0.1	<0.1							<0.1	mg/kg	TM36/PM12
>C8-C10	<0.1	<0.1							<0.1	mg/kg	TM36/PM12
>C10-C12 #M	<0.2	<0.2							<0.2	mg/kg	TM5/PM16
>C12-C16 #M	<4	<4							<4	mg/kg	TM5/PM16
>C16-C21 #M	<7	<7							<7	mg/kg	TM5/PM16
>C21-C35 #M	<7	<7							<7	mg/kg	TM5/PM16
>C35-C44	<7	<7							<7	mg/kg	TM5/PM16
Total aliphatics C5-44	<26	<26							<26	mg/kg	TM5/TM36/PM16
Aromatics											
>C5-EC7	<0.1	<0.1							<0.1	mg/kg	TM36/PM12
>EC7-EC8	<0.1	<0.1							<0.1	mg/kg	TM36/PM12
>EC8-EC10 **M	<0.1	<0.1							<0.1	mg/kg	TM36/PM12
>EC10-EC12	<0.2	<0.2							<0.2	mg/kg	TM5/PM16
>EC12-EC16	<4	<4							<4	mg/kg	TM5/PM16
>EC16-EC21	<7	<7							<7	mg/kg	TM5/PM16
>EC21-EC35	<7	<7							<7	mg/kg	TM5/PM16
>EC35-EC44	<7	<7							<7	mg/kg	TM5/PM16
Total aromatics C5-44	<26	<26							<26	mg/kg	TM5/TM36/PM16 TM5/TM36/PM16
Total aliphatics and aromatics(C5-44)	<52	<52							<52	mg/kg	TMS/TMS6/PMT6
MTBE#	<5	<5							<5	ug/kg	TM31/PM12
Benzene #	<5	<5							<5	ug/kg	TM31/PM12
Toluene #	<5	<5							<5	ug/kg	TM31/PM12
Ethylbenzene#	<5	<5							<5	ug/kg	TM31/PM12
m/p-Xylene #	<5	<5							<5	ug/kg	TM31/PM12
o-Xylene #	<5	<5							<5	ug/kg	TM31/PM12
Natural Moisture Content	1.6	11.1							<0.1	%	PM4/PM0
Total Cyanide #M	<0.5	<0.5							<0.5	mg/kg	TM89/PM45
Total Organic Carbon#	<0.02	0.33							<0.02	%	TM21/PM24
pH ***	12.13	9.29							<0.01	pH units	TM73/PM11
Sample Type	Sand	Clayey Sand								None	PM13/PM0
Sample Colour	Light Brown									None	PM13/PM0
Other Items	stones	mosty stones and water								None	PM13/PM0
				1	1						

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

Note:

Analysis was carried out in accordance with our documented in-house methods PM042 and TM065 and HSG 248 by Stereo and Polarised Light Microscopy using Dispersion Staining Techniques and is covered by our UKAS accreditation. Samples are retained for not less than 6 months from the date of analysis unless specifically requested.

Opinions lie outside the scope of our UKAS accreditation.

Where the sample is not taken by a Jones Environmental Laboratory consultant, Jones Environmental Laboratory cannot be responsible for inaccurate or unrepresentative sampling.

Any questionable sample will automatically be assumed to have breached the Waste Limit and further testing may be required.

Signed on behalf of Jones Environmental Laboratory:

Asbestos Team Leader

J E Job No.	Batch	Sample ID	Depth	J E Sample No.	Date Of Analysis	Analysis	Result
15/17326	6	BH105	1.00	200	17/12/2015	Mass of Dry Sample	51.3 (g)
					17/12/2015	General Description (Bulk Analysis)	Soil/Stones
					17/12/2015	Asbestos Containing Material	None
					17/12/2015	Asbestos Containing Material (2)	None
					17/12/2015	Asbestos Screen	NAD
					17/12/2015	Asbestos Screen (2)	NAD
					17/12/2015	Asbestos Level	NAD
					17/12/2015	Waste Limit	<0.1%
						1	1

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

J E Job No.	Batch	Sample ID	Depth	J E Sample No.		Reason
					No deviating sample report results for job 15/17326	

Please note that only samples that are deviating are mentioned in this report. If no samples are listed it is because none were deviating. Only analyses which are accredited are recorded as deviating if set criteria are not met.

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

JE Job No.: 15/17326

SOILS

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCI (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 (UKAS) accreditation applies to surface water and groundwater and one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

DEVIATING SAMPLES

Samples must be received in a condition appropriate to the requested analyses. All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. If this is not the case you will be informed and any test results that may be compromised highlighted on your deviating samples report.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

DILUTIONS

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

NOTE

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a UKAS requirement for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.

Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

ABBREVIATIONS and ACRONYMS USED

#	ISO17025 (UKAS) accredited - UK.
В	Indicates analyte found in associated method blank.
DR	Dilution required.
M	MCERTS accredited.
NA	Not applicable
NAD	No Asbestos Detected.
ND	None Detected (usually refers to VOC and/SVOC TICs).
NDP	No Determination Possible
SS	Calibrated against a single substance
SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
++	Result outside calibration range, results should be considered as indicative only and are not accredited.
*	Analysis subcontracted to a Jones Environmental approved laboratory.
AD	Samples are dried at 35°C ±5°C
СО	Suspected carry over
LOD/LOR	Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS
ME	Matrix Effect
NFD	No Fibres Detected
BS	AQC Sample
LB	Blank Sample
N	Client Sample
TB	Trip Blank Sample
ОС	Outside Calibration Range

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465 and BS1377.	PM0	No preparation is required.				
PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465 and BS1377.	PM0	No preparation is required.			AR	Yes
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes	Yes	AR	Yes
TM5	Modified USEPA 8015B method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) with carbon banding within the range C8-C40 GC-FID.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	Yes
TM5	Modified USEPA 8015B method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) with carbon banding within the range C8-C40 GC-FID.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.	Yes	Yes	AR	Yes
TM5/TM36	TM005: Modified USEPA 8015B. Determination of solvent Extractable Petroleum Hydrocarbons (EPH) including column fractionation in the carbon range of C10-35 into aliphatic and aromatic fractions by GC-FID. TM036: Modified USEPA 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C5-10 by headspace GC-FID.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	Yes
PM13	A visual examination of the solid sample is carried out to ascertain sample make up, colour and any other inclusions. This is not a geotechnical description.	PM0	No preparation is required.			AR	
TM21	Modified USEPA 415.1. Determination of Total Organic Carbon or Total Carbon by combustion in an Eltra TOC furnace/analyser in the presence of oxygen. The CO2 generated is quantified using infra-red detection.	PM24	Dried and ground solid samples are washed with hydrochloric acid, then rinsed with deionised water to remove the mineral carbon before TOC analysis.	Yes		AD	Yes

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.			AD	Yes
ТМ30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.	Yes	Yes	AD	Yes
TM31	Modified USEPA 8015B. Determination of Methyltertbutylether, Benzene, Toluene, Ethylbenzene and Xylene by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM31	Modified USEPA 8015B. Determination of Methyltertbutylether, Benzene, Toluene, Ethylbenzene and Xylene by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes		AR	Yes
TM36	Modified US EPA method 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM36	Modified US EPA method 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes	Yes	AR	Yes
TM65	Asbestos Bulk Identification method based on HSG 248.	PM42	Solid samples undergo a thorough visual inspection for asbestos fibres prior to asbestos identification using TM065.			AR	
TM65	Asbestos Bulk Identification method based on HSG 248.	PM42	Solid samples undergo a thorough visual inspection for asbestos fibres prior to asbestos identification using TM065.	Yes		AR	
TM73	Modified US EPA methods 150.1 and 9045D. Determination of pH by Metrohm automated probe analyser.	PM11	Extraction of as received solid samples using one part solid to 2.5 parts deionised water.	Yes	Yes	AR	No
TM74	Analysis of water soluble boron (20:1 extract) by ICP-OES.	PM32	Hot water soluble boron is extracted from dried and ground samples using a 20:1 ratio.	Yes	Yes	AD	Yes

Jones Environmental Laboratory

Method Code Appendix

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM89	Modified USEPA method OIA-1667. Determination of cyanide by Flow Injection Analyser.	PM45	As received solid samples are extracted with 1M NaOH by orbital shaker for Cyanide and Thiocyanate analysis.	Yes	Yes	AR	Yes



Registered Address: Unit 3 Deeside Point, Zone 3, Deeside Industrial Park, Deeside, CH5 2UA. UK

Unit 3 Deeside Point

Zone 3

Deeside Industrial Park

Deeside CH5 2UA

Geotechnics
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Borders Industrial Park
River Lane
Chester
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CH4 8RJ

Tel: +44 (0) 1244 833780 Fax: +44 (0) 1244 833781





Attention :

Date: 7th January, 2016

Your reference : PN153428

Our reference: Test Report 15/17326 Batch 7

Location : Stockport Bus Station

Date samples received: 12th December, 2015

Status: Final report

Issue:

Seven samples were received for analysis on 12th December, 2015 of which two were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.

All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Compiled By:

Client Name: Geotechnics
Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report : Solid

	10/1/020		 				 	 L		
J E Sample No.	208-210	214-216								
Sample ID	WS205	WS205								
Depth	0.50	1.50						Diagon	e attached n	etee for all
COC No / misc									ations and a	
Containers	VJT	VJT								
Sample Date		11/12/2015								
Sample Type	Soil	Soil								
Batch Number	7	7								
								LOD/LOR	Units	Method No.
Date of Receipt Arsenic **M								-0 F	ma/ka	TM30/PM15
Cadmium *M	0.4	2.3						<0.5 <0.1	mg/kg	TM30/PM15
Chromium *M	11.2	85.5						<0.1	mg/kg mg/kg	TM30/PM15
Copper #M	3	10						<1	mg/kg	TM30/PM15
Lead #M	6	7						<5	mg/kg	TM30/PM15
Mercury *M	<0.1	<0.1						<0.1	mg/kg	TM30/PM15
Nickel **M	5.3	21.2						<0.7	mg/kg	TM30/PM15
Selenium **M	<1	<1						<1	mg/kg	TM30/PM15
Vanadium	4	26						<1	mg/kg	TM30/PM15
Water Soluble Boron **M	0.2	<0.1						<0.1	mg/kg	TM74/PM32
Zinc #M	19	46						<5	mg/kg	TM30/PM15
PAH MS										
Naphthalene #M	<0.04	<0.04						<0.04	mg/kg	TM4/PM8
Acenaphthylene	<0.03	<0.03						<0.03	mg/kg	TM4/PM8
Acenaphthene #M	<0.05	<0.05						<0.05	mg/kg	TM4/PM8
Fluorene #M	<0.04	<0.04						<0.04	mg/kg	TM4/PM8
Phenanthrene *M	0.06	<0.03						<0.03	mg/kg	TM4/PM8
Anthracene #	<0.04	<0.04						<0.04	mg/kg	TM4/PM8
Fluoranthene #M	0.08	<0.03						<0.03	mg/kg	TM4/PM8
Pyrene #	0.08	<0.03						<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene#	0.06	<0.06						<0.06	mg/kg	TM4/PM8
Chrysene #M	0.06	<0.02						<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #M	0.09	<0.07 <0.04						<0.07 <0.04	mg/kg	TM4/PM8 TM4/PM8
Benzo(a)pyrene # Indeno(123cd)pyrene #M	<0.04	<0.04						<0.04	mg/kg mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	<0.04	<0.04						<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	0.04	<0.04						<0.04	mg/kg	TM4/PM8
PAH 16 Total	<0.6	<0.6						<0.6	mg/kg	TM4/PM8
Benzo(b)fluoranthene	0.06	<0.05						<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	0.03	<0.02						<0.02	mg/kg	TM4/PM8
PAH Surrogate % Recovery	115	112						<0	%	TM4/PM8
Methyl Tertiary Butyl Ether ***	<6	-						<6	ug/kg	TM15/PM10
Benzene #M	<5	-						<5	ug/kg	TM15/PM10
Toluene #M	<3	-						<3	ug/kg	TM15/PM10
Ethylbenzene *M	<3	-						<3	ug/kg	TM15/PM10
p/m-Xylene **M	<4	-						<4	ug/kg	TM15/PM10
o-Xylene #M	<4	-						<4	ug/kg	TM15/PM10
Surrogate Recovery Toluene D8	114	-						<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	139	-						<0	%	TM15/PM10
			l	l	l	L				

Client Name: Geotechnics
Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report : Solid

208-210 WS205 0.50 V J T 1/12/2015	214-216 WS205											
0.50 V J T												
VJT	1.50											
VJT	1.50											
											e attached nations and a	
										abbievie	ations and at	Jonyma
1/12/2015	VJT											
	11/12/2015											
Soil	Soil											
/	/									LOD/LOR	Units	Method No.
2/12/2015	12/12/2015											140.
<0.1	<0.1									<0.1	mg/kg	TM36/PM12
											mg/kg	TM36/PM12
												TM36/PM12
												TM5/PM16
												TM5/PM16
												TM5/PM16
												TM5/PM16
												TM5/PM16 TM5/TM36/PM16
\20	\20									\20	mg/kg	T MO/T MOO/PM TO
<0.1	<0.1									<0.1	ma/ka	TM36/PM12
												TM36/PM12
												TM36/PM12
												TM5/PM16
												TM5/PM16
												TM5/PM16
												TM5/PM16
<7	<7									<7		TM5/PM16
<26	<26									<26	mg/kg	TM5/TM36/PM16
<52	<52									<52	mg/kg	TM5/TM36/PM16
-	<5									<5	ug/kg	TM31/PM12
-	<5									<5	ug/kg	TM31/PM12
-	<5									<5	ug/kg	TM31/PM12
-	<5									<5	ug/kg	TM31/PM12
-	<5									<5	ug/kg	TM31/PM12
-	<5									<5	ug/kg	TM31/PM12
<5	-									<5	ug/kg	TM17/PM8
<5	-									<5	ug/kg	TM17/PM8
<5	-									<5	ug/kg	TM17/PM8
<5	-									<5	ug/kg	TM17/PM8
<5	-									<5	ug/kg	TM17/PM8
<5	-									<5	ug/kg	TM17/PM8
	-											TM17/PM8
<35	-									<35	ug/kg	TM17/PM8
410	-40									-40		TM40/DM40
< 1U	<10									<10	ug/kg	TM16/PM8
3 0	7.5									<0.1	%	PM4/PM0
5.0	7.0									-0.1	70	WIO
<10	<10									<10	ug/ka	TM16/PM8
	7 2/12/2015 <0.1 <0.1 <0.2 <4 <7 <7 <26 <0.1 <0.1 <0.2 <4 <7 <7 <26 <52 <5 <5 <5 <5 <5	7 7 2/12/2015 12/12/2015 <0.1	7 7 2/12/2015 12/12/2015 <0.1	7 7 7 2/12/2015	7 7 7	7 7 7	7 7 7	7 7 7	7 7 7	7 7 7	Total	Total

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report : Solid

J E Sample No.	208-210	214-216							
Sample ID	WS205	WS205							
Depth	0.50	1.50					Please se	e attached n	otes for all
COC No / misc								ations and a	
Containers	VJT	VJT							
Sample Date	11/12/2015	11/12/2015							
Sample Type	Soil	Soil							
Batch Number	7	7							
							LOD/LOR	Units	Method No.
Date of Receipt 2-Nitrophenol	<10	<10					<10	ug/kg	TM16/PM8
2,4-Dichlorophenol	<10	<10					<10	ug/kg	TM16/PM8
2,4-Dimethylphenol	<10	<10					<10	ug/kg	TM16/PM8
2,4,5-Trichlorophenol	<10	<10					<10	ug/kg	TM16/PM8
2,4,6-Trichlorophenol	<10	<10					<10	ug/kg	TM16/PM8
4-Chloro-3-methylphenol	<10	<10					<10	ug/kg	TM16/PM8
4-Methylphenol	<10	<10					<10	ug/kg	TM16/PM8
4-Nitrophenol	<10	<10					<10	ug/kg	TM16/PM8
Pentachlorophenol	<10	<10					<10	ug/kg	TM16/PM8
Phenol	<10	<10					<10	ug/kg	TM16/PM8
Total Speciated Phenols MS	<10	<10					<10	ug/kg	TM16/PM8
		.0.0					-0.0		TN 400/FN 400
Hexavalent Chromium #	-	<0.3					<0.3	mg/kg	TM38/PM20 NONE/NONE
Chromium III	-	85.5					<0.5	mg/kg	NONE/NONE
Total Cyanide **M	<0.5	<0.5					<0.5	mg/kg	TM89/PM45
rotal oyumuo								3 3	
Total Organic Carbon #	<0.02	0.15					<0.02	%	TM21/PM24
рН * М	10.43	9.14					<0.01	pH units	TM73/PM11
Sample Type	Sand	Sand						None	PM13/PM0
Sample Colour	Light Grey	Medium Brown						None	PM13/PM0
Other Items	stones	stones						None	PM13/PM0
		•		•		•			

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report: CEN 10:1 1 Batch

				 		 -		
J E Sample No.	208-210					ĺ		
Sample ID	WS205							
Depth	0.50					Please se	e attached n	otos for all
COC No / misc							ations and a	
Containers	VJT							
Sample Date								
Sample Type	Soil							
Batch Number	7							1
						LOD/LOR	Units	Method No.
Date of Receipt						.0.5		TM30/PM14
Dissolved Arsenic # Dissolved Boron #	<2.5 <12					<2.5 <12	ug/l ug/l	TM30/PM14
Dissolved Cadmium #	<0.5					<0.5	ug/l	TM30/PM14
Dissolved Chromium#	13.9					<1.5	ug/l	TM30/PM14
Dissolved Copper#	<7					<7	ug/l	TM30/PM14
Dissolved Lead #	8					<5	ug/l	TM30/PM14
Dissolved Mercury#	<1					<1	ug/l	TM30/PM14
Dissolved Nickel #	4					<2	ug/l	TM30/PM14
Dissolved Selenium#	<3					<3	ug/l	TM30/PM14
Dissolved Vanadium #	5.3					<1.5	ug/l	TM30/PM14
Dissolved Zinc#	5					<3	ug/l	TM30/PM14
PAH MS							_	
Naphthalene	<0.1					<0.1	ug/l	TM4/PM30
Acenaphthylene	0.050 0.050					<0.013 <0.013	ug/l	TM4/PM30 TM4/PM30
Acenaphthene Fluorene	0.050					<0.013	ug/l ug/l	TM4/PM30
Phenanthrene	0.120					<0.014	ug/l	TM4/PM30
Anthracene	0.030					<0.013	ug/l	TM4/PM30
Fluoranthene	0.060					<0.012	ug/l	TM4/PM30
Pyrene	0.050					<0.013	ug/l	TM4/PM30
Benzo(a)anthracene	0.040					<0.015	ug/l	TM4/PM30
Chrysene	0.040					<0.011	ug/l	TM4/PM30
Benzo(bk)fluoranthene	0.060					<0.018	ug/l	TM4/PM30
Benzo(a)pyrene	0.030					<0.016	ug/l	TM4/PM30
Indeno(123cd)pyrene	0.030					<0.011	ug/l	TM4/PM30
Dibenzo(ah)anthracene	<0.01					<0.01	ug/l	TM4/PM30
Benzo(ghi)perylene	0.020					<0.011	ug/l	TM4/PM30
PAH 16 Total	0.630					<0.195 <0.01	ug/l	TM4/PM30 TM4/PM30
Benzo(b)fluoranthene Benzo(k)fluoranthene	0.04					<0.01	ug/l ug/l	TM4/PM30
PAH Surrogate % Recovery	87					<0	%	TM4/PM30
							,,	
Methyl Tertiary Butyl Ether	<1					<1	ug/l	TM15/PM69
Benzene	<1					<1	ug/l	TM15/PM69
Toluene	<2					<2	ug/l	TM15/PM69
Ethylbenzene	<2					<2	ug/l	TM15/PM69
p/m-Xylene	<3					<3	ug/l	TM15/PM69
o-Xylene	<2					<2	ug/l	TM15/PM69
Surrogate Recovery Toluene D8	103					<0	%	TM15/PM69
Surrogate Recovery 4-Bromofluorobenzene	107					<0	%	TM15/PM69
			<u> </u>					

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report: CEN 10:1 1 Batch

JE JOD NO.:	15/1/326							
J E Sample No.	208-210							
Sample ID	WS205							
Depth	0.50						e attached rations and a	
COC No / misc						apprevi	alions and a	cronyms
Containers	VJT							
Sample Date	11/12/2015							
Sample Type	Soil							
Batch Number	7					LOD/LOR	Units	Method
Date of Receipt	12/12/2015							No.
TPH CWG								
Aliphatics								
>C5-C6	<5					<5	ug/l	TM36/PM69
>C6-C8	<5					<5	ug/l	TM36/PM69
>C8-C10	<5					<5	ug/l	TM36/PM69
>C10-C12	<5					<5	ug/l	TM5/PM30
>C12-C16	<10					<10	ug/l	TM5/PM30
>C16-C21	<10					<10	ug/l	TM5/PM30
>C21-C35	<10					<10	ug/l	TM5/PM30
>C35-C44	<10					<10	ug/l	TM5/PM30
Total aliphatics C5-44	<10					<10	ug/l	TM5/TM36/PM30/PM69
Aromatics								
>C5-EC7	<5					<5	ug/l	TM36/PM69
>EC7-EC8	<5					<5	ug/l	TM36/PM69
>EC8-EC10	<5					<5	ug/l	TM36/PM69
>EC10-EC12	<5					<5	ug/l	TM5/PM30
>EC12-EC16	<10					<10	ug/l	TM5/PM30
>EC16-EC21	<10					<10	ug/l	TM5/PM30
>EC21-EC35	<10					<10	ug/l	TM5/PM30
>EC35-EC44	<10					<10	ug/l	TM5/PM30
Total aromatics C5-44	<10					<10	ug/l	TM5/TM36/PM30/PM69
Total aliphatics and aromatics(C5-44)	<10					<10	ug/l	TM5/TM36/PM30/PM69
PCB 28	<0.1					<0.1	ug/l	TM17/PM30
PCB 52	<0.1					<0.1	ug/l	TM17/PM30
PCB 101	<0.1					<0.1	ug/l	TM17/PM30
PCB 118	<0.1					<0.1	ug/l	TM17/PM30
PCB 138	<0.1					<0.1	ug/l	TM17/PM30
PCB 153	<0.1					<0.1	ug/l	TM17/PM30
PCB 180	<0.1					<0.1	ug/l	TM17/PM30
Total 7 PCBs	<0.7					<0.7	ug/l	TM17/PM30
2-Chlorophenol	<0.5					<0.5	ug/l	TM16/PM30
2-Methylphenol	<0.5					<0.5	ug/l	TM16/PM30
2-Nitrophenol	<0.5					<0.5	ug/l	TM16/PM30
2,4-Dichlorophenol	<0.5					<0.5	ug/l	TM16/PM30
2,4-Dimethylphenol	<0.5					<0.5	ug/l	TM16/PM30
2,4,5-Trichlorophenol	<0.5					<0.5	ug/l	TM16/PM30
2,4,6-Trichlorophenol	<0.5					<0.5	ug/l	TM16/PM30
4-Chloro-3-methylphenol	<0.5					<0.5	ug/l	TM16/PM30
4-Methylphenol	<0.5					<0.5	ug/l	TM16/PM30
4-Nitrophenol	<0.5					<0.5	ug/l	TM16/PM30
Pentachlorophenol	<0.5					<0.5	ug/l	TM16/PM30
Phenol	<0.5					<0.5	ug/l	TM16/PM30

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report: CEN 10:1 1 Batch

JE JOB NO.:	15/1/326	 	 	 	 	 		
J E Sample No.	208-210							
Sample ID	WS205							
Depth	0.50					Diago so	e attached n	otoe for all
COC No / misc						abbrevi	ations and a	cronyms
Containers	VJT							
Sample Date	11/12/2015							
Sample Type	Soil							
Batch Number	7					LOD/LOR	Units	Method
Date of Receipt						203/2011	o i ii c	No.
Total Speciated Phenols MS	<6					<6	ug/l	TM16/PM30
Total Cyanide #	<0.01					<0.01	mg/l	TM89/PM0
Mass of raw test portion Leachant Volume	0.094						kg	NONE/PM17 NONE/PM17
Leachant volume	0.896						I	NONE/FIVIT/
Dissolved Organic Carbon	3					<2	mg/l	TM60/PM0
pH	10.99					<0.01	pH units	TM73/PM0

Client Name: Geotechnics

Reference: PN153428
Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

SVOC Report : Solid

JE Job No.:	15/17326								
J E Sample No.	208-210								
Sample ID	WS205								
Depth	0.50						Please se	e attached n	otes for all
COC No / misc	0.00							ations and a	
Containers	VJT								
Sample Date	11/12/2015								
Sample Type	Soil								
Batch Number	7								Method
Date of Receipt	12/12/2015						LOD/LOR	Units	No.
SVOC MS	12/12/2013								
Phenois									
2-Chlorophenoi *M	<10						<10	ug/kg	TM16/PM8
2-Methylphenol	<10						<10	ug/kg	TM16/PM8
2-Nitrophenol	<10						<10	ug/kg	TM16/PM8
2,4-Dichlorophenol **M	<10						<10	ug/kg	TM16/PM8
2,4-Dimethylphenol	<10						<10	ug/kg	TM16/PM8
2,4,5-Trichlorophenol	<10						<10	ug/kg	TM16/PM8
2,4,6-Trichlorophenol	<10						<10	ug/kg	TM16/PM8
4-Chloro-3-methylphenol	<10						<10	ug/kg ug/kg	TM16/PM8
4-Methylphenol	<10						<10	ug/kg	TM16/PM8
4-Nitrophenol	<10						<10	ug/kg	TM16/PM8
Pentachlorophenol	<10						<10	ug/kg	TM16/PM8
Phenol *M	<10						<10	ug/kg	TM16/PM8
PAHs							1.5	-99	
2-Chloronaphthalene #M	<10						<10	ug/kg	TM16/PM8
2-Methylnaphthalene **M	<10						<10	ug/kg ug/kg	TM16/PM8
Phthalates							1.5	-99	
Bis(2-ethylhexyl) phthalate	<100						<100	ug/kg	TM16/PM8
Butylbenzyl phthalate	<100						<100	ug/kg	TM16/PM8
Di-n-butyl phthalate	<100						<100	ug/kg	TM16/PM8
Di-n-Octyl phthalate	<100						<100	ug/kg	TM16/PM8
Diethyl phthalate	<100						<100	ug/kg	TM16/PM8
Dimethyl phthalate #M	<100						<100	ug/kg	TM16/PM8
Other SVOCs	1100						100	ug/kg	TIVITO/I IVIO
1,2-Dichlorobenzene	<10						<10	ug/kg	TM16/PM8
1,2,4-Trichlorobenzene **M	<10						<10	ug/kg	TM16/PM8
1,3-Dichlorobenzene	<10						<10	ug/kg	TM16/PM8
1,4-Dichlorobenzene	<10						<10	ug/kg	TM16/PM8
2-Nitroaniline	<10						<10	ug/kg	TM16/PM8
2,4-Dinitrotoluene	<10						<10	ug/kg	TM16/PM8
2,6-Dinitrotoluene	<10						<10	ug/kg	TM16/PM8
3-Nitroaniline	<10						<10	ug/kg	TM16/PM8
4-Bromophenylphenylether **M	<10						<10	ug/kg	TM16/PM8
4-Chloroaniline	<10						<10	ug/kg	TM16/PM8
4-Chlorophenylphenylether	<10						<10	ug/kg	TM16/PM8
4-Nitroaniline	<10						<10	ug/kg	TM16/PM8
Azobenzene	<10						<10	ug/kg	TM16/PM8
Bis(2-chloroethoxy)methane	<10						<10	ug/kg	TM16/PM8
Bis(2-chloroethyl)ether	<10						<10	ug/kg	TM16/PM8
Carbazole	<10						<10	ug/kg	TM16/PM8
Dibenzofuran #M	<10						<10	ug/kg	TM16/PM8
Hexachlorobenzene	<10						<10	ug/kg	TM16/PM8
Hexachlorobutadiene **M	<10						<10	ug/kg	TM16/PM8
Hexachlorocyclopentadiene	<10						<10	ug/kg	TM16/PM8
Hexachloroethane	<10						<10	ug/kg	TM16/PM8
Isophorone #M	<10						<10	ug/kg	TM16/PM8
N-nitrosodi-n-propylamine ***	<10						<10	ug/kg	TM16/PM8
Nitrobenzene #M	<10						<10	ug/kg	TM16/PM8
			•	•					

Client Name: Geotechnics SVOC Report : CEN 10:1 1 Batch

Reference: PN153428
Location: Stockport Bus Station

Contact:

JE Job No.:	15/17326							
J E Sample No.	208-210							
Sample ID	WS205							
Depth	0.50						e attached n	
COC No / misc						abbrevia	ations and a	cronyms
Containers	V J T 11/12/2015							
Sample Date Sample Type	Soil							
Batch Number	7							Method
Date of Receipt	12/12/2015					LOD/LOR	Units	No.
SVOC MS								
Phenois								T1440/D1400
2-Chlorophenol 2-Methylphenol	<1 <0.5					<1 <0.5	ug/l ug/l	TM16/PM30 TM16/PM30
2-Nitrophenol	<0.5					<0.5	ug/l	TM16/PM30
2,4-Dichlorophenol	<0.5					<0.5	ug/l	TM16/PM30
2,4-Dimethylphenol	<1					<1	ug/l	TM16/PM30
2,4,5-Trichlorophenol	<0.5					<0.5	ug/l	TM16/PM30
2,4,6-Trichlorophenol	<1					<1	ug/l	TM16/PM30
4-Chloro-3-methylphenol 4-Methylphenol	<0.5 <1					<0.5 <1	ug/l ug/l	TM16/PM30 TM16/PM30
4-Nitrophenol	<10					<10	ug/l	TM16/PM30
Pentachlorophenol	<1					<1	ug/l	TM16/PM30
Phenol	<1					<1	ug/l	TM16/PM30
PAHs							-	
2-Chloronaphthalene	<1 <1					<1	ug/l	TM16/PM30 TM16/PM30
2-Methylnaphthalene Phthalates	<u> </u>					<1	ug/l	1 IVI 10/PIVI30
Bis(2-ethylhexyl) phthalate	<5					<5	ug/l	TM16/PM30
Butylbenzyl phthalate	<1					<1	ug/l	TM16/PM30
Di-n-butyl phthalate	<1.5					<1.5	ug/l	TM16/PM30
Di-n-Octyl phthalate	<1					<1	ug/l	TM16/PM30
Diethyl phthalate	<1					<1	ug/l	TM16/PM30 TM16/PM30
Dimethyl phthalate Other SVOCs	<1					<1	ug/l	TIVITO/PIVISU
1,2-Dichlorobenzene	<1					<1	ug/l	TM16/PM30
1,2,4-Trichlorobenzene	<1					<1	ug/l	TM16/PM30
1,3-Dichlorobenzene	<1					<1	ug/l	TM16/PM30
1,4-Dichlorobenzene	<1					<1	ug/l	TM16/PM30
2-Nitroaniline 2,4-Dinitrotoluene	<1 <0.5					<1 <0.5	ug/l ug/l	TM16/PM30 TM16/PM30
2,6-Dinitrotoluene	<1					<1	ug/l	TM16/PM30
3-Nitroaniline	<1					<1	ug/l	TM16/PM30
4-Bromophenylphenylether	<1					<1	ug/l	TM16/PM30
4-Chloroaniline	<1					<1	ug/l	TM16/PM30
4-Chlorophenylphenylether	<1					<1	ug/l	TM16/PM30 TM16/PM30
4-Nitroaniline Azobenzene	<0.5 <0.5					<0.5 <0.5	ug/l ug/l	TM16/PM30
Bis(2-chloroethoxy)methane	<0.5					<0.5	ug/l	TM16/PM30
Bis(2-chloroethyl)ether	<1					<1	ug/l	TM16/PM30
Carbazole	<0.5					<0.5	ug/l	TM16/PM30
Dibenzofuran	<0.5					<0.5	ug/l	TM16/PM30
Hexachlorobenzene Hexachlorobutadiene	<1 <1					<1 <1	ug/l ug/l	TM16/PM30 TM16/PM30
Hexachlorocyclopentadiene	<1					<1	ug/l	TM16/PM30
Hexachloroethane	<1					<1	ug/l	TM16/PM30
Isophorone	<0.5					<0.5	ug/l	TM16/PM30
N-nitrosodi-n-propylamine	<0.5					<0.5	ug/l	TM16/PM30
Nitrobenzene	<1					<1	ug/l	TM16/PM30
			l	l				

Client Name: Geotechnics

Reference: PN153428
Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

VOC Report : Solid

JE Job No.:	15/17326							
J E Sample No.	208-210]		
Sample ID	WS205							
Depth	0.50					Please se	e attached n	otes for all
COC No / misc							ations and a	
Containers	VJT							
Sample Date	11/12/2015							
Sample Type	Soil							
Batch Number Date of Receipt	7 12/12/2015					LOD/LOR	Units	Method No.
VOC MS	12/12/2015							110.
Dichlorodifluoromethane	<2					<2	ug/kg	TM15/PM10
Methyl Tertiary Butyl Ether ***	<6					<6	ug/kg	TM15/PM10
Chloromethane #	<3					<3	ug/kg	TM15/PM10
Vinyl Chloride	<2					<2	ug/kg	TM15/PM10
Bromomethane	<1					<1	ug/kg	TM15/PM10
Chloroethane *** Trichlorofluoromethane ***	<6 <3					<6 <3	ug/kg ug/kg	TM15/PM10
1,1-Dichloroethene (1,1 DCE) **M	<6					<6	ug/kg	TM15/PM10
Dichloromethane (DCM) #	<7					<7	ug/kg	TM15/PM10
trans-1-2-Dichloroethene #	<3					<3	ug/kg	TM15/PM10
1,1-Dichloroethane #M	<6					<6	ug/kg	TM15/PM10
cis-1-2-Dichloroethene #M	<7					<7	ug/kg	TM15/PM10
2,2-Dichloropropane	<4					<4	ug/kg	TM15/PM10
Bromochloromethane #M Chloroform #M	<4 <5					<4 <5	ug/kg ug/kg	TM15/PM10
1,1,1-Trichloroethane ***	<5 <5					<5 <5	ug/kg ug/kg	TM15/PM10
1,1-Dichloropropene #	<3					<3	ug/kg	TM15/PM10
Carbon tetrachloride #M	<4					<4	ug/kg	TM15/PM10
1,2-Dichloroethane **M	<5					<5	ug/kg	TM15/PM10
Benzene *M	<5					<5	ug/kg	TM15/PM10
Trichloroethene (TCE) #M	<5					<5	ug/kg	TM15/PM10
1,2-Dichloropropane **M Dibromomethane **M	<4 <4					<4	ug/kg	TM15/PM10
Bromodichloromethane #M	<4					<4 <4	ug/kg ug/kg	TM15/PM10
cis-1-3-Dichloropropene	<4					<4	ug/kg	TM15/PM10
Toluene *M	<3					<3	ug/kg	TM15/PM10
trans-1-3-Dichloropropene	<3					<3	ug/kg	TM15/PM10
1,1,2-Trichloroethane #M	<4					<4	ug/kg	TM15/PM10
Tetrachloroethene (PCE)#	<3					<3	ug/kg	TM15/PM10
1,3-Dichloropropane #M	<4 <5					<4	ug/kg	TM15/PM10
Dibromochloromethane #M 1,2-Dibromoethane #	<3					<5 <3	ug/kg ug/kg	TM15/PM10
Chlorobenzene *M	<4					<4	ug/kg	TM15/PM10
1,1,1,2-Tetrachloroethane #M	<5					<5	ug/kg	TM15/PM10
Ethylbenzene *M	<3					<3	ug/kg	TM15/PM10
p/m-Xylene #M	<4					<4	ug/kg	TM15/PM10
o-Xylene *M	<4					<4	ug/kg	TM15/PM10
Styrene Bromeform	<3					<3	ug/kg	TM15/PM10
Bromoform Isopropylbenzene #	<4 <3					<4 <3	ug/kg ug/kg	TM15/PM10
1,1,2,2-Tetrachloroethane #M	<3 <3					<3	ug/kg ug/kg	TM15/PM10
Bromobenzene	<2					<2	ug/kg	TM15/PM10
1,2,3-Trichloropropane #M	<4					<4	ug/kg	TM15/PM10
Propylbenzene #	<4					<4	ug/kg	TM15/PM10
2-Chlorotoluene	<3					<3	ug/kg	TM15/PM10
1,3,5-Trimethylbenzene #	<3					<3	ug/kg	TM15/PM10
4-Chlorotoluene tert-Butylbenzene *	<3 <5					<3 <5	ug/kg	TM15/PM10
1,2,4-Trimethylbenzene #	<5 <6					<5 <6	ug/kg ug/kg	TM15/PM10
sec-Butylbenzene#	<4					<4	ug/kg	TM15/PM10
4-Isopropyltoluene #	<4					<4	ug/kg	TM15/PM10
1,3-Dichlorobenzene #M	<4					<4	ug/kg	TM15/PM10
1,4-Dichlorobenzene #	<4					<4	ug/kg	TM15/PM10
n-Butylbenzene#	<4					<4	ug/kg	TM15/PM10
1,2-Dichlorobenzene *** 1,2-Dichlorobenzene **	<4 <4					<4 <4	ug/kg	TM15/PM10
1,2-Dibromo-3-chloropropane # 1,2,4-Trichlorobenzene #	<4 <7					<4 <7	ug/kg ug/kg	TM15/PM10
Hexachlorobutadiene	<4					<4	ug/kg	TM15/PM10
Naphthalene	<27					<27	ug/kg	TM15/PM10
1,2,3-Trichlorobenzene #	<7					<7	ug/kg	TM15/PM10
Surrogate Recovery Toluene D8	114					<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	139					<0	%	TM15/PM10

Client Name: Geotechnics VOC Report : CEN 10:1 1 Batch

Reference: PN153428
Location: Stockport Bus Station

Contact:

JE Job No.:	15/17326								
J E Sample No.	208-210								
Sample ID	WS205								
Depth	0.50							e attached n	
COC No / misc							abbrevi	ations and a	cronyms
Containers Sample Date	V J T 11/12/2015								
Sample Type	Soil								
Batch Number	7						1 OD# OD	Haita	Method
Date of Receipt	12/12/2015						LOD/LOR	Units	No.
VOC MS									
Dichlorodifluoromethane Methyl Tertiary Butyl Ether	<2 <1						<2 <1	ug/l ug/l	TM15/PM69 TM15/PM69
Chloromethane	<3						<3	ug/l	TM15/PM69
Vinyl Chloride	<0.1						<0.1	ug/l	TM15/PM69
Bromomethane	<1						<1	ug/l	TM15/PM69
Chloroethane	<3						<3	ug/l	TM15/PM69
Trichlorofluoromethane	<3 <3						<3	ug/l	TM15/PM69 TM15/PM69
1,1-Dichloroethene (1,1 DCE) Dichloromethane (DCM)	<3						<3 <3	ug/l ug/l	TM15/PM69
trans-1-2-Dichloroethene	<3						<3	ug/l	TM15/PM69
1,1-Dichloroethane	<3						<3	ug/l	TM15/PM69
cis-1-2-Dichloroethene	<3						<3	ug/l	TM15/PM69
2,2-Dichloropropane	<1						<1	ug/l	TM15/PM69 TM15/PM69
Bromochloromethane Chloroform	<2 <2						<2 <2	ug/l ug/l	TM15/PM69 TM15/PM69
1,1,1-Trichloroethane	<2						<2	ug/l	TM15/PM69
1,1-Dichloropropene	<3						<3	ug/l	TM15/PM69
Carbon tetrachloride	<2						<2	ug/l	TM15/PM69
1,2-Dichloroethane	<2 <1						<2	ug/l	TM15/PM69 TM15/PM69
Benzene Trichloroethene (TCE)	<3						<1 <3	ug/l ug/l	TM15/PM69
1,2-Dichloropropane	<2						<2	ug/l	TM15/PM69
Dibromomethane	<3						<3	ug/l	TM15/PM69
Bromodichloromethane	<2						<2	ug/l	TM15/PM69
cis-1-3-Dichloropropene	<2						<2	ug/l	TM15/PM69 TM15/PM69
Toluene trans-1-3-Dichloropropene	<2 <2						<2 <2	ug/l ug/l	TM15/PM69
1,1,2-Trichloroethane	<2						<2	ug/l	TM15/PM69
Tetrachloroethene (PCE)	<3						<3	ug/l	TM15/PM69
1,3-Dichloropropane	<2						<2	ug/l	TM15/PM69
Dibromochloromethane 1,2-Dibromoethane	<2 <2						<2 <2	ug/l ug/l	TM15/PM69 TM15/PM69
Chlorobenzene	<2						<2	ug/l	TM15/PM69
1,1,1,2-Tetrachloroethane	<2						<2	ug/l	TM15/PM69
Ethylbenzene	<2						<2	ug/l	TM15/PM69
p/m-Xylene	<3						<3	ug/l	TM15/PM69
o-Xylene Styrene	<2 <2						<2 <2	ug/l ug/l	TM15/PM69 TM15/PM69
Bromoform	<2						<2	ug/l	TM15/PM69
Isopropylbenzene	<3						<3	ug/l	TM15/PM69
1,1,2,2-Tetrachloroethane	<4						<4	ug/l	TM15/PM69
Bromobenzene	<2						<2	ug/l	TM15/PM69
1,2,3-Trichloropropane Propylbenzene	<3 <3						<3 <3	ug/l ug/l	TM15/PM69 TM15/PM69
2-Chlorotoluene	<3						<3	ug/l	TM15/PM69
1,3,5-Trimethylbenzene	<3						<3	ug/l	TM15/PM69
4-Chlorotoluene	<3						<3	ug/l	TM15/PM69
tert-Butylbenzene	<3						<3	ug/l	TM15/PM69
1,2,4-Trimethylbenzene sec-Butylbenzene	<3 <3						<3 <3	ug/l ug/l	TM15/PM69 TM15/PM69
4-Isopropyltoluene	<3						<3	ug/l	TM15/PM69
1,3-Dichlorobenzene	<3						<3	ug/l	TM15/PM69
1,4-Dichlorobenzene	<3						<3	ug/l	TM15/PM69
n-Butylbenzene	<3 <3						<3	ug/l	TM15/PM69
1,2-Dichlorobenzene 1,2-Dibromo-3-chloropropane	<3 <2						<3 <2	ug/l ug/l	TM15/PM69 TM15/PM69
1,2,4-Trichlorobenzene	<3						<3	ug/l	TM15/PM69
Hexachlorobutadiene	<3						<3	ug/l	TM15/PM69
Naphthalene	<2						<2	ug/l	TM15/PM69
1,2,3-Trichlorobenzene	<3 103						<3 <0	ug/l %	TM15/PM69 TM15/PM69
Surrogate Recovery Toluene D8 Surrogate Recovery 4-Bromofluorobenzene	103						<0	%	TM15/PM69 TM15/PM69
Squite i receivery 4-bromonuorobenzene	107	l	 		 	 l	~0	/0	TIVITO/T IVIOS

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

Note:

Analysis was carried out in accordance with our documented in-house methods PM042 and TM065 and HSG 248 by Stereo and Polarised Light Microscopy using Dispersion Staining Techniques and is covered by our UKAS accreditation. Samples are retained for not less than 6 months from the date of analysis unless specifically requested.

Opinions lie outside the scope of our UKAS accreditation.

Where the sample is not taken by a Jones Environmental Laboratory consultant, Jones Environmental Laboratory cannot be responsible for inaccurate or unrepresentative sampling.

Any questionable sample will automatically be assumed to have breached the Waste Limit and further testing may be required.

Signed on behalf of Jones Environmental Laboratory:

Asbestos Team Leader

J E Job No.	Batch	Sample ID	Depth	J E Sample No.	Date Of Analysis	Analysis	Result
15/17326	7	WS205	0.50	209	23/12/2015	Mass of Dry Sample	55.4 (g)
					23/12/2015	General Description (Bulk Analysis)	Soil/Stone
					23/12/2015	Asbestos Containing Material	None
					23/12/2015	Asbestos Containing Material (2)	None
					23/12/2015	Asbestos Screen	NAD
					23/12/2015	Asbestos Screen (2)	NAD
					23/12/2015	Asbestos Level	NAD
					23/12/2015	Waste Limit	<0.1%
					l	I	1

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

JE Job No.: 15/17326

SOILS

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCI (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 (UKAS) accreditation applies to surface water and groundwater and one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

DEVIATING SAMPLES

Samples must be received in a condition appropriate to the requested analyses. All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. If this is not the case you will be informed and any test results that may be compromised highlighted on your deviating samples report.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

DILUTIONS

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

NOTE

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a UKAS requirement for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.

Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

ABBREVIATIONS and ACRONYMS USED

#	ISO17025 (UKAS) accredited - UK.
В	Indicates analyte found in associated method blank.
DR	Dilution required.
M	MCERTS accredited.
NA	Not applicable
NAD	No Asbestos Detected.
ND	None Detected (usually refers to VOC and/SVOC TICs).
NDP	No Determination Possible
SS	Calibrated against a single substance
SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
++	Result outside calibration range, results should be considered as indicative only and are not accredited.
*	Analysis subcontracted to a Jones Environmental approved laboratory.
AD	Samples are dried at 35°C ±5°C
СО	Suspected carry over
LOD/LOR	Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS
ME	Matrix Effect
NFD	No Fibres Detected
BS	AQC Sample
LB	Blank Sample
N	Client Sample
TB	Trip Blank Sample
ОС	Outside Calibration Range

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465 and BS1377.	PM0	No preparation is required.				
PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465 and BS1377.	PM0	No preparation is required.			AR	Yes
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.			AR	Yes
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.			AR	
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes	Yes	AR	Yes
TM5	Modified USEPA 8015B method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) with carbon banding within the range C8-C40 GC-FID.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	Yes
TM5	Modified USEPA 8015B method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) with carbon banding within the range C8-C40 GC-FID.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.	Yes	Yes	AR	Yes
TM5	Modified USEPA 8015B method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) with carbon banding within the range C8-C40 GC-FID.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.			AR	Yes

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM5/TM36	TM005: Modified USEPA 8015B. Determination of solvent Extractable Petroleum Hydrocarbons (EPH) including column fractionation in the carbon range of C10-35 into aliphatic and aromatic fractions by GC-FID. TM036: Modified USEPA 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C5-10 by headspace GC-FID.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	Yes
TM5/TM36	TM005: Modified USEPA 8015B. Determination of solvent Extractable Petroleum Hydrocarbons (EPH) including column fractionation in the carbon range of C10-35 into aliphatic and aromatic fractions by GC-FID. TM036: Modified USEPA 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C5-10 by headspace GC-FID.	PM30/PM69	PM030: Eluate samples are extracted with solvent using a magnetic stirrer to create a vortex.PM069: One part soil is mixed with 10 parts water in a vial leaving no headspace. The mixture is shaken and then left to leach for 24 hours before VOC analysis.			AR	Yes
PM13	A visual examination of the solid sample is carried out to ascertain sample make up, colour and any other inclusions. This is not a geotechnical description.	PM0	No preparation is required.			AR	
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes		AR	Yes
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes	Yes	AR	Yes
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM69	Modified BS EN 12457 method. One part soil is mixed with 10 parts water in a vial leaving no headspace. The mixture is shaken and then left to leach for 24 hours before VOC analysis.			AR	Yes
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM69	Modified BS EN 12457 method. One part soil is mixed with 10 parts water in a vial leaving no headspace. The mixture is shaken and then left to leach for 24 hours before VOC analysis.			AR	
TM16	Modified USEPA 8270. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.			AR	Yes
TM16	Modified USEPA 8270. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.			AR	

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM16	Modified USEPA 8270. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes
TM16	Modified USEPA 8270. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes	Yes	AR	Yes
TM17	Modified US EPA method 8270. Determination of specific Polychlorinated Biphenyl congeners by GC-MS.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.			AR	Yes
TM17	Modified US EPA method 8270. Determination of specific Polychlorinated Biphenyl congeners by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM21	Modified USEPA 415.1. Determination of Total Organic Carbon or Total Carbon by combustion in an Eltra TOC furnace/analyser in the presence of oxygen. The CO2 generated is quantified using infra-red detection.	PM24	Dried and ground solid samples are washed with hydrochloric acid, then rinsed with deionised water to remove the mineral carbon before TOC analysis.	Yes		AD	Yes
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7	PM14	Analysis of waters and leachates for metals by ICP OES. Samples are filtered for dissolved metals and acidified if required.	Yes		AR	Yes
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.			AD	Yes
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.	Yes	Yes	AD	Yes
TM31	Modified USEPA 8015B. Determination of Methyltertbutylether, Benzene, Toluene, Ethylbenzene and Xylene by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM31	Modified USEPA 8015B. Determination of Methyltertbutylether, Benzene, Toluene, Ethylbenzene and Xylene by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes		AR	Yes

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM36	Modified US EPA method 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM36	Modified US EPA method 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes	Yes	AR	Yes
TM36	Modified US EPA method 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID.	PM69	Modified BS EN 12457 method. One part soil is mixed with 10 parts water in a vial leaving no headspace. The mixture is shaken and then left to leach for 24 hours before VOC analysis.			AR	Yes
TM38	Soluble Ion analysis using the Thermo Aquakem Photometric Automatic Analyser. Modified US EPA methods 325.2, 375.4, 365.2, 353.1, 354.1	PM20	Extraction of dried and ground samples with deionised water in a 2:1 water to solid ratio for anions. Extraction of as received samples with deionised water in a 2:1 water to solid ratio for ammoniacal nitrogen. Samples are extracted using an orbital shaker.	Yes		AR	Yes
TM60	Modified USEPA 9060. Determination of TOC by calculation from Total Carbon and Inorganic Carbon using a TOC analyser, the carbon in the sample is converted to CO2 and then passed through a non-dispersive infrared gas analyser (NDIR).	PM0	No preparation is required.			AR	Yes
TM65	Asbestos Bulk Identification method based on HSG 248.	PM42	Solid samples undergo a thorough visual inspection for asbestos fibres prior to asbestos identification using TM065.			AR	
TM65	Asbestos Bulk Identification method based on HSG 248.	PM42	Solid samples undergo a thorough visual inspection for asbestos fibres prior to asbestos identification using TM065.	Yes		AR	
TM73	Modified US EPA methods 150.1 and 9045D. Determination of pH by Metrohm automated probe analyser.	PM0	No preparation is required.			AR	Yes
TM73	Modified US EPA methods 150.1 and 9045D. Determination of pH by Metrohm automated probe analyser.	PM11	Extraction of as received solid samples using one part solid to 2.5 parts deionised water.	Yes	Yes	AR	No
TM74	Analysis of water soluble boron (20:1 extract) by ICP-OES.	PM32	Hot water soluble boron is extracted from dried and ground samples using a 20:1 ratio.	Yes	Yes	AD	Yes

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM89	Modified USEPA method OIA-1667. Determination of cyanide by Flow Injection Analyser.	PM0	No preparation is required.	Yes		AR	Yes
TM89	Modified USEPA method OIA-1667. Determination of cyanide by Flow Injection Analyser.	PM45	As received solid samples are extracted with 1M NaOH by orbital shaker for Cyanide and Thiocyanate analysis.	Yes	Yes	AR	Yes
NONE	No Method Code	NONE	No Method Code			AR	Yes
NONE	No Method Code	PM17	Modified method EN12457-2 As received solid samples are leached with water in a 10:1 water to soil ratio for 24 hours, the moisture content of the sample is included in the ratio.				
NONE	No Method Code	PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465 and BS1377.			AR	



Registered Address: Unit 3 Deeside Point, Zone 3, Deeside Industrial Park, Deeside, CH5 2UA. UK

Unit 3 Deeside Point

Zone 3

Deeside Industrial Park

Deeside CH5 2UA

Geotechnics
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River Lane
Chester
Cheshire
CH4 8RJ

Tel: +44 (0) 1244 833780 Fax: +44 (0) 1244 833781







Attention :

Date: 7th January, 2016

Your reference : PN153428

Our reference : Test Report 15/17326 Batch 8

Location : Stockport Bus Station

Date samples received: 12th December, 2015

Status: Final report

Issue:

Seventeen samples were received for analysis on 12th December, 2015 of which six were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.

All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Compiled By:

Client Name: Geotechnics
Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report : Solid

JE Job No.:	15/17326								ı		
J E Sample No.	226-228	229-231	235-237	244-246	250-252	271-273					
Sample ID	HP02	HP02	HP01	WS210	WS210	WS223					
Depth	0.20	0.50	0.20	0.20	1.00	1.00			Please se	e attached n	otes for all
COC No / misc										ations and a	
Containers	VJT	VJT	VJT	VJT	VJT	VJT					
Sample Date	09/12/2015	09/12/2015	09/12/2015	09/12/2015	09/12/2015	10/12/2015					
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil					
Batch Number	8	8	8	8	8	8			LOD/LOR	Units	Method
Date of Receipt	12/12/2015	12/12/2015	12/12/2015	12/12/2015	12/12/2015	12/12/2015			LODILOIT	Onio	No.
Arsenic #M	8.0	8.8	21.5	24.1	19.1	1.4			<0.5	mg/kg	TM30/PM1
Cadmium #M	0.6	<0.1	0.3	0.4	0.1	10.1			<0.1	mg/kg	TM30/PM1
Chromium #M	66.0	87.3	58.0	66.3	51.4	16.1			<0.5	mg/kg	TM30/PM1
Copper #M	38	11	153	173	86	17			<1	mg/kg	TM30/PM1
_ead ^{#M}	85	18	68	192	106	46			<5	mg/kg	TM30/PM1
Mercury #M	<0.1	<0.1	0.3	6.5	0.4	<0.1			<0.1	mg/kg	TM30/PM1
Nickel #M	30.2	14.9	63.4	64.9	38.9	5.7			<0.7	mg/kg	TM30/PM1
Selenium #M	<1	<1	2	2	2	<1			<1	mg/kg	TM30/PM1
Vanadium	38	18	98	99	56	5			<1	mg/kg	TM30/PM1
Water Soluble Boron ***	1.3	1.2	4.0	2.0	1.9	0.2			<0.1	mg/kg	TM74/PM32
Zinc #M	62	20	109	185	142	42			<5	mg/kg	TM30/PM1
PAH MS											
Naphthalene #M	<0.04	<0.04	0.77	21.42 _{AC}	0.92	<0.04			<0.04	mg/kg	TM4/PM8
Acenaphthylene	<0.03	<0.03	0.80	10.58 _{AC}	0.96	<0.03			<0.03	mg/kg	TM4/PM8
Acenaphthene #M	0.06	<0.05	1.08	222.46 _{AC}	0.63	<0.05			<0.05	mg/kg	TM4/PM8
Fluorene #M	<0.04	<0.04	0.91	175.01 _{AC}	0.77	<0.04			<0.04	mg/kg	TM4/PM8
Phenanthrene *M	0.38	0.17	9.61	1260.46 _{AC}	5.71	0.05			<0.03	mg/kg	TM4/PM8
Anthracene #	0.09	0.04	2.75	363.51 _{AC}	1.66	<0.04			<0.04	mg/kg	TM4/PM8
Fluoranthene **M	0.58	0.27	18.70	1312.54 _{AC}	7.70	0.06			<0.03	mg/kg	TM4/PM8
Pyrene #	0.52	0.25	18.76	1372.58 _{AC}	7.68	0.06			<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene#	0.27	0.14	9.46	591.71 _{AC}	3.66	0.06			<0.06	mg/kg	TM4/PM8
Chrysene *M	0.31	0.15	10.70	628.96 _{AC}	4.00	0.05			<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #M	0.35	0.18	15.65	801.62 _{AC}	5.35	<0.07			<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	0.28	0.14	11.91	649.52 _{AC}	4.23	0.05			<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene #M	0.14	0.07	6.32	317.37 _{AC}	2.42	<0.04			<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	<0.04	<0.04	1.42	58.58 _{AC}	0.73	<0.04			<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	0.12	0.07	6.75	301.71 _{AC}	2.59	<0.04			<0.04	mg/kg	TM4/PM8
PAH 16 Total	3.1	1.5	115.6	8088.0 _{AC}	49.0	<0.6			<0.6	mg/kg	TM4/PM8
Benzo(b)fluoranthene	0.25	0.13	11.27	577.17 _{AC}	3.85	<0.05			<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	0.10	0.05	4.38	224.45 _{AC}	1.50	<0.02			<0.02	mg/kg	TM4/PM8
PAH Surrogate % Recovery	100	102	103	130 _{AC}	114	116			<0	%	TM4/PM8
Methyl Tertiary Butyl Ether #M	<6	<6	<6	<6	<6	<6			<6	ug/kg	TM15/PM10
Benzene #M	<5	<5	<5	<5	<5	<5			<5	ug/kg	TM15/PM10
Toluene #M	<3	<3	5	24	13	<3			<3	ug/kg	TM15/PM10
Ethylbenzene #M	<3	<3	<3	62	<3	<3			<3	ug/kg	TM15/PM10
o/m-Xylene #M	<4	<4	<4	69	13	<4			<4	ug/kg	TM15/PM10
o-Xylene #M	<4	<4	<4	27	9	<4			<4	ug/kg	TM15/PM10
Surrogate Recovery Toluene D8	112	111	103	83	101	113			<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	111	130	74	70	81	131			<0	%	TM15/PM10
		1	1	1		1		1	1		1

Client Name: Geotechnics
Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report : Solid

JE Job No.:	15/17326										
J E Sample No.	226-228	229-231	235-237	244-246	250-252	271-273					
Sample ID	HP02	HP02	HP01	WS210	WS210	WS223					
Depth	0.20	0.50	0.20	0.20	1.00	1.00			Diagon	44	-t fII
COC No / misc										e attached nations and a	
Containers	VJT	VJT	VJT	VJT	VJT	VJT					
Sample Date	09/12/2015	09/12/2015	09/12/2015	09/12/2015	09/12/2015	10/12/2015					
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil					
Batch Number	8	8	8	8	8	8					Method
Date of Receipt	12/12/2015	12/12/2015	12/12/2015	12/12/2015	12/12/2015	12/12/2015			LOD/LOR	Units	No.
TPH CWG											
Aliphatics											
>C5-C6 **M	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			<0.1	mg/kg	TM36/PM12
>C6-C8 #M	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			<0.1	mg/kg	TM36/PM12
>C8-C10	<0.1	<0.1	<0.1	0.3	<0.1	<0.1			<0.1	mg/kg	TM36/PM12
>C10-C12 **M	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2			<0.2	mg/kg	TM5/PM16
>C12-C16 **M	<4	<4	<4	23	<4	<4			<4	mg/kg	TM5/PM16
>C16-C21 #M	20	<7	12	111	9	<7			<7	mg/kg	TM5/PM16
>C21-C35 **M	436	<7	35	266	<7	62			<7	mg/kg	TM5/PM16
>C35-C44	392	<7	<7	53	<7	<7			<7	mg/kg	TM5/PM16
Total aliphatics C5-44	848	<26	47	453	<26	62			<26	mg/kg	TM5/TM36/PM1
Aromatics											
>C5-EC7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			<0.1	mg/kg	TM36/PM12
>EC7-EC8	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			<0.1	mg/kg	TM36/PM12
>EC8-EC10 #M	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			<0.1	mg/kg	TM36/PM12
>EC10-EC12	<0.2	<0.2	1.7	22.9	1.7	<0.2			<0.2	mg/kg	TM5/PM16
>EC12-EC16	8	<4	37	467	28	<4			<4	mg/kg	TM5/PM16
>EC16-EC21	93	<7	416	3055	159	<7			<7	mg/kg	TM5/PM16
>EC21-EC35	925	<7	1069	5438	401	31			<7	mg/kg	TM5/PM16
>EC35-EC44	1019	<7	106	543	40	<7			<7	mg/kg	TM5/PM16
Total aromatics C5-44 Total aliphatics and aromatics(C5-44)	2045 2893	<26 <52	1630 1677	9526 9979	630 630	31 93			<26 <52	mg/kg	TM5/TM36/PM10
Total aliphatics and alomatics(CO-44)	2093	\52	1077	9979	630	93			\52	mg/kg	TWS/TWSO/FWT
PCB 28 #	<5	<5	<5	<5	<5	<5			<5	ug/kg	TM17/PM8
PCB 52#	<5	<5	<5	<5	<5	<5			<5	ug/kg	TM17/PM8
PCB 101 #	<5	<5	<5	<5	<5	<5			<5	ug/kg	TM17/PM8
PCB 118 #	<5	<5	<5	<5	<5	<5			<5	ug/kg	TM17/PM8
PCB 138 #	<5	<5	<5	<5	<5	<5			<5	ug/kg	TM17/PM8
PCB 153 #	<5	<5	<5	<5	<5	<5			<5	ug/kg	TM17/PM8
PCB 180#	<5	<5	<5	<5	<5	<5			<5	ug/kg	TM17/PM8
Total 7 PCBs#	<35	<35	<35	<35	<35	<35			<35	ug/kg	TM17/PM8
2-Chlorophenol	<50 _{AA}	<10	<50 _{AA}	<100 _{AB}	<10	<10			<10	ug/kg	TM16/PM8
Natural Moisture Content	13.1	12.2	14.8	13.6	17.1	3.5			<0.1	%	PM4/PM0
2-Methylphenol	<50 _{AA}	<10	<50 _{AA}	<100 _{AB}	159	<10			<10	ug/kg	TM16/PM8
2-Nitrophenol	<50 _{AA}	<10	<50 _{AA}	<100AB	<10	<10			<10	ug/kg	TM16/PM8
2,4-Dichlorophenol	<50 _{AA}	<10	<50 _{AA}	<100AB	<10	<10			<10	ug/kg	TM16/PM8
2,4-Dimethylphenol	<50 _{AA}	<10	<50 _{AA}	3030 _{AB}	309	<10			<10	ug/kg	TM16/PM8
2,4,5-Trichlorophenol	<50 _{AA}	<10	<50 _{AA}	<100 _{AB}	<10	<10			<10	ug/kg	TM16/PM8
2,4,6-Trichlorophenol	<50 _{AA}	<10	<50 _{AA}	<100 _{AB}	<10	<10			<10	ug/kg	TM16/PM8
4-Chloro-3-methylphenol	<50 _{AA}	<10	<50 _{AA}	<100 _{AB}	<10	<10			<10	ug/kg	TM16/PM8
4-Methylphenol	<50 _{AA}	<10	<50 _{AA}	2907 _{AB}	488	<10			<10	ug/kg	TM16/PM8

Geotechnics Client Name:

PN153428 Reference: Stockport Bus Station Location:

Contact: JE Job No.: 15/17326 Report : Solid

JE Job No.:	15/17326										
J E Sample No.	226-228	229-231	235-237	244-246	250-252	271-273					
Sample ID	HP02	HP02	HP01	WS210	WS210	WS223					
Depth	0.20	0.50	0.20	0.20	1.00	1.00			Places co	e attached n	otoe for all
COC No / misc										ations and a	
Containers	VJT	VJT	VJT	VJT	VJT	VJT					
Sample Date	09/12/2015	09/12/2015	09/12/2015	09/12/2015	09/12/2015	10/12/2015					
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil					
Batch Number	8	8	8	8	8	8					Method
Date of Receipt	12/12/2015	12/12/2015	12/12/2015	12/12/2015	12/12/2015	12/12/2015			LOD/LOR	Units	No.
4-Nitrophenol	<50 _{AA}	<10	<50 _{AA}	<100 _{AB}	<10	<10			<10	ug/kg	TM16/PM8
Pentachlorophenol	<50 _{AA}	<10	<50 _{AA}	<100 _{AB}	<10	<10			<10	ug/kg	TM16/PM8
Phenol	<50 _{AA}	<10	<50 _{AA}	<100 _{AB}	<10	<10			<10	ug/kg	TM16/PM8
Total Speciated Phenols MS	<50 _{AA}	<10	<50 _{AA}	5937 _{AB}	956	<10			<10	ug/kg	TM16/PM8
Hexavalent Chromium #	-O 2	<0.3	<0.3	<0.3	<0.3	<0.3			<0.3	malka	TM38/PM20
Chromium III	<0.3 66.0	87.3	58.0	66.3	51.4	16.1			<0.5	mg/kg mg/kg	NONE/NONE
Chroman III	00.0	67.5	38.0	00.3	31.4	10.1			~0.5	mg/kg	NONEMONE
Total Cyanide #M	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			<0.5	mg/kg	TM89/PM45
Total Organic Carbon #	1.46	0.47	13.57	14.20	6.44	0.10			<0.02	%	TM21/PM24
рН ^{#М}	8.71	9.25	9.42	8.46	8.29	11.84			<0.01	pH units	TM73/PM11
Sample Type	Clay	Sand	Loamy Sand	Loamy Sand	Loamy Sand	Sand				None	PM13/PM0
Sample Colour	Medium Brown	Medium Brown	Dark Grey	Dark Grey	Medium Brown	Light Brown				None	PM13/PM0
Other Items	sand, clinker and stones	stones	stones	stones and tar	stones	stones				None	PM13/PM0
Carlot Romo		Ctorico	0.0.100		0.01.00	0.01.00				110110	

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report: CEN 10:1 1 Batch

JE JOD NO.:	15/1/326									
J E Sample No.	226-228	235-237	250-252	271-273						
Sample ID	HP02	HP01	WS210	WS223						
Depth	0.20	0.20	1.00	1.00						
COC No / misc									e attached n ations and a	
	=									
Containers	VJT	VJT	VJT	VJT						
Sample Date	09/12/2015	09/12/2015	09/12/2015	10/12/2015						
Sample Type	Soil	Soil	Soil	Soil						
Batch Number	8	8	8	8				LOD/LOR	Units	Method
Date of Receipt	12/12/2015	12/12/2015	12/12/2015	12/12/2015				LOD/LOR	Offics	No.
Dissolved Arsenic#	30.4	46.5	8.0	3.0				<2.5	ug/l	TM30/PM14
Dissolved Boron #	50	187	61	<12				<12	ug/l	TM30/PM14
Dissolved Cadmium #	<0.5	<0.5	<0.5	<0.5				<0.5	ug/l	TM30/PM14
Dissolved Chromium#	6.5	6.1	3.0	12.6				<1.5	ug/l	TM30/PM14
Dissolved Copper#	14	22	<7	<7				<7	ug/l	TM30/PM14
Dissolved Lead #	10	10	<5	<5				<5	ug/l	TM30/PM14
Dissolved Mercury#	<1	<1	<1	<1				<1	ug/l	TM30/PM14
Dissolved Nickel #	5	4	<2	<2				<2	ug/l	TM30/PM14
Dissolved Selenium # Dissolved Vanadium #	<3 22.6	<3 39.8	<3 5.1	<3 2.6				<3 <1.5	ug/l	TM30/PM14 TM30/PM14
Dissolved Vanadium Dissolved Zinc#	7	10	5.1	4				<3	ug/l ug/l	TM30/PM14
Dissolved Zillic	,	10		7				-0	ugn	TIVIOON WITH
PAH MS										
Naphthalene	<0.1	<0.1	<0.1	<0.1				<0.1	ug/l	TM4/PM30
Acenaphthylene	0.040	0.130	0.060	0.040				<0.013	ug/l	TM4/PM30
Acenaphthene	0.040	0.140	0.050	0.080				<0.013	ug/l	TM4/PM30
Fluorene	0.040	0.110	0.040	0.080				<0.014	ug/l	TM4/PM30
Phenanthrene	0.100	0.830	0.090	0.130				<0.011	ug/l	TM4/PM30
Anthracene	0.050	0.320	0.050	0.030				<0.013	ug/l	TM4/PM30
Fluoranthene	0.220	2.930	0.220	0.110				<0.012	ug/l	TM4/PM30
Pyrene	0.310	3.740	0.270	0.080				<0.013	ug/l	TM4/PM30
Benzo(a)anthracene	0.120	1.580	0.150	0.040				<0.015	ug/l	TM4/PM30
Chrysene	0.170	2.280	0.170	0.040				<0.011	ug/l	TM4/PM30
Benzo(bk)fluoranthene	0.200	3.240	0.240	0.070				<0.018	ug/l	TM4/PM30
Benzo(a)pyrene Indeno(123cd)pyrene	0.120 0.040	1.820 0.710	0.170 0.070	0.040 0.030				<0.016 <0.011	ug/l ug/l	TM4/PM30 TM4/PM30
Dibenzo(ah)anthracene	<0.01	0.16	0.070	<0.01				<0.011	ug/l	TM4/PM30
Benzo(ghi)perylene	0.040	0.650	0.070	0.030				<0.011	ug/l	TM4/PM30
PAH 16 Total	1.490	18.640	1.670	0.800				<0.195	ug/l	TM4/PM30
Benzo(b)fluoranthene	0.14	2.33	0.17	0.05				<0.01	ug/l	TM4/PM30
Benzo(k)fluoranthene	0.06	0.91	0.07	0.02				<0.01	ug/l	TM4/PM30
PAH Surrogate % Recovery	77	88	74	89				<0	%	TM4/PM30
Methyl Tertiary Butyl Ether	<1	<1	<1	<1				<1	ug/l	TM15/PM69
Benzene	<1	<1	<1	<1				<1	ug/l	TM15/PM69
Toluene	<2	<2	<2	<2				<2	ug/l	TM15/PM69
Ethylbenzene	<2	<2	<2	<2				<2	ug/l	TM15/PM69
p/m-Xylene	<3	<3	<3	<3				<3	ug/l	TM15/PM69
o-Xylene Surrogate Recovery Toluene D8	<2 107	<2 107	<2 106	<2 56				<2 <0	ug/l %	TM15/PM69 TM15/PM69
Surrogate Recovery 4-Bromofluorobenzene	107	107	106	56				<0	%	TM15/PM69
			,							

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report: CEN 10:1 1 Batch

JE JOD NO.:	15/1/326							_		
J E Sample No.	226-228	235-237	250-252	271-273						
Sample ID	HP02	HP01	WS210	WS223						
Donath	0.00	0.00	4.00	4.00						
Depth	0.20	0.20	1.00	1.00					e attached rations and a	
COC No / misc								abbievi	alions and a	Cionyms
Containers	VJT	VJT	VJT	VJT						
Sample Date	09/12/2015	09/12/2015	09/12/2015	10/12/2015						
Sample Type	Soil	Soil	Soil	Soil						
Batch Number	8	8	8	8				LOD/LOR	Units	Method No.
Date of Receipt	12/12/2015	12/12/2015	12/12/2015	12/12/2015						NO.
TPH CWG										
Aliphatics										
>C5-C6	<5	<5	<5	<5				<5	ug/l	TM36/PM69
>C6-C8	<5	<5	<5	<5				<5	ug/l	TM36/PM69
>C8-C10	<5	<5	<5	<5				<5	ug/l	TM36/PM69
>C10-C12	<5	<5	<5	<5				<5	ug/l	TM5/PM30
>C12-C16	<10	<10	<10	<10				<10	ug/l	TM5/PM30
>C16-C21	<10	<10	<10	<10				<10	ug/l	TM5/PM30
>C21-C35	<10	<10	<10	<10				<10	ug/l	TM5/PM30
>C35-C44	<10	<10	<10	<10				<10	ug/l	TM5/PM30
Total aliphatics C5-44	<10	<10	<10	<10				<10	ug/l	TM5/TM36/PM30/PM69
Aromatics										
>C5-EC7	<5	<5	<5	<5				<5	ug/l	TM36/PM69
>EC7-EC8	<5	<5	<5	<5				<5	ug/l	TM36/PM69
>EC8-EC10	<5	<5	<5	<5				<5	ug/l	TM36/PM69
>EC10-EC12	<5	<5	<5	<5				<5	ug/l	TM5/PM30
>EC12-EC16	<10	<10	<10	<10				<10	ug/l	TM5/PM30
>EC16-EC21	<10	<10	<10	<10				<10	ug/l	TM5/PM30
>EC21-EC35	<10	<10	<10	<10				<10	ug/l	TM5/PM30
>EC35-EC44	<10	<10	<10	<10				<10	ug/l	TM5/PM30
Total aromatics C5-44	<10	<10	<10	<10				<10	ug/l	TM5/TM36/PM30/PM69
Total aliphatics and aromatics(C5-44)	<10	<10	<10	<10				<10	ug/l	TM5/TM36/PM30/PM69
PCB 28	<0.1	<0.1	<0.1	<0.1				<0.1	ug/l	TM17/PM30
PCB 52	<0.1	<0.1	<0.1	<0.1				<0.1	ug/l	TM17/PM30
PCB 101	<0.1	<0.1	<0.1	<0.1				<0.1	ug/l	TM17/PM30
PCB 118	<0.1	<0.1	<0.1	<0.1				<0.1	ug/l	TM17/PM30
PCB 138	<0.1	<0.1	<0.1	<0.1				<0.1	ug/l	TM17/PM30
PCB 153	<0.1	<0.1	<0.1	<0.1				<0.1	ug/l	TM17/PM30
PCB 180	<0.1	<0.1	<0.1	<0.1				<0.1	ug/l	TM17/PM30
Total 7 PCBs	<0.7	<0.7	<0.7	<0.7				<0.7	ug/l	TM17/PM30
2-Chlorophenol	<0.5	<0.5	<0.5	<0.5				<0.5	ug/l	TM16/PM30
2-Methylphenol	<0.5	<0.5	<0.5	<0.5				<0.5	ug/l	TM16/PM30
2-Nitrophenol	<0.5	<0.5	<0.5	<0.5				<0.5	ug/l	TM16/PM30
2,4-Dichlorophenol	<0.5	<0.5	<0.5	<0.5				<0.5	ug/l	TM16/PM30
2,4-Dimethylphenol	<0.5	<0.5	<0.5	<0.5				<0.5	ug/l	TM16/PM30
2,4,5-Trichlorophenol	<0.5	<0.5	<0.5	<0.5				<0.5	ug/l	TM16/PM30
2,4,6-Trichlorophenol	<0.5	<0.5	<0.5	<0.5				<0.5	ug/l	TM16/PM30
4-Chloro-3-methylphenol	<0.5	<0.5	<0.5	<0.5				<0.5	ug/l	TM16/PM30
4-Methylphenol	<0.5	<0.5	<0.5	<0.5				<0.5	ug/l	TM16/PM30
4-Nitrophenol	<0.5	<0.5	<0.5	<0.5				<0.5	ug/l	TM16/PM30
Pentachlorophenol	<0.5	<0.5	<0.5	<0.5				<0.5	ug/l	TM16/PM30
Phenol	<0.5	<0.5	<0.5	<0.5				<0.5	ug/l	TM16/PM30

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report: CEN 10:1 1 Batch

JE Job No.:	15/17326							_		
J E Sample No.	226-228	235-237	250-252	271-273						
Sample ID	HP02	HP01	WS210	WS223						
Depth	0.20	0.20	1.00	1.00				Diagona		-t fII
COC No / misc									e attached n ations and a	
Containers		VJT	VJT	VJT						
Sample Date										
Sample Type		Soil	Soil	Soil						
Batch Number		8	8	8						
Date of Receipt								LOD/LOR	Units	Method No.
Total Speciated Phenols MS	<6	<6	<6	<6				<6	ug/l	TM16/PM30
Total opeciated Theriois Mo								10	ug/i	TWTO/T WOO
Total Cyanide #	<0.01	<0.01	<0.01	<0.01				<0.01	mg/l	TM89/PM0
Mass of raw test portion	0.0982	0.1056	0.11	0.0933					kg	NONE/PM17
Leachant Volume	0.891	0.884	0.88	0.897					I	NONE/PM17
Dissolved Chromium III	0.007	0.006	<0.006	0.013				<0.006	mg/l	NONE/NONE
Dissolved Organic Carbon	7	13	3	5				<2	mg/l	TM60/PM0
Hexavalent Chromium	<0.006	<0.006	<0.006	<0.006				<0.006	mg/l	TM38/PM0
рН	8.62	9.70	7.90	11.71				<0.01	pH units	TM73/PM0

Client Name: Geotechnics SVOC Report : Solid

Reference: PN153428
Location: Stockport Bus Station

Contact:

JE Job No.:	15/17326										
J E Sample No.	226-228	229-231	235-237	244-246	250-252	271-273					
Sample ID	HP02	HP02	HP01	WS210	WS210	WS223					
Depth COC No / misc	0.20	0.50	0.20	0.20	1.00	1.00				e attached n	
Containers	VJT	VJT	VJT	VJT	VJT	VJT					
Sample Date	09/12/2015		09/12/2015		09/12/2015						
Sample Type Batch Number	Soil 8	Soil 8	Soil 8	Soil 8	Soil 8	Soil 8					Mathad
Date of Receipt	12/12/2015		12/12/2015		12/12/2015				LOD/LOR	Units	Method No.
SVOC MS	12/12/2010	12/12/2010	12/12/2010	12/12/2010	12/12/2010	12/12/2010					
Phenois											
2-Chlorophenol *M	<50 _{AA}	<10	<50 _{AA}	<100 _{AB}	<10	<10			<10	ug/kg	TM16/PM8
2-Methylphenol	<50 _{AA}	<10	<50 _{AA}	<100 _{AB}	159	<10			<10	ug/kg	TM16/PM8
2-Nitrophenol	<50 _{AA}	<10	<50 _{AA}	<100 _{AB}	<10	<10			<10	ug/kg	TM16/PM8
2,4-Dichlorophenol	<50 _{AA}	<10	<50 _{AA}	<100 _{AB}	<10	<10			<10	ug/kg	TM16/PM8
2,4-Dimethylphenol 2,4,5-Trichlorophenol	<50 _{AA}	<10 <10	<50 _{AA}	3030 _{AB}	309 <10	<10 <10			<10 <10	ug/kg ug/kg	TM16/PM8 TM16/PM8
2,4,6-Trichlorophenol	<50 _{AA}	<10	<50 _{AA}	<100 _{AB}	<10	<10			<10	ug/kg	TM16/PM8
4-Chloro-3-methylphenol	<50 _{AA}	<10	<50 _{AA}	<100 _{AB}	<10	<10			<10	ug/kg	TM16/PM8
4-Methylphenol	<50 _{AA}	<10	<50 _{AA}	2907 _{AB}	488	<10			<10	ug/kg	TM16/PM8
4-Nitrophenol	<50 _{AA}	<10	<50 _{AA}	<100 _{AB}	<10	<10			<10	ug/kg	TM16/PM8
Pentachlorophenol	<50 _{AA}	<10	<50 _{AA}	<100 _{AB}	<10	<10			<10	ug/kg	TM16/PM8
Phenol *M	<50 _{AA}	<10	<50 _{AA}	<100 _{AB}	<10	<10			<10	ug/kg	TM16/PM8
PAHs	~50	<10	<50	<100	<10	<10			<10	ua/ka	TM16/PM8
2-Chloronaphthalene *** 2-Methylnaphthalene ***	<50 _{AA} 3271 _{AA}	<10	<50 _{AA}	<100 _{AB}	1828	<10			<10	ug/kg ug/kg	TM16/PM8
Phthalates	327 TAA	110	TIIAA	121007 AB	1020	110			110	ug/kg	110110/1100
Bis(2-ethylhexyl) phthalate	<500 _{AA}	<100	<500 _{AA}	<1000 _{AB}	<100	<100			<100	ug/kg	TM16/PM8
Butylbenzyl phthalate	<500 _{AA}	<100	<500 _{AA}	<1000 _{AB}	<100	<100			<100	ug/kg	TM16/PM8
Di-n-butyl phthalate	<500 _{AA}	<100	<500 _{AA}	<1000 _{AB}	<100	<100			<100	ug/kg	TM16/PM8
Di-n-Octyl phthalate	<500 _{AA}	<100	<500 _{AA}	<1000 _{AB}	<100	<100			<100	ug/kg	TM16/PM8
Diethyl phthalate	<500 _{AA}	<100	<500 _{AA}	<1000 _{AB}	<100	<100			<100	ug/kg	TM16/PM8
Dimethyl phthalate *** Other SVOCs	<500 _{AA}	<100	<500 _{AA}	<1000 _{AB}	<100	<100			<100	ug/kg	TM16/PM8
1,2-Dichlorobenzene	<50 _{AA}	<10	<50 _{AA}	<100 _{AB}	<10	<10			<10	ug/kg	TM16/PM8
1,2,4-Trichlorobenzene **M	<50 _{AA}	<10	<50 _{AA}	<100 _{AB}	<10	<10			<10	ug/kg	TM16/PM8
1,3-Dichlorobenzene	<50 _{AA}	<10	<50 _{AA}	<100 _{AB}	<10	<10			<10	ug/kg	TM16/PM8
1,4-Dichlorobenzene	<50 _{AA}	<10	<50 _{AA}	<100 _{AB}	<10	<10			<10	ug/kg	TM16/PM8
2-Nitroaniline	<50 _{AA}	<10	<50 _{AA}	<100 _{AB}	<10	<10			<10	ug/kg	TM16/PM8
2,4-Dinitrotoluene	<50 _{AA}	<10	<50 _{AA}	<100 _{AB}	<10	<10			<10	ug/kg	TM16/PM8
2,6-Dinitrotoluene	<50 _{AA}	<10	<50 _{AA}	<100 _{AB}	<10	<10			<10	ug/kg	TM16/PM8
3-Nitroaniline 4-Bromophenylphenylether ***	<50 _{AA}	<10 <10	<50 _{AA}	<100 _{AB}	<10 <10	<10 <10			<10 <10	ug/kg ug/kg	TM16/PM8 TM16/PM8
4-Chloroaniline	<50 _{AA}	<10	<50 _{AA}	<100 _{AB}	<10	<10			<10	ug/kg	TM16/PM8
4-Chlorophenylphenylether	<50 _{AA}	<10	<50 _{AA}	<100 _{AB}	<10	<10			<10	ug/kg	TM16/PM8
4-Nitroaniline	<50 _{AA}	<10	<50 _{AA}	<100 _{AB}	<10	<10			<10	ug/kg	TM16/PM8
Azobenzene	<50 _{AA}	<10	<50 _{AA}	<100 _{AB}	<10	<10			<10	ug/kg	TM16/PM8
Bis(2-chloroethoxy)methane	<50 _{AA}	<10	<50 _{AA}	<100 _{AB}	<10	<10			<10	ug/kg	TM16/PM8
Bis(2-chloroethyl)ether	<50 _{AA}	<10	<50 _{AA}	<100 _{AB}	<10	<10			<10	ug/kg	TM16/PM8
Carbazole Dibenzofuran ^{#M}	5747 _{AA} 2429 _{AA}	<10 <10	<50 _{AA}	50353 _{AB} 72535 _{AB}	1366 1188	<10 <10			<10 <10	ug/kg ug/kg	TM16/PM8 TM16/PM8
Hexachlorobenzene	<50 _{AA}	<10	<50 _{AA}	<100 _{AB}	<10	<10			<10	ug/kg ug/kg	TM16/PM8
Hexachlorobutadiene *M	<50 _{AA}	<10	<50 _{AA}	<100 _{AB}	<10	<10			<10	ug/kg	TM16/PM8
Hexachlorocyclopentadiene	<50 _{AA}	<10	<50 _{AA}	<100 _{AB}	<10	<10			<10	ug/kg	TM16/PM8
Hexachloroethane	<50 _{AA}	<10	<50 _{AA}	<100 _{AB}	<10	<10			<10	ug/kg	TM16/PM8
Isophorone #M	<50 _{AA}	<10	<50 _{AA}	<100 _{AB}	<10	<10			<10	ug/kg	TM16/PM8
N-nitrosodi-n-propylamine #M	<50 _{AA}	<10	<50 _{AA}	<100 _{AB}	<10	<10			<10	ug/kg	TM16/PM8
Nitrobenzene #M	<50 _{AA}	<10	<50 _{AA}	<100 _{AB}	<10	<10			<10	ug/kg	TM16/PM8
											}
											}

Client Name: Geotechnics SVOC Report : CEN 10:1 1 Batch

Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.:	15/17326											
J E Sample No.	226-228	235-237	250-252	271-273								
Sample ID	HP02	HP01	WS210	WS223								
Depth COC No / misc	0.20	0.20	1.00	1.00							e attached nations and a	
Containers	VJT	VJT	VJT	VJT								
Sample Date	09/12/2015	09/12/2015	09/12/2015	10/12/2015								
Sample Type	Soil	Soil	Soil	Soil								
Batch Number	8	8	8	8						LOD/LOR	Units	Method
Date of Receipt	12/12/2015	12/12/2015	12/12/2015	12/12/2015								No.
SVOC MS Phenols												
2-Chlorophenol	<1	<1	<1	<1						<1	ug/l	TM16/PM30
2-Methylphenol	<0.5	<0.5	<0.5	<0.5						<0.5	ug/l	TM16/PM30
2-Nitrophenol	<0.5	<0.5	<0.5	<0.5						<0.5	ug/l	TM16/PM30
2,4-Dichlorophenol	<0.5	<0.5	<0.5	<0.5						<0.5	ug/l	TM16/PM30
2,4-Dimethylphenol	<1	<1	<1	<1						<1	ug/l	TM16/PM30
2,4,5-Trichlorophenol	<0.5	<0.5	<0.5	<0.5						<0.5	ug/l	TM16/PM30
2,4,6-Trichlorophenol 4-Chloro-3-methylphenol	<1 <0.5	<1 <0.5	<1 <0.5	<1 <0.5						<1 <0.5	ug/l ug/l	TM16/PM30 TM16/PM30
4-Chloro-3-methylphenol	<0.5	<0.5	<0.5	<0.5						<0.5	ug/l	TM16/PM30
4-Nitrophenol	<10	<10	<10	<10						<10	ug/l	TM16/PM30
Pentachlorophenol	<1	<1	<1	<1						<1	ug/l	TM16/PM30
Phenol	<1	<1	<1	<1						<1	ug/l	TM16/PM30
PAHs												
2-Chloronaphthalene	<1	<1	<1	<1						<1	ug/l	TM16/PM30
2-Methylnaphthalene	<1	<1	<1	<1						<1	ug/l	TM16/PM30
Phthalates Bis(2-ethylhexyl) phthalate	<5	<5	<5	<5						<5	ug/l	TM16/PM30
Butylbenzyl phthalate	<1	<1	<1	<1						<1	ug/l	TM16/PM30
Di-n-butyl phthalate	<1.5	<1.5	<1.5	<1.5						<1.5	ug/l	TM16/PM30
Di-n-Octyl phthalate	<1	<1	<1	<1						<1	ug/l	TM16/PM30
Diethyl phthalate	<1	<1	<1	<1						<1	ug/l	TM16/PM30
Dimethyl phthalate	<1	<1	<1	<1						<1	ug/l	TM16/PM30
Other SVOCs												
1,2-Dichlorobenzene	<1	<1	<1	<1						<1	ug/l	TM16/PM30
1,2,4-Trichlorobenzene 1,3-Dichlorobenzene	<1 <1	<1 <1	<1 <1	<1 <1						<1 <1	ug/l ug/l	TM16/PM30 TM16/PM30
1,4-Dichlorobenzene	<1	<1	<1	<1						<1	ug/l	TM16/PM30
2-Nitroaniline	<1	<1	<1	<1						<1	ug/l	TM16/PM30
2,4-Dinitrotoluene	<0.5	<0.5	<0.5	<0.5						<0.5	ug/l	TM16/PM30
2,6-Dinitrotoluene	<1	<1	<1	<1						<1	ug/l	TM16/PM30
3-Nitroaniline	<1	<1	<1	<1						<1	ug/l	TM16/PM30
4-Bromophenylphenylether	<1	<1	<1	<1						<1	ug/l	TM16/PM30 TM16/PM30
4-Chloroaniline 4-Chlorophenylphenylether	<1 <1	<1 <1	<1 <1	<1 <1						<1 <1	ug/l ug/l	TM16/PM30 TM16/PM30
4-Nitroaniline	<0.5	<0.5	<0.5	<0.5						<0.5	ug/l	TM16/PM30
Azobenzene	<0.5	<0.5	<0.5	<0.5						<0.5	ug/l	TM16/PM30
Bis(2-chloroethoxy)methane	<0.5	<0.5	<0.5	<0.5						<0.5	ug/l	TM16/PM30
Bis(2-chloroethyl)ether	<1	<1	<1	<1						<1	ug/l	TM16/PM30
Carbazole	<0.5	<0.5	<0.5	<0.5						<0.5	ug/l	TM16/PM30
Dibenzofuran	<0.5	<0.5	<0.5	<0.5						<0.5	ug/l	TM16/PM30 TM16/PM30
Hexachlorobenzene Hexachlorobutadiene	<1 <1	<1 <1	<1 <1	<1 <1						<1 <1	ug/l ug/l	TM16/PM30 TM16/PM30
Hexachlorocyclopentadiene	<1	<1	<1	<1						<1	ug/l	TM16/PM30
Hexachloroethane	<1	<1	<1	<1						<1	ug/l	TM16/PM30
Isophorone	<0.5	<0.5	<0.5	<0.5						<0.5	ug/l	TM16/PM30
N-nitrosodi-n-propylamine	<0.5	<0.5	<0.5	<0.5						<0.5	ug/l	TM16/PM30
Nitrobenzene	<1	<1	<1	<1						<1	ug/l	TM16/PM30
	<u> </u>	<u> </u>	<u> </u>	L		L	L	L	L	L		

Client Name: Geotechnics VOC Report : Solid

Reference: PN153428
Location: Stockport Bus Station

Contact:

JE Job No.:	15/17326										
J E Sample No.	226-228	229-231	235-237	244-246	250-252	271-273]		
Sample ID	HP02	HP02	HP01	WS210	WS210	WS223					
Depth COC No / misc	0.20	0.50	0.20	0.20	1.00	1.00				e attached r ations and a	
Containers	VJT	VJT	VJT	VJT	VJT	VJT					
Sample Date Sample Type	09/12/2015 Soil	09/12/2015 Soil	09/12/2015 Soil	09/12/2015 Soil	09/12/2015 Soil	10/12/2015 Soil					
Batch Number	8	8	8	8	8	8					Method
Date of Receipt	12/12/2015	12/12/2015	12/12/2015	12/12/2015	12/12/2015	12/12/2015			LOD/LOR	Units	No.
VOC MS											
Dichlorodifluoromethane	<2	<2	<2	<2	<2	<2			<2	ug/kg	TM15/PM10
Methyl Tertiary Butyl Ether *** Chloromethane **	<6 <3	<6 <3	<6 <3	<6 <3	<6 <3	<6 <3			<6 <3	ug/kg ug/kg	TM15/PM10 TM15/PM10
Vinyl Chloride	<2	<2	<2	<2	<2	<2			<2	ug/kg	TM15/PM10
Bromomethane	<1	<1	<1	<1	<1	<1			<1	ug/kg	TM15/PM10
Chloroethane #M	<6	<6	<6	<6	<6	<6			<6	ug/kg	TM15/PM10
Trichlorofluoromethane #M	<3	<3	<3	<3	<3	<3			<3	ug/kg	TM15/PM10
1,1-Dichloroethene (1,1 DCE) #M	<6	<6	<6	<6	<6	<6			<6	ug/kg	TM15/PM10 TM15/PM10
Dichloromethane (DCM) # trans-1-2-Dichloroethene #	<7 <3	<7 <3	<7 <3	<7 <3	<7 <3	<7 <3			<7 <3	ug/kg ug/kg	TM15/PM10
1,1-Dichloroethane **M	<6	<6	<6	<6	<6	<6			<6	ug/kg	TM15/PM10
cis-1-2-Dichloroethene #M	<7	<7	<7	<7	<7	<7			<7	ug/kg	TM15/PM10
2,2-Dichloropropane	<4	<4	<4	<4	<4	<4			<4	ug/kg	TM15/PM10
Bromochloromethane #M	<4	<4	<4	<4	<4	<4			<4	ug/kg	TM15/PM10 TM15/PM10
Chloroform **M 1,1,1-Trichloroethane **M	<5 <5	<5 <5	<5 <5	<5 <5	<5 <5	<5 <5			<5 <5	ug/kg ug/kg	TM15/PM10 TM15/PM10
1,1-Dichloropropene #	<3	<3	<3	<3	<3	<3			<3	ug/kg	TM15/PM10
Carbon tetrachloride #M	<4	<4	<4	<4	<4	<4			<4	ug/kg	TM15/PM10
1,2-Dichloroethane #M	<5	<5	<5	<5	<5	<5			<5	ug/kg	TM15/PM10
Benzene #M	<5	<5	<5	<5	<5	<5			<5	ug/kg	TM15/PM10
Trichloroethene (TCE) *** 1,2-Dichloropropane ***	<5 <4	<5 <4	<5 <4	<5 <4	<5 <4	<5 <4			<5 <4	ug/kg ug/kg	TM15/PM10 TM15/PM10
Dibromomethane #M	<4	<4	<4	<4	<4	<4			<4	ug/kg	TM15/PM10
Bromodichloromethane #M	<4	<4	<4	<4	<4	<4			<4	ug/kg	TM15/PM10
cis-1-3-Dichloropropene	<4	<4	<4	<4	<4	<4			<4	ug/kg	TM15/PM10
Toluene #M	<3	<3	5	24	13	<3			<3	ug/kg	TM15/PM10
trans-1-3-Dichloropropene 1,1,2-Trichloroethane #M	<3 <4	<3 <4	<3 <4	<3 <4	<3 <4	<3 <4			<3 <4	ug/kg ug/kg	TM15/PM10 TM15/PM10
Tetrachloroethene (PCE)#	26	<3	113	22	157	<3			<3	ug/kg	TM15/PM10
1,3-Dichloropropane *M	<4	<4	<4	<4	<4	<4			<4	ug/kg	TM15/PM10
Dibromochloromethane #M	<5	<5	<5	<5	<5	<5			<5	ug/kg	TM15/PM10
1,2-Dibromoethane # Chlorobenzene #M	<3 <4	<3 <4	<3 <4	<3 <4	<3 <4	<3 <4			<3 <4	ug/kg	TM15/PM10 TM15/PM10
1,1,1,2-Tetrachloroethane **M	<5	<5	<5	<5	<5	<5			<5	ug/kg ug/kg	TM15/PM10
Ethylbenzene **M	<3	<3	<3	62	<3	<3			<3	ug/kg	TM15/PM10
p/m-Xylene #M	<4	<4	<4	69	13	<4			<4	ug/kg	TM15/PM10
o-Xylene **M	<4	<4	<4	27	9	<4			<4	ug/kg	TM15/PM10
Styrene Bromoform	<3 <4	<3 <4	<3 <4	<3 <4	<3 <4	<3 <4			<3 <4	ug/kg ug/kg	TM15/PM10 TM15/PM10
Isopropylbenzene #	<3	<3	<3	16	<3	<3			<3	ug/kg	TM15/PM10
1,1,2,2-Tetrachloroethane #M	<3	<3	<3	<3	<3	<3			<3	ug/kg	TM15/PM10
Bromobenzene	<2	<2	<2	<2	<2	<2			<2	ug/kg	TM15/PM10
1,2,3-Trichloropropane #M	<4	<4	<4	<4	<4	<4			<4	ug/kg	TM15/PM10
Propylbenzene # 2-Chlorotoluene	<4 <3	<4 <3	<4 <3	<4 <3	<4 <3	<4 <3			<4 <3	ug/kg ug/kg	TM15/PM10 TM15/PM10
1,3,5-Trimethylbenzene #	<3	<3	<3	31	<3	<3			<3	ug/kg ug/kg	TM15/PM10
4-Chlorotoluene	<3	<3	<3	<3	<3	<3			<3	ug/kg	TM15/PM10
tert-Butylbenzene #	<5	<5	<5	<5	<5	<5			<5	ug/kg	TM15/PM10
1,2,4-Trimethylbenzene #	<6	<6	<6	38	11	<6			<6	ug/kg	TM15/PM10
sec-Butylbenzene# 4-Isopropyltoluene#	<4 <4	<4 <4	<4 <4	<4 <4	<4 <4	<4 <4			<4 <4	ug/kg ug/kg	TM15/PM10 TM15/PM10
1,3-Dichlorobenzene **M	<4	<4	<4	<4	<4	<4			<4	ug/kg ug/kg	TM15/PM10
1,4-Dichlorobenzene #	<4	<4	<4	<4	<4	<4			<4	ug/kg	TM15/PM10
n-Butylbenzene #	<4	<4	<4	<4	<4	<4			<4	ug/kg	TM15/PM10
1,2-Dichlorobenzene #M	<4	<4	<4	<4	<4	<4			<4	ug/kg	TM15/PM10
1,2-Dibromo-3-chloropropane #	<4 <7	<4	<4 <7	<4 <7	<4	<4 <7			<4	ug/kg	TM15/PM10 TM15/PM10
1,2,4-Trichlorobenzene # Hexachlorobutadiene	<4	<7 <4	<4	<4	<7 <4	<4			<7 <4	ug/kg ug/kg	TM15/PM10
Naphthalene	<27	<27	<27	6844	951	<27			<27	ug/kg	TM15/PM10
1,2,3-Trichlorobenzene #	<7	<7	<7	<7	<7	<7			<7	ug/kg	TM15/PM10
Surrogate Recovery Toluene D8	112	111	103	83	101	113			<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	111	130	74	70	81	131			<0	%	TM15/PM10

Client Name: Geotechnics VOC Report : CEN 10:1 1 Batch

Reference: PN153428
Location: Stockport Bus Station

Contact:

JE Job No.:	15/17326									
J E Sample No.	226-228	235-237	250-252	271-273						
Sample ID	HP02	HP01	WS210	WS223						
Depth COC No / misc	0.20	0.20	1.00	1.00					e attached nations and a	
Containers	VJT	VJT	VJT	VJT						
Sample Date										
Sample Type	Soil	Soil	Soil	Soil 8						Matteria
Batch Number Date of Receipt	8 12/12/2015	8 12/12/2015	8 12/12/2015					LOD/LOR	Units	Method No.
VOC MS	12/12/2010	12/12/2010	12.12.2010	12.12.2010						
Dichlorodifluoromethane	<2	<2	<2	<2				<2	ug/l	TM15/PM69
Methyl Tertiary Butyl Ether	<1	<1	<1	<1				<1	ug/l	TM15/PM69
Chloromethane Vinyl Chloride	<3 <0.1	<3 <0.1	<3 <0.1	<3 <0.1				<3 <0.1	ug/l ug/l	TM15/PM69 TM15/PM69
Bromomethane	<1	<1	<1	<1				<1	ug/l	TM15/PM69
Chloroethane	<3	<3	<3	<3				<3	ug/l	TM15/PM69
Trichlorofluoromethane	<3	<3	<3	<3				<3	ug/l	TM15/PM69
1,1-Dichloroethene (1,1 DCE)	<3	<3	<3	<3				<3	ug/l	TM15/PM69
Dichloromethane (DCM) trans-1-2-Dichloroethene	<3 <3	<3 <3	<3 <3	<3 <3				<3 <3	ug/l ug/l	TM15/PM69 TM15/PM69
1,1-Dichloroethane	<3	<3	<3	<3				<3	ug/l	TM15/PM69
cis-1-2-Dichloroethene	<3	<3	<3	<3				<3	ug/l	TM15/PM69
2,2-Dichloropropane	<1	<1	<1	<1				<1	ug/l	TM15/PM69
Bromochloromethane Chloroform	<2 <2	<2 <2	<2 <2	<2 <2				<2 <2	ug/l ug/l	TM15/PM69 TM15/PM69
1,1,1-Trichloroethane	<2	<2	<2	<2				<2	ug/l	TM15/PM69
1,1-Dichloropropene	<3	<3	<3	<3				<3	ug/l	TM15/PM69
Carbon tetrachloride	<2	<2	<2	<2				<2	ug/l	TM15/PM69
1,2-Dichloroethane	<2 <1	<2	<2	<2 <1				<2	ug/l	TM15/PM69 TM15/PM69
Benzene Trichloroethene (TCE)	<3	<1 <3	<1 <3	<3				<1 <3	ug/l ug/l	TM15/PM69
1,2-Dichloropropane	<2	<2	<2	<2				<2	ug/l	TM15/PM69
Dibromomethane	<3	<3	<3	<3				<3	ug/l	TM15/PM69
Bromodichloromethane	<2	<2	<2	<2				<2	ug/l	TM15/PM69
cis-1-3-Dichloropropene Toluene	<2 <2	<2 <2	<2 <2	<2 <2				<2 <2	ug/l ug/l	TM15/PM69 TM15/PM69
trans-1-3-Dichloropropene	<2	<2	<2	<2				<2	ug/l	TM15/PM69
1,1,2-Trichloroethane	<2	<2	<2	<2				<2	ug/l	TM15/PM69
Tetrachloroethene (PCE)	<3	<3	<3	<3				<3	ug/l	TM15/PM69
1,3-Dichloropropane Dibromochloromethane	<2	<2	<2	<2				<2	ug/l	TM15/PM69 TM15/PM69
1,2-Dibromoethane	<2 <2	<2 <2	<2 <2	<2 <2				<2 <2	ug/l ug/l	TM15/PM69
Chlorobenzene	<2	<2	<2	<2				<2	ug/l	TM15/PM69
1,1,1,2-Tetrachloroethane	<2	<2	<2	<2				<2	ug/l	TM15/PM69
Ethylbenzene	<2	<2	<2	<2				<2	ug/l	TM15/PM69
p/m-Xylene o-Xylene	<3 <2	<3 <2	<3 <2	<3 <2				<3 <2	ug/l ug/l	TM15/PM69 TM15/PM69
Styrene	<2	<2	<2	<2				<2	ug/l	TM15/PM69
Bromoform	<2	<2	<2	<2				<2	ug/l	TM15/PM69
Isopropylbenzene	<3	<3	<3	<3				<3	ug/l	TM15/PM69
1,1,2,2-Tetrachloroethane Bromobenzene	<4 <2	<4 <2	<4 <2	<4 <2				<4 <2	ug/l ug/l	TM15/PM69 TM15/PM69
1,2,3-Trichloropropane	<3	<3	<3	<3				<3	ug/l	TM15/PM69
Propylbenzene	<3	<3	<3	<3				<3	ug/l	TM15/PM69
2-Chlorotoluene	<3	<3	<3	<3				<3	ug/l	TM15/PM69
1,3,5-Trimethylbenzene 4-Chlorotoluene	<3	<3	<3	<3				<3	ug/l	TM15/PM69
4-Chlorotoluene tert-Butylbenzene	<3 <3	<3 <3	<3 <3	<3 <3				<3 <3	ug/l ug/l	TM15/PM69 TM15/PM69
1,2,4-Trimethylbenzene	<3	<3	<3	<3				<3	ug/l	TM15/PM69
sec-Butylbenzene	<3	<3	<3	<3				<3	ug/l	TM15/PM69
4-Isopropyltoluene	<3	<3	<3	<3				<3	ug/l	TM15/PM69
1,3-Dichlorobenzene 1,4-Dichlorobenzene	<3 <3	<3 <3	<3 <3	<3 <3				<3 <3	ug/l ug/l	TM15/PM69 TM15/PM69
n-Butylbenzene	<3	<3	<3	<3				<3	ug/l	TM15/PM69
1,2-Dichlorobenzene	<3	<3	<3	<3				<3	ug/l	TM15/PM69
1,2-Dibromo-3-chloropropane	<2	<2	<2	<2				<2	ug/l	TM15/PM69
1,2,4-Trichlorobenzene	<3	<3	<3	<3				<3	ug/l	TM15/PM69
Hexachlorobutadiene Naphthalene	<3 <2	<3 <2	<3 <2	<3 <2				<3 <2	ug/l ug/l	TM15/PM69 TM15/PM69
1,2,3-Trichlorobenzene	<3	<3	<3	<3				<3	ug/l	TM15/PM69
Surrogate Recovery Toluene D8	107	107	106	56				<0	%	TM15/PM69
Surrogate Recovery 4-Bromofluorobenzene	108	109	107	56				<0	%	TM15/PM69

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

Note:

Analysis was carried out in accordance with our documented in-house methods PM042 and TM065 and HSG 248 by Stereo and Polarised Light Microscopy using Dispersion Staining Techniques and is covered by our UKAS accreditation. Samples are retained for not less than 6 months from the date of analysis unless specifically requested.

Opinions lie outside the scope of our UKAS accreditation.

Where the sample is not taken by a Jones Environmental Laboratory consultant, Jones Environmental Laboratory cannot be responsible for inaccurate or unrepresentative sampling.

Any questionable sample will automatically be assumed to have breached the Waste Limit and further testing may be required.

Signed on behalf of Jones Environmental Laboratory:

Asbestos Team Leader

J E Job No.	Batch	Sample ID	Depth	J E Sample No.	Date Of Analysis	Analysis	Result
15/17326	8	HP02	0.20	227	23/12/2015	Mass of Dry Sample	51.2 (g)
					23/12/2015	General Description (Bulk Analysis)	Soil/Stone
					23/12/2015	Asbestos Containing Material	None
					23/12/2015	Asbestos Containing Material (2)	None
					23/12/2015	Asbestos Screen	NAD
					23/12/2015	Asbestos Screen (2)	NAD
					23/12/2015	Asbestos Level	NAD
					23/12/2015	Waste Limit	<0.1%
15/17326	8	HP02	0.50	230	23/12/2015	Mass of Dry Sample	48.7 (g)
					23/12/2015	General Description (Bulk Analysis)	Soil/Stone
					23/12/2015	Asbestos Containing Material	None
					23/12/2015	Asbestos Containing Material (2)	None
					23/12/2015	Asbestos Screen	NAD
					23/12/2015	Asbestos Screen (2)	NAD
					23/12/2015	Asbestos Level	NAD
					23/12/2015	Waste Limit	<0.1%
15/17326	8	HP01	0.20	236	23/12/2015	Mass of Dry Sample	51.2 (g)
					23/12/2015	General Description (Bulk Analysis)	soil/stones
					23/12/2015	Asbestos Containing Material	None
					23/12/2015	Asbestos Containing Material (2)	None
					23/12/2015	Asbestos Screen	NAD
					23/12/2015	Asbestos Screen (2)	NAD
					23/12/2015	Asbestos Level	NAD
					23/12/2015	Waste Limit	<0.1%
15/17326	8	WS210	0.20	245	23/12/2015	Mass of Dry Sample	51.4 (g)
					23/12/2015	General Description (Bulk Analysis)	Soil/Stone/Silt
					23/12/2015	Asbestos Containing Material	None
					23/12/2015	Asbestos Containing Material (2)	None
					23/12/2015	Asbestos Screen	NAD
					23/12/2015	Asbestos Screen (2)	NAD
					23/12/2015	Asbestos Level	NAD
					23/12/2015	Waste Limit	<0.1%
15/17326	8	WS210	1.00	251	23/12/2015	Mass of Dry Sample	48.3 (g)
					23/12/2015	General Description (Bulk Analysis)	Soil/Stone/Silt
					23/12/2015	Asbestos Containing Material	None

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

Contact	-						
J E Job	Batch	Sample ID	Depth	J E Sample	Date Of	Analysis	Result
No.				No.	Analysis		
15/17326	8	WS210	1.00	251	23/12/2015	Asbestos Containing Material (2)	None
					23/12/2015	Asbestos Screen	NAD
					23/12/2015	Asbestos Screen (2)	NAD
					23/12/2015	Asbestos Level	NAD
					23/12/2015	Waste Limit	<0.1%
15/17326	8	WS223	1.00	272	23/12/2015	Mass of Dry Sample	53.3 (g)
						General Description (Bulk Analysis)	Soil/Stone
						Asbestos Containing Material	None
						Asbestos Containing Material (2)	None
						Asbestos Screen	NAD
						Asbestos Screen (2)	NAD
						Asbestos Level	NAD
					23/12/2015	Waste Limit	<0.1%
					I.		ı

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

JE Job No.: 15/17326

SOILS

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCI (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 (UKAS) accreditation applies to surface water and groundwater and one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

DEVIATING SAMPLES

Samples must be received in a condition appropriate to the requested analyses. All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. If this is not the case you will be informed and any test results that may be compromised highlighted on your deviating samples report.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

DILUTIONS

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

NOTE

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a UKAS requirement for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.

Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

ABBREVIATIONS and ACRONYMS USED

#	ISO17025 (UKAS) accredited - UK.
В	Indicates analyte found in associated method blank.
DR	Dilution required.
M	MCERTS accredited.
NA	Not applicable
NAD	No Asbestos Detected.
ND	None Detected (usually refers to VOC and/SVOC TICs).
NDP	No Determination Possible
SS	Calibrated against a single substance
SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
++	Result outside calibration range, results should be considered as indicative only and are not accredited.
*	Analysis subcontracted to a Jones Environmental approved laboratory.
AD	Samples are dried at 35°C ±5°C
СО	Suspected carry over
LOD/LOR	Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS
ME	Matrix Effect
NFD	No Fibres Detected
BS	AQC Sample
LB	Blank Sample
N	Client Sample
ТВ	Trip Blank Sample
OC	Outside Calibration Range
AA	x5 Dilution
AB	x10 Dilution
AC	x50 Dilution

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465 and BS1377.	PM0	No preparation is required.				
PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465 and BS1377.	PM0	No preparation is required.			AR	Yes
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.			AR	Yes
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.			AR	
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes	Yes	AR	Yes
TM5	Modified USEPA 8015B method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) with carbon banding within the range C8-C40 GC-FID.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	Yes
TM5	Modified USEPA 8015B method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) with carbon banding within the range C8-C40 GC-FID.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.	Yes	Yes	AR	Yes
TM5	Modified USEPA 8015B method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) with carbon banding within the range C8-C40 GC-FID.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.			AR	Yes

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM5/TM36	TM005: Modified USEPA 8015B. Determination of solvent Extractable Petroleum Hydrocarbons (EPH) including column fractionation in the carbon range of C10-35 into aliphatic and aromatic fractions by GC-FID. TM036: Modified USEPA 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C5-10 by headspace GC-FID.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	Yes
TM5/TM36	TM005: Modified USEPA 8015B. Determination of solvent Extractable Petroleum Hydrocarbons (EPH) including column fractionation in the carbon range of C10-35 into aliphatic and aromatic fractions by GC-FID. TM036: Modified USEPA 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C5-10 by headspace GC-FID.	PM30/PM69	PM030: Eluate samples are extracted with solvent using a magnetic stirrer to create a vortex.PM069: One part soil is mixed with 10 parts water in a vial leaving no headspace. The mixture is shaken and then left to leach for 24 hours before VOC analysis.			AR	Yes
PM13	A visual examination of the solid sample is carried out to ascertain sample make up, colour and any other inclusions. This is not a geotechnical description.	PM0	No preparation is required.			AR	
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes		AR	Yes
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes	Yes	AR	Yes
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM69	Modified BS EN 12457 method. One part soil is mixed with 10 parts water in a vial leaving no headspace. The mixture is shaken and then left to leach for 24 hours before VOC analysis.			AR	Yes
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM69	Modified BS EN 12457 method. One part soil is mixed with 10 parts water in a vial leaving no headspace. The mixture is shaken and then left to leach for 24 hours before VOC analysis.			AR	
TM16	Modified USEPA 8270. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.			AR	Yes
TM16	Modified USEPA 8270. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM16	Modified USEPA 8270. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes	Yes	AR	Yes
TM17	Modified US EPA method 8270. Determination of specific Polychlorinated Biphenyl congeners by GC-MS.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.			AR	Yes
TM17	Modified US EPA method 8270. Determination of specific Polychlorinated Biphenyl congeners by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM21	Modified USEPA 415.1. Determination of Total Organic Carbon or Total Carbon by combustion in an Eltra TOC furnace/analyser in the presence of oxygen. The CO2 generated is quantified using infra-red detection.	PM24	Dried and ground solid samples are washed with hydrochloric acid, then rinsed with deionised water to remove the mineral carbon before TOC analysis.	Yes		AD	Yes
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7	PM14	Analysis of waters and leachates for metals by ICP OES. Samples are filtered for dissolved metals and acidified if required.	Yes		AR	Yes
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.			AD	Yes
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.	Yes	Yes	AD	Yes
TM36	Modified US EPA method 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM36	Modified US EPA method 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes	Yes	AR	Yes
TM36	Modified US EPA method 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID.	PM69	Modified BS EN 12457 method. One part soil is mixed with 10 parts water in a vial leaving no headspace. The mixture is shaken and then left to leach for 24 hours before VOC analysis.			AR	Yes

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
ТМ38	Soluble Ion analysis using the Thermo Aquakem Photometric Automatic Analyser. Modified US EPA methods 325.2, 375.4, 365.2, 353.1, 354.1	PM0	No preparation is required.			AR	Yes
ТМ38	Soluble Ion analysis using the Thermo Aquakem Photometric Automatic Analyser. Modified US EPA methods 325.2, 375.4, 365.2, 353.1, 354.1	PM20	Extraction of dried and ground samples with deionised water in a 2:1 water to solid ratio for anions. Extraction of as received samples with deionised water in a 2:1 water to solid ratio for ammoniacal nitrogen. Samples are extracted using an orbital shaker.	Yes		AR	Yes
TM60	Modified USEPA 9060. Determination of TOC by calculation from Total Carbon and Inorganic Carbon using a TOC analyser, the carbon in the sample is converted to CO2 and then passed through a non-dispersive infrared gas analyser (NDIR).	PM0	No preparation is required.			AR	Yes
TM65	Asbestos Bulk Identification method based on HSG 248.	PM42	Solid samples undergo a thorough visual inspection for asbestos fibres prior to asbestos identification using TM065.			AR	
TM65	Asbestos Bulk Identification method based on HSG 248.	PM42	Solid samples undergo a thorough visual inspection for asbestos fibres prior to asbestos identification using TM065.	Yes		AR	
TM73	Modified US EPA methods 150.1 and 9045D. Determination of pH by Metrohm automated probe analyser.	PM0	No preparation is required.			AR	Yes
TM73	Modified US EPA methods 150.1 and 9045D. Determination of pH by Metrohm automated probe analyser.	PM11	Extraction of as received solid samples using one part solid to 2.5 parts deionised water.	Yes	Yes	AR	No
TM74	Analysis of water soluble boron (20:1 extract) by ICP-OES.	PM32	Hot water soluble boron is extracted from dried and ground samples using a 20:1 ratio.	Yes	Yes	AD	Yes
TM89	Modified USEPA method OIA-1667. Determination of cyanide by Flow Injection Analyser.	PM0	No preparation is required.	Yes		AR	Yes
TM89	Modified USEPA method OIA-1667. Determination of cyanide by Flow Injection Analyser.	PM45	As received solid samples are extracted with 1M NaOH by orbital shaker for Cyanide and Thiocyanate analysis.	Yes	Yes	AR	Yes

Jones Environmental Laboratory

Method Code Appendix

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
NONE	No Method Code	NONE	No Method Code			AR	Yes
NONE	No Method Code	PM17	Modified method EN12457-2 As received solid samples are leached with water in a 10:1 water to soil ratio for 24 hours, the moisture content of the sample is included in the ratio.				
NONE	No Method Code	PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465 and BS1377.			AR	



Registered Address: Unit 3 Deeside Point, Zone 3, Deeside Industrial Park, Deeside, CH5 2UA. UK

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Zone 3

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Attention :

Date: 4th January, 2016

Your reference : PN153428

Our reference: Test Report 15/17326 Batch 9

Location : Stockport Bus Station

Date samples received : 15th December, 2015

Status: Final report

Issue:

Fourteen samples were received for analysis on 15th December, 2015 of which three were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.

All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Compiled By:

Client Name: Geotechnics
Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report : Solid

JE JOD NO.:	15/1/326			 	 	 			
J E Sample No.	289-291	292-294	313-315						
Sample ID	WS217	WS217	BH106						
Depth	1.00	1.30	1.10-1.20						
COC No / misc	1.00	1.00						e attached n ations and a	
Containers	VJ	۸٦	۸٦						
Sample Date	14/12/2015	14/12/2015	14/12/2015						
Sample Type	Soil	Soil	Soil						
Batch Number	9	9	9				LOD/LOR	Units	Method
Date of Receipt	15/12/2015	15/12/2015	15/12/2015				202/2011	00	No.
Arsenic #M	1.1	8.6	3.0				<0.5	mg/kg	TM30/PM15
Cadmium #M	0.4	0.2	<0.1				<0.1	mg/kg	TM30/PM15
Chromium #M	13.5	75.7	93.0				<0.5	mg/kg	TM30/PM15
Copper #M	7	10	19				<1	mg/kg	TM30/PM15
Lead ^{#M} Mercury ^{#M}	9 <0.1	21 <0.1	13 <0.1				<5 <0.1	mg/kg mg/kg	TM30/PM15 TM30/PM15
Nickel *M	6.9	19.9	11.6				<0.7	mg/kg	TM30/PM15
Selenium #M	<1	<1	<1				<1	mg/kg	TM30/PM15
Vanadium	4	30	15				<1	mg/kg	TM30/PM15
Water Soluble Boron ***	0.2	0.1	<0.1				<0.1	mg/kg	TM74/PM32
Zinc **M	17	207	22				<5	mg/kg	TM30/PM15
PAH MS									
Naphthalene #M	<0.04	<0.04	<0.04				<0.04	mg/kg	TM4/PM8
Acenaphthylene	<0.03	<0.03	0.03				<0.03	mg/kg	TM4/PM8
Acenaphthene **M Fluorene **M	<0.05 <0.04	<0.05 <0.04	0.07				<0.05 <0.04	mg/kg mg/kg	TM4/PM8 TM4/PM8
Phenanthrene *M	0.03	<0.03	0.66				<0.03	mg/kg	TM4/PM8
Anthracene #	<0.04	<0.04	0.20				<0.04	mg/kg	TM4/PM8
Fluoranthene *M	0.05	<0.03	0.87				<0.03	mg/kg	TM4/PM8
Pyrene#	0.06	<0.03	0.76				<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene #	<0.06	<0.06	0.38				<0.06	mg/kg	TM4/PM8
Chrysene **M	0.03	<0.02	0.45				<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #M	<0.07	<0.07	0.57				<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	<0.04 <0.04	<0.04 <0.04	0.43				<0.04 <0.04	mg/kg	TM4/PM8 TM4/PM8
Indeno(123cd)pyrene ** Dibenzo(ah)anthracene *	<0.04	<0.04	0.22				<0.04	mg/kg mg/kg	TM4/PM8
Benzo(ghi)perylene #	<0.04	<0.04	0.20				<0.04	mg/kg	TM4/PM8
PAH 16 Total	<0.6	<0.6	4.9				<0.6	mg/kg	TM4/PM8
Benzo(b)fluoranthene	<0.05	<0.05	0.41				<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	<0.02	<0.02	0.16				<0.02	mg/kg	TM4/PM8
PAH Surrogate % Recovery	119	124	130				<0	%	TM4/PM8

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report : Solid

JE JOD NO.:	15/1/326								
J E Sample No.	289-291	292-294	313-315						
Sample ID	WS217	WS217	BH106						
Depth	1.00	1.30	1.10-1.20						
	1.00	1.50	1.10-1.20					e attached nations and a	
COC No / misc									•
Containers	۸٦	٧J	۸٦						
Sample Date	14/12/2015	14/12/2015	14/12/2015						
Sample Type	Soil	Soil	Soil						
Batch Number	9	9	9						
							LOD/LOR	Units	Method No.
Date of Receipt	15/12/2015	15/12/2015	15/12/2015						
TPH CWG									
Aliphatics	.0.4	-0.4	.0.4				.0.4		T1400/F1440
>C5-C6 #M >C6-C8 #M	<0.1 <0.1	<0.1 <0.1	<0.1 <0.1				<0.1 <0.1	mg/kg	TM36/PM12 TM36/PM12
>C8-C10	<0.1	<0.1	<0.1				<0.1	mg/kg	TM36/PM12
>C10-C12 **M	<0.1	<0.1	<0.1				<0.1	mg/kg mg/kg	TM5/PM16
>C10-C12 >C12-C16 ***	<4	<4	<4				<4	mg/kg	TM5/PM16
>C16-C21 #M	<7	<7	<7				<7	mg/kg	TM5/PM16
>C21-C35 #M	122	<7	<7				<7	mg/kg	TM5/PM16
>C35-C44	10	<7	<7				<7	mg/kg	TM5/PM16
Total aliphatics C5-44	132	<26	<26				<26	mg/kg	TM5/TM36/PM16
Aromatics									
>C5-EC7	<0.1	<0.1	<0.1				<0.1	mg/kg	TM36/PM12
>EC7-EC8	<0.1	<0.1	<0.1				<0.1	mg/kg	TM36/PM12
>EC8-EC10 #M	<0.1	<0.1	<0.1				<0.1	mg/kg	TM36/PM12
>EC10-EC12	<0.2	<0.2	<0.2				<0.2	mg/kg	TM5/PM16
>EC12-EC16	<4	<4	<4				<4	mg/kg	TM5/PM16
>EC16-EC21	<7	<7	<7				<7	mg/kg	TM5/PM16
>EC21-EC35	86	<7	<7				<7	mg/kg	TM5/PM16
>EC35-EC44	<7	<7	<7				<7	mg/kg	TM5/PM16
Total aromatics C5-44	86	<26	<26				<26	mg/kg	TM5/TM36/PM16
Total aliphatics and aromatics(C5-44)	218	<52	<52				<52	mg/kg	TM5/TM36/PM16
MTBE#	<5	<5	<5				<5	ug/kg	TM31/PM12
Benzene #	<5	<5	<5				<5	ug/kg	TM31/PM12
Toluene #	<5	<5	<5				<5	ug/kg	TM31/PM12
Ethylbenzene #	<5	<5	<5				<5	ug/kg	TM31/PM12
m/p-Xylene#	<5	<5	<5				<5	ug/kg	TM31/PM12
o-Xylene #	<5	<5	<5				<5	ug/kg	TM31/PM12
2-Chlorophenol	<10	<10	<10				<10	ug/kg	TM16/PM8
								04	D144/D140
Natural Moisture Content	2.9	5.3	9.9				<0.1	%	PM4/PM0
O Mathedahanal	-10	-10	-10				-10		TM4.C/DM0
2-Methylphenol	<10	<10	<10				<10	ug/kg	TM16/PM8
2-Nitrophenol 2,4-Dichlorophenol	<10 <10	<10 <10	<10 <10				<10 <10	ug/kg	TM16/PM8 TM16/PM8
2,4-Dimethylphenol	<10	<10	<10				<10	ug/kg ug/kg	TM16/PM8
2,4,5-Trichlorophenol	<10	<10	<10				<10	ug/kg	TM16/PM8
2,4,6-Trichlorophenol	<10	<10	<10				<10	ug/kg	TM16/PM8
4-Chloro-3-methylphenol	<10	<10	<10				<10	ug/kg	TM16/PM8
4-Methylphenol	<10	<10	<10				<10	ug/kg	TM16/PM8
4-Nitrophenol	<10	<10	<10				<10	ug/kg	TM16/PM8
Pentachlorophenol	<10	<10	<10				<10	ug/kg	TM16/PM8

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report : Solid

JE JOD NO.:	15/1/326			 	 	 	 _		
J E Sample No.	289-291	292-294	313-315						
Sample ID	WS217	WS217	BH106						
Depth	1.00	1.30	1.10-1.20				Diagon	e attached n	etee for all
COC No / misc							abbrevi	ations and a	cronyms
Containers	٧J	VJ	٧J						
Sample Date	14/12/2015	14/12/2015	14/12/2015						
Sample Type	Soil	Soil	Soil						
Batch Number	9	9	9				1.00#.00	11-76-	Method
Date of Receipt	15/12/2015	15/12/2015	15/12/2015				LOD/LOR	Units	No.
Phenol	<10	<10	<10				<10	ug/kg	TM16/PM8
Total Speciated Phenols MS	<10	<10	<10				<10	ug/kg	TM16/PM8
Total Cyanide **M	<0.5	<0.5	<0.5				<0.5	mg/kg	TM89/PM45
Total Organic Carbon #	0.24	0.19	1.79				<0.02	%	TM21/PM24
рН ^{#М}	9.30	8.90	9.56				<0.01	pH units	TM73/PM11
Sample Type	Sand	Sand	Clayey Loam					None	PM13/PM0
Sample Colour		Medium Brown	Medium Brown					None	PM13/PM0
Other Items	stones	stones	stones					None	PM13/PM0

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

Note:

Analysis was carried out in accordance with our documented in-house methods PM042 and TM065 and HSG 248 by Stereo and Polarised Light Microscopy using Dispersion Staining Techniques and is covered by our UKAS accreditation. Samples are retained for not less than 6 months from the date of analysis unless specifically requested.

Opinions lie outside the scope of our UKAS accreditation.

Where the sample is not taken by a Jones Environmental Laboratory consultant, Jones Environmental Laboratory cannot be responsible for inaccurate or unrepresentative sampling.

Any questionable sample will automatically be assumed to have breached the Waste Limit and further testing may be required.

Signed on behalf of Jones Environmental Laboratory:

Asbestos Team Leader

J E Job No.	Batch	Sample ID	Depth	J E Sample No.	Date Of Analysis	Analysis	Result
15/17326	9	WS217	1.00	290	23/12/2015	Mass of Dry Sample	55.8 (g)
						General Description (Bulk Analysis)	Soil/Stone
					23/12/2015	Asbestos Containing Material	None
					23/12/2015	Asbestos Containing Material (2)	None
					23/12/2015	Asbestos Screen	NAD
					23/12/2015	Asbestos Screen (2)	NAD
					23/12/2015	Asbestos Level	NAD
					23/12/2015	Waste Limit	<0.1%

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

JE Job No.: 15/17326

SOILS

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCI (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 (UKAS) accreditation applies to surface water and groundwater and one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

DEVIATING SAMPLES

Samples must be received in a condition appropriate to the requested analyses. All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. If this is not the case you will be informed and any test results that may be compromised highlighted on your deviating samples report.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

DILUTIONS

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

NOTE

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a UKAS requirement for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.

Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

ABBREVIATIONS and ACRONYMS USED

#	ISO17025 (UKAS) accredited - UK.
В	Indicates analyte found in associated method blank.
DR	Dilution required.
M	MCERTS accredited.
NA	Not applicable
NAD	No Asbestos Detected.
ND	None Detected (usually refers to VOC and/SVOC TICs).
NDP	No Determination Possible
SS	Calibrated against a single substance
SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
++	Result outside calibration range, results should be considered as indicative only and are not accredited.
*	Analysis subcontracted to a Jones Environmental approved laboratory.
AD	Samples are dried at 35°C ±5°C
СО	Suspected carry over
LOD/LOR	Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS
ME	Matrix Effect
NFD	No Fibres Detected
BS	AQC Sample
LB	Blank Sample
N	Client Sample
TB	Trip Blank Sample
ОС	Outside Calibration Range

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465 and BS1377.	PM0	No preparation is required.				
PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465 and BS1377.	PM0	No preparation is required.			AR	Yes
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes	Yes	AR	Yes
TM5	Modified USEPA 8015B method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) with carbon banding within the range C8-C40 GC-FID.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	Yes
TM5	Modified USEPA 8015B method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) with carbon banding within the range C8-C40 GC-FID.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.	Yes	Yes	AR	Yes
TM5/TM36	TM005: Modified USEPA 8015B. Determination of solvent Extractable Petroleum Hydrocarbons (EPH) including column fractionation in the carbon range of C10-35 into aliphatic and aromatic fractions by GC-FID. TM036: Modified USEPA 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C5-10 by headspace GC-FID.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	Yes
PM13	A visual examination of the solid sample is carried out to ascertain sample make up, colour and any other inclusions. This is not a geotechnical description.	PM0	No preparation is required.			AR	
TM16	Modified USEPA 8270. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM21	Modified USEPA 415.1. Determination of Total Organic Carbon or Total Carbon by combustion in an Eltra TOC furnace/analyser in the presence of oxygen. The CO2 generated is quantified using infra-red detection.	PM24	Dried and ground solid samples are washed with hydrochloric acid, then rinsed with deionised water to remove the mineral carbon before TOC analysis.	Yes		AD	Yes
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.			AD	Yes
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.	Yes	Yes	AD	Yes
TM31	Modified USEPA 8015B. Determination of Methyltertbutylether, Benzene, Toluene, Ethylbenzene and Xylene by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM31	Modified USEPA 8015B. Determination of Methyltertbutylether, Benzene, Toluene, Ethylbenzene and Xylene by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes		AR	Yes
TM36	Modified US EPA method 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM36	Modified US EPA method 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes	Yes	AR	Yes
TM65	Asbestos Bulk Identification method based on HSG 248.	PM42	Solid samples undergo a thorough visual inspection for asbestos fibres prior to asbestos identification using TM065.			AR	
TM65	Asbestos Bulk Identification method based on HSG 248.	PM42	Solid samples undergo a thorough visual inspection for asbestos fibres prior to asbestos identification using TM065.	Yes		AR	
TM73	Modified US EPA methods 150.1 and 9045D. Determination of pH by Metrohm automated probe analyser.	PM11	Extraction of as received solid samples using one part solid to 2.5 parts deionised water.	Yes	Yes	AR	No

Jones Environmental Laboratory

Method Code Appendix

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM74	Analysis of water soluble boron (20:1 extract) by ICP-OES.	PM32	Hot water soluble boron is extracted from dried and ground samples using a 20:1 ratio.	Yes	Yes	AD	Yes
TM89	Modified USEPA method OIA-1667. Determination of cyanide by Flow Injection Analyser.	PM45	As received solid samples are extracted with 1M NaOH by orbital shaker for Cyanide and Thiocyanate analysis.	Yes	Yes	AR	Yes



Registered Address: Unit 3 Deeside Point, Zone 3, Deeside Industrial Park, Deeside, CH5 2UA. UK

Unit 3 Deeside Point

Zone 3

Deeside Industrial Park

Deeside CH5 2UA

Geotechnics
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Borders Industrial Park
River Lane
Chester
Cheshire
CH4 8RJ

Tel: +44 (0) 1244 833780 Fax: +44 (0) 1244 833781







Attention:

Date: 6th January, 2016

Your reference : PN153428

Our reference : Test Report 15/17326 Batch 10

Location : Stockport Bus Station

Date samples received: 17th December, 2015

Status: Final report

Issue:

Eight samples were received for analysis on 17th December, 2015 of which two were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.

All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Compiled By:

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report : Solid

	10/1/020			 			 		Ī					
J E Sample No.	334-336	340-342												
Sample ID	BH109	BH109												
Depth	1.00-1.20	3.00-3.20							Please see attached notes for abbreviations and acronyms					
COC No / misc														
Containers	VJ	VJ												
Sample Date														
Sample Type	Soil	Soil												
Batch Number	10	10							LOD/LOR	Units	Method			
Date of Receipt	17/12/2015	17/12/2015									No.			
Arsenic *M	6.9	5.3							<0.5	mg/kg	TM30/PM15			
Cadmium #M	0.1	<0.1							<0.1	mg/kg	TM30/PM15			
Chromium *M	58.4	68.2							<0.5	mg/kg	TM30/PM15			
Copper #M	22	7							<1	mg/kg	TM30/PM15			
Lead #M	91	10							<5	mg/kg	TM30/PM15			
Mercury ^{#M} Nickel ^{#M}	0.1 12.4	<0.1 20.8							<0.1 <0.7	mg/kg	TM30/PM15 TM30/PM15			
Selenium *M	<1	20.6 <1							<1	mg/kg mg/kg	TM30/PM15			
Vanadium	21	22							<1	mg/kg	TM30/PM15			
Water Soluble Boron ***	0.4	0.5							<0.1	mg/kg	TM74/PM32			
Zinc **M	25	82							<5	mg/kg	TM30/PM15			
										0 0				
PAH MS														
Naphthalene #M	<0.04	<0.04							<0.04	mg/kg	TM4/PM8			
Acenaphthylene	0.03	<0.03							<0.03	mg/kg	TM4/PM8			
Acenaphthene #M	<0.05	<0.05							<0.05	mg/kg	TM4/PM8			
Fluorene #M	<0.04	<0.04							<0.04	mg/kg	TM4/PM8			
Phenanthrene #M	0.20	<0.03							<0.03	mg/kg	TM4/PM8			
Anthracene #	0.08	<0.04							<0.04	mg/kg	TM4/PM8			
Fluoranthene #M	0.64	0.04							<0.03	mg/kg	TM4/PM8			
Pyrene #	0.60	<0.03							<0.03	mg/kg	TM4/PM8			
Benzo(a)anthracene#	0.41	<0.06							<0.06	mg/kg	TM4/PM8			
Chrysene #M	0.42	0.05							<0.02	mg/kg	TM4/PM8			
Benzo(bk)fluoranthene #M	0.89	<0.07 0.06							<0.07 <0.04	mg/kg	TM4/PM8 TM4/PM8			
Benzo(a)pyrene # Indeno(123cd)pyrene #M	0.30	<0.04							<0.04	mg/kg mg/kg	TM4/PM8			
Dibenzo(ah)anthracene #	0.06	<0.04							<0.04	mg/kg	TM4/PM8			
Benzo(ghi)perylene #	0.32	<0.04							<0.04	mg/kg	TM4/PM8			
PAH 16 Total	4.6	<0.6							<0.6	mg/kg	TM4/PM8			
Benzo(b)fluoranthene	0.64	<0.05							<0.05	mg/kg	TM4/PM8			
Benzo(k)fluoranthene	0.25	<0.02							<0.02	mg/kg	TM4/PM8			
PAH Surrogate % Recovery	99	110							<0	%	TM4/PM8			
Methyl Tertiary Butyl Ether ***	<6	-							<6	ug/kg	TM15/PM10			
Benzene #M	<5	-							<5	ug/kg	TM15/PM10			
Toluene #M	<3	-							<3	ug/kg	TM15/PM10			
Ethylbenzene #M	<3	-							<3	ug/kg	TM15/PM10			
p/m-Xylene *M	<4	-							<4	ug/kg	TM15/PM10			
o-Xylene **M Surrogate Recovery Toluene D8	<4 114	-							<4 <0	ug/kg %	TM15/PM10 TM15/PM10			
Surrogate Recovery 1-Diuene D8 Surrogate Recovery 4-Bromofluorobenzene	117	-							<0	%	TM15/PM10			
		_							-0	70	.10110/110110			
			ı	1	1	1	<u> </u>							

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report : Solid

Soil 10	340-342 BH109 3.00-3.20 V J 15/12/2015 Soil 10										e attached n	otes for all
V J 5/12/2015 Soil	3.00-3.20 V J 15/12/2015 Soil 10											otes for all
V J 5/12/2015 Soil 10	V J 15/12/2015 Soil 10											otes for all
5/12/2015 Soil 10	15/12/2015 Soil 10											oles ioi aii
5/12/2015 Soil 10	15/12/2015 Soil 10									abbrevia	auons and a	cronyms
5/12/2015 Soil 10	15/12/2015 Soil 10											
Soil 10	Soil 10											
10	10											
	-											
7/12/2015										LOD/LOR	Units	Method
	17/12/2015									LOD/LOR	Offics	No.
<0.1	<0.1									<0.1	mg/kg	TM36/PM12
<0.1	<0.1									<0.1	mg/kg	TM36/PM12
<0.1	<0.1									<0.1	mg/kg	TM36/PM12
<0.2	<0.2									<0.2	mg/kg	TM5/PM16
<4	<4									<4	mg/kg	TM5/PM16
<7	<7									<7	mg/kg	TM5/PM16
23	30									<7	mg/kg	TM5/PM16
<7	<7									<7	mg/kg	TM5/PM16
<26	30									<26	mg/kg	TM5/TM36/PM16
												TM36/PM12
												TM36/PM12
												TM36/PM12
												TM5/PM16
												TM5/PM16
												TM5/PM16 TM5/PM16
												TM5/PM16
												TM5/TM36/PM16
												TM5/TM36/PM16
2.0											99	
-	<5									<5	ug/kg	TM31/PM12
-	<5									<5		TM31/PM12
-	<5									<5	ug/kg	TM31/PM12
-	<5									<5	ug/kg	TM31/PM12
-	<5									<5	ug/kg	TM31/PM12
-	<5									<5	ug/kg	TM31/PM12
<5	-									<5	ug/kg	TM17/PM8
<5	-									<5	ug/kg	TM17/PM8
<5	-									<5	ug/kg	TM17/PM8
<5	-									<5	ug/kg	TM17/PM8
<5	-									<5	ug/kg	TM17/PM8
<5	-									<5	ug/kg	TM17/PM8
	-											TM17/PM8
<35	-									<35	ug/kg	TM17/PM8
-40	-40									-40		TM40/DM2
< IU	<10									<10	ug/Kg	TM16/PM8
15.8	21.4									<0.1	%	PM4/PM0
10.0	21.7									-0.1	70	7 IVI-77 IVIO
<10	<10									<10	ug/kg	TM16/PM8
	<0.1 <0.1 <0.2 <4 <7 23 <7 <26 <0.1 <0.1 <0.1 <0.1 <0.2 <4 8 162 48 218 218 <5 <5 <5 <5 <5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.2 40.2 40.2 40.2 40.2 40.2 40.2 40.2 40.2 44.4 47.7 40.1 40.2 44.4 44.4 44.4 44.4 44.4 44.4 44.4 <td< td=""><td> COLT /td></td<>	COLT COLT

Client Name: Geotechnics
Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report : Solid

2.4-Dichlorophenol	JE Job No.:	15/17326		 	 	 	 	_				
Depth 1.00-1.20 3.00-3.20	J E Sample No.	334-336	340-342									
COC No / misc COC NO / mis	Sample ID	BH109	BH109									
COCN o	Depth	1.00-1.20	3.00-3.20									
Sample Date S71/2/2015 S0il S	-											
Sample Type Soil	Containers	٧J	٧J									
Batch Number 10	Sample Date	15/12/2015	15/12/2015									
Date of Receipt 17/12/2015 17/12/2015	Sample Type	Soil	Soil									
No. Batch Number	10	10							Method			
2.4-Dichlorophenol	Date of Receipt	17/12/2015	17/12/2015					LOD/LOR	Units			
2,4-Dimethylphenol <10 <10 <10 ug/kg TM16/PM8 2,4,5-Trichlorophenol <10 <10 <10 ug/kg TM16/PM8 2,4,6-Trichlorophenol <10 <10 ug/kg TM16/PM8 4-Chloro-3-methylphenol <10 <10 ug/kg TM16/PM8 4-Methylphenol <10 <10 ug/kg TM16/PM8 4-Mitrophenol <10 <10 ug/kg TM16/PM8 4-Nitrophenol <10 <10 ug/kg TM16/PM8 4-Nitrophenol <10 <10 ug/kg TM16/PM8 Pentachlorophenol <10 <10 ug/kg TM16/PM8 Phenol <10 <10 ug/kg TM16/PM8 Total Speciated Phenols MS <10 <10 ug/kg TM16/PM8 Total Cyanide **M <0.5 <0.5 <0.5 mg/kg TM89/PM5 Total Cyanide **M <0.5 <0.5 <0.5 <0.5 <0.5 <0.02 % TM21/PM24 Total Organic Carbon ** <0.32 <0.5 <0.5 <0.01 <	2-Nitrophenol	<10	<10					<10	ug/kg	TM16/PM8		
2,4,5-Trichlorophenol <10	2,4-Dichlorophenol	<10	<10					<10	ug/kg	TM16/PM8		
2.4,6-Trichlorophenol	2,4-Dimethylphenol	<10	<10					<10	ug/kg	TM16/PM8		
2.4,6-Trichlorophenol	2,4,5-Trichlorophenol	<10	<10					<10		TM16/PM8		
4-Chloro-3-methylphenol < 10 < 10 < 10 < 10 < 10 < 10 < 10 < 1	2,4,6-Trichlorophenol											
4-Methylphenol	•											
4-Nitrophenol < 10												
Pentachlorophenol < 10												
Phenol												
Total Speciated Phenols MS												
Total Cyanide **M												
Total Organic Carbon	Total Speciated Phenols MS	<10	<10					<10	ug/kg	TM16/PM8		
Total Organic Carbon												
pH MM 8.36 8.36 8.36 8.36 8.36 8.36 8.36 8.36 8.36 8.36 8.36 8.36 8.36 8.36 8.36 9.00 <t< td=""><td>Total Cyanide #M</td><td><0.5</td><td><0.5</td><td></td><td></td><td></td><td></td><td><0.5</td><td>mg/kg</td><td>TM89/PM45</td></t<>	Total Cyanide #M	<0.5	<0.5					<0.5	mg/kg	TM89/PM45		
Sample Type Sand Sand None PM13/PM0 Sample Colour Red Medium Brown None PM13/PM0	Total Organic Carbon #	0.32	0.15					<0.02	%	TM21/PM24		
Sample Type Sand Sand None PM13/PM0 Sample Colour Red Medium Brown None PM13/PM0												
Sample Colour Red Medium Brown None PM13/PM0	рН * М	8.36	8.36					<0.01	pH units	TM73/PM11		
Sample Colour Red Medium Brown None PM13/PM0	Sample Type	Sand	Sand						None	PM13/PM0		
		Red	Medium Brown						None	PM13/PM0		
	·	stones	mostly stones						None	PM13/PM0		
			-									

Client Name: Geotechnics

Reference: PN153428
Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

SVOC Report : Solid

JE Job No.:	15/17326							
J E Sample No.	334-336							
Sample ID	BH109							
Depth	1.00-1.20					Please se	e attached n	otes for all
COC No / misc							ations and a	
Containers	VJ							
Sample Date	15/12/2015							
Sample Type	Soil							
Batch Number	10					LOD/LOR	Units	Method
Date of Receipt	17/12/2015							No.
SVOC MS								
Phenois	.40					.40		T1440/D140
2-Chlorophenol *M	<10					<10 <10	ug/kg	TM16/PM8 TM16/PM8
2-Methylphenol 2-Nitrophenol	<10 <10					<10	ug/kg ug/kg	TM16/PM8
2,4-Dichlorophenol #M	<10					<10	ug/kg	TM16/PM8
2,4-Dimethylphenol	<10					<10	ug/kg	TM16/PM8
2,4,5-Trichlorophenol	<10					<10	ug/kg	TM16/PM8
2,4,6-Trichlorophenol	<10					<10	ug/kg	TM16/PM8
4-Chloro-3-methylphenol	<10					<10	ug/kg	TM16/PM8
4-Methylphenol	<10					<10	ug/kg	TM16/PM8
4-Nitrophenol	<10					<10	ug/kg	TM16/PM8
Pentachlorophenol	<10					<10	ug/kg	TM16/PM8
Phenol *M	<10					<10	ug/kg	TM16/PM8
PAHs	-10					-10		TM4.C/DM0
2-Chloronaphthalene #M 2-Methylnaphthalene #M Phthalates	<10 22					<10 <10	ug/kg ug/kg	TM16/PM8 TM16/PM8
Bis(2-ethylhexyl) phthalate	201					<100	ug/kg	TM16/PM8
Butylbenzyl phthalate	<100					<100	ug/kg	TM16/PM8
Di-n-butyl phthalate	<100					<100	ug/kg	TM16/PM8
Di-n-Octyl phthalate	<100					<100	ug/kg	TM16/PM8
Diethyl phthalate	<100					<100	ug/kg	TM16/PM8
Dimethyl phthalate #M	<100					<100	ug/kg	TM16/PM8
Other SVOCs 1,2-Dichlorobenzene	<10					-10		TM16/PM8
1,2,4-Trichlorobenzene *M	<10					<10 <10	ug/kg ug/kg	TM16/PM8
1,3-Dichlorobenzene	<10					<10	ug/kg	TM16/PM8
1,4-Dichlorobenzene	<10					<10	ug/kg	TM16/PM8
2-Nitroaniline	<10					<10	ug/kg	TM16/PM8
2,4-Dinitrotoluene	<10					<10	ug/kg	TM16/PM8
2,6-Dinitrotoluene	<10					<10	ug/kg	TM16/PM8
3-Nitroaniline	<10					<10	ug/kg	TM16/PM8
4-Bromophenylphenylether ***	<10					<10	ug/kg	TM16/PM8
4-Chloroaniline	<10					<10	ug/kg	TM16/PM8
4-Chlorophenylphenylether 4-Nitroaniline	<10 <10					<10 <10	ug/kg	TM16/PM8 TM16/PM8
Azobenzene	<10					<10	ug/kg ug/kg	TM16/PM8
Bis(2-chloroethoxy)methane	<10					<10	ug/kg	TM16/PM8
Bis(2-chloroethyl)ether	<10					<10	ug/kg	TM16/PM8
Carbazole	28					<10	ug/kg	TM16/PM8
Dibenzofuran #M	31					<10	ug/kg	TM16/PM8
Hexachlorobenzene	<10					<10	ug/kg	TM16/PM8
Hexachlorobutadiene #M	<10					<10	ug/kg	TM16/PM8
Hexachlorocyclopentadiene	<10					<10	ug/kg	TM16/PM8
Hexachloroethane	<10					<10	ug/kg	TM16/PM8
Isophorone **M N-nitrosodi-n-propylamine **M	<10 <10					<10 <10	ug/kg ug/kg	TM16/PM8 TM16/PM8
Nitrobenzene **M	<10					<10	ug/kg ug/kg	TM16/PM8
Milloberizerie	110					110	ug/kg	TWITO/I WIO
								-
								<u> </u>
								<u> </u>

Client Name: Geotechnics

Reference: PN153428
Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

VOC Report : Solid

JE Job No.:	15/17326								
J E Sample No.	334-336								
Sample ID	BH109								
Depth	1.00-1.20						Please se	e attached n	otes for all
COC No / misc							abbrevi	ations and a	cronyms
Containers	VJ								
Sample Date	15/12/2015								
Sample Type Batch Number	Soil 10								Method
Date of Receipt	17/12/2015						LOD/LOR	Units	No.
VOC MS									
Dichlorodifluoromethane	<2						<2	ug/kg	TM15/PM10
Methyl Tertiary Butyl Ether **	<6						<6	ug/kg	TM15/PM10
Chloromethane #	<3						<3	ug/kg	TM15/PM10
Vinyl Chloride Bromomethane	<2 <1						<2 <1	ug/kg ug/kg	TM15/PM10 TM15/PM10
Chloroethane #M	<6						<6	ug/kg ug/kg	TM15/PM10
Trichlorofluoromethane #M	<3						<3	ug/kg	TM15/PM10
1,1-Dichloroethene (1,1 DCE) **M	<6						<6	ug/kg	TM15/PM10
Dichloromethane (DCM) #	<7						<7	ug/kg	TM15/PM10
trans-1-2-Dichloroethene #	<3						<3	ug/kg	TM15/PM10
1,1-Dichloroethane #M	<6						<6 <7	ug/kg	TM15/PM10 TM15/PM10
cis-1-2-Dichloroethene #M 2,2-Dichloropropane	<7 <4						<7 <4	ug/kg ug/kg	TM15/PM10 TM15/PM10
Bromochloromethane **M	<4						<4	ug/kg	TM15/PM10
Chloroform *M	<5						<5	ug/kg	TM15/PM10
1,1,1-Trichloroethane #M	<5						<5	ug/kg	TM15/PM10
1,1-Dichloropropene #	<3						<3	ug/kg	TM15/PM10
Carbon tetrachloride #M	<4						<4	ug/kg	TM15/PM10
1,2-Dichloroethane *** Benzene ***	<5 <5						<5 <5	ug/kg ug/kg	TM15/PM10 TM15/PM10
Trichloroethene (TCE) #M	<5 <5						<5 <5	ug/kg ug/kg	TM15/PM10
1,2-Dichloropropane **M	<4						<4	ug/kg	TM15/PM10
Dibromomethane #M	<4						<4	ug/kg	TM15/PM10
Bromodichloromethane #M	<4						<4	ug/kg	TM15/PM10
cis-1-3-Dichloropropene	<4						<4	ug/kg	TM15/PM10
Toluene #M	<3 <3						<3	ug/kg	TM15/PM10 TM15/PM10
trans-1-3-Dichloropropene 1,1,2-Trichloroethane ***	<4						<3 <4	ug/kg ug/kg	TM15/PM10
Tetrachloroethene (PCE)#	<3						<3	ug/kg	TM15/PM10
1,3-Dichloropropane *M	<4						<4	ug/kg	TM15/PM10
Dibromochloromethane #M	<5						<5	ug/kg	TM15/PM10
1,2-Dibromoethane #	<3						<3	ug/kg	TM15/PM10
Chlorobenzene #M	<4						<4	ug/kg	TM15/PM10 TM15/PM10
1,1,1,2-Tetrachloroethane *** Ethylbenzene ***	<5 <3						<5 <3	ug/kg ug/kg	TM15/PM10
p/m-Xylene *M	<4						<4	ug/kg	TM15/PM10
o-Xylene #M	<4						<4	ug/kg	TM15/PM10
Styrene	<3						<3	ug/kg	TM15/PM10
Bromoform	<4						<4	ug/kg	TM15/PM10
Isopropylbenzene #	<3						<3	ug/kg	TM15/PM10
1,1,2,2-Tetrachloroethane **M Bromobenzene	<3 <2						<3 <2	ug/kg ug/kg	TM15/PM10 TM15/PM10
1,2,3-Trichloropropane **M	<4						<4	ug/kg ug/kg	TM15/PM10
Propylbenzene #	<4						<4	ug/kg	TM15/PM10
2-Chlorotoluene	<3						<3	ug/kg	TM15/PM10
1,3,5-Trimethylbenzene #	<3						<3	ug/kg	TM15/PM10
4-Chlorotoluene	<3						<3	ug/kg	TM15/PM10
tert-Butylbenzene #	<5 <6						<5	ug/kg	TM15/PM10 TM15/PM10
1,2,4-Trimethylbenzene * sec-Butylbenzene *	<4						<6 <4	ug/kg ug/kg	TM15/PM10
4-Isopropyltoluene #	<4						<4	ug/kg	TM15/PM10
1,3-Dichlorobenzene #M	<4						<4	ug/kg	TM15/PM10
1,4-Dichlorobenzene #	<4						<4	ug/kg	TM15/PM10
n-Butylbenzene#	<4						<4	ug/kg	TM15/PM10
1,2-Dichlorobenzene #M	<4						<4	ug/kg	TM15/PM10
1,2-Dibromo-3-chloropropane # 1,2,4-Trichlorobenzene #	<4 <7						<4 <7	ug/kg ug/kg	TM15/PM10 TM15/PM10
Hexachlorobutadiene	<4						<4	ug/kg ug/kg	TM15/PM10
Naphthalene	<27						<27	ug/kg	TM15/PM10
1,2,3-Trichlorobenzene #	<7						<7	ug/kg	TM15/PM10
Surrogate Recovery Toluene D8	114						<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	117	 	<u> </u>				<0	%	TM15/PM10

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

Note:

Analysis was carried out in accordance with our documented in-house methods PM042 and TM065 and HSG 248 by Stereo and Polarised Light Microscopy using Dispersion Staining Techniques and is covered by our UKAS accreditation. Samples are retained for not less than 6 months from the date of analysis unless specifically requested.

Opinions lie outside the scope of our UKAS accreditation.

Where the sample is not taken by a Jones Environmental Laboratory consultant, Jones Environmental Laboratory cannot be responsible for inaccurate or unrepresentative sampling.

Any questionable sample will automatically be assumed to have breached the Waste Limit and further testing may be required.

Signed on behalf of Jones Environmental Laboratory:

Asbestos Team Leader

J E Job No.	Batch	Sample ID	Depth	J E Sample No.	Date Of Analysis	Analysis	Result
15/17326	10	BH109	1.00-1.20	335	24/12/2015	Mass of Dry Sample	49.9 (g)
						General Description (Bulk Analysis)	Soil/Stone/Brick
					24/12/2015	Asbestos Containing Material	None
					24/12/2015	Asbestos Containing Material (2)	None
						Asbestos Screen	NAD
					24/12/2015	Asbestos Screen (2)	NAD
					24/12/2015	Asbestos Level	NAD
					24/12/2015	Waste Limit	<0.1%

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

JE Job No.: 15/17326

SOILS

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCI (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 (UKAS) accreditation applies to surface water and groundwater and one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

DEVIATING SAMPLES

Samples must be received in a condition appropriate to the requested analyses. All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. If this is not the case you will be informed and any test results that may be compromised highlighted on your deviating samples report.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

DILUTIONS

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

NOTE

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a UKAS requirement for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.

Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

ABBREVIATIONS and ACRONYMS USED

#	ISO17025 (UKAS) accredited - UK.
В	Indicates analyte found in associated method blank.
DR	Dilution required.
M	MCERTS accredited.
NA	Not applicable
NAD	No Asbestos Detected.
ND	None Detected (usually refers to VOC and/SVOC TICs).
NDP	No Determination Possible
SS	Calibrated against a single substance
SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
++	Result outside calibration range, results should be considered as indicative only and are not accredited.
*	Analysis subcontracted to a Jones Environmental approved laboratory.
AD	Samples are dried at 35°C ±5°C
СО	Suspected carry over
LOD/LOR	Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS
ME	Matrix Effect
NFD	No Fibres Detected
BS	AQC Sample
LB	Blank Sample
N	Client Sample
TB	Trip Blank Sample
OC	Outside Calibration Range

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465 and BS1377.	PM0	No preparation is required.				
PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465 and BS1377.	PM0	No preparation is required.			AR	Yes
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes	Yes	AR	Yes
TM5	Modified USEPA 8015B method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) with carbon banding within the range C8-C40 GC-FID.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	Yes
TM5	Modified USEPA 8015B method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) with carbon banding within the range C8-C40 GC-FID.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.	Yes	Yes	AR	Yes
TM5/TM36	TM005: Modified USEPA 8015B. Determination of solvent Extractable Petroleum Hydrocarbons (EPH) including column fractionation in the carbon range of C10-35 into aliphatic and aromatic fractions by GC-FID. TM036: Modified USEPA 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C5-10 by headspace GC-FID.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	Yes
PM13	A visual examination of the solid sample is carried out to ascertain sample make up, colour and any other inclusions. This is not a geotechnical description.	PM0	No preparation is required.			AR	
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes		AR	Yes
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes	Yes	AR	Yes
TM16	Modified USEPA 8270. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes
TM16	Modified USEPA 8270. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes	Yes	AR	Yes
TM17	Modified US EPA method 8270. Determination of specific Polychlorinated Biphenyl congeners by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM21	Modified USEPA 415.1. Determination of Total Organic Carbon or Total Carbon by combustion in an Eltra TOC furnace/analyser in the presence of oxygen. The CO2 generated is quantified using infra-red detection.	PM24	Dried and ground solid samples are washed with hydrochloric acid, then rinsed with deionised water to remove the mineral carbon before TOC analysis.	Yes		AD	Yes
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.			AD	Yes
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.	Yes	Yes	AD	Yes
TM31	Modified USEPA 8015B. Determination of Methyltertbutylether, Benzene, Toluene, Ethylbenzene and Xylene by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM31	Modified USEPA 8015B. Determination of Methyltertbutylether, Benzene, Toluene, Ethylbenzene and Xylene by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes		AR	Yes

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM36	Modified US EPA method 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM36	Modified US EPA method 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes	Yes	AR	Yes
TM65	Asbestos Bulk Identification method based on HSG 248.	PM42	Solid samples undergo a thorough visual inspection for asbestos fibres prior to asbestos identification using TM065.			AR	
TM65	Asbestos Bulk Identification method based on HSG 248.	PM42	Solid samples undergo a thorough visual inspection for asbestos fibres prior to asbestos identification using TM065.	Yes		AR	
TM73	Modified US EPA methods 150.1 and 9045D. Determination of pH by Metrohm automated probe analyser.	PM11	Extraction of as received solid samples using one part solid to 2.5 parts deionised water.	Yes	Yes	AR	No
TM74	Analysis of water soluble boron (20:1 extract) by ICP-OES.	PM32	Hot water soluble boron is extracted from dried and ground samples using a 20:1 ratio.	Yes	Yes	AD	Yes
TM89	Modified USEPA method OIA-1667. Determination of cyanide by Flow Injection Analyser.	PM45	As received solid samples are extracted with 1M NaOH by orbital shaker for Cyanide and Thiocyanate analysis.	Yes	Yes	AR	Yes



Registered Address: Unit 3 Deeside Point, Zone 3, Deeside Industrial Park, Deeside, CH5 2UA. UK

Unit 3 Deeside Point

Zone 3

Deeside Industrial Park

Deeside CH5 2UA

Geotechnics
Unit 1B
Borders Industrial Park
River Lane
Chester
Cheshire
CH4 8RJ

Tel: +44 (0) 1244 833780 Fax: +44 (0) 1244 833781







Attention:

Date: 6th January, 2016

Your reference : PN153428

Our reference: Test Report 15/17326 Batch 11

Location : Stockport Bus Station

Date samples received : 18th December, 2015

Status: Final report

Issue:

Five samples were received for analysis on 18th December, 2015 of which two were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.

All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Compiled By:

Client Name: Geotechnics
Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report : Solid

	15/1/326		 	 	 			_,		
J E Sample No.	349-351	355								
Sample ID	WS218A	WS218A								
Depth	0.50	1.20								
COC No / misc	0.50	1.20							e attached nations and a	
Containers	۷J	V								
Sample Date	<>	<>								
Sample Type	Soil	Soil								
Batch Number	11	11						1.00#.00	11-26-	Method
Date of Receipt	18/12/2015	18/12/2015						LOD/LOR	Units	No.
Arsenic #M	0.9	1.5						<0.5	mg/kg	TM30/PM15
Cadmium #M	12.5	5.4						<0.1	mg/kg	TM30/PM15
Chromium #M	17.6	55.9						<0.5	mg/kg	TM30/PM15
Copper *M	12	14						<1	mg/kg	TM30/PM15
Lead #M	42	31						<5	mg/kg	TM30/PM15
Mercury *M	<0.1	<0.1						<0.1	mg/kg	TM30/PM15
Nickel #M	5.5	11.4						<0.7	mg/kg	TM30/PM15
Selenium *M	<1	<1						<1	mg/kg	TM30/PM15
Vanadium	4	12						<1	mg/kg	TM30/PM15
Water Soluble Boron #M	0.2	0.2						<0.1	mg/kg	TM74/PM32
Zinc #M	32	42						<5	mg/kg	TM30/PM15
PAH MS										
Naphthalene **M	<0.04	<0.04						<0.04	ma/ka	TM4/PM8
Acenaphthylene	<0.04	<0.04						<0.04	mg/kg mg/kg	TM4/PM8
Acenaphthene #M	<0.05	<0.05						<0.05	mg/kg	TM4/PM8
Fluorene #M	<0.04	<0.04						<0.04	mg/kg	TM4/PM8
Phenanthrene #M	<0.03	<0.03						<0.03	mg/kg	TM4/PM8
Anthracene #	<0.04	<0.04						<0.04	mg/kg	TM4/PM8
Fluoranthene *M	<0.03	<0.03						<0.03	mg/kg	TM4/PM8
Pyrene #	<0.03	<0.03						<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene#	<0.06	<0.06						<0.06	mg/kg	TM4/PM8
Chrysene #M	0.02	0.02						<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene ***	<0.07	<0.07						<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	<0.04	<0.04						<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene #M	<0.04	<0.04						<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	<0.04	<0.04						<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	<0.04	<0.04						<0.04	mg/kg	TM4/PM8
PAH 16 Total	<0.6	<0.6						<0.6	mg/kg	TM4/PM8
Benzo(b)fluoranthene Benzo(k)fluoranthene	<0.05 <0.02	<0.05 <0.02						<0.05 <0.02	mg/kg	TM4/PM8 TM4/PM8
PAH Surrogate % Recovery	114	103						<0.02	mg/kg %	TM4/PM8
1741 outlogate 70 recovery		100							,,	1101-771 1010
Methyl Tertiary Butyl Ether ***	<6	-						<6	ug/kg	TM15/PM10
Benzene **M	<5	-						<5	ug/kg	TM15/PM10
Toluene #M	9	-						<3	ug/kg	TM15/PM10
Ethylbenzene *M	<3	-						<3	ug/kg	TM15/PM10
p/m-Xylene #M	<4	-						<4	ug/kg	TM15/PM10
o-Xylene ^{#M}	<4	-						<4	ug/kg	TM15/PM10
Surrogate Recovery Toluene D8	114	-						<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	139	-						<0	%	TM15/PM10
		<u> </u>			<u> </u>	<u> </u>	<u> </u>	<u> </u>		

Client Name: Geotechnics Reference: PN153428

Reference: PN153428
Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report : Solid

JE JOD NO.:	15/1/326										
J E Sample No.	349-351	355									
Sample ID	WS218A	WS218A									
Depth	0.50	1.20									
-	0.50	1.20								e attached n ations and a	
COC No / misc									ass.011	3.10.10 G.10 G.	or or y r r o
Containers	VJ	V									
Sample Date	<>	<>									
Sample Type	Soil	Soil									
Batch Number	11	11									
									LOD/LOR	Units	Method No.
Date of Receipt	18/12/2015	18/12/2015									
TPH CWG											
Aliphatics											
>C5-C6 **M	<0.1	<0.1							<0.1	mg/kg	TM36/PM12
>C6-C8 #M	<0.1	<0.1							<0.1	mg/kg	TM36/PM12
>C8-C10	<0.1	<0.1							<0.1	mg/kg	TM36/PM12
>C10-C12 **M	<0.2	<0.2							<0.2	mg/kg	TM5/PM16 TM5/PM16
>C12-C16 #M >C16-C21 #M	<4 <7	<4 <7							<4 <7	mg/kg	TM5/PM16
>C16-C21 >C21-C35 #M	<7	<7							<7	mg/kg	TM5/PM16
>C21-C35 >C35-C44	<7	<7							<7	mg/kg mg/kg	TM5/PM16
Total aliphatics C5-44	<26	<26							<26	mg/kg	TM5/TM36/PM16
Aromatics	-20	120							-20	mgmg	THIS THIS GIT HITS
>C5-EC7	<0.1	<0.1							<0.1	mg/kg	TM36/PM12
>EC7-EC8	<0.1	<0.1							<0.1	mg/kg	TM36/PM12
>EC8-EC10**M	<0.1	<0.1							<0.1	mg/kg	TM36/PM12
>EC10-EC12	<0.2	<0.2							<0.2	mg/kg	TM5/PM16
>EC12-EC16	<4	<4							<4	mg/kg	TM5/PM16
>EC16-EC21	<7	<7							<7	mg/kg	TM5/PM16
>EC21-EC35	<7	<7							<7	mg/kg	TM5/PM16
>EC35-EC44	<7	<7							<7	mg/kg	TM5/PM16
Total aromatics C5-44	<26	<26							<26	mg/kg	TM5/TM36/PM16
Total aliphatics and aromatics(C5-44)	<52	<52							<52	mg/kg	TM5/TM36/PM16
MTBE#	-	<5							<5	ug/kg	TM31/PM12
Benzene #	-	<5							<5	ug/kg	TM31/PM12
Toluene #	-	<5							<5	ug/kg	TM31/PM12
Ethylbenzene #	-	<5							<5	ug/kg	TM31/PM12
m/p-Xylene #	-	<5							<5	ug/kg	TM31/PM12
o-Xylene #	-	<5							<5	ug/kg	TM31/PM12
PCB 28 #	<5	-							<5	ug/kg	TM17/PM8
PCB 52#	<5	-							<5	ug/kg	TM17/PM8
PCB 101 #	<5	-							<5	ug/kg	TM17/PM8
PCB 118#	<5	-							<5	ug/kg	TM17/PM8
PCB 138#	<5	-							<5	ug/kg	TM17/PM8
PCB 153 #	<5	-							<5	ug/kg	TM17/PM8
PCB 180 #	<5	-							<5	ug/kg	TM17/PM8
Total 7 PCBs#	<35	-							<35	ug/kg	TM17/PM8
2 Chlorophonol	-40	-40							-40		TM40/DM2
2-Chlorophenol	<10	<10							<10	ug/kg	TM16/PM8
Natural Moisture Content	1.3	13.2							<0.1	%	PM4/PM0
2-Methylphenol	<10	<10	 <u></u>	<u></u>	<u></u>	<u></u>	<u> </u>	<u> </u>	<10	ug/kg	TM16/PM8

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report : Solid

JE JOD NO.:	15/1/326		 	 	 	 	_		
J E Sample No.	349-351	355							
Sample ID	WS218A	WS218A							
Depth	0.50	1.20					D/		atas f "
COC No / misc								e attached no ations and ac	
Containers		V							
Sample Date		<>							
Sample Type	Soil	Soil							1
Batch Number	11	11					LOD/LOR	Units	Method
Date of Receipt	18/12/2015	18/12/2015							No.
2-Nitrophenol	<10	<10					<10	ug/kg	TM16/PM8
2,4-Dichlorophenol	<10	<10					<10	ug/kg	TM16/PM8
2,4-Dimethylphenol	<10	<10					<10	ug/kg	TM16/PM8
2,4,5-Trichlorophenol	<10	<10					<10	ug/kg	TM16/PM8
2,4,6-Trichlorophenol	<10	<10					<10	ug/kg	TM16/PM8
4-Chloro-3-methylphenol	<10 <10	<10 <10					<10 <10	ug/kg	TM16/PM8 TM16/PM8
4-Methylphenol 4-Nitrophenol	<10	<10					<10	ug/kg ug/kg	TM16/PM8
Pentachlorophenol	<10	<10					<10	ug/kg ug/kg	TM16/PM8
Phenol	<10	<10					<10	ug/kg	TM16/PM8
Total Speciated Phenols MS	<10	<10					<10	ug/kg	TM16/PM8
								0 0	
Hexavalent Chromium #	<0.3	<0.3					<0.3	mg/kg	TM38/PM20
Chromium III	17.6	55.9					<0.5	mg/kg	NONE/NONE
Total Cyanide #M	<0.5	<0.5					<0.5	mg/kg	TM89/PM45
Total Organic Carbon #	<0.02	0.24					<0.02	%	TM21/PM24
pH #M	12.46	9.54					<0.01	pH units	TM73/PM11
Sample Type	Sand	Sand					40.01	None	PM13/PM0
Sample Colour	Light Brown	Medium Brown						None	PM13/PM0
Other Items	stones	stones						None	PM13/PM0

Client Name: Geotechnics

Reference: PN153428
Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

SVOC Report : Solid

JE Job No.:	15/17326								
J E Sample No.	349-351								
Sample ID	WS218A								
Depth	0.50							e attached n	
COC No / misc							abbrevia	ations and a	cronyms
Containers	VJ								
Sample Date	<>								
Sample Type	Soil								
Batch Number	11						LOD/LOR	Units	Method
Date of Receipt	18/12/2015								No.
SVOC MS									
Phenols 2-Chlorophenol #M	<10						-10		TM16/PM8
2-Chlorophenol	<10						<10 <10	ug/kg ug/kg	TM16/PM8
2-Nitrophenol	<10						<10	ug/kg ug/kg	TM16/PM8
2,4-Dichlorophenol **M	<10						<10	ug/kg	TM16/PM8
2,4-Dimethylphenol	<10						<10	ug/kg	TM16/PM8
2,4,5-Trichlorophenol	<10						<10	ug/kg	TM16/PM8
2,4,6-Trichlorophenol	<10						<10	ug/kg	TM16/PM8
4-Chloro-3-methylphenol	<10						<10	ug/kg	TM16/PM8
4-Methylphenol	<10						<10	ug/kg	TM16/PM8
4-Nitrophenol	<10						<10	ug/kg	TM16/PM8
Pentachlorophenol	<10						<10	ug/kg	TM16/PM8
Phenol #M	<10						<10	ug/kg	TM16/PM8
PAHs									
2-Chloronaphthalene #M	<10						<10	ug/kg	TM16/PM8
2-Methylnaphthalene #M Phthalates	<10						<10	ug/kg	TM16/PM8
Bis(2-ethylhexyl) phthalate	<100						<100	ug/kg	TM16/PM8
Butylbenzyl phthalate	<100						<100	ug/kg	TM16/PM8
Di-n-butyl phthalate	<100						<100	ug/kg	TM16/PM8
Di-n-Octyl phthalate	<100						<100	ug/kg	TM16/PM8
Diethyl phthalate	<100						<100	ug/kg	TM16/PM8
Dimethyl phthalate #M	<100						<100	ug/kg	TM16/PM8
Other SVOCs 1,2-Dichlorobenzene	<10						<10	ug/kg	TM16/PM8
1,2,4-Trichlorobenzene **M	<10						<10	ug/kg	TM16/PM8
1,3-Dichlorobenzene	<10						<10	ug/kg	TM16/PM8
1,4-Dichlorobenzene	<10						<10	ug/kg	TM16/PM8
2-Nitroaniline	<10						<10	ug/kg	TM16/PM8
2,4-Dinitrotoluene	<10						<10	ug/kg	TM16/PM8
2,6-Dinitrotoluene	<10						<10	ug/kg	TM16/PM8
3-Nitroaniline	<10						<10	ug/kg	TM16/PM8
4-Bromophenylphenylether **M	<10						<10	ug/kg	TM16/PM8
4-Chloroaniline	<10						<10	ug/kg	TM16/PM8
4-Chlorophenylphenylether	<10						<10	ug/kg	TM16/PM8
4-Nitroaniline	<10						<10	ug/kg	TM16/PM8
Azobenzene Bis(2-chloroethoxy)methane	<10 <10						<10 <10	ug/kg ug/kg	TM16/PM8 TM16/PM8
Bis(2-chloroethyl)ether	<10						<10	ug/kg ug/kg	TM16/PM8
Carbazole	13						<10	ug/kg ug/kg	TM16/PM8
Dibenzofuran #M	<10						<10	ug/kg	TM16/PM8
Hexachlorobenzene	<10						<10	ug/kg	TM16/PM8
Hexachlorobutadiene #M	<10						<10	ug/kg	TM16/PM8
Hexachlorocyclopentadiene	<10						<10	ug/kg	TM16/PM8
Hexachloroethane	<10						<10	ug/kg	TM16/PM8
Isophorone #M	<10						<10	ug/kg	TM16/PM8
N-nitrosodi-n-propylamine #M	<10						<10	ug/kg	TM16/PM8
Nitrobenzene #M	<10						<10	ug/kg	TM16/PM8
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Client Name: Geotechnics

Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

VOC Report : Solid

JE Job No.:	15/17326									
J E Sample No.	349-351									
Sample ID	WS218A									
Depth	0.50							Please se	e attached n	otes for all
COC No / misc									ations and a	
Containers	VJ									
Sample Date	<>									
Sample Type	Soil									
Batch Number Date of Receipt	11 18/12/2015							LOD/LOR	Units	Method No.
VOC MS	10/12/2010									
Dichlorodifluoromethane	<2							<2	ug/kg	TM15/PM10
Methyl Tertiary Butyl Ether ***	<6							<6	ug/kg	TM15/PM10
Chloromethane #	<3							<3	ug/kg	TM15/PM10
Vinyl Chloride	<2							<2	ug/kg	TM15/PM10
Bromomethane Chloroethane #M	<1 <6							<1 <6	ug/kg ug/kg	TM15/PM10
Trichlorofluoromethane #M	<3							<3	ug/kg	TM15/PM10
1,1-Dichloroethene (1,1 DCE) **M	<6							<6	ug/kg	TM15/PM10
Dichloromethane (DCM)#	<7							<7	ug/kg	TM15/PM10
trans-1-2-Dichloroethene #	<3							<3	ug/kg	TM15/PM10
1,1-Dichloroethane #M	<6							<6	ug/kg	TM15/PM10
cis-1-2-Dichloroethene #M 2,2-Dichloropropane	<7 <4							<7 <4	ug/kg ug/kg	TM15/PM10
Bromochloromethane #M	<4							<4	ug/kg ug/kg	TM15/PM10
Chloroform **M	<5							<5	ug/kg	TM15/PM10
1,1,1-Trichloroethane #M	<5							<5	ug/kg	TM15/PM10
1,1-Dichloropropene #	<3							<3	ug/kg	TM15/PM10
Carbon tetrachloride #M	<4							<4	ug/kg	TM15/PM10
1,2-Dichloroethane *** Benzene ***	<5							<5 -5	ug/kg	TM15/PM10
Trichloroethene (TCE) #M	<5 <5							<5 <5	ug/kg ug/kg	TM15/PM10
1,2-Dichloropropane **M	<4							<4	ug/kg	TM15/PM10
Dibromomethane #M	<4							<4	ug/kg	TM15/PM10
Bromodichloromethane #M	<4							<4	ug/kg	TM15/PM10
cis-1-3-Dichloropropene	<4							<4	ug/kg	TM15/PM10
Toluene #M	9							<3	ug/kg	TM15/PM10
trans-1-3-Dichloropropene 1,1,2-Trichloroethane #M	<3 <4							<3 <4	ug/kg ug/kg	TM15/PM10
Tetrachloroethene (PCE)#	<3							<3	ug/kg ug/kg	TM15/PM10
1,3-Dichloropropane **M	<4							<4	ug/kg	TM15/PM10
Dibromochloromethane #M	<5							<5	ug/kg	TM15/PM10
1,2-Dibromoethane #	<3							<3	ug/kg	TM15/PM10
Chlorobenzene #M	<4							<4	ug/kg	TM15/PM10
1,1,1,2-Tetrachloroethane #M	<5							<5	ug/kg	TM15/PM10
Ethylbenzene ^{#M} p/m-Xylene ^{#M}	<3 <4							<3 <4	ug/kg ug/kg	TM15/PM10
o-Xylene #M	<4							<4	ug/kg ug/kg	TM15/PM10
Styrene	<3							<3	ug/kg	TM15/PM10
Bromoform	<4							<4	ug/kg	TM15/PM10
Isopropylbenzene #	<3							<3	ug/kg	TM15/PM10
1,1,2,2-Tetrachloroethane #M	<3							<3	ug/kg	TM15/PM10
Bromobenzene	<2							<2	ug/kg	TM15/PM10
1,2,3-Trichloropropane *** Propylbenzene *	<4 <4							<4 <4	ug/kg ug/kg	TM15/PM10
2-Chlorotoluene	<3							<3	ug/kg ug/kg	TM15/PM10
1,3,5-Trimethylbenzene #	<3							<3	ug/kg	TM15/PM10
4-Chlorotoluene	<3							<3	ug/kg	TM15/PM10
tert-Butylbenzene#	<5							<5	ug/kg	TM15/PM10
1,2,4-Trimethylbenzene #	<6							<6	ug/kg	TM15/PM10
sec-Butylbenzene#	<4							<4	ug/kg	TM15/PM10
4-Isopropyltoluene # 1,3-Dichlorobenzene #M	<4 <4							<4 <4	ug/kg ug/kg	TM15/PM10
1,4-Dichlorobenzene #	<4							<4	ug/kg ug/kg	TM15/PM10
n-Butylbenzene#	<4							<4	ug/kg	TM15/PM10
1,2-Dichlorobenzene #M	<4							<4	ug/kg	TM15/PM10
1,2-Dibromo-3-chloropropane #	<4							<4	ug/kg	TM15/PM10
1,2,4-Trichlorobenzene #	<7							<7	ug/kg	TM15/PM10
Hexachlorobutadiene	<4 <27							<4	ug/kg	TM15/PM10
Naphthalene 1,2,3-Trichlorobenzene *	<2 <i>/</i>							<27 <7	ug/kg ug/kg	TM15/PM10
Surrogate Recovery Toluene D8	114							<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	139	1	l		l	l		<0	%	TM15/PM10

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

Note:

Analysis was carried out in accordance with our documented in-house methods PM042 and TM065 and HSG 248 by Stereo and Polarised Light Microscopy using Dispersion Staining Techniques and is covered by our UKAS accreditation. Samples are retained for not less than 6 months from the date of analysis unless specifically requested.

Opinions lie outside the scope of our UKAS accreditation.

Where the sample is not taken by a Jones Environmental Laboratory consultant, Jones Environmental Laboratory cannot be responsible for inaccurate or unrepresentative sampling.

Any questionable sample will automatically be assumed to have breached the Waste Limit and further testing may be required.

Signed on behalf of Jones Environmental Laboratory:

Asbestos Team Leader

J E Job No.	Batch	Sample ID	Depth	J E Sample No.	Date Of Analysis	Analysis	Result
15/17326	11	WS218A	0.50	350	24/12/2015	Mass of Dry Sample	56.2 (g)
					24/12/2015	General Description (Bulk Analysis)	Stones/Soil
						Asbestos Containing Material	None
						Asbestos Containing Material (2)	None
						Asbestos Screen	NAD
					24/12/2015	Asbestos Screen (2)	NAD
					24/12/2015	Asbestos Level	NAD
					24/12/2015	Waste Limit	<0.1%

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

JE Job No.: 15/17326

SOILS

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCI (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 (UKAS) accreditation applies to surface water and groundwater and one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

DEVIATING SAMPLES

Samples must be received in a condition appropriate to the requested analyses. All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. If this is not the case you will be informed and any test results that may be compromised highlighted on your deviating samples report.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

DILUTIONS

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

NOTE

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a UKAS requirement for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.

Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

ABBREVIATIONS and ACRONYMS USED

#	ISO17025 (UKAS) accredited - UK.
В	Indicates analyte found in associated method blank.
DR	Dilution required.
M	MCERTS accredited.
NA	Not applicable
NAD	No Asbestos Detected.
ND	None Detected (usually refers to VOC and/SVOC TICs).
NDP	No Determination Possible
SS	Calibrated against a single substance
SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
++	Result outside calibration range, results should be considered as indicative only and are not accredited.
*	Analysis subcontracted to a Jones Environmental approved laboratory.
AD	Samples are dried at 35°C ±5°C
СО	Suspected carry over
LOD/LOR	Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS
ME	Matrix Effect
NFD	No Fibres Detected
BS	AQC Sample
LB	Blank Sample
N	Client Sample
TB	Trip Blank Sample
OC	Outside Calibration Range

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465 and BS1377.	PM0	No preparation is required.				
PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465 and BS1377.	PM0	No preparation is required.			AR	Yes
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes	Yes	AR	Yes
TM5	Modified USEPA 8015B method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) with carbon banding within the range C8-C40 GC-FID.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	Yes
TM5	Modified USEPA 8015B method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) with carbon banding within the range C8-C40 GC-FID.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.	Yes	Yes	AR	Yes
TM5/TM36	TM005: Modified USEPA 8015B. Determination of solvent Extractable Petroleum Hydrocarbons (EPH) including column fractionation in the carbon range of C10-35 into aliphatic and aromatic fractions by GC-FID. TM036: Modified USEPA 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C5-10 by headspace GC-FID.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	Yes
PM13	A visual examination of the solid sample is carried out to ascertain sample make up, colour and any other inclusions. This is not a geotechnical description.	PM0	No preparation is required.			AR	
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes		AR	Yes
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes	Yes	AR	Yes
TM16	Modified USEPA 8270. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes
TM16	Modified USEPA 8270. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes	Yes	AR	Yes
TM17	Modified US EPA method 8270. Determination of specific Polychlorinated Biphenyl congeners by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM21	Modified USEPA 415.1. Determination of Total Organic Carbon or Total Carbon by combustion in an Eltra TOC furnace/analyser in the presence of oxygen. The CO2 generated is quantified using infra-red detection.	PM24	Dried and ground solid samples are washed with hydrochloric acid, then rinsed with deionised water to remove the mineral carbon before TOC analysis.	Yes		AD	Yes
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.			AD	Yes
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.	Yes	Yes	AD	Yes
TM31	Modified USEPA 8015B. Determination of Methyltertbutylether, Benzene, Toluene, Ethylbenzene and Xylene by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM31	Modified USEPA 8015B. Determination of Methyltertbutylether, Benzene, Toluene, Ethylbenzene and Xylene by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes		AR	Yes

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM36	Modified US EPA method 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM36	Modified US EPA method 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes	Yes	AR	Yes
TM38	Soluble Ion analysis using the Thermo Aquakem Photometric Automatic Analyser. Modified US EPA methods 325.2, 375.4, 365.2, 353.1, 354.1	PM20	Extraction of dried and ground samples with deionised water in a 2:1 water to solid ratio for anions. Extraction of as received samples with deionised water in a 2:1 water to solid ratio for ammoniacal nitrogen. Samples are extracted using an orbital shaker.	Yes		AR	Yes
TM65	Asbestos Bulk Identification method based on HSG 248.	PM42	Solid samples undergo a thorough visual inspection for asbestos fibres prior to asbestos identification using TM065.			AR	
TM65	Asbestos Bulk Identification method based on HSG 248.	PM42	Solid samples undergo a thorough visual inspection for asbestos fibres prior to asbestos identification using TM065.	Yes		AR	
TM73	Modified US EPA methods 150.1 and 9045D. Determination of pH by Metrohm automated probe analyser.	PM11	Extraction of as received solid samples using one part solid to 2.5 parts deionised water.	Yes	Yes	AR	No
TM74	Analysis of water soluble boron (20:1 extract) by ICP-OES.	PM32	Hot water soluble boron is extracted from dried and ground samples using a 20:1 ratio.	Yes	Yes	AD	Yes
TM89	Modified USEPA method OIA-1667. Determination of cyanide by Flow Injection Analyser.	PM45	As received solid samples are extracted with 1M NaOH by orbital shaker for Cyanide and Thiocyanate analysis.	Yes	Yes	AR	Yes
NONE	No Method Code	NONE	No Method Code			AR	Yes



Registered Address: Unit 3 Deeside Point, Zone 3, Deeside Industrial Park, Deeside, CH5 2UA. UK

Unit 3 Deeside Point

Zone 3

Deeside Industrial Park

Deeside CH5 2UA

Geotechnics
Unit 1B
Borders Industrial Park
River Lane
Chester
Cheshire
CH4 8RJ

Tel: +44 (0) 1244 833780 Fax: +44 (0) 1244 833781







Attention:

Date: 8th January, 2016

Your reference : PN153428

Our reference : Test Report 15/17326 Batch 12

Location : Stockport Bus Station

Date samples received: 4th January, 2016

Status: Final report

Issue:

One sample were received for analysis on 4th January, 2016 of which one were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.

All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Compiled By:

Client Name: Geotechnics
Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report : Solid

	10/1/020							li .		
J E Sample No.	356									
Sample ID	WS223									
Depth	2.00							Please se	e attached n	otes for all
COC No / misc									ations and a	
Containers	Т									
Sample Date	<>									
Sample Type	Soil									
Batch Number	12							LOD/LOR	Units	Method
Date of Receipt	04/01/2016							LOBILOR	Office	No.
Arsenic **M	14.6							<0.5	mg/kg	TM30/PM15
Chromium #M	35.2							<0.5	mg/kg	TM30/PM15
Copper **M	150							<1	mg/kg	TM30/PM15
Lead #M	272							<5	mg/kg	TM30/PM15
Mercury *M	0.4							<0.1	mg/kg	TM30/PM15
Nickel #M	22.6							<0.7	mg/kg	TM30/PM15
Selenium **M	<1							<1	mg/kg	TM30/PM15
Vanadium	23							<1	mg/kg	TM30/PM15
Water Soluble Boron ***	0.9							<0.1	mg/kg	TM74/PM32
Zinc **M	103							<5		TM30/PM15
ZIIIC	103							7	mg/kg	TIMISON INTIS
PAH MS										
	~0.04							~0.04	malka	TM4/PM8
Naphthalene #M	<0.04							<0.04	mg/kg	
Acenaphthylene	<0.03							<0.03	mg/kg	TM4/PM8
Acenaphthene #M	<0.05							<0.05	mg/kg	TM4/PM8
Fluorene #M	<0.04							<0.04	mg/kg	TM4/PM8
Phenanthrene #M	<0.03							<0.03	mg/kg	TM4/PM8
Anthracene #	<0.04							<0.04	mg/kg	TM4/PM8
Fluoranthene #M	<0.03							<0.03	mg/kg	TM4/PM8
Pyrene #	<0.03							<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene #	<0.06							<0.06	mg/kg	TM4/PM8
Chrysene #M	<0.02							<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene #M	<0.07							<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene #	<0.04							<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene #M	<0.04							<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene #	<0.04							<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene #	<0.04							<0.04	mg/kg	TM4/PM8
PAH 16 Total	<0.6							<0.6	mg/kg	TM4/PM8
Benzo(b)fluoranthene	<0.05							<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	<0.02							<0.02	mg/kg	TM4/PM8
PAH Surrogate % Recovery	104							<0	%	TM4/PM8
TPH CWG										
Aliphatics										
>C5-C6 #M	<0.1							<0.1	mg/kg	TM36/PM12
>C6-C8 **M	<0.1							<0.1	mg/kg	TM36/PM12
>C8-C10	<0.1							<0.1		TM36/PM12
>C8-C10 >C10-C12 **M									mg/kg	TM5/PM16
	<0.2							<0.2	mg/kg	
>C12-C16 #M	<4							<4	mg/kg	TM5/PM16
>C16-C21 **M	<7							<7	mg/kg	TM5/PM16
>C21-C35 **M	<7							<7	mg/kg	TM5/PM16
>C35-C44	<7							<7	mg/kg	TM5/PM16
Total aliphatics C5-44	<26	l	l	1	I	l	1	<26	mg/kg	TM5/TM36/PM16

Client Name: Geotechnics
Reference: PN153428

Reference: PN153428
Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report : Solid

JE Job No.:	15/17326					_		
J E Sample No.	356							
Sample ID	WS223							
Depth	2.00							
COC No / misc	2.00						e attached nations and a	
Containers	-							
	Т							
Sample Date	<>							
Sample Type	Soil							
Batch Number	12					LOD#LOD	Lluita	Method
Date of Receipt	04/01/2016					LOD/LOR	Units	No.
TPH CWG								
Aromatics								
>C5-EC7	<0.1					<0.1	mg/kg	TM36/PM12
>EC7-EC8	<0.1					<0.1	mg/kg	TM36/PM12
>EC8-EC10 **M	<0.1					<0.1	mg/kg	TM36/PM12
>EC10-EC12	<0.2					<0.2	mg/kg	TM5/PM16
>EC12-EC16	<4					<4	mg/kg	TM5/PM16
>EC16-EC21	<7					<7	mg/kg	TM5/PM16
>EC21-EC35	<7					<7	mg/kg	TM5/PM16
>EC35-EC44	<7					<7	mg/kg	TM5/PM16
Total aromatics C5-44	<26					<26	mg/kg	TM5/TM36/PM16
Total aliphatics and aromatics(C5-44)	<52					<52	mg/kg	TM5/TM36/PM16
MTBE#	<5					<5	ug/kg	TM31/PM12
Benzene#	<5					<5	ug/kg	TM31/PM12
Toluene #	<5					<5	ug/kg	TM31/PM12
Ethylbenzene #	<5					<5	ug/kg	TM31/PM12
m/p-Xylene #	<5					<5	ug/kg	TM31/PM12
o-Xylene #	<5					<5	ug/kg	TM31/PM12
2-Chlorophenol	<10					<10	ug/kg	TM16/PM8
Natural Moisture Content	14.5					<0.1	%	PM4/PM0
2-Methylphenol	<10					<10	ug/kg	TM16/PM8
2-Nitrophenol	<10					<10	ug/kg	TM16/PM8
2,4-Dichlorophenol	<10					<10	ug/kg	TM16/PM8
2,4-Dimethylphenol	<10					<10	ug/kg	TM16/PM8
2,4,5-Trichlorophenol	<10					<10	ug/kg	TM16/PM8
2,4,6-Trichlorophenol	<10					<10	ug/kg	TM16/PM8
4-Chloro-3-methylphenol	<10					<10	ug/kg	TM16/PM8
4-Methylphenol	<10					<10	ug/kg	TM16/PM8
4-Nitrophenol	<10					<10	ug/kg	TM16/PM8
Pentachlorophenol	<10					<10	ug/kg	TM16/PM8
Phenol	<10					<10	ug/kg	TM16/PM8
Total Speciated Phenols MS	<10					<10	ug/kg	TM16/PM8
	2.5					2.5		T1 100 T
Hexavalent Chromium #	<0.3					<0.3	mg/kg	TM38/PM20
Chromium III	35.2					<0.5	mg/kg	NONE/NONE
Total Cyanide #M	<0.5					<0.5	mg/kg	TM89/PM45
rotal Cyaniue	-0.0					-0.0	mg/ng	. 14100/1 14140
Total Organic Carbon #	4.96					<0.02	%	TM21/PM24
							*-	

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

JE Job No.: 15/17326

Report : Solid

JE Job No.:	15/17326		 		 	 		_		
J E Sample No.	356									
Sample ID	WS223									
Depth	2.00							Please se	e attached n	ntes for all
COC No / misc								abbrevi	ations and ad	cronyms
Containers	Т									
Sample Date	<>									
Sample Type	Soil									
Batch Number	12									Method
Date of Receipt	04/01/2016							LOD/LOR	Units	No.
pH **	8.15							<0.01	pH units	TM73/PM11
Sample Type	Clayey Loam								None	PM13/PM0
Sample Colour	Dark Brown								None	PM13/PM0
Other Items	roots, grass, stones								None	PM13/PM0
	[<u> </u>		<u> </u>			<u> </u>	<u> </u>		l .

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

JE Job No.: 15/17326

SOILS

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCI (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 (UKAS) accreditation applies to surface water and groundwater and one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

DEVIATING SAMPLES

Samples must be received in a condition appropriate to the requested analyses. All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. If this is not the case you will be informed and any test results that may be compromised highlighted on your deviating samples report.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

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ME	Matrix Effect
NFD	No Fibres Detected
BS	AQC Sample
LB	Blank Sample
N	Client Sample
TB	Trip Blank Sample
ОС	Outside Calibration Range

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
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TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes
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TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes	Yes	AR	Yes
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TM5	Modified USEPA 8015B method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) with carbon banding within the range C8-C40 GC-FID.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.	Yes	Yes	AR	Yes
TM5/TM36	TM005: Modified USEPA 8015B. Determination of solvent Extractable Petroleum Hydrocarbons (EPH) including column fractionation in the carbon range of C10-35 into aliphatic and aromatic fractions by GC-FID. TM036: Modified USEPA 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C5-10 by headspace GC-FID.	PM16	Fractionation into aliphatic and aromatic fractions using a Rapid Trace SPE.			AR	Yes
PM13	A visual examination of the solid sample is carried out to ascertain sample make up, colour and any other inclusions. This is not a geotechnical description.	PM0	No preparation is required.			AR	
TM16	Modified USEPA 8270. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes
TM21	Modified USEPA 415.1. Determination of Total Organic Carbon or Total Carbon by combustion in an Eltra TOC furnace/analyser in the presence of oxygen. The CO2 generated is quantified using infra-red detection.	PM24	Dried and ground solid samples are washed with hydrochloric acid, then rinsed with deionised water to remove the mineral carbon before TOC analysis.	Yes		AD	Yes

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.			AD	Yes
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.	Yes	Yes	AD	Yes
TM31	Modified USEPA 8015B. Determination of Methyltertbutylether, Benzene, Toluene, Ethylbenzene and Xylene by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM31	Modified USEPA 8015B. Determination of Methyltertbutylether, Benzene, Toluene, Ethylbenzene and Xylene by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes		AR	Yes
TM36	Modified US EPA method 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.			AR	Yes
TM36	Modified US EPA method 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes	Yes	AR	Yes
TM38	Soluble Ion analysis using the Thermo Aquakem Photometric Automatic Analyser. Modified US EPA methods 325.2, 375.4, 365.2, 353.1, 354.1	PM20	Extraction of dried and ground samples with deionised water in a 2:1 water to solid ratio for anions. Extraction of as received samples with deionised water in a 2:1 water to solid ratio for ammoniacal nitrogen. Samples are extracted using an orbital shaker.	Yes		AR	Yes
TM73	Modified US EPA methods 150.1 and 9045D. Determination of pH by Metrohm automated probe analyser.	PM11	Extraction of as received solid samples using one part solid to 2.5 parts deionised water.	Yes	Yes	AR	No
TM74	Analysis of water soluble boron (20:1 extract) by ICP-OES.	PM32	Hot water soluble boron is extracted from dried and ground samples using a 20:1 ratio.	Yes	Yes	AD	Yes
TM89	Modified USEPA method OIA-1667. Determination of cyanide by Flow Injection Analyser.	PM45	As received solid samples are extracted with 1M NaOH by orbital shaker for Cyanide and Thiocyanate analysis.	Yes	Yes	AR	Yes

Jones Environmental Laboratory

Method Code Appendix

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
NONE	No Method Code	NONE	No Method Code			AR	Yes



Registered Address: Unit 3 Deeside Point, Zone 3, Deeside Industrial Park, Deeside, CH5 2UA. UK

Unit 3 Deeside Point

Zone 3

Deeside Industrial Park

Deeside CH5 2UA

Geotechnics
Unit 1B
Borders Industrial Park
River Lane
Chester
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CH4 8RJ

Tel: +44 (0) 1244 833780 Fax: +44 (0) 1244 833781





Attention:

Date: 5th February, 2016

Your reference : PN153428

Our reference: Test Report 16/3162 Batch 3

Location : Stockport Bus Station

Date samples received : 26th January, 2016

Status: Final report

Issue:

Eight samples were received for analysis on 26th January, 2016 of which eight were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.

All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Compiled By:

Geotechnics Client Name: PN153428 Reference:

Stockport Bus Station Location:

Contact:

JE Job No.: 16/3162 Report : Liquid

Liquids/products: V=40ml vial, G=glass bottle, P=plastic bottle

H=H₂SO₄, Z=ZnAc, N=NaOH, HN=HNO₃

JE JOD NO.:	16/3162						11 112004,	210.00, 11	NaOH, HN=HNU	3			
J E Sample No.	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75					
Sample ID	BH101	BH102	BH103	BH105	BH106	BH108	BH109	BH112					
Depth													
COC No / misc												attached no ions and ac	
	VDC												
Containers	VPG												
Sample Date													
Sample Type	Ground Water												
Batch Number	3	3	3	3	3	3	3	3		LOD/L	OR	Units	Method
Date of Receipt	26/01/2016	26/01/2016	26/01/2016	26/01/2016	26/01/2016	26/01/2016	26/01/2016	26/01/2016		203/2		011110	No.
Dissolved Arsenic#	<2.5	3.2	3.0	4.1	<2.5	3.2	<2.5	<2.5		<2.	5	ug/l	TM30/PM14
Dissolved Boron	73	57	146	61	62	16	19	40		<12	2	ug/l	TM30/PM14
Dissolved Cadmium #	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.	5	ug/l	TM30/PM14
Total Dissolved Chromium#	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5		<1.		ug/l	TM30/PM14
Dissolved Copper#	<7	<7	<7	<7	<7	<7	<7	<7		<7		ug/l	TM30/PM14
Dissolved Lead #	<5	<5	<5	<5	<5	<5	<5	<5		<5		ug/l	TM30/PM14
Dissolved Mercury#	<1	<1	<1	<1	<1	<1	<1	<1		<1		ug/l	TM30/PM14
Dissolved Nickel #	8	<2	8	6	<2	<2	4	<2		<2		ug/l	TM30/PM14
Dissolved Selenium#	<3	14	<3	<3	<3	<3	<3	<3		<3		ug/l	TM30/PM14 TM30/PM14
Dissolved Vanadium * Dissolved Zinc *	1.8 5	<1.5 15	<1.5 <3	<1.5 <3	<1.5 <3	<1.5 <3	<1.5 <3	<1.5 <3		<1.		ug/l ug/l	TM30/PM14
Dissolved Zinc	3	13	75	73		73		75				ug/i	TWISO/FWIT4
PAH MS													
Naphthalene #	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1		<0.	1	ug/l	TM4/PM30
Acenaphthylene #	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013		<0.0	13	ug/l	TM4/PM30
Acenaphthene #	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013		<0.0	13	ug/l	TM4/PM30
Fluorene#	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014		<0.0	14	ug/l	TM4/PM30
Phenanthrene #	0.020	0.020	<0.011	<0.011	<0.011	<0.011	0.020	<0.011		<0.0	11	ug/l	TM4/PM30
Anthracene #	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013		<0.0	13	ug/l	TM4/PM30
Fluoranthene #	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012		<0.0	12	ug/l	TM4/PM30
Pyrene #	<0.013	0.040	<0.013	<0.013	<0.013	<0.013	0.040	<0.013		<0.0	13	ug/l	TM4/PM30
Benzo(a)anthracene#	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015		<0.0		ug/l	TM4/PM30
Chrysene #	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011		<0.0		ug/l	TM4/PM30
Benzo(bk)fluoranthene #	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018		<0.0		ug/l	TM4/PM30
Benzo(a)pyrene #	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016		<0.0		ug/l	TM4/PM30
Indeno(123cd)pyrene#	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011		<0.0		ug/l	TM4/PM30
Dibenzo(ah)anthracene *	<0.01 <0.011	<0.01 <0.011	<0.01 <0.011	<0.01 <0.011	<0.01 <0.011	<0.01 <0.011	<0.01 <0.011	<0.01 <0.011		<0.0 <0.0		ug/l ug/l	TM4/PM30 TM4/PM30
Benzo(ghi)perylene * PAH 16 Total *	<0.195	<0.195	<0.195	<0.195	<0.195	<0.195	<0.195	<0.195		<0.1		ug/l	TM4/PM30
Benzo(b)fluoranthene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.0		ug/l	TM4/PM30
Benzo(k)fluoranthene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.0		ug/l	TM4/PM30
PAH Surrogate % Recovery	86	85	90	90	89	86	83	88		<0		%	TM4/PM30
Methyl Tertiary Butyl Ether #	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.	1	ug/l	TM15/PM10
Benzene#	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.		ug/l	TM15/PM10
Toluene #	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.2	<0.5		<0.		ug/l	TM15/PM10
Ethylbenzene#	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.		ug/l	TM15/PM10
p/m-Xylene#	<1	<1	<1	<1	<1	<1	<1	<1		<1		ug/l	TM15/PM10
o-Xylene#	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.		ug/l	TM15/PM10
Surrogate Recovery Toluene D8 Surrogate Recovery 4-Bromofluorobenzene	97 114	96 114	97 115	97 115	96 115	97 113	95 111	98 101		<0		%	TM15/PM10 TM15/PM10
Gurrogate recovery 4-bromonuoropenzene	114	114	110	110	110	113	111	101		<0		/0	TIVITO/PIVITO
		l			<u> </u>		l	<u> </u>					

Geotechnics Client Name: PN153428 Reference:

Stockport Bus Station Location:

Contact:

JE Job No.:

16/3162

Report : Liquid

Liquids/products: V=40ml vial, G=glass bottle, P=plastic bottle

H=H₂SO₄, Z=ZnAc, N=NaOH, HN=HNO₃

										_		
J E Sample No.	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75				
Sample ID	BH101	BH102	BH103	BH105	BH106	BH108	BH109	BH112				
Depth										Please se	e attached r	notes for all
COC No / misc											ations and a	
Containers	VPG											
Sample Date							25/01/2016					
Sample Type	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water			1	T
Batch Number	3	3	3	3	3	3	3	3		LOD/LOR	Units	Method
Date of Receipt	26/01/2016	26/01/2016	26/01/2016	26/01/2016	26/01/2016	26/01/2016	26/01/2016	26/01/2016		200,2011	0	No.
TPH CWG												
Aliphatics												
>C5-C6#	<5	<5	<5	<5	<5	<5	<5	<5		<5	ug/l	TM36/PM12
>C6-C8#	<5	<5	<5	<5	<5	<5	<5	<5		<5	ug/l	TM36/PM12
>C8-C10#	<5	<5	<5	<5	<5	<5	<5	<5		<5	ug/l	TM36/PM12
>C10-C12#	<5	<5	<5	<5	<5	<5	9	<5		<5	ug/l	TM5/PM30
>C12-C16#	<10	<10	<10	<10	<10	<10	1280	<10		<10	ug/l	TM5/PM30
>C16-C21#	<10	<10	<10	<10	<10	<10	10	<10		<10	ug/l	TM5/PM30
>C21-C35#	<10	<10	<10	<10	<10	<10	<10	<10		<10	ug/l	TM5/PM30
Total aliphatics C5-35 #	<10	<10	<10	<10	<10	<10	1299	<10		<10	ug/l	TM5/TM36/PM30
Aromatics	<5	<5	<5	<5	<5	<5	<5	<5		<5	uall	TM36/PM12
>C5-EC7* >EC7-EC8*	<5 <5		<5 <5	ug/l ug/l	TM36/PM12							
>EC8-EC10#	<5	<5 <5	<5	<5	<5	<5	<5	<5		<5	ug/l	TM36/PM12
>EC10-EC12#	<5	<5	<5	<5	<5	<5	<5	<5 <5		<5	ug/l	TM5/PM30
>EC12-EC16#	<10	<10	<10	<10	<10	<10	80	<10		<10	ug/l	TM5/PM30
>EC16-EC21#	<10	<10	<10	<10	<10	<10	<10	<10		<10	ug/l	TM5/PM30
>EC21-EC35#	<10	<10	<10	<10	<10	<10	<10	<10		<10	ug/l	TM5/PM30
Total aromatics C5-35 #	<10	<10	<10	<10	<10	<10	80	<10		<10	ug/l	TM5/PM30
Total aliphatics and aromatics(C5-35)#	<10	<10	<10	<10	<10	<10	1379	<10		<10	ug/l	TM5/TM36/PM30
PCB 28	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	ug/l	TM17/PM30
PCB 52	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	ug/l	TM17/PM30
PCB 101	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	ug/l	TM17/PM30
PCB 118	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	ug/l	TM17/PM30
PCB 138	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	ug/l	TM17/PM30
PCB 153	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	ug/l	TM17/PM30
PCB 180	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	ug/l	TM17/PM30
Total 7 PCBs	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7		<0.7	ug/l	TM17/PM30
Pasarcinal	<0 €	<0 F	<0 F	<0.5	-0 F	<0.5	-0 E	<0.5		-0 E	ua#	TM26/PM0
Resorcinol Catechol	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5		<0.5 <0.5	ug/l ug/l	TM26/PM0
Phenol	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	ug/l	TM26/PM0
m/p-cresol	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	ug/l	TM26/PM0
o-cresol	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	ug/l	TM26/PM0
Total cresols	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	ug/l	TM26/PM0
Xylenols	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	ug/l	TM26/PM0
1-naphthol	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	ug/l	TM26/PM0
2,3,5-trimethyl phenol	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	ug/l	TM26/PM0
2-isopropylphenol	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	ug/l	TM26/PM0
Total Speciated Phenols HPLC	<5	<5	<5	<5	<5	<5	<5	<5		<5	ug/l	TM26/PM0
Sulphate #	92.76	71.35	169.71	62.72	38.55	25.69	31.61	33.03		<0.05	mg/l	TM38/PM0
Nitrate as NO3 #	4.9	2.5	1.9	7.4	10.7	0.8	0.6	1.7		<0.2	mg/l	TM38/PM0

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

Otockport Bus Otal

JE Job No.: 16/3162

Report : Liquid

Liquids/products: V=40ml vial, G=glass bottle, P=plastic bottle

H=H₂SO₄, Z=ZnAc, N=NaOH, HN=HNO₃

JE JOB NO.:	16/3/162						H-H ₂ 3O ₄ , A	Z-ZHAC, IN-	NaOH, HN=	·ΠΙ Ν Ο ₃	_		
J E Sample No.	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75					
Sample ID	BH101	BH102	BH103	BH105	BH106	BH108	BH109	BH112					
Depth											Diago as	e attached n	otoo for all
COC No / misc												ations and a	
Containers	VPG	VPG	VPG	VPG	VPG	VPG	VPG	VPG					
Sample Date	26/01/2016	26/01/2016	26/01/2016	26/01/2016	26/01/2016	26/01/2016	25/01/2016	26/01/2016					
Sample Type	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water					
Batch Number	3	3	3	3	3	3	3	3					Method
Date of Receipt	26/01/2016	26/01/2016	26/01/2016	26/01/2016	26/01/2016	26/01/2016	26/01/2016	26/01/2016			LOD/LOR	Units	No.
Total Cyanide #	0.15	0.01	0.01	<0.01	<0.01	0.01	0.01	0.01			<0.01	mg/l	TM89/PM0
	0.77	<0.03	40.00	-0.02	-0.02	±0.02	<0.03	-0.02			40.02		TM20/DM0
Ammoniacal Nitrogen as N # Hexavalent Chromium #	0.77 <0.006	<0.006	<0.03 <0.006	<0.03 <0.006	<0.03 <0.006	<0.03 <0.006	<0.006	<0.03 <0.006			<0.03 <0.006	mg/l mg/l	TM38/PM0 TM38/PM0
Total Dissolved Chromium III	<6	<6	<6	<6	<6	<6	<6	<6			<6	ug/l	NONE/NONE
Sulphide	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3			<0.3	mg/l	TM106/PM0
pH#	7.05	7.57	6.89	7.10	7.42	7.54	7.52	7.47			<0.01	pH units	TM73/PM0
Total Organic Carbon #	5	<2	<2	<2	<2	<2	49	<2			<2	mg/l	TM60/PM0
	l .	l	l .	l .	l .	l .	l .	l .			l	l .	

Client Name: Geotechnics SVOC Report : Liquid

Reference: PN153428
Location: Stockport Bus Station

Contact:

JE Job No.: 16/3162

JE Job No.:	16/3162											
J E Sample No.	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75				
Sample ID	BH101	BH102	BH103	BH105	BH106	BH108	BH109	BH112				
Depth										Places so	e attached r	otos for all
COC No / misc											e allached rations and a	
Containers	VPG	VPG	VPG	VPG	VPG	VPG	VPG	VPG				
Sample Date		26/01/2016	26/01/2016	_	26/01/2016	-	25/01/2016	26/01/2016				
Sample Type	Ground Water		Ground Water		Ground Water	Ground Water	Ground Water	Ground Water				
Batch Number	3	3	3	3	3	3	3	3				Method
Date of Receipt	1	26/01/2016		26/01/2016			26/01/2016	26/01/2016		LOD/LOR	Units	No.
SVOC MS	20/01/2010	20/01/2010	20/01/2010	20/01/2010	20/01/2010	20/01/2010	20/0//2010	20/01/2010				
Phenols												
2-Chlorophenol #	<1	<1	<1	<1	<1	<1	<1	<1		<1	ug/l	TM16/PM30
2-Methylphenol #	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	ug/l	TM16/PM30
2-Nitrophenol	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	ug/l	TM16/PM30
2,4-Dichlorophenol #	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	ug/l	TM16/PM30
2,4-Dimethylphenol	<1	<1	<1	<1	<1	<1	<1	<1		<1	ug/l	TM16/PM30
2,4,5-Trichlorophenol #	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	ug/l	TM16/PM30
2,4,6-Trichlorophenol	<1	<1	<1	<1	<1	<1	<1	<1		<1	ug/l	TM16/PM30
4-Chloro-3-methylphenol #	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	ug/l	TM16/PM30
4-Methylphenol	<1	<1	<1	<1	<1	<1	<1	<1		<1	ug/l	TM16/PM30
4-Nitrophenol	<10	<10	<10	<10	<10	<10	<10	<10		<10	ug/l	TM16/PM30
Pentachlorophenol	<1	<1	<1	<1	<1	<1	<1	<1		<1	ug/l	TM16/PM30
Phenol	<1	<1	<1	<1	<1	<1	<1	<1		<1	ug/l	TM16/PM30
PAHs											ŭ	
2-Chloronaphthalene #	<1	<1	<1	<1	<1	<1	<1	<1		<1	ug/l	TM16/PM30
2-Methylnaphthalene #	<1	<1	<1	<1	<1	<1	<1	<1		<1	ug/l	TM16/PM30
Phthalates												
Bis(2-ethylhexyl) phthalate	<5	<5	<5	<5	<5	<5	<5	<5		<5	ug/l	TM16/PM30
Butylbenzyl phthalate	<1	<1	<1	<1	<1	<1	<1	<1		<1	ug/l	TM16/PM30
Di-n-butyl phthalate #	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5		<1.5	ug/l	TM16/PM30
Di-n-Octyl phthalate	<1	<1	<1	<1	<1	<1	<1	<1		<1	ug/l	TM16/PM30
Diethyl phthalate#	<1	<1	<1	<1	<1	<1	<1	<1		<1	ug/l	TM16/PM30
Dimethyl phthalate	<1	<1	<1	<1	<1	<1	<1	<1		<1	ug/l	TM16/PM30
Other SVOCs												
1,2-Dichlorobenzene #	<1	<1	<1	<1	<1	<1	<1	<1		<1	ug/l	TM16/PM30
1,2,4-Trichlorobenzene #	<1	<1	<1	<1	<1	<1	<1	<1		<1	ug/l	TM16/PM30
1,3-Dichlorobenzene #	<1	<1	<1	<1	<1	<1	<1	<1		<1	ug/l	TM16/PM30
1,4-Dichlorobenzene #	<1	<1	<1	<1	<1	<1	<1	<1		<1	ug/l	TM16/PM30
2-Nitroaniline	<1	<1	<1	<1	<1	<1	<1	<1		<1	ug/l	TM16/PM30
2,4-Dinitrotoluene #	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	ug/l	TM16/PM30
2,6-Dinitrotoluene	<1	<1	<1	<1	<1	<1	<1	<1		<1	ug/l	TM16/PM30
3-Nitroaniline	<1	<1	<1	<1	<1	<1	<1	<1		<1	ug/l	TM16/PM30
4-Bromophenylphenylether#	<1	<1	<1	<1	<1	<1	<1	<1		<1	ug/l	TM16/PM30
4-Chloroaniline	<1	<1	<1	<1	<1	<1	<1	<1		<1	ug/l	TM16/PM30
4-Chlorophenylphenylether #	<1	<1	<1	<1	<1	<1	<1	<1		<1	ug/l	TM16/PM30
4-Nitroaniline	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	ug/l	TM16/PM30
Azobenzene #	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	ug/l	TM16/PM30
Bis(2-chloroethoxy)methane #	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	ug/l	TM16/PM30
Bis(2-chloroethyl)ether#	<1	<1	<1	<1	<1	<1	<1	<1		<1	ug/l	TM16/PM30
Carbazole #	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	ug/l	TM16/PM30
Dibenzofuran #	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	ug/l	TM16/PM30 TM16/PM30
Hexachlorobenzene #	<1	<1	<1	<1 <1	<1	<1	<1	<1 <1		<1	ug/l	TM16/PM30 TM16/PM30
Hexachlorobutadiene * Hexachlorocyclopentadiene	<1 <1	<1 <1	<1 <1	<1 <1	<1 <1	<1 <1	<1 <1	<1 <1		<1 <1	ug/l ug/l	TM16/PM30
Hexachloroethane #	<1	<1	<1	<1	<1	<1	<1	<1		<1	ug/l	TM16/PM30
Isophorone #	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	ug/l	TM16/PM30
N-nitrosodi-n-propylamine #	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	ug/l	TM16/PM30
Nitrobenzene #	<1	<1	<1	<1	<1	<1	<1	<1		<1	ug/l	TM16/PM30
INITODETIZETE	`						~1			~1	ug/I	TIVITO/T IVIOU
		•	•									

Client Name: Geotechnics VOC Report: Liquid
Reference: PN153428

Reference: PN153428
Location: Stockport Bus Station

Contact:

JE Job No.: 16/3162

JE Job No.:	16/3162											
J E Sample No.	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75]		
Sample ID	BH101	BH102	BH103	BH105	BH106	BH108	BH109	BH112				
Depth										Please se	e attached r	notes for all
COC No / misc											ations and a	
Containers	VPG	VPG	VPG	VPG	VPG	VPG	VPG	VPG		Ì		
Sample Date			26/01/2016					26/01/2016		[
Sample Type	Ground Water	Ground Water		Ground Water	Ground Water			Ground Water				
Batch Number	3	3	3	3	3	3	3	3		LOD/LOR	Units	Method No.
VOC MS	26/01/2016	26/01/2016	26/01/2016	26/01/2016	26/01/2016	26/01/2016	26/01/2016	26/01/2016				INO.
Dichlorodifluoromethane	<2	<2	<2	<2	<2	<2	<2	<2		<2	ug/l	TM15/PM10
Methyl Tertiary Butyl Ether #	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	ug/l	TM15/PM10
Chloromethane #	<3	<3	<3	<3	<3	<3	<3	<3		<3	ug/l	TM15/PM10
Vinyl Chloride #	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1	ug/l	TM15/PM10
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1		<1	ug/l	TM15/PM10
Chloroethane #	<3	<3	<3	<3	<3	<3	<3	<3		<3	ug/l	TM15/PM10
Trichlorofluoromethane #	<3	<3	<3	<3	<3	<3	<3	<3		<3	ug/l	TM15/PM10
1,1-Dichloroethene (1,1 DCE)#	<3	<3	<3	<3	<3	<3	<3	<3		<3	ug/l	TM15/PM10
Dichloromethane (DCM) # trans-1-2-Dichloroethene #	<3 <3	<3 <3	<3 <3	<3 <3	<3 <3	<3 <3	<3 <3	<3 <3		<3 <3	ug/l ug/l	TM15/PM10 TM15/PM10
1,1-Dichloroethane#	<3	<3	<3	<3	<3	<3	<3	<3		<3	ug/l	TM15/PM10
cis-1-2-Dichloroethene #	<3	<3	<3	<3	<3	<3	<3	<3		<3	ug/l	TM15/PM10
2,2-Dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1		<1	ug/l	TM15/PM10
Bromochloromethane #	<2	<2	<2	<2	<2	<2	<2	<2		<2	ug/l	TM15/PM10
Chloroform#	<2	<2	<2	<2	<2	<2	5	<2		<2	ug/l	TM15/PM10
1,1,1-Trichloroethane#	<2	<2	<2	<2	<2	<2	<2	<2		<2	ug/l	TM15/PM10
1,1-Dichloropropene #	<3	<3	<3	<3	<3	<3	<3	<3		<3	ug/l	TM15/PM10
Carbon tetrachloride #	<2 <2	<2 <2	<2 <2	<2 <2	<2	<2 <2	<2 <2	<2 <2		<2	ug/l	TM15/PM10 TM15/PM10
1,2-Dichloroethane # Benzene #	<0.5	<0.5	<0.5	<0.5	<2 <0.5	<0.5	<0.5	<0.5		<2 <0.5	ug/l ug/l	TM15/PM10
Trichloroethene (TCE)#	<3	<3	<3	<3	<3	<3	<3	<3		<3	ug/l	TM15/PM10
1,2-Dichloropropane #	<2	<2	<2	<2	<2	<2	<2	<2		<2	ug/l	TM15/PM10
Dibromomethane #	<3	<3	<3	<3	<3	<3	<3	<3		<3	ug/l	TM15/PM10
Bromodichloromethane #	<2	<2	<2	<2	<2	<2	<2	<2		<2	ug/l	TM15/PM10
cis-1-3-Dichloropropene	<2	<2	<2	<2	<2	<2	<2	<2		<2	ug/l	TM15/PM10
Toluene #	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.2	<0.5		<0.5	ug/l	TM15/PM10
trans-1-3-Dichloropropene	<2	<2	<2	<2	<2	<2	<2	<2		<2	ug/l	TM15/PM10
1,1,2-Trichloroethane #	<2	<2	<2	<2	<2	<2	<2 <3	<2 <3		<2	ug/l	TM15/PM10 TM15/PM10
Tetrachloroethene (PCE) * 1,3-Dichloropropane *	<3 <2	<3 <2	<3 <2	<3 <2	<3 <2	<3 <2	<2	<2		<3 <2	ug/l ug/l	TM15/PM10
Dibromochloromethane #	<2	<2	<2	<2	<2	<2	<2	<2		<2	ug/l	TM15/PM10
1,2-Dibromoethane #	<2	<2	<2	<2	<2	<2	<2	<2		<2	ug/l	TM15/PM10
Chlorobenzene #	<2	<2	<2	<2	<2	<2	<2	<2		<2	ug/l	TM15/PM10
1,1,1,2-Tetrachloroethane #	<2	<2	<2	<2	<2	<2	<2	<2		<2	ug/l	TM15/PM10
Ethylbenzene #	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	ug/l	TM15/PM10
p/m-Xylene #	<1	<1	<1	<1	<1	<1	<1	<1		<1	ug/l	TM15/PM10
o-Xylene #	<0.5 <2	<0.5 <2	<0.5 <2	<0.5 <2	<0.5 <2	<0.5 <2	<0.5 <2	<0.5 <2		<0.5 <2	ug/l	TM15/PM10 TM15/PM10
Styrene Bromoform#	<2	<2	<2	<2	<2	<2	<2 <2	<2		<2	ug/l ug/l	TM15/PM10 TM15/PM10
Isopropylbenzene #	<3	<3	<3	<3	<3	<3	<3	<3		<3	ug/l	TM15/PM10
1,1,2,2-Tetrachloroethane	<4	<4	<4	<4	<4	<4	<4	<4		<4	ug/l	TM15/PM10
Bromobenzene #	<2	<2	<2	<2	<2	<2	<2	<2		<2	ug/l	TM15/PM10
1,2,3-Trichloropropane #	<3	<3	<3	<3	<3	<3	<3	<3		<3	ug/l	TM15/PM10
Propylbenzene #	<3	<3	<3	<3	<3	<3	<3	<3		<3	ug/l	TM15/PM10
2-Chlorotoluene#	<3	<3	<3	<3	<3	<3	<3	<3		<3	ug/l	TM15/PM10
1,3,5-Trimethylbenzene #	<3	<3	<3	<3	<3	<3	<3	<3		<3	ug/l	TM15/PM10
4-Chlorotoluene # tert-Butylbenzene #	<3 <3	<3 <3	<3 <3	<3 <3	<3 <3	<3 <3	<3 <3	<3 <3		<3 <3	ug/l ug/l	TM15/PM10 TM15/PM10
tert-Butylbenzene 1,2,4-Trimethylbenzene *	<3	<3	<3	<3	<3	<3	<3	<3		<3	ug/l	TM15/PM10
sec-Butylbenzene#	<3	<3	<3	<3	<3	<3	<3	<3		<3	ug/l	TM15/PM10
4-Isopropyltoluene #	<3	<3	<3	<3	<3	<3	<3	<3		<3	ug/l	TM15/PM10
1,3-Dichlorobenzene #	<3	<3	<3	<3	<3	<3	<3	<3		<3	ug/l	TM15/PM10
1,4-Dichlorobenzene #	<3	<3	<3	<3	<3	<3	<3	<3		<3	ug/l	TM15/PM10
n-Butylbenzene #	<3	<3	<3	<3	<3	<3	<3	<3		<3	ug/l	TM15/PM10
1,2-Dichlorobenzene #	<3	<3	<3	<3	<3	<3	<3	<3		<3	ug/l	TM15/PM10
1,2-Dibromo-3-chloropropane	<2	<2	<2	<2	<2	<2	<2	<2		<2	ug/l	TM15/PM10
1,2,4-Trichlorobenzene Hexachlorobutadiene	<3 <3	<3 <3	<3 <3	<3 <3	<3 <3	<3 <3	<3 <3	<3 <3		<3 <3	ug/l	TM15/PM10 TM15/PM10
Naphthalene	<3 <2	<3 <2	<3 <2	<3 <2	<3 <2	<3 <2	<3 <2	<3 <2		<3 <2	ug/l ug/l	TM15/PM10 TM15/PM10
1,2,3-Trichlorobenzene	<3	<3	<3	<3	<3	<3	<3	<3		<3	ug/l	TM15/PM10
Surrogate Recovery Toluene D8	97	96	97	97	96	97	95	98		<0	%	TM15/PM10
Surrogate Recovery 4-Bromofluorobenzene	114	114	115	115	115	113	111	101		<0	%	TM15/PM10
		•					•		•			

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

JE Job No.: 16/3162

SOILS

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCI (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 (UKAS) accreditation applies to surface water and groundwater and one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

DEVIATING SAMPLES

Samples must be received in a condition appropriate to the requested analyses. All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. If this is not the case you will be informed and any test results that may be compromised highlighted on your deviating samples report.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

DILUTIONS

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

NOTE

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a UKAS requirement for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.

Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

ABBREVIATIONS and ACRONYMS USED

ISO17025 (UKAS) accredited - UK.
Indicates analyte found in associated method blank.
Dilution required.
MCERTS accredited.
Not applicable
No Asbestos Detected.
None Detected (usually refers to VOC and/SVOC TICs).
No Determination Possible
Calibrated against a single substance
Surrogate recovery outside performance criteria. This may be due to a matrix effect.
Results expressed on as received basis.
AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
Result outside calibration range, results should be considered as indicative only and are not accredited.
Analysis subcontracted to a Jones Environmental approved laboratory.
Samples are dried at 35°C ±5°C
Suspected carry over
Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS
Matrix Effect
No Fibres Detected
AQC Sample
Blank Sample
Client Sample
Trip Blank Sample
Outside Calibration Range

JE Job No: 16/3162

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.				
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.	Yes			
TM5	Modified USEPA 8015B method for the determination of solvent Extractable Petroleum Hydrocarbons (EPH) with carbon banding within the range C8-C40 GC-FID.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.	Yes			
TM5/TM36	TM005: Modified USEPA 8015B. Determination of solvent Extractable Petroleum Hydrocarbons (EPH) including column fractionation in the carbon range of C10-35 into aliphatic and aromatic fractions by GC-FID. TM036: Modified USEPA 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C5-10 by headspace GC-FID.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.	Yes			
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.				
TM15	Modified USEPA 8260. Quantitative Determination of Volatile Organic Compounds (VOCs) by Headspace GC-MS.	PM10	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes			
TM16	Modified USEPA 8270. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.				
TM16	Modified USEPA 8270. Quantitative determination of Semi-Volatile Organic compounds (SVOCs) by GC-MS.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.	Yes			
TM17	Modified US EPA method 8270. Determination of specific Polychlorinated Biphenyl congeners by GC-MS.	PM30	Water samples are extracted with solvent using a magnetic stirrer to create a vortex.				
TM26	Determination of phenols by Reversed Phased High Performance Liquid Chromatography and Electro-Chemical Detection.	PM0	No preparation is required.				

JE Job No: 16/3162

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7	PM14	Analysis of waters and leachates for metals by ICP OES. Samples are filtered for dissolved metals and acidified if required.				
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7	PM14	Analysis of waters and leachates for metals by ICP OES. Samples are filtered for dissolved metals and acidified if required.	Yes			
TM36	Modified US EPA method 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C4-12 by headspace GC-FID.	PM12	Modified US EPA method 5021. Preparation of solid and liquid samples for GC headspace analysis.	Yes			
TM38	Soluble Ion analysis using the Thermo Aquakem Photometric Automatic Analyser. Modified US EPA methods 325.2, 375.4, 365.2, 353.1, 354.1	PM0	No preparation is required.	Yes			
TM60	Modified USEPA 9060. Determination of TOC by calculation from Total Carbon and Inorganic Carbon using a TOC analyser, the carbon in the sample is converted to CO2 and then passed through a non-dispersive infrared gas analyser (NDIR).	PM0	No preparation is required.	Yes			
TM73	Modified US EPA methods 150.1 and 9045D. Determination of pH by Metrohm automated probe analyser.	PM0	No preparation is required.	Yes			
TM89	Modified USEPA method OIA-1667. Determination of cyanide by Flow Injection Analyser.	PM0	No preparation is required.	Yes			
TM106	Determination of Sulphide by Skalar Continuous Flow Analyser	PM0	No preparation is required.				
NONE	No Method Code	NONE	No Method Code				



Jones Environmental Laboratory

Registered Address: Unit 3 Deeside Point, Zone 3, Deeside Industrial Park, Deeside, CH5 2UA. UK

Unit 3 Deeside Point

Zone 3

Deeside Industrial Park

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River Lane
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CH4 8RJ

Tel: +44 (0) 1244 833780 Fax: +44 (0) 1244 833781

Attention:

Date: 26th February, 2016

Your reference : PN153428

Our reference: Test Report 15/17326 Batch 1 Schedule B

Location : Stockport Bus Station

Date samples received: 3rd December, 2015

Status: Final report

Issue:

Twenty six samples were received for analysis on 3rd December, 2015 of which three were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.

All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Compiled By:

Client Name: Geotechnics Reference: PN153428

Location: Stockport Bus Station

Contact:

Note:

Analysis was carried out in accordance with our documented in-house methods PM042 and TM065 and HSG 248 by Stereo and Polarised Light Microscopy using Dispersion Staining Techniques and is covered by our UKAS accreditation. Samples are retained for not less than 6 months from the date of analysis unless specifically requested.

Opinions lie outside the scope of our UKAS accreditation.

Where the sample is not taken by a Jones Environmental Laboratory consultant, Jones Environmental Laboratory cannot be responsible for inaccurate or unrepresentative sampling.

Signed on behalf of Jones Environmental Laboratory:

Asbestos Team Leader

J E Job No.	Batch	Sample ID	Depth	J E Sample No.	Date Of Analysis	Analysis	Result
15/17326	1	WS201	0.50	32	26/02/2016	Asbestos PCOM Quantification (Fibres)	<0.001 (mass %)
					26/02/2016	Asbestos Gravimetric & PCOM Total	<0.001 (mass %)
15/17326	1	BH112	1.00	53	26/02/2016	Asbestos PCOM Quantification (Fibres)	<0.001 (mass %)
					26/02/2016	Asbestos Gravimetric & PCOM Total	<0.001 (mass %)
15/17326	1	WS206	0.50	65		Asbestos PCOM Quantification (Fibres)	
					26/02/2016	Asbestos Gravimetric & PCOM Total	<0.001 (mass %)

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

JE Job No.: 15/17326

SOILS

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCI (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 (UKAS) accreditation applies to surface water and groundwater and one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

DEVIATING SAMPLES

Samples must be received in a condition appropriate to the requested analyses. All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. If this is not the case you will be informed and any test results that may be compromised highlighted on your deviating samples report.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

DILUTIONS

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

NOTE

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a UKAS requirement for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.

Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

ABBREVIATIONS and ACRONYMS USED

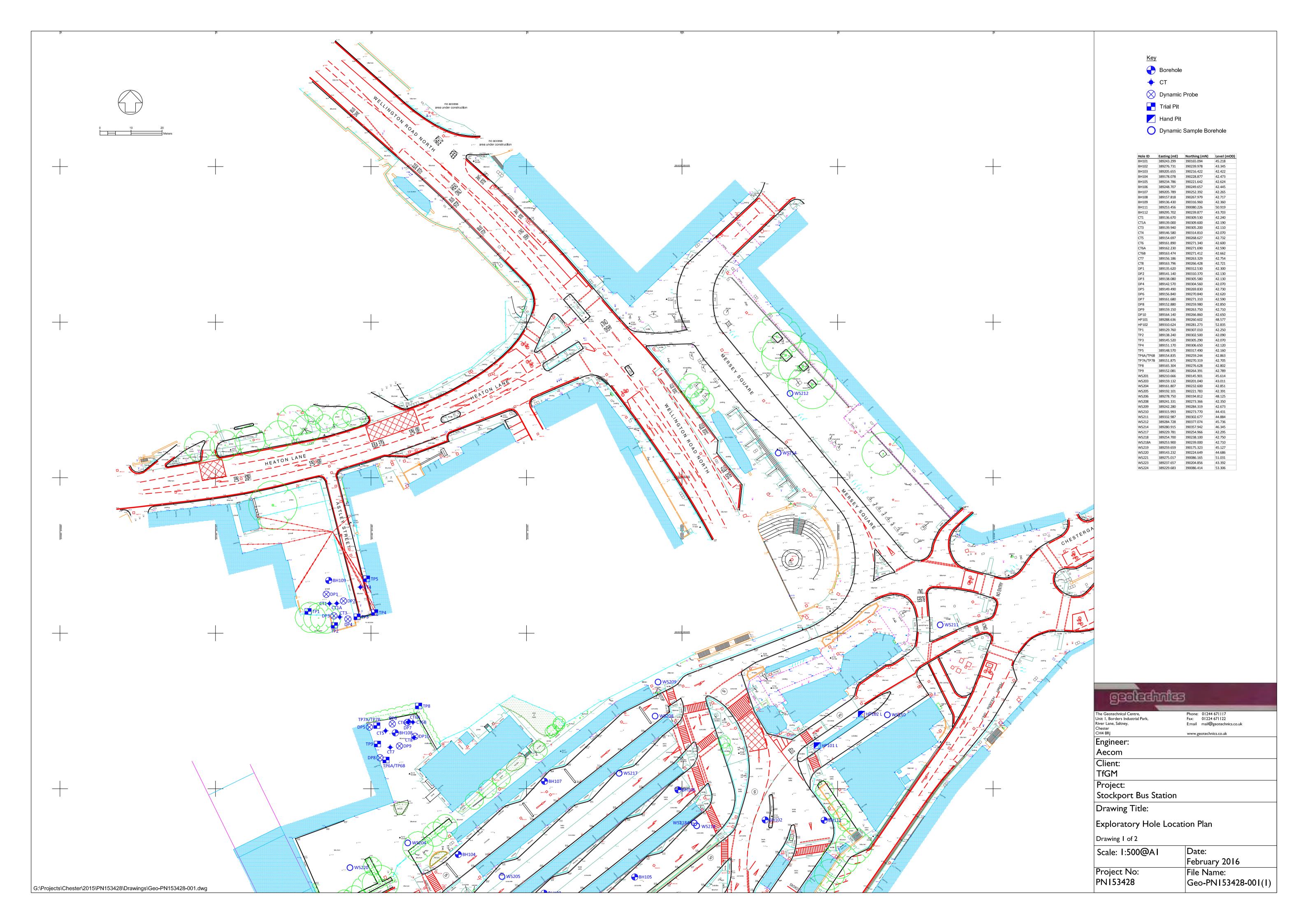
#	ISO17025 (UKAS) accredited - UK.
В	Indicates analyte found in associated method blank.
DR	Dilution required.
M	MCERTS accredited.
NA	Not applicable
NAD	No Asbestos Detected.
ND	None Detected (usually refers to VOC and/SVOC TICs).
NDP	No Determination Possible
SS	Calibrated against a single substance
SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
++	Result outside calibration range, results should be considered as indicative only and are not accredited.
*	Analysis subcontracted to a Jones Environmental approved laboratory.
AD	Samples are dried at 35°C ±5°C
СО	Suspected carry over
LOD/LOR	Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS
ME	Matrix Effect
NFD	No Fibres Detected
BS	AQC Sample
LB	Blank Sample
N	Client Sample
TB	Trip Blank Sample
OC	Outside Calibration Range

JE Job No: 15/17326

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM65	Asbestos Bulk Identification method based on HSG 248.	PM42	Solid samples undergo a thorough visual inspection for asbestos fibres prior to asbestos identification using TM065.			AR	Yes
TM65	Asbestos Bulk Identification method based on HSG 248.	PM42	Solid samples undergo a thorough visual inspection for asbestos fibres prior to asbestos identification using TM065.			AR	

APPENDIX 13

Exploratory Hole Location Plan





APPENDIX 14

Investigation Techniques and General Notes



INTRODUCTION

The following brief review of Ground Investigation techniques, generally used as part of most Site Investigations in the UK, summarises their methodology, advantages and limitations. Detailed descriptions of the techniques are available and can be provided on request. This review should be read in conjunction with the accompanying General Notes.

TRIAL PITS

The trial pit is amongst the most simple yet effective means of identifying shallow ground conditions on a site. Its advantages include simplicity, speed, potential accuracy and cost-effectiveness. The trial pit is most commonly formed using a back-acting excavator which can typically determine ground conditions to some 4 metres below ground level. Hand excavation is often used to locate, expose and detail existing foundations, features or services. In general, it is difficult to extend pits significantly below the water table in predominantly granular soils, where flows can cause instability. Unless otherwise stated, the trial pits will not have been provided with temporary side support during their construction. Under such circumstances ground conditions to some 1.20 metres can be closely inspected subject to stability assessment, but below this depth, entrance into the pit is not permitted in the absence of shoring and hence observations will have been made from ground surface and samples taken from the excavator bucket.

Trends in strata type, level and thickness can be determined, shear surfaces identified and the behaviour of plant, excavation sides and excavated materials can be related to the construction process. They are particularly valuable in land slip investigations. Some types of in situ test can be undertaken in such pits and large disturbed or block samples obtained.

CABLE PERCUSSION BORING

The light Cable Percussion technique of soft ground boring, typically at a diameter of 150mm, is a well-established simple and flexible method of boring vertical holes and generally allows data to be obtained in respect of strata conditions other than rock. A tubular cutter (for cohesive soils) or shell with a flap valve (for granular soils) is repeatedly lifted and dropped using a winch and rope operating from an "A" frame. Soil which enters these tools is regularly removed and either sampled for subsequent examination or test, or laid to one side for backfilling. Steel casing will have been used to prevent collapse of the borehole sides where necessary. A degree of disturbance of soil and mixing of layers is inevitable and the presence of very thin layers of different soils within a particular stratum may not be identified. Changes in strata type can only be detected on recognition of a change in soil samples at surface, after the interface has been passed. For the foregoing reasons, depth measurements should not be considered to be more accurate than 0.10 metre.

In cohesive soils cylindrical samples are retrieved by driving or pushing in 100mm nominal diameter tubes. In soft soils, piston sampling or vane testing may be undertaken. In granular soils and often in cohesive materials, insitu Standard Penetration Tests (SPT's) are performed. The SPT records the number of standard blows required to drive a 50mm diameter open or cone ended probe for 300mm after an initial 150mm penetration. A modified method of recording is used in more dense strata. Small disturbed samples are obtained throughout.

The technique can determine ground conditions to depths in excess of 30 metres under suitable circumstances and usually causes less surface disturbance than trial pitting.

ROTARY DRILLING

Rotary Drilling to produce cores by rotating an annular diamond-impregnated tube or barrel into the ground is the technique most appropriate to the forming of site investigation boreholes through rock or other hard strata. It has the advantage of being able to be used vertically or at an angle. Core diameters of less than 100mm are most common for site investigation purposes. Core is normally retrieved in plastic lining tubes. A flushing fluid such as air, water or foam is used to cool the bit and carry cuttings to the surface.

Examination of cores allows detailed rock description and generally enables angled discontinuity surfaces to be observed. However, vertical holes do not necessarily reveal the presence of vertical or near-vertical fissures or joint discontinuities. The core type and/or techniques used. Where open hole rotary drilling is employed, descriptions of strata result from examination at surface of small particles ejected from the borehole in the flushing medium. In consequence, no indication of fissuring, bedding, consistency or degree of weathering can be obtained. Small scale plant can be used for auger drilling to limited depths where access is constrained.

Depths in excess of 60 metres can be achieved under suitable circumstances using rotary techniques, with minimal surface disturbance.

WINDOW SAMPLING

This technique involves the driving of an open-ended tube into the ground and retrieval of the soil which enters the tube. The term "window sample" arose from the original device which had a "window" or slot cut into the side of the tube through which samples were taken. This has now been superseded by the use of a thin-walled plastic liner within a sampler which has a solid wall. Diameters range from 36 to 86mm. Such samples can be used for qualitative logging, selection of samples for classification and chemical analysis and for obtaining a rudimentary assessment of strength.

Driving devices can be hand-held or machine mounted and the drive tubes are typically in Im lengths. The hole formed is not cased, however, and hence the success of this technique is limited when soils and groundwater conditions are such that the sides of the hole collapse on withdrawal of the sampler. Obstructions within the ground, the density of the material or its strength can also limit the depth and rate of penetration of this light-weight investigation technique. Nevertheless, it is a valuable tool where access is constrained such as within buildings or on embankments. Depths of up to 8m can be achieved in suitable circumstances but depths of 4m to 6m are more common.

EXPLORATORY HOLE RECORDS

The data obtained by these techniques are generally presented on Trial Pit, Borehole, Drillhole or Window Sample Records. The descriptions of strata result from information gathered from a number of sources which may include published geological data, preliminary field observations and descriptions, in situ test results, laboratory test results and specimen descriptions. A key to the symbols and abbreviations used accompanies the records. The descriptions on the exploratory hole records accommodate but may not necessarily be identical to those on any preliminary records or the laboratory summaries.

The records show ground conditions at the exploratory hole locations. The degree to which they can be used to represent conditions between or beyond such holes, however, is a matter for geological interpretation rather than factual reporting and the associated uncertainties must be recognised.

DYNAMIC PROBING

This technique typically measures the number of blows of a standard weight falling over a standard height to advance a cone-ended rod over sequential standard distances (typically 100mm). Some devices measure the penetration of the probe per standard blow. It is essentially a profiling tool and is best used in conjunction with other investigation techniques where site-specific correlation can be used to delineate the distribution of soft or loose soils or the upper horizon of a dense or strong layer such as rock.

Both machine-driven and hand-driven equipment is available, the selection depending upon access restrictions and the depth of penetration required. It is particularly useful where access for larger equipment is not available, disturbance is to be minimised or where there are cost constraints. No samples are recovered and some techniques leave a sacrificial cone head in the ground. As with other lightweight techniques, progress is limited in strong or dense soils. The results are presented both numerically and graphically. Depths of up to 10m are commonly achieved in suitable circumstances.

The hand-driven DCP probing device has been calibrated by the TRL to provide a profile of CBR values over a range of depths of up to 1.50m.

INSTRUMENTATION

The most common form of instrument used in site investigation is either the standpipe or else the standpipe piezometer which can be installed in investigation holes. They are used to facilitate monitoring of groundwater levels and water sampling over a period of time following site work. Normally a standpipe would be formed using rigid plastic tubing which has been perforated or slotted over much of its length whilst a standpipe piezometer would have a filter tip which would be placed at a selected level and the hole sealed above and sometimes below to isolate the zone of interest. Groundwater levels are determined using an electronic "dipmeter" to measure the depth to the water surface from ground level. Piezometers can also be used to measure permeability. They are simple and inexpensive instruments for long term monitoring but response times can limit their use in tidal areas and access to the ground surface at each instrument is necessary. Remote reading requires more sophisticated hydraulic, electronic or pneumatic equipment.

Settlement can be monitored using surface or buried target plates whilst lateral movement over a range of depths is monitored using slip indicator or inclinometer equipment.





- 1. The report is prepared for the exclusive use of the Client named in the document and copyright subsists with Geotechnics Limited. Prior written permission must be obtained to reproduce all or part of the report. It is prepared on the understanding that its contents are only disclosed to parties directly involved in the current investigation, preparation and development of the site.
- Further copies may be obtained with the Client's written permission, from Geotechnics Limited with whom the master copy of the document will be retained
- 3. The report and/or opinion is prepared for the specific purpose stated in the document and in relation to the nature and extent of proposals made available to Geotechnics Limited at that time. Re-consideration will be necessary should those details change. The recommendations should not be used for other schemes on or adjacent to the site without further reference to Geotechnics Limited.
- The assessment of the significance of the factual data, where called for, is
 provided to assist the Client and his Engineer and/or Advisers in the
 preparation of their designs.
- 5. The report is based on the ground conditions encountered in the exploratory holes together with the results of field and laboratory testing in the context of the proposed development. The data from any commissioned desk study and site reconnaissance are also drawn upon. There may be special conditions appertaining to the site, however, which are not revealed by the investigation and which may not be taken into account in the report.
- 6. Methods of construction and/or design other than those proposed by the designers or referred to in the report may require consideration during the evolution of the proposals and further assessment of the geotechnical and any geoenvironmental data would be required to provide discussion and evaluations appropriate to these methods.
- 7. The accuracy of results reported depends upon the technique of measurement, investigation and test used and these values should not be regarded necessarily as characteristics of the strata as a whole (see accompanying notes on Investigation Techniques). Where such measurements are critical, the technique of investigation will need to be reviewed and supplementary investigation undertaken in accordance with the advice of the Company where necessary.
- 8. The samples selected for laboratory test are prepared and tested in accordance with the relevant Clauses of BS 1377 Parts I to 8, where appropriate, in Geotechnics Limited's UKAS accredited Laboratory, where possible. A list of tests is given.
- Tests requiring the use of another laboratory having UKAS accreditation where possible are identified.
- Any unavoidable variations from specified procedures are identified in the report.
- Specimens are cut vertically, where this is relevant and can be identified, unless otherwise stated.
- 12. All the data required by the test procedures are recorded on individual test sheets but the results in the report are presented in summary form to aid

- understanding and assimilation for design purposes. Where all details are required, these can be made available.
- 13. Whilst the report may express an opinion on possible configurations of strata between or beyond exploratory holes, or on the possible presence of features based on either visual, verbal, written, cartographical, photographic or published evidence, this is for guidance only and no liability can be accepted for its accuracy.
- 14. Classification of materials as Made Ground is based on the inspection of retrieved samples or exposed excavations. Where it is obvious that foreign matter such as paper, plastic or metal is present, classification is clear. Frequently, however, for fill materials that arise from the adjacent ground or from the backfilling of excavations, their visual characteristics can closely resemble those of undisturbed ground. Other evidence such as site history, exploratory hole location or other tests may need to be drawn upon to provide clarification. For these reasons, classification of soils on the exploratory hole records as either Made Ground or naturally occurring strata, the boundary between them and any interpretation that this gives rise to should be regarded as provisional and subject to re-evaluation in the light of further data.
- 15. The classification of materials as Topsoil is generally based on visual description and should not be interpreted to mean that the material so described complies with the criteria for Topsoil used in BS 3882 (2007). Specific testing would be necessary where such definition is a requirement.
- 16. Ground conditions should be monitored during the construction of the works and the report should be re-evaluated in the light of these data by the supervising geotechnical engineers.
- 17. Any comments on groundwater conditions are based on observations made at the time of the investigation, unless specifically stated otherwise. It should be noted, however, that the observations are subject to the method and speed of boring, drilling or excavation and that groundwater levels will vary due to seasonal or other effects.
- 18. Any bearing capacities for conventional spread foundations which are given in the report and interpreted from the investigation are for bases at a minimum depth of I m below finished ground level in naturally occurring strata and at broadly similar levels throughout individual structures, unless otherwise stated. The foundations should be designed in accordance with the good practice embodied in BS 8004:1986 Foundations, supplemented for housing by NHBC Standards. Foundation design is an iterative process and bearing pressures may need adjustment or other measures may need to be taken in the context of final layouts and levels brior to finalisation of proposals.
- 19. Unless specifically stated, the investigation does not take account of the possible effects of mineral extraction or of gases from fill or natural sources within, below or outside the site.
- 20. The costs or economic viability of the proposals referred to in the report, or of the solutions put forward to any problems encountered, will depend on very many factors in addition to geotechnical or geoenvironmental considerations and hence their evaluation is outside the scope of the report.

Capabilities on project: Environment

Appendix D – Soils Screening Assessment

Exploratory Hole	BH101 0.50-0.70	BH102 BH103 BH194 2.00 0.35-0.55 1.00-1.29	8H105 8H105	EH106 EH108	4.00	5:00 1:00-1:20	2H102	0.20-0.40 0.50	5H112	HP01 HP02 0.20 0.20	HP92 0.50	W5201 0.50	W5202 0.50	W5204 W520 0.20 0.50	5 W5205	W5206 0.50	W5200 0.50	W5210 0.20	W5210 W5211	W52H1	W5212 W52 1.00 0.5	14 W5217	W5217	W5218A W5	218A W5219 20 1.00	W5220 0.20	W5220 W5223 W	5223 W5224 2.00 0.20	
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Armatica -2C3-EC7 - s0.1 mg/s Armatica -2C3-EC8 - s0.1 mg/s Armatica -2C3-EC10 - s0.1 mg/s	kg c0.1 c0.1 c0.1 c0.1 c0.1 c0.1 c0.1 c0.1	0.1	d1 d1 d	21 d1 21 d1	40.1 4d 40.1 4d	11 d.1 11 d.1	40.1	d1 d1 d1 d1	41 41 41 41	40.1	41 41	d1 d1	d1 d1 d1 d1	40.1 40.1	d1 d1	@1 @1	d1 d	1 4	0.1 d0.1 0.1 d0.1	41 4 41 4	1 40.1	d1 d1	41 41	d1 d1 d1 d1	40.1 40.1	40.1 40.1	d1 d1 d1 d1 d1 d1	40.1 40.1 40.1	\equiv
Armatica EC10-EC12 <0.2 mg/s Armatica SEC12-EC16 <4 mg/s Armatica SEC12-EC16 <4 mg/s Armatica SEC14-EC17 <7 mg/s Armatica SEC14-EC35 <7 mg/s Total commercia CN-35 <28 mg/s	top <0.2 c0.2 c0.2 co.2 co.2 co.2 co.2 co.2 co.2 co.2 co	02 <0.1 <0.2 64 <0.2 67 <4 5 67 <7 10	92 92 9 94 94 94 97 4 4	1.2 1. 5 3 7 22 7 54	2 492 45 37 6 44 29 33 43 43 98 43	12 d0.2 o4	40.2 - 40.4 - 8 47 - 82 - 38 -	02 d2 of of d7 d7	40.2 6 35 74	1.7 <0.2 37 416 1069	40.2 8 o4 93 <7 925 <7	3.7 46 351 824	d02 d02 d4 d4 d7	68 <7 349 <7	d) 2 oi of of	0.6 - 13 113 340	14 110 281	22.9 467 3055 5438	1.7 14.5 28 333 159 2005 401 3355	0.9 10 54 185	10.1 58 293 574	1.7 e0.2 29 e4 278 e7 665	40.2 e4 e7	02 02 04 04 02 07	c0.2 c4 c7 c7	40.2 64 67 67	### ### ##############################	-0.2 -04 -07 -07	
Total aliphatics and aromatics (CS-35) c52 mg/s	kg <26 <26 kg c52 c52	28 d7 17 52 d6 17	7 46 48 42 7 42 42 4	16 20 12 133	29 147 cd	2 2	18 49 - 18 79 -	28 31 62 62	124 124	1630 2 1677 2	045 - 215 883 - 62	1317	42 42	456 <26 563 <52	48 42	501 543	437 578	9526 9979	630 6065 630 6375	271 271	920 1052	1045 1045 2	85 Q5 18 d2	28 48 42 42	-28 -52	28 62	28 31 28 d2 93 d2	-28 -52	
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Bergo (ii) Anthrisone	kg <0.05 <0.05 kg <0.04 <0.04 kg <0.02 <0.02 kg <0.07 <0.07	100 110 110 110 110 110 110 110 110 110	8 d0.04 d0.04 9 0.06 d0.06 4 0.04 d0.04 1 d0.02 d0.02 7 d0.07 d0.07 6 d0.05 d0.05	0.38 5.4 0.43 6.3 0.16 2.5 0.57 8.9 0.41 6.4	99 0.07 45 11 0.45 45 43 0.8 45 33 0.55 11 0.21 4 25 0.75 4 44 0.55 4 15 0.24 4	0.05 0.102 0.107 0.1	03 <0.03 08 <0.04 41 <0.06 0.6 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.09 0.09	0.3 NA 0.3 NA 0.13 NA 0.47 NA	NA NA NA	9.46 11.91 4.38 15.65	0.27 0.14 0.28 0.14 0.1 0.05 0.36 0.19 0.25 0.13	4 35.32 4 37.68 5 14.84 8 53.01	1.42 1.49 0.6 2.16	1.61 5.78	0.03 <0.02	NA NA NA NA	5.66 5.45 2.41 8.50	222-46 10:58 363:51 591:71 649:52 224:45 801:62 577:17 301:71	3.65 NA 4.23 NA 1.5 NA 5.35 NA 3.65 NA	1.38 1.73 0.66 2.35	NA NA NA NA	<0.05 <0.00 <0.04 <0.06 <0.06 <0.07 <0.07 <0.04 <0.07 <0.04 <0.04	40.06 40.04 40.02 40.07	-0.04 -0.04 -0.06 -0.06 -0.04 -0.04 -0.02 -0.02 -0.07 -0.07 -0.05 -0.05 -0.04 -0.04	<0.05 <0.04 <0.02 <0.07	0.1 0.0 0.1	1 0.41 0.05 <0.04 9 0.19 <0.02 <0.02 1 0.69 <0.07	0.32 0.15	=
Banach Humanthre -0.05 mg/s Banach Humanthre -0.05 mg/s Banac (ph) penylare -0.04 mg/s -0.05 mg/s -0.05 mg/s -0.05 mg/s -0.05 mg/s -0.05 mg/s -0.05 mg/s -0.05 mg/s -0.05 mg/s -0.05 mg/s -0.05 -0.05 mg/s -0.05 -0.05 mg/s -0.05 -0	80	9A <0.05 12.5 9A <0.04 2.1 9A <0.02 23.0 9A <0.04 2.3	6 40.05 <0.05 7 40.04 <0.04 0.02 5 40.04 <0.04 3 0.05 40.03 5 40.04 <0.04	0.45 6.3	44 0.55 < 5 0.24 < 34 0.72 36 0.08 < 17 1.29 35 0.21 <	105 0.1 104 0.5 0.05 0.4	84 <0.05 32 <0.04 42 0.05 98 <0.04 84 0.04 <0.04	0.34 NA 0.16 NA 0.35 NA 0.05 NA	NA NA NA	11.27 6.75 10.7 1.42 <0.04	121 0.16	3 38.17 7 19.26 5 37 4.2	0.72	4.15 2.13 4.02 0.69 <0.04	0.06 <0.05 0.04 <0.04 0.06 <0.02 <0.04 0.08 <0.03	NA NA NA NA	6.18 3.12 6.12 0.77	577.17 301.71 628.96 58.58 1312.54 175.01	3.85 NA 2.50 NA 4 NA 0.73 NA	1.69 0.84 1.62 0.31	NA NA NA NA	<0.05 <0.04 0.04	40.04 40.04 03.40.02 40.04	40.05 40.05 40.04 40.04 0.02 40.04 40.04	<0.05 <0.04 0.02 <0.02 <0.04	0.1 0.0 0.04	11 0.5 <0.05 <0.05 88 0.41 <0.04 <0.04 1 0.37 0.05 <0.02 0.08 <0.04 <0.04	0.42	\equiv
Phoneritarie	log <0.03 <0.03 log <0.04 <0.04 log <0.04 <0.04 log <0.04 <0.04		0.05 <0.03 5 <0.04 <0.04 0 0.04 <0.04 6 <0.04 <0.04 6 <0.04 <0.03	0.22 3.7	77 0.25 <0 2 0.23 <0	104 40.04	d04	0.2 NA 0.05 NA	NA NA NA	0.77 < 0.04	0.04 0.14 0.07 0.04 0.04 0.03	7 86.9 10.47 7 21.16 13.8	373 0.68 0.82 3 3.98	6.98 <0.04 2.73 <0.04 0.61 <0.04	-0.04 -0.04 -0.04	NA NA NA NA	1308 138 335 0.87	1312.54 175.01 317.37 21.42 1260.46 1372.58	7.7 NA 0.77 NA 2.42 NA 0.92 NA 5.71 NA	034 12 032	NA NA NA NA	<0.04 <0.04 <0.04	40H 40H 40H	d105 d005 d104 d004 d104 d004 d104 d004	<0.03 <0.04 <0.04 <0.04	0.04	4 0.37 0.06 c0.03 c0.04 c0.04 8 0.47 c0.04 c0.04 0.00 c0.04 c0.04	<0.04 0.2 <0.04	=
Pyerse	kg <0.03 <0.03 kg <0.08 <0.6	9A <0.03 53. 9A <0.6 334.	0.05 <0.03	0.66 16.0 0.76 13.8 4.9 91	5 1.36 5 8.8 <0	0.1 0	02 <0.03 05 <0.03 15 <0.6	0.43 NA 0.67 NA 3.9 NA	NA	18.76 (115.6	3.1 0.25 3.1 1.5	5 76.18 5 509.4	3.26 24.8	40.6 <0.6	0.08 <0.03 0.08 <0.03 <0.5	NA NA	73.6	0.00	7.68 NA 49 NA	2.83 19.6	NA NA	-0.5	05 40 03 40 5	48 48 48 48 46 48	<0.03 <0.6		1 4 05 05	0.67 4	Ξ
Particular rocks and 2.4 Up/fer 2.4 Dimitrate barres 2.5 Up/fer 2.5 Dimitrate barres 2.5 Up/fer 2.5	kg <10 -	10 10 10 10		<100 <100 <100 <100 <100 <100 <100	<10 <10 <10 <10	<10 <10 <10 <10	22	10 10 10 10 10	<10 <50 <10 <50 <10 <50 <10 <50	-50	<10 <10 <10 <10 <10		<100 <100 <100 <100 <100 <100 <100	<10		<10 <10 <10 <10	<10 <10	00 <1 00 <1 00 <1 00 <1	10 <100 10 <100 10 <100 10 <100 10 <100	41 41 41	40 40 40 40 40 40	1980		<10 <10 <10 <10		<10 <10 <10 <10 <10	<10 <10 <10 <10 <10 <10 <10 <10 <10 <10		\equiv
2-Nitroanline <10 up/le 3-Nitroanline <10 up/le 4-Netrylphanol <10 up/le 6-Nitroanline <10 up/le	kg <10 kg <10 kg <10	110 110 110		<100 <100 <100 <100	<10 <10 <10	<10 <10 <10		110 110 110 110	<10 <50 <10 <50 <10 <50	40 40 40	<10 <10 <10		<100 <100 <100 <100	c10 c10		<10 <10 <10 <10	<10 <10 <10	2907	10 <100 10 <100 488 <100	<1 <1 <1	3 d0 3 d0 3 d0			<10 <10 <10		<10 <10 <10 <10	<10 <10 <10 <10 <10 <10 <10 <10		Ξ
4-Nitropheros <10 sight ing <10	110 110 110		<100 <100 <100	<10 <10 <10 184	<10 <10 <10		d0 d0 d0	<10 d0 <10 d0 <10 d0 <10 d0	40 40 40	<10 <10 <10 <10 747 <10		<100 <100 <100	<10		<10 <10 <10 1095	<10 <10 <10	00 <1 00 <1	10 <100 10 <100 10 <100 10 <100 1388 6378	41 41 41	30 d0 d0 d0 d0 d0 d0 d0 d0 d0	3472		<10 <10 <10 <10		<10 <10 <10 <10	<10 <10 <10 <10 <10 <10 <10 <10			
Administrative	kg <100 - 100 kg <100 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 kg <10 k	10 1100 1100 110 110		<100 <1000 <1000 <1000 <100 <100	<100 <100 97	<100 <100		10 100 100 10 10	<100 <50 <100 <50 272 <10 <50	0 -500 490 2	<100 <100 429 <10 <10		<100 <100	136 <10		<100 <100 1770	- ISI		100 <1000 100 <1000 1188 13375 10 <100	<1 <1 <1	00 <500 00 <500 20120 0 <50	4577		<100 <100 13		<100 <100 <10 <10	<100 <100 <100 <100 13 <10 <10 <10		
Hexachlorocyclopentadiane	kg <10	10 10 10 10		<100 <100 <100	<10 <10 <10 <10	<10 <10 <10 <10		r10 r10 r10 r10 r10	<10 d0 <10 d0 <10 d0 <10 d0	යා යා යා	<10 <10 <10 <10		<100 <100 <100 <100 <100 <100	0 <10 0 <10		<10 <10 <10 <10	<10 <10 <10 <10 <10 <10 <10	00 d 00 d 00 d 00 d	10 <100 10 <100 10 <100 10 <100	<1 <1 <1	0 d0 0 d0 0 d0			<10 <10 <10 <10		<10 <10 <10 <10	<10 <10 <10 <10 <10 <10 <10 <10 <10 <10		=
	ing <10	10 10 10 10		<100 <100 <100 <1000	<10 <10 <10 <100	<10 <10 <10 <100		r10 r10 r100	<10 d50 <10 d50 <10 d50 <100 d50	ය0 ය0 0 ය00	<10 <10 <10 <100		<100 <100 <100 <100	0 <10 0 <10 00 <100		<10 <10 <10 <100	<16 <16 <16	00 <1 00 <1 000 <1	10 <100 10 <100 10 <100 10 <100	41 41 41	0 ජ0 0 ජ0 0 ජ0 0 ජ00			<10 <10 <10 <10		<10 <10 <10 <100	<10 <10 <10 <10 <10 <10 <10 <10 <100 <100		\equiv
Districts/habities	to <100 - 10	100 100 10 10		<1000 <1000 <100 <100	<100 <100 <10 <10	<100 <100 <10 <10		10	<100 <50 <100 <50 <10 <50 <10 <50	0 400 0 400 40 40	<100 <100 <10 <10		<100 <100 <100 <100	00 <100 0 <10 0 <10		<100 <100 <10 <10		00 <1	100 <1000 100 <1000 10 <100 10 <100	<1 <1 <1	00 -500 00 -500 0 -50 0 -50			<100 <100 <10 <10		<100 <100 <10 <10	<100 <100 <100 <100 <10 <10 <10 <10		=
Interhensia	kg <0.05 <0.05 lg <10	10 A c0.05 19.5	6 40.05 40.05	2100 0.41 6.4 <100	41 0.55 <d< td=""><td>(10 (10 (10</td><td>64 <0.05</td><td>0.34 NA 110</td><td>NA <10 do</td><td>11.27 (50</td><td>125 0.13 <10</td><td>3 38.17</td><td>1.56 1.56</td><td>4.15 3 <10</td><td>0.06 <0.05</td><td>NA <10</td><td>6.18 6.18</td><td>577.17</td><td>3.85 NA 10 <100</td><td>189 <1</td><td>NA</td><td><0.05</td><td>40.05</td><td>40.05 410</td><td><0.05</td><td><10</td><td>11 05 005 005 <10 <10</td><td>0.38</td><td></td></d<>	(10 (10 (10	64 <0.05	0.34 NA 110	NA <10 do	11.27 (50	125 0.13 <10	3 38.17	1.56 1.56	4.15 3 <10	0.06 <0.05	NA <10	6.18 6.18	577.17	3.85 NA 10 <100	189 <1	NA	<0.05	40.05	40.05 410	<0.05	<10	11 05 005 005 <10 <10	0.38	
MCC	ing c5	5 6 8		d d d	d d d	8 8 7		6 6 6	d d	4 4 4	d d d		45 64 64	d d d		d d d	4 6 6	d d	5 U	4 6 6	4 4 4			d d d		d d d	11 d d d d d		=
1.1.1.2-Tetrachlorosthene	10	5 5 8		4	d d d	4 4 8		d d d	4 4 4 4	4 4 8	4 4		4 4 4	ය් ජ ජ		4 4 4	d d	9 9 9	1 0 1 0 1 0 1 0 1 0	4 4 4	d d d			4 4 8	I	d d d	다 다 다 다 다 다 다 다		
Tetrachicrosthane (PCE) <3 (split 1.1.2-Techbrosethane	ing <3 ing <4 ing <6 ing <6	8 24 25 25		4 4 4	4 4 6	4 4 4		d d d	ය ජ ජ ජ ජ	113 o4 o5 o5	26 c3 o4 o5 o5		d d d	d d d		এ ক ক	ol.	22 of d	157 c3 4 o4 5 c5 5 c5	4 4	4 4 4	19		d d d		0 6 6	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		
1.1-Dehlompengerie	ig <3 ig <4 ig <5	3 6 6		य ल ल व	d d d	리 여 성 리		ය ජ ජ	ය ය ජ ජ ජ ජ	ය ජ ජ	d d d		य स स	ය ජ ජ		ය ජ ජ	d ei	38 38	11 d	d	43 44 54	19		d d d		4 4 4	G G G G G G G G G G G G G G G G G G G		
1.2-unitionbersame	83	4 5 6 6		해 건 해 건 라	하 라 라 라	해 건 해 건 이		5 5 6 6	여 여 성 성 성 성	64 64 64 64	64 64 64 64		8 0 8	여 선 선 선		여 선 여 십 이	여 선 여	31 d	6 ol 5 d5 6 ol 3 21 4 ol	4 4	64 65 64 21	11		해 라 해 라		6 6 6 6 6	여 여 선 선 여 여 대 선		=
1.5 (Observations 1.5	ing o4	d d d d d d		8 4 4 4	a a	8 d d		3	. d d d d d	8 8 0 0	d d		6 6 6	6 d d		a a a	9 4 4	4	4 d 3 d 3 d	4 4 4	4 4 4			6 6 6		d d	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		\equiv
Sci 1996	ing c4	04 04 04 07		ol ol ol 27	ot ot ot ot	ot ot ot ot		04 04 04	04 04 04 04 04 04 04 04	ol ol ol 27	04 04 04 04		64 64 64	04 04 04 04		ot ot ot	64 64 64 67	0 0 0	4 o4 o4 o4 o4 o7 o7	64 64 64	e4 e4 e4 e7			64 64 64		04 04 04 07	04 04 04 04 04 04 07 07		=
25 125	ig c4 ig c4 ig c4 ig c4	2 4 4 4		4 4 4	64 64 64	4 4 4 4		ol ol	다 다 다 다 다 다 다 다 다 다 다 다 다 다 다 다 다 다 다	ol ol	64 64 64 63		8 8 8	64 64 64		성 성 성	64 64 64 63	ol ol	4 04	전 전 전 전	04 04			6 6 6		6 6 6	의 의 의 의 의 의 의 의		
trans-1-3-Dichlorcospone c3 sighter	10 <3 10 <3 10 <1 10 <5	3 3 3 1		0 0 0 0	4 4 4	4 4 4		3	0 0 0 0 0 0 0 0	4	0 0 0 0		4 4 4	4 4 4		4 4	4 4 4	0 0	3 d	2 2 2 4	41			00 00 00	I	4 4	4 4 4 4 4 4		
Chicomerbane c3 upfer licenseybanane c3 upfer licenseybanane c3 upfer licenseybanane c3 upfer licenseybanane c4 upfer licenseybananee c4 upfer licenseybananee c4 upfer licenseybananee c4 upfer licenseybananee c4 upfer licenseybananee	10 c3	6 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		4 4 4	4 4 4	4 4 4		3	4 4 4 4	4	a a a		4 4 4	4 4		4 4 4	4 4	16 4	3 3 3 16 2 4 4 64	4 4 4	4 4 4			a a a		4 4 4	a a a a a a a a a a a a a		Ξ
bart-Bubblenzene <5 upder	ing <5	5 2 7		4 4 10	4 4 2 2	4 4 4		3 3 3	6 6 6 6 7 6	4	4 4 4		4 4 4 4	d d d		4 4 4	4 4 7 7	000	5 d 3 d 7 d 5 d	4 4 4	4 4 4			d d d		4 4 4	4 4 4 4 4 4		
In the Architectures	ing <7 ing <7 ing <4 ing <6	2 2 4		√2 √2 ≪4 ≪5	4 4 4	्य य ल ल		7 ol	d d d d d d	<7	d d d		ਹ ਹ ਲ ਨ	47 44 45		त त ल ल	27 27 28 28 28	d d d	7 d7 7 d7 4 d4	2 2 4	27 27			2 2 4 5		27 27 64 65	3 3 3 4 4 4 4 4		
County C3	89 <3 89 <3 80 <4 90 <4	3 3 4		4 4	4 4	4 4 6		94	4 d 4 d	5 c3 c3 c4	4 4 4		4 4 6	4 4 4		4 4		24 62 d 27 69	13 15 3 45 9 16 13 31		21 <3 14 20 38	15 7 14		리 여 여		4 4 4	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		=
- Automate - A	9 c4	6 4 5 6		4 4 4	6 d d	6 6 6 6		명 여 선	6 6 6 6 6 6	4 4 4	45 45 46 46		4 4 4 4	6 6 6		6 6 6	4 4 6	d d	4 d 5 d 4 d	4 4 4	4 4 4			8 8 8		6 6	d d d		=
Asbeston Containing Material (2) Asbeston Containing Material (2) Asbeston Containing Material (2) Consent Description (2) Containing Material (2) Containing Material (2)	None None	Sink Sink Sink Sink Sink Sink Sink Sink	None None SoliStones NAD	None None Solf-tone NAD	None None Soli Store NAD	None None		oli Scott Scott Chillicanus Re VAD	Fibre Bundles Non Non	e None e None stones Soli-Stone) NAD		Fibre Bundles	None None None None	e None None None Sair'su-Rei Soil Stone NAD		Fibre Bundles	ione Nor	ne Ne	one None	None None	None None	None None		None None None		None None	C4	None None	
General Description (Bulk Analysis) None Alabestos Livel Nore Alabestos Screen Nore Alabestos Screen (2) Nore Alabestos Screen (2) Nore	M NAD NAD NAD	CALCANTSM CAD CAD CAD	Soli Stones NAD NAD NAD	SoilStone NAD NAD NAD	Soli/Stone NAD NAD NAD	NAD NAD NAD		SAD SAD SAD	Quantitable NAC Chrysotile NAC NAC	istories Soil/Storie NAD NAD NAD	SoliStone NAD NAD NAD NAD	Ruiz Ristriau Roi Ouantifisible Chrysotile	SOB/Stones	NAD		Suit Statfstude 5 Quartifiable 5 Christotle 5	NAD NAI NAD NAI NAO NAI	D N	ione None Ione None IodiStorieSit Rull-Raina Rul AD NAD AD NAD AD NAD	NAD NAD NAD	NAD NAD NAD NAD	None NAD NAD NAD		Stones/Soil stones NAD NAD NAD		NAD NAD NAD NAD	NAD NAD NAD NAD NAD NAD NAD NAD NAD	NAD NAD NAD NAD	Ξ
Umra																													_

	Name	Date
Author:	WH	11/03/2016

Determinant	Unit	Molmum	Maximum	Count	Source	*Guideline Value (Commerical TOC 0.58 to 3.48%)	Exceeds s of AEC GACs
	_					0.58 to 3.48%)	GAC
Americ	maka	<l00< td=""><td>66.7</td><td>42</td><td>LOMCIEH SAULs 2014 LOMCIEH SAULs 2014</td><td>640 marka 190 marka</td><td></td></l00<>	66.7	42	LOMCIEH SAULs 2014 LOMCIEH SAULs 2014	640 marka 190 marka	
Cadmium Hexavalent Chromium	maka maka	<l00< td=""><td>4.00</td><td>16</td><td>LOMCIEH S4ULs 2014</td><td>33 ma/ka</td><td></td></l00<>	4.00	16	LOMCIEH S4ULs 2014	33 ma/ka	
Chromium III Chromium	maka maka	<l00< td=""><td>87.3 93</td><td>16 39</td><td>LOMCIEH SAULs 2014 LOMCIEH SAULs 2014</td><td>8600 maka 8600 maka</td><td></td></l00<>	87.3 93	16 39	LOMCIEH SAULs 2014 LOMCIEH SAULs 2014	8600 maka 8600 maka	
Copper Lead	maka maka	<l00< td=""><td>180 947</td><td>42 39</td><td>LOMCIEH S4ULs 2014 Defra C4SL 12/2014</td><td>68000 marka 2300 marka</td><td></td></l00<>	180 947	42 39	LOMCIEH S4ULs 2014 Defra C4SL 12/2014	68000 marka 2300 marka	
Mercury	maka maka	<l00< td=""><td>6.5 6.5</td><td>42 42</td><td>LOMCIEH SAULs 2014 LOMCIEH SAULs 2014 LOMCIEH SAULs 2014 LOMCIEH SAULs 2014 LOMCIEH SAULs 2014</td><td>58 maka 1100 maka</td><td></td></l00<>	6.5 6.5	42 42	LOMCIEH SAULs 2014 LOMCIEH SAULs 2014 LOMCIEH SAULs 2014 LOMCIEH SAULs 2014 LOMCIEH SAULs 2014	58 maka 1100 maka	
Nickel Selenium	maka maka	<l00 <l00< td=""><td>64.9</td><td>39 42</td><td>LOMCIEH SAULs 2014 LOMCIEH SAULs 2014</td><td>980 ma/ka 12000 ma/ka</td><td>-</td></l00<></l00 	64.9	39 42	LOMCIEH SAULs 2014 LOMCIEH SAULs 2014	980 ma/ka 12000 ma/ka	-
Vanadum Zinc	maka maka	<000 <000	22 425	39 39	LOMCIEH S4ULs 2014	730000 mg/kg 730000 mg/kg 9000 mg/kg	
Water Soluble Boron Non Metals	maka	<l00< td=""><td>4</td><td>42</td><td>LOMCIEH SAULs 2014</td><td>240000 mg/kg</td><td></td></l00<>	4	42	LOMCIEH SAULs 2014	240000 mg/kg	
Total Cyanide	marka nHumbs	<l00< td=""><td>9.6 12.46</td><td>31</td><td>USEPA RSL LOD</td><td>12 mg/kg</td><td></td></l00<>	9.6 12.46	31	USEPA RSL LOD	12 mg/kg	
Total Organic Carbon TPM compounds	%	<000	14.2		100	100	
TPH compounds Benzone	uoko	<l00< td=""><td>35</td><td>21</td><td>LOMCIEH SAULs 2014</td><td>27000 uaka</td><td></td></l00<>	35	21	LOMCIEH SAULs 2014	27000 uaka	
Toluene Ethylbenzene	upiko upiko	<l00 <l00< td=""><td>42 24</td><td>21 21</td><td>LOMCIEH SAULs 2014 LOMCIEH SAULs 2014</td><td>56000000 up/kg 5700000 up/kg</td><td></td></l00<></l00 	42 24	21 21	LOMCIEH SAULs 2014 LOMCIEH SAULs 2014	56000000 up/kg 5700000 up/kg	
o-Xylene mip-Xylene	uoko uoko	<1.00	70 93	21 21	LOMCIEH SAULs 2014 LOMCIEH SAULs 2014	6600000 upika 5900000 upika	-
MTBE	ugiko	<l00< td=""><td>4.00</td><td>20</td><td>EIC/AGS/CL-AIRE</td><td>7900000 ug/kg</td><td></td></l00<>	4.00	20	EIC/AGS/CL-AIRE	7900000 ug/kg	
Alighatics >CS-C8 Minhatics >CR-C8	maka	<l00< td=""><td>4.00</td><td>41 42</td><td>LOMCIEH SAULs 2014 LOMCIEH SAULs 2014 LOMCIEH SAULs 2014</td><td>3200 maka 7800 maka</td><td></td></l00<>	4.00	41 42	LOMCIEH SAULs 2014 LOMCIEH SAULs 2014 LOMCIEH SAULs 2014	3200 maka 7800 maka	
Alighatics >C8-C10 Alighatics >C10,C12	maka maka	<l00 <l00< td=""><td>0.5 5.2</td><td>42</td><td>LOMCIEH SAULs 2014 LOMCIEH SAULs 2014</td><td>2000 maka 9700 maka</td><td></td></l00<></l00 	0.5 5.2	42	LOMCIEH SAULs 2014 LOMCIEH SAULs 2014	2000 maka 9700 maka	
Aliphatics >C12-C16 Aliphatics >C16-C21	maka	<l00< td=""><td>23 111</td><td>42 42</td><td>LOMCIEH SAULs 2014 LOMCIEH SAULs 2014</td><td>9700 maka 59000 maka 1600000 maka</td><td></td></l00<>	23 111	42 42	LOMCIEH SAULs 2014 LOMCIEH SAULs 2014	9700 maka 59000 maka 1600000 maka	
Alichetics >C21-C35 Total alichetics C5-35	maka maka	<100	436 848	42 42	LOMCIEH S4ULs 2014	1600000 make 1600000 make	
Aromatics >C5-EC7	maka	<l00< td=""><td>100</td><td></td><td></td><td></td><td></td></l00<>	100				
Aromatics >EC7-EC8	maka maka	<100 <100	4.00	41 42	LOMCIEH SAULs 2014 LOMCIEH SAULs 2014	26000 maka 56000 maka	
	maka	<l00< td=""><td>0.2 22.9</td><td>42 42</td><td>LOMCIEH SAULs 2014</td><td>3500 mg/kg 16000 mg/kg 36000 mg/kg 28000 mg/kg</td><td></td></l00<>	0.2 22.9	42 42	LOMCIEH SAULs 2014	3500 mg/kg 16000 mg/kg 36000 mg/kg 28000 mg/kg	
Acomatica > EC10-EC12 Acomatica > EC12-EC18 Acomatica > EC16-EC21 Acomatica > EC16-EC21 Acomatica > EC21-EC35	maka maka	400 400	467 3055	42 42	LOMCIEH SAULs 2014 LOMCIEH SAULs 2014 LOMCIEH SAULs 2014 LOMCIEH SAULs 2014 LOMCIEH SAULs 2014	16000 marka 36000 marka 28000 marka	
	maka maka	<l00< td=""><td>5438 9526</td><td>42 42</td><td>LOMCIEH SAULs 2014 LOMCIEH SAULs 2014 LOD</td><td>28000 malka 28000 malka</td><td></td></l00<>	5438 9526	42 42	LOMCIEH SAULs 2014 LOMCIEH SAULs 2014 LOD	28000 malka 28000 malka	
Total aliphatics and aromatics (C5-35) PCBs	maka	<l00< td=""><td>2279</td><td>42</td><td>100</td><td>100</td><td></td></l00<>	2279	42	100	100	
PCB101 PCB118	uoko	<l00< td=""><td>4.00</td><td>21</td><td>LOD LOD</td><td>LOD</td><td></td></l00<>	4.00	21	LOD LOD	LOD	
PC8138	uoko	4100 4100	4.00	21	100	LOD	
PC8153 PC8180 PC828	upko upko	<l00< td=""><td>4.00</td><td>21</td><td>L00 L00</td><td>LOD LOD</td><td></td></l00<>	4.00	21	L00 L00	LOD LOD	
PCB52	uoko	<l00< td=""><td><l00< td=""><td>21 21</td><td>LOD</td><td>LOD</td><td></td></l00<></td></l00<>	<l00< td=""><td>21 21</td><td>LOD</td><td>LOD</td><td></td></l00<>	21 21	LOD	LOD	
Total 7 PCBs Ptendi	ug/kg	<l00< td=""><td><100</td><td>21</td><td>1.00</td><td>LOD</td><td></td></l00<>	<100	21	1.00	LOD	
Phenol 2.4-Dichlorophenol	uoko	<lod <lod< td=""><td>198 <lod< td=""><td>39 39</td><td>LOMCIEH S4ULs 2014 AGAC</td><td>440000 upika 2500000 upika</td><td></td></lod<></td></lod<></lod 	198 <lod< td=""><td>39 39</td><td>LOMCIEH S4ULs 2014 AGAC</td><td>440000 upika 2500000 upika</td><td></td></lod<>	39 39	LOMCIEH S4ULs 2014 AGAC	440000 upika 2500000 upika	
2.4.5-Trichlorophenol 2.Chlorophenol	uoko uoko	<l00< td=""><td>400 400</td><td>39 39</td><td>AGAC</td><td>82000000 upko</td><td></td></l00<>	400 400	39 39	AGAC	82000000 upko	
2-Methylphenol 2-Nitrophenol	upko	<000 <000	4.00 4.00	39	AGAC AGAC	160000000 ualka	
4-Chioro-3-methylphenol	ugika	<l00< td=""><td>4L00</td><td>39 39</td><td>LOD</td><td>LOD 82000000 upkp</td><td></td></l00<>	4L00	39 39	LOD	LOD 82000000 upkp	
4-Methylphenol 4-Nercohenol	uoko uoko	<100	4.00	39 39	LOD	LOD	
2.4-Dimethylohenol 2.4.5-Trichlorophenol	uoko uoko	<100	4LOD 3030	39 39	LOD AGAC	16000000 upka 210000 upka	
Poly Aromatic Hydrocarbona Acenaphthere	maka	<l00< td=""><td>222.46</td><td>-41</td><td>LOMCIEH SAULs 2014</td><td>84000 ma/ka</td><td></td></l00<>	222.46	-41	LOMCIEH SAULs 2014	84000 ma/ka	
Acensohthylene Anthracene	maka maka	<l00< td=""><td>10.58 383.51 591.71</td><td>38</td><td>LOMCIEH SAULs 2014 LOMCIEH SAULs 2014</td><td>83000 mg/kg 520000 mg/kg</td><td>-</td></l00<>	10.58 383.51 591.71	38	LOMCIEH SAULs 2014 LOMCIEH SAULs 2014	83000 mg/kg 520000 mg/kg	-
Berzo (a) Anthracene Berzo (a) Purene			591.71 649.52	38 41 41	LOMCIEH SAULs 2014 LOMCIEH SAULs 2014		
Benzo (a) Anthracens Benzo (a) Pyrens Benzo (k)fluoranthens Benzo (k)fluoranthens	maka maka maka	<100 <100	649.52 224.45 801.62	41	LOMCIEH SAULs 2014 LOMCIEH SAULs 2014 LOMCIEH SAULs 2014 LOMCIEH SAULs 2014	35 make 1200 make 1200 make	
Benzolb'fluorenthene Benzo (ghi) perylene	maka maka	<l00< td=""><td>577.17 301.71</td><td>41</td><td>LOMCIEH SAULs 2014 LOMCIEH SAULs 2014</td><td>44 marka 3900 marka</td><td></td></l00<>	577.17 301.71	41	LOMCIEH SAULs 2014 LOMCIEH SAULs 2014	44 marka 3900 marka	
Chrysene Dibenzo (sh) Anthracene	maka maka	<l00< td=""><td>628.96 58.58</td><td>41</td><td>LOMCIEH SAULs 2014 LOMCIEH SAULs 2014</td><td>350 maka 35 maka</td><td></td></l00<>	628.96 58.58	41	LOMCIEH SAULs 2014 LOMCIEH SAULs 2014	350 maka 35 maka	
Puoranthene Pluorant	maka maka	<100	1312.54 175.01	41		23000 make 63000 make	
Indeno (123cd) pyrene	maka	<l00< td=""><td>317.37</td><td>41</td><td>LOMCIEH S4ULs 2014</td><td>500 maka</td><td></td></l00<>	317.37	41	LOMCIEH S4ULs 2014	500 maka	
Nichthelene Phenanthrene	maka maka	<l00< td=""><td>21.42 1260.46</td><td>41 41</td><td>LOMCIEH SAULs 2014 LOMCIEH SAULs 2014</td><td>190 maka 22000 maka</td><td></td></l00<>	21.42 1260.46	41 41	LOMCIEH SAULs 2014 LOMCIEH SAULs 2014	190 maka 22000 maka	
Pyrane SVOCs	maka maka	<100	1372.58 8088	41 38 41	LOMCIEH SAULs 2014	54000 malka	
Pertachioropherol	uoko	<l00< td=""><td>4.00</td><td>22</td><td>LOMCIEH SAULs 2014 EICAGS/CL:AIRE</td><td>400000 upika 3700000 upika</td><td></td></l00<>	4.00	22	LOMCIEH SAULs 2014 EICAGS/CL:AIRE	400000 upika 3700000 upika	
2.4-Dintrotoluene 2.6-Dintrotoluene	upko	<l00< td=""><td>4.00</td><td>22 22</td><td>EIC/AGS/CL:AIRE</td><td>19000000 unika</td><td></td></l00<>	4.00	22 22	EIC/AGS/CL:AIRE	19000000 unika	
2-Chiororaphthalene 2-Methylosohthalene	uoko	<000 <000	-LOD 121597	22	EIC/AGS/CL-AIRE USEPA RSL	390000 uaka 164200 uaka	
2-Nitroanline 3-Nitroanline	uoko uoko	<l00< td=""><td>4.00</td><td>22 22</td><td>USEPA RSL LOD</td><td>LOD upika</td><td>-</td></l00<>	4.00	22 22	USEPA RSL LOD	LOD upika	-
4-Methylphenol 4-Ntroanline	ugko	<l00< td=""><td>2907 <lod< td=""><td>22 22</td><td>USEPA RSL</td><td>LOD 110000 ug/kg</td><td></td></lod<></td></l00<>	2907 <lod< td=""><td>22 22</td><td>USEPA RSL</td><td>LOD 110000 ug/kg</td><td></td></lod<>	22 22	USEPA RSL	LOD 110000 ug/kg	
4-Nitrophenol Azoberozene	ug/kg	<l00< td=""><td>4.00 4.00</td><td>22 22</td><td>LOD USEPA RSL</td><td>26000 ug/kg</td><td>-</td></l00<>	4.00 4.00	22 22	LOD USEPA RSL	26000 ug/kg	-
Bis/2-chloroethon/methane Cartramia		<100	4000	22 22	100	100	
Carbazole Di-n-butylphthalate Di-n-octylphthalate	uaka uaka uaka	<l00< td=""><td>4.00 4.00</td><td>22</td><td>LOD EIC/AGS/CL:AIRE EIC/AGS/CL:AIRE</td><td>LOD 15000000 ug/kg 89000000 ug/kg 1000000 ug/kg</td><td></td></l00<>	4.00 4.00	22	LOD EIC/AGS/CL:AIRE EIC/AGS/CL:AIRE	LOD 15000000 ug/kg 89000000 ug/kg 1000000 ug/kg	
Dibenzofuran Hexachlorobergene	uoko	<l00< td=""><td>72535 <lod< td=""><td>22</td><td>USEPA RSL LOMCIEH SAULs 2014</td><td>1000000 up/kg 110000 up/kg</td><td></td></lod<></td></l00<>	72535 <lod< td=""><td>22</td><td>USEPA RSL LOMCIEH SAULs 2014</td><td>1000000 up/kg 110000 up/kg</td><td></td></lod<>	22	USEPA RSL LOMCIEH SAULs 2014	1000000 up/kg 110000 up/kg	
Hexachlorocyclopertadiene Bis/2-chloroethyllether	uoko uoko	<100	4.00	22 22	USEPA RSL USEPA RSL	7500 uaka 2500000 uaka	
4-Chiorosniine Nitrobergene	uo/ko uo/ko	<l00< td=""><td>4.00</td><td>22 22</td><td>LOD LISEPA RSI</td><td>LOD 22000 uaka</td><td></td></l00<>	4.00	22 22	LOD LISEPA RSI	LOD 22000 uaka	
Isophorone	uoko	<l00< td=""><td>4.00</td><td>22</td><td>USEPA RSL</td><td>2400000 up/kp</td><td></td></l00<>	4.00	22	USEPA RSL	2400000 up/kp	
Hexachlorobutations Hexachloroethans Statilization (statilization)	uoko	<100 <100	4.00	22 22	LOMCIEH SAUL » 2014 EIC/AGS/CL-AIRE	31000 upkp 22000 upkp	
District Order Transite District Addition	uoko uoko	400	400 400 400	22 22	EICAGS/CLAIRE	150000000 upike	
umernyl phthatate 4-Bromoohenylohenylether	ugka	<f00< td=""><td>4.00</td><td>22 22</td><td>USEPA RSL</td><td>LOD 400000 up/kg</td><td></td></f00<>	4.00	22 22	USEPA RSL	LOD 400000 up/kg	
1.2.4-Trichlorobergene 1.3-Dichlorobergene	ualka ualka	<l00< td=""><td>400 400</td><td>22 22</td><td>LOMCIEH SAULs 2014 LOD</td><td>220000 upiko LOD</td><td></td></l00<>	400 400	22 22	LOMCIEH SAULs 2014 LOD	220000 upiko LOD	
Benzolb/fizoranthene 4-Chlorophenylphenylether VOCs	marka uarka	<100	577.17 4.00	41 22	LOMICIEH SAUL» 2014 AGAC	44 mg/kg LOD	
Viryl Chloride	uoko	<l00< td=""><td>4.00</td><td>22</td><td>100</td><td>LOD</td><td></td></l00<>	4.00	22	100	LOD	
Viryl Chloride Trichloroethene (TCE) Carbon tetrachloride	uoko	<000 <000	4.00	22 22	LOD	LOD 2900 upka	
Chlorobenzene	uoko	<l00< td=""><td>4.00</td><td></td><td>LOMCIEH SAULs 2014</td><td></td><td></td></l00<>	4.00		LOMCIEH SAULs 2014		
Criorcom 1.1.1.2 Tetrachiorosthane 1.1.1-Trichiorosthane 1.3-Dichiorobergane	upko		4.00	22	LOMCIEH SAULs 2014		
1.3-Dichlorobenzene 1.4-Dichlorobenzene	upko upko upko	400	400 400 400	22 22 22 22	LOMCIEH SAULs 2014 LOMCIEH SAULs 2014 LOMCIEH SAULs 2014 LOMCIEH SAULs 2014 LOMCIEH SAULs 2014	56000 ualka 99000 ualka 110000 ualka 660000 ualka	
LATERAL SOCCOUNTERS	uaka uaka uaka uaka uaka	4.00 4.00 4.00	4.00 4.00 4.00 4.00	22	LOMCIEN SAULs 2014 LOMCIEN SAULs 2014 LOMCIEN SAULs 2014 LOMCIEN SAULs 2014 LOMCIEN SAULs 2014 LOMCIEN SAULs 2014 LOMCIEN SAULs 2014		
Tetrachloroethene (PCE) 1.1.2-Trichloroethene	uaka uaka uaka uaka	400 400	4.00 157 4.00	22 22 22	LOMCIER SRIS 2014 LOMCIER SRIS 2014 LOMCIER SRIS 2014 LOMCIER SRIS 2014 LOMCIER SRIS 2014 LOMCIER SRIS 2014 LOMCIER SRIS 2014 LOMCIER SRIS 2014 LOMCIER SRIS 2014 LOMCIER SRIS 2014 LOMCIER SRIS 2014 LOMCIER SRIS 2014	56000 upike 92000 upike 110000 upike 680000 upike 4400000 upike 4400000 upike 12000 upike 94000 upike	
Tetrachlorosthene (PCE) 1.1.2-Trichlorosthene 1.1-Dichlorosthene 1.1-Dichlorosthene 1.1-Dichlorosthene (1.1 DCE)	uaka uaka uaka uaka uaka uaka	4100 4100 4100 4100	4.00 157 4.00 4.00 4.00	22 22 22 22 22 22	I CAMCIEN SEUIS 2014 I CAMCIEN	56000 uping 92000 uping 110000 uping 660000 uping 30000 uping 440000 uping 12000 uping 94000 uping 240000 uping 12000 uping	
Tetrachiocosthere (PCE) 1.12-Trichiocosthere 1.1-Dichiocosthere 1.1-Dichiocosthere 1.1-Dichiocosthere 1.1-Dichiocosthere 1.1-Dichiocosthere 1.2-Trichiocosthere 1.2-Trichiocosthere	uaka uaka uaka uaka uaka	400 400 400	4.00 4.00 4.00	22 22 22	I LOMICIPH SHIRE 2014 I LOMICIPH SHIRE 2014	58000 uplep 29000 uplep 110000 uplep 580000 uplep 580000 uplep 4400000 uplep 19000 uplep 280000 uplep 280000 uplep 10000 uplep 10000 uplep 10000 uplep	
Tetrachiorosthere (PCE) 1.1.2-Tichiorosthere 1.1-Dichiorosthere 1.1-Dichiorosthere (1.1 DCE) 1.1-Dichiorosthere (1.1 DCE)	uaka uaka uaka uaka uaka uaka uaka	400 400 400 400 400	4.00 4.00 4.00 4.00 4.00 4.00 4.00 54	22 22 22 22 22 22 22 22 22 22 22 22 22	1.09AC/ER SEILS 2014 1.00AC/ER	55000 uples 20000 uples 110000 uples 550000 uples 550000 uples 40000 uples 20000 uples 20000 uples 1000 1000 1000 1000 1000 1100 uples 2000 uples 2000 uples 1000 110 uples 25000 uples 1000 110 uples 25100 uples	
Tetrachiocosthere (PCE) 1.12-Trichiocosthere 1.1-Dichiocosthere 1.1-Dichiocosthere 1.1-Dichiocosthere 1.1-Dichiocosthere 1.1-Dichiocosthere 1.2-Trichiocosthere 1.2-Trichiocosthere	uaka uaka uaka uaka uaka uaka uaka	400 400 400 400 400	4.00 4.00 4.00 4.00 4.00 4.00 4.00 54	22 22 22 22 22 22 22 22 22 22 22 22 22	1.09AC/ER SEILS 2014 1.00AC/ER	\$9000 uples 20000 uples 110000 uples 110000 uples 110000 uples 500000 uples 150000 uples 120000 uples 120000 uples 120000 uples 120000 uples 120000 uples 120000 uples 1200000 uples 1200000000 uples 120000000 uples 12000000000000000000000000000000000000	
Tetrachiocosthere (PCE) 1.12-Trichiocosthere 1.1-Dichiocosthere 1.1-Dichiocosthere 1.1-Dichiocosthere 1.1-Dichiocosthere 1.1-Dichiocosthere 1.2-Trichiocosthere 1.2-Trichiocosthere	uphe uphe uphe uphe uphe uphe uphe uphe	400 400 400 400 400	400 157 400 400 400 400 400	22 22 22 22 22 22 22 22 22 22 22 22 22	1.00AC/EPH 54818.2024 1.00AC/EPH 54818.2024 1.00AC/EPH 54818.2024 1.00AC/EPH 54818.2024 1.00AC/EPH 54818.2024 1.00AC/EPH 54818.2024 1.00AC/EPH 54818.2024 1.00AC/EPH 54818.2024 1.00AC/EPH 54818.2024 1.00AC/EPH 54818.2024 1.00AC/EPH 54818.2024 1.00AC/EPH 54818.2024 1.00AC/EPH 54818.2024 1.00AC/EPH 54818.2024 1.00AC/EPH 54818.2024 1.00AC/EPH 54818.2024 1.00AC/EPH 54818.2024 1.00AC/EPH 54818.2024 1.00AC/EPH 54818.2024	55000 uples 20000 uples 110000 uples 550000 uples 550000 uples 40000 uples 20000 uples 20000 uples 1000 1000 1000 1000 1000 1100 uples 2000 uples 2000 uples 1000 110 uples 25000 uples 1000 110 uples 25100 uples	
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Tetrachicostrac (PCE) 11.2 Tetritoricostrac (PCE) 11.2 Tetritoricostrac 11.2 Tetritoricostrac 11.2 Tetritoricostrac 11.2 Tetritoricostrac 12.3 Tetritoricostrac 12.3 Tetritoricostrac 12.3 Tetritoricostrac 12.3 Tetritoricostrac 12.3 Tetritoricostrac 12.3 Tetritoricostrac 12.3 Tetritoricostrac 12.3 Tetritoricostrac 12.3 Tetritoricostrac 12.3 Tetritoricostrac 13.3 Tetritorico	uphe uphe uphe uphe uphe uphe uphe uphe	4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00	4.00 157 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00	22 22 22 22 22 22 22 22 22 22 22 22 22	LOSACIENT SERIA 20154 LOSACIENT SERIA 20154	55000 ugiku 55000 ugiku 50000 ugiku 110000 usiku 110000 usiku 15000 usiku 1	
Tetrachicontrac (PCE) 11.2 Institucentura 11.2 Institucentura 11.2 Institucentura 11.2 Institucentura 11.2 Institucentura 11.2 Institucentura 11.2 Institucentura 11.2 Institucentura 12.2 Institucentura 12.2 Institucentura 12.2 Institucentura 12.2 Institucentura 12.2 Institucentura 13.2 Institucentura 13.2 Institucentura 13.2 Institucentura 13.2 Institucentura 13.2 Institucentura 13.3	uphp uphp uphp uphp uphp uphp uphp uphp	4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00	400 157 400 400 400 400 400 400 400 400 400 40	22 22 22 22 22 22 22 22 22 22 22 22 22	LI GARGINE GABA DOTA CONSCIENTA GABA DOTA LI GARGINE GABA DOTA	58000 uple 58000 uple 110000 uple 110000 uple 110000 uple 120000 uple	
Testabliosofters (PCE) 11.2 Testabliosofters (PCE) 11.2 Testabliosofters 11.2 Testabliosofters 11.3 Cestabliosofters 11.3 Cestabliosofters 11.3 Cestabliosofters 11.3 Cestabliosofters 12.3 Testabliosofters 12.3 Cestabliosofters 12.3 Cestabliosofters 12.3 Cestabliosofters 12.3 Cestabliosofters 12.3 Cestabliosofters 13.5 Testabliosofters 13.5 Testabliosofters 13.5 Testabliosofters 13.5 Testabliosofters 12.3 Cestabliosofters 12.3 Cestabliosofters 13.5 Testabliosofters 12.3 Cestabliosofters 13.5 Cestablios	uphe uphe uphe uphe uphe uphe uphe uphe	400 400 400 400 400 400 400 400 400 400	4:00 157 4:00	22 22 22 22 22 22 22 22 22 22 22 22 22	CAMPATE SABA 2014 CAMP	59000 uple 59000 uple 110000 uple 110000 uple 110000 uple 1400000 uple 50000 uple	
"Stantisticostructiva (PCD) 1.1. Transisticostructiva (Transisticostructiva (Transistic	uphp uphp uphp uphp uphp uphp uphp uphp	4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00	4:00 4:00	22 22 22 22 22 22 22 22 22 22 22 22 22	CAMPATE SABA 2014 CAMP	50000 uple 50000 uple 110000 uple 110000 uple 110000 uple 110000 uple 10000 uple 15000 uple	
"Interdisonation (PCD) 11-10-10-10-10-10-10-10-10-10-10-10-10-1	uphp uphp uphp uphp uphp uphp uphp uphp	4.00 4.00	4.00 157 4.00 4.00 4.00 54 4.00 54 4.00 4.00 4.0	22 22 22 22 22 22 22 22 22 22 22 22 22	CAMACHE AND A STATE	#80000 uiphe	
"Smitzenier PCF 12 12 Notember PCF 12 12 Notember PCF 12 12 Notember 12 Notember 12	uphp uphp uphp uphp uphp uphp uphp uphp	4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00	4:00 4:00	22 22 22 22 22 22 22 22 22 22 22 22 22	CAMACHE AND A STATE	50000 uple 5000 ple 500000 uple 500000000000 uple 500000000000000000000000000000000000	
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Capabilities on project:

Appendix E – Controlled Waters Screening Assessment

> Threshold Value
> 2x Threshold Value
> 10 x Threshold value

Exploratory Hole			BH102	BH108	BH108	BH111	BH112	HP01	HP02	WS204	WS205	WS206	WS210	WS211	WS212	WS214	WS220	WS220	WS22
Depth			2	1	4	0.20-0.40	1	0.2	0.2	0.2	0.5	0.5	1	0.2	1	0.5	0.2	1	1
			Glacial																
Target			Sands and	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Ground	Made Gr
Strata Logs			Gravels Gravel	Gravel	Gravel	Gravel	Gravel	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sano
Determinant Metals	Unit																		
Arsenic #N/A	ug/l #N/A	<2.5 #N/A	<2.5 #N/A	#N/A	#N/A	#N/A	5.9 #N/A	#N/A	#N/A	#N/A	<2.5 #N/A	#N/A	#N/A	3.5 #N/A	#N/A	3.9 #N/A	#N/A	79.1 #N/A	#N/
#N/A Cadmium	#N/A ug/l	#N/A <0.5	#N/A	#N/A	#N/A	#N/A	#N/A <0.5	#N/A	#N/A <0.5	#N/A	#N/A	#N/A	#N/A <0.5	#N/A <0.5	#N/A	#N/A	#N/A	#N/A	#N//
Hexavalent Chromium	mg/l	< 0.006	40.0	0.02	<0.006	0.006	50.0	<0.006	<0.006	10.0	50.0	40.0	<0.006	10.0	10.0	10.0	10.0	10.0	<0.006
Chromium III Chromium	ma/l ug/l	<0.006 <1.5	<1.5	<0.006 25.4	7.9	<0.006	<1.5	6.1	6.5	<1.5		<1.5		<1.5	3.6	<1.5	3.9		
Copper Lead	ug/l Ug/l	<7	<7 <5	<7 23	<7 <5	<7 <5	<7 <5	10	14 10	<7		<7 <5	<5		<7	<7 <5			<7 <5
Mercury Mercury	ug/l ug/l	<1 <1	<1	<1	<1	<1	<1		<1 <1	<1	<1	<1 <1		<1	<1	<1 <1	<1	<1	<1
Nickel	ug/l	<2	<2	6	5		<2	4	5	<2	4	<2	<2	<2	<2	<2	<2	<2	<2
Selenium Vanadium	ug/l ua/l	<3 <1.5	<3 10.2	<3	<3	<3	<3 4.6	39.8	<3 22.6	<3 3.7	5.3	3.7	5.1	3.5	<3 6.8	5.2	<3 1.7	<3 9.4	ব্য
#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/
#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A	#N/A #N/A	#N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/
#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/
činc Boron	ug/l ug/l	<3 <12	<12	13	15	<12	64	10 187	50	<12	<12	23	61		<3 <12	<12	<12	28	<12
Non Metals #N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/
Total Cyanide	mg/l #N/A	<0.01 #N/A	<0.01 #N/A	0.08 #N/A	<0.01 #N/A	<0.01 #N/A	NA #N/A	<0.01 #N/A	<0.01 #N/A	#N/A	<0.01 #N/A	<0.01 #N/A	<0.01 #N/A	#N/A	#N/A	#N/A	#N/A	#N/A	<0.01 #N/
#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/
#N/A	#N/A pH units	#N/A <0.01	#N/A 9.49	#N/A 7.94	#N/A 8.61	#N/A 7.57	#N/A 8.26	#N/A 9.7	#N/A 8.62	#N/A 8.46	#N/A 10.99	#N/A 8.59	#N/A 7.9	#N/A 8.45	#N/A 11.55	#N/A 8.51	#N/A 8.56	#N/A 8.25	#N/
#N/A Dissolved Organic Carbon	#N/A mg/l	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A NA	#N/A	#N/A	#N/A	#N/A	#N/A NA	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/
#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/
#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/
#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A	#N/A	#N/A #N/A	#N/
TPH compounds	ug/l	<1	<1	<1	4	4	4			<1	4	<1	4	<1	4	4	<1	<1	4
lenzene 'oluene	ug/l	<2	<2	<2	<2		<1 <2	<2	<2	<2		<2		<2		<2	<2	<2	<1 <2
thylbenzene -Xylene	ug/l ug/l	<2 <2	<2	<2	<2 <2	<2 <2	<2	<2	<2	<2 <2	<2	<2	<2	<2	<2 <2	<2	<2	<2	<2 <2
n/m-Xvlene Methyl Tertiary Butyl Ether	ua/l ug/l			<3 <1	<3 <1	<3 <1	<3 <1	<3	<3	<3 <1					<3 <1	<3 <1	<3 <1	<3 <1	<3 <1
Aliphatics Ali_>C5-C6	ug/l			<5	<5	45	<5			<5			<5		45	45			<5
Ali_>C6-C9	ug/l	<5	<5						<5	<5	<5	<5			<5	-5		<5	45
Ali_>C8-C11 Ali_>C10-C13	ug/l ug/l	<5 <5			<5 <5		<5 <5		<5 <5	<5 <5		<5 <5		<5 <5	<5 <5	<5 <5	<5 <5		ර ර
Ni_>C12-C17 Ni >C16-C22	ug/l ug/l	<10			<10 <10	<10		<10	<10	<10 <10		<10	<10	<10	<10 <10	<10 <10			<10 <10
li >C21-C36 liphatics >C35-C44	ua/l	<10 <10		<10	<10	<10		<10	<10	<10 <10	<10 <10	<10	<10	<10	<10 <10	<10	120	<10	<10 <10
romatics																			
urom_>EC5-EC7 urom_>EC7-EC9	ug/l ug/l	-5 -5	<5	<5	<5 <5	ර ර	<5	<5	<5	<5 <5	<5	<5	<5	<5	6	<5 <5	<5	<5	<5 <5
Arom_>EC8-EC11 Arom_>EC10-EC13	ug/l ug/l	45 45			<5 <5		<5 <5			<5 <5				45 45		45 45	-d -d		<5 <5
rom_>EC12-EC17	ug/l	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	10	<10	170	<10	<10 <10
rom >EC16-EC22 rom_>EC21-EC36	ug/l	<10 <10	<10		<10	<10	<10	<10	<10	<10 <10	<10	<10	<10		<10	<10 <10		<10	<10
romatics >EC35-EC44 PH (C8-C40)	ug/l ug/l	<10 <10	<10 <10	<10 <10	<10 <10	<10 <10	<10 <10	<10 <10	<10 <10	<10 <10	<10 <10	<10 <10	<10 <10	<10 <10	<10 85	<10	270 2560	<10 <10	<10 <10
otal 7 PCBs	ug/l	<0.7	NA		<0.7	<0.7	<0.7		<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7		<0.7
CB 101 #N/A	ug/l #N/A	<0.1 #N/A	NA #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/
#N/A	#N/A	#N/A	#N/A	#N/A	#N/A #N/A	#N/A #N/A	#N/A	#N/A	#N/A	#N/A	#N/A #N/A	#N/A	#N/A #N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/
PCB 118 #N/A	ua/l #N/A	<0.1 #N/A	NA #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/
#N/A PCB 138	#N/A ug/l	#N/A <0.1	#N/A NA	#N/A <0.1	#N/A	#N/A	#N/A <0.1	#N/A	#N/A <0.1	#N/A <0.1	#N/A	#N/A	#N/A <0.1	#N/A <0.1	#N/A <0.1	#N/A	#N/A <0.1	#N/A <0.1	#N/
PCB 153 #N/A	ug/l #N/A	<0.1 #N/A	NA #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/
#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/
#N/A #N/A	#N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A	#N/A	#N/A #N/A	#N/.
PCB 180 #N/A	ua/l #N/A	<0.1 #N/A	NA #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/A	<0.1 #N/
PCB 28 PCB 52	l/gu l/gu	<0.1	NA NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A	#N/A	#N/A #N/A	#N/
#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A		men	#N/A	
Phenol Phenol	21671													mer.	mier.	#N/A	#N/A	#IN/A	#N/
2-Chlorophenol	ua/l	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1	<20	<1	#N/A	<1	<1	#N/. #N/.
	ua/l ug/l	<1	<1	<1	<1 <1		<1	<1	<1	<1	<1	<1	<1	<20 <20	ব ব	ব ব	<1 <1	<1 <1	#N/.
2-Methylphenol 2,4-Dichlorophenol	ug/l ug/l ug/l	<1 <0.5 <0.5	<1 <0.5 <0.5	<1 <0.5 <0.5	<1 <1 <0.5 <0.5	<0.5 <0.5	<1 <0.5 <0.5	<1 <0.5 <0.5	<1 <0.5 <0.5	<1 <0.5 <0.5	<1 <0.5 <0.5	<1 <0.5 <0.5	<1 <0.5 <0.5	<20 <20 <10.0 <10.0	<1 <1 <0.5 <0.5	<1 <1 <0.5 <0.5	<1 <1 <0.5 <0.5	<1 <1 <0.5 <0.5	#N/. <1 <1 <0.5 <0.5
2,4-Dichlorophenol 2-Nitrophenol 2.4.5-Trichlorophenol	ua/l ug/l ug/l ug/l ug/l ua/l	<1 <0.5 <0.5 <0.5 <0.5	<1 <0.5 <0.5 <0.5 <0.5	<1 <0.5 <0.5 <0.5 <0.5	<1 <0.5 <0.5 <0.5 <0.5 <0.5	<0.5 <0.5 <0.5 <0.5	<1 <0.5 <0.5 <0.5 <0.5	<1 <0.5 <0.5 <0.5 <0.5	<1 <0.5 <0.5 <0.5 <0.5	<1 <0.5 <0.5 <0.5 <0.5	<1 <0.5 <0.5 <0.5 <0.5	<1 <0.5 <0.5 <0.5 <0.5	<1 <0.5 <0.5 <0.5 <0.5	<20 <20 <10.0 <10.0 <10.0 <10.0	<1 <1 <0.5 <0.5 <0.5 <0.5	<1 <1 <0.5 <0.5 <0.5 <0.5	<1 <1 <0.5 <0.5 <0.5 <0.5	<1 <1 <0.5 <0.5 <0.5 <0.5	#N// <1 <0.5 <0.5 <0.5 <0.5 <0.5
2,4-Dichlorophenol 2-Nitrophenol	ua/l ug/l ug/l ug/l ua/l	<0.5 <0.5 <0.5	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5	<1 <0.5 <0.5 <0.5	<0.5 <0.5 <0.5 <0.5 <0.5	<1 <0.5 <0.5 <0.5 <0.5	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5	<1 <0.5 <0.5 <0.5	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5	<20 <20 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0	<1 <1 <0.5 <0.5 <0.5 <0.5	<1 <1 <0.5 <0.5 <0.5	<1 <1 <0.5 <0.5 <0.5	<1 <1 <0.5 <0.5 <0.5 <0.5 <0.5	#N/. <1 <0.5 <0.5 <0.5
(4-Dichlorophenol -Nitrophenol -(4-5-Trichlorophenol -Chloro-3-methylphenol -Nitrophenol -Nitrophenol	Nou Topu Topu Topu Topu Topu Topu Topu To	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <1.5 <1	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <1	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10	<1 <1 <0.5 <0.5 <0.5 <0.5 <0.5 <1.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0	<0.5 <0.5 <0.5 <0.5 <0.5 <1.5	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1.5	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10	<20 <20 <10.0 <10.0 <10.0 <10.0 <10.0 <20 <20	<1 <1 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10	<1 <1 <0.5 <0.5 <0.5 <0.5 <0.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1.5	<1 <1 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10	#N/. <1 <1 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <1
-4-Dichlorophenol -4-Dichlorophenol -4-S-Trichlorophenol -4-S-Trichlorophenol -4-Dimentylophenol -4-Dimentylophenol -4-Dimentylophenol -4-Dimentylophenol -4-Dimentylophenol -4-S-Trichlorophenol -4-S-Trichlorophenol -4-S-Trichlorophenol -4-S-Trichlorophenol -4-S-Trichlorophenol -4-Dimentylophenol -4-Dimen	Nou Neu Neu Neu Neu Neu Neu Neu	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <1	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <1	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5	<0.5 <0.5 <0.5 <0.5 <0.5 <1.5	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10	<20 <20 <10.0 <10.0 <10.0 <10.0 <10.0 <20 <20	<1 <1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5	<1 <1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1.5	<1 <1 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10	#N/ <1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5
.4-Dichtogehenol -Nitrophenol -4.6-Trichiorophenol -4.6-Trichiorophenol -1.6-Trichiorophenol -Nitrophenol -Nitrophenol -4-Dimethylohenol -4-Dimethylohenol -6-Trichiorophenol -7-Poly Aromatic Hydrocarbons	uofi ugfi ugfi ugfi ugfi uofi uofi uofi uofi uofi uofi uofi uo	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <1 <10 <1	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <1	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10	<1 <1 <0.5 <0.5 <0.5 <0.5 <0.5 <1.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0	<0.5 <0.5 <0.5 <0.5 <0.5 <1.5 <1.5 <1.5 <1.5 <1.5	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1.5	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10 <1	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10 <1	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10	<20 <20 <10.0 <10.0 <10.0 <10.0 <20 <20 <20	<1 <1 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10	<1 <1 <0.5 <0.5 <0.5 <0.5 <0.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5	<1 <1 <0.5 <0.5 <0.5 <0.5 <0.5 <1.5 <1 <1	c1 c1 c0.5 c0.5 c0.5 c0.5 c0.5 c1 c1 c1 c1 c1 c1 c1 c1	#N/ <1 <0.5 <0.5 <0.5 <0.5 <0.5 <1.5 <1.5
.4-Okchiogohenol -Mitrophanol -A.5-Tirichiorochenol -Cholmo-3-methylphanol -Methylphanol -Methylphanol -Mitrophanol -A-Dimethylphanol -A-Dimethylphanol -A-Dimethylphanol -A-Dimethylphanol -A-Dimethylphanol -A-Dimethylphanol	uafi uafi uafi uafi uafi uafi uafi uafi	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <1	41 40.5 40.5 40.5 40.5 40.5 41 41 41 41	<1 <1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5	<0.5 <0.5 <0.5 <0.5 <0.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <1 <10 <10 <10 <10 <10 <10 <10 <10 <	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10 <1 <1	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1.5 <1.5 <1.0 <1.0 <1.0 <1.0	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10 <10 <1	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10 <1 <1	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10 <1	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1.5 <1.5 <1.0 <10 <10	<20 <20 <10.0 <10.0 <10.0 <10.0 <10.0 <20 <20 <20 <20 <20	<1 <1 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10	<1 <1 <0.5 <0.5 <0.5 <0.5 <0.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5	<1 <1 <1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5	<1 <1 <1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5	#N/. <1 <1 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <1
.4-Dichrophenol .4-Sinthiprophenol .4-Sinthiprophenol .4-Sinthiprophenol .4-Sinthiprophenol .4-Sinthiprophenol .4-Dimethylphenol .4-Dimeth	Upd Upd	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <1	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <1.5 <1 <1 <1 <1 <0.1 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00	<1 <1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5	<0.5 <0.5 <0.5 <0.5 <0.5 <1.5 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	<1 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -1 -10 -1	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1.5 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <1.5 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10 <10 <10 <10	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <1.5 <1 <10 <1 <1 <1 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5	<20 <20 <10.0 <10.0 <10.0 <10.0 <10.0 <20 <20 <20 <20 <20	<1 <1 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10	<1 <1 <0.5 <0.5 <0.5 <0.5 <0.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5	<1 <1 <1 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <1 <10 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	<1 <1 <1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	#N/. <1 <1 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <1
.4-Oblinophenol .4-Sinisophenol 100 1	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <1 <1 <1 <1 <0.013 <0.01 <0.011 <0.0013 <0.0011 <0.0013 <0.0011 <0.0013 <0.0011 <0.0013 <0.0011 <0.0013 <0.0011 <0.0013 <0.0011 <0.0013 <0.0011 <0.0013 <0.0011 <0.0013 <0.0011 <0.0013 <0.0011 <0.0013 <0.0011 <0.0013 <0.0011 <0.0013 <0.0011 <0.0013 <0.0011 <0.0013 <0.0011 <0.0013 <0.0011 <0.0013 <0.0011 <0.0013 <0.0011	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <1	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10 <1 <10 <1 <1 <10 <10 <1	<1 <1 <1 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <1 <10 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	<0.5 <0.5 <0.5 <0.5 <0.5 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	<1 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -1 -10 -1	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <1.5 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10 <10 <10 <10	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10 <1 <1 <10 <1	<20 <20 <10.0 <10.0 <10.0 <10.0 <10.0 <20 <20 <20 <20 <20	<1 <1 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10	<1 <1 <0.5 <0.5 <0.5 <0.5 <0.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5 <1.5	<1 <1 <1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <1 <10 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	<1 <1 <1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5	#N/. <1 <1 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <1	
4-Oblitosphenol -Nimochenol 4-5-Frichivosofienol 4-5-Frichivosofienol 4-5-Frichivosofienol 4-5-Frichivosofienol 4-5-Frichivosofienol 4-5-Frichivosofienol -Nimochenol 4-5-Frichivosofienol 4-5-Frichivosofienol 4-5-Frichivosofienol -8-Poly Aromatic Hydrocarbons censochifieno empochifieno empo	100 f 100 f	c1 c05 c05 c05 c0.5 c0.5 c1 c1 c1 c1 c1 c1 c0.013 c0.01 c0.0	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <1	<1 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	<1 <1 <1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <1 <10 <10 <1 <10 <1 <1 <10 <10 <10	<0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10 <1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5	<1 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -1 -10 -1	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <1.5 <1 <10 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10 <10 <10 <10	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10 <1 <1 0.05 0.05 <1 <1	<20 <20 <10.0 <10.0 <10.0 <10.0 <10.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.0 <20.	<1 <1 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10	<1 <1 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10	<1 <1 <1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5	<1 c1 c1 c0.5 c0.5 c0.5 c0.5 c0.5 c1 c1 c1 c1 c1 c1 c1 c1 c1 c1 c1 c1 c1	#N/ <1 <0.5 <0.5 <0.5 <0.5 <0.5 <1.5 <1.5
4-Debt incohennal	βου βου βου βου βου βου βου βου βου βου	ct c0.5 c0.5 c0.5 c0.5 c0.5 c1 c1 c10 c1 c1 c1 c1 c1 c1 c1 c1 c1 c1 c1 c1 c1	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <1	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	<1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <	<0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10 <1 <1 <1 <1 <0.06 <0.05 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <p< td=""><td><1 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <1 <10 <1</td><td>c1 <0.5</td> <0.5</p<>	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <1 <10 <1	c1 <0.5	<1	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <1 <10 <1 <1 0.02 0.5 <1 <1 <1 0.5 <1 <1 0.5 <1 <1 0.5 <1 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 <1 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <1 <1 <1 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <0.0 <	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <1 <1 <1 <1 <1 <1	<1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <1 <1 <1 <0.05 <1 <0.05 <0.05 <0.05 <0.05 <0.05 <0.06 <0.06 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <0.07 <	<20 <20 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <20 <20 <20 <20 <20	<1 <1 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10	<1 <1 <0.5 <0.5 <0.5 <0.5 <0.5 <1 <10	<1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <	c1	#N/ <1 <1, <0.5 <0.5 <0.5 <0.5 <1, <10 <10 <1
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4-Dichtosphand 4-Dichtosphand 4-Dichtosphand 4-E-Trithosphand	UST UST	c1 c0.5 c0	# # # # # # # # # # # # # # # # # # #	61 60.5 60.5 60.5 60.5 60.5 60.5 60.5 60.5	1 1 1 1 1 1 1 1 1 1	0.05	## ## ## ## ## ## ## ## ## ## ## ## ##	c1 c1 c0.5 c0.5 c0.5 c0.5 c0.5 c0.5 c0.5 c0.5	c1	CT CT CT CT CT CT CT CT	c1	### ##################################	\$\frac{1}{c0.05}\$ \$\frac{40.5}{c0.05}\$ \$\frac{40.5}{c0.05}\$ \$\frac{40.5}{c0.05}\$ \$\frac{40.5}{c0.05}\$ \$\frac{40.5}{c0.05}\$ \$\frac{40.5}{c1.05}\$ \$\frac{40.5}{c0.05}\$ \$\frac{40.5}	#N/A #N/A #N/A #N/A #N/A #N/A #N/A #N/A	## ## ## ## ## ## ## ## ## ## ## ## ##	### ##################################	C C C C C C C C	1 1 1 1 1 1 1 1 1 1	#No en en en en en en en en en en en en en
4-Chehrophenol Mistophenol 4-Christophenol 4-Christophenol 4-Christophenol 4-Christophenol 4-Christophenol 4-Christophenol 4-Christophenol 4-Christophenol 4-Christophenol 6-Christophenol 7-Christophenol 7-Christophenol 8-Christophenol 8-C	US\$ US\$ US\$ US\$ US\$ US\$ US\$ US\$	c1 c0.5 c0	# 1	c1	c c c c c c c c	(-0.5) (-	c1 c2 c3 c4 c4 c5 c5 c5 c5 c5 c5	cf	c1	CT	c1	### #### #############################	\$1	#WA #WA #WA #WA #WA #WA #WA #WA #WA #WA	##WA ##WA ## ## ## ## ## ## ## ## ## ## ## ## ##	## ## ## ## ## ## ## ## ## ## ## ## ##	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	#Nu cc cc cc cc cc cc cc cc cc cc cc cc cc
4- Ochstonphenol A- Christonphenol 4- S- Trichhosophenol A- B- Trichhosophenol A- B- Trichhosophenol A- B- Trichhosophenol A- B- Trichhosophenol A- B- Trichhosophenol A- B- Trichhosophenol A- B- Trichhosophenol A- B- Trichhosophenol A- B- Trichhosophenol A- B- Trichhosophenol A- B- Trichhosophenol B- Trichhosophenol A- B- Trichhosophenol B- Trichhosophe	001 001 001 001 001 001 001 001 001 001	c1 c0.5 c0	61 005 005 005 005 005 005 005 005 005 00	1 0.15 0.1	C1 C1 C1 C1 C1 C1 C1 C1 C1 C1 C1 C1 C1 C	0.05	61 60.5 60.5 60.5 60.5 60.5 60.5 60.5 60.5	CT	cd cd cd cd cd cd cd cd	CT	C1 C2 C3 C4 C4 C4 C4 C4 C4 C4	### #### #### #### #### #### #### #### ####	1 0.05	#WA #WA #WA #WA #WA #WA #WA #WA #WA #WA	### #### #### ########################	## ## ## ## ## ## ## ## ## ## ## ## ##	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	#W\(\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \



Determinant	Unit	Minimum	Maximum	Count	Source	AGAC	es of AECOI GACs
Arsenic #N/A	ug/l #N/A	<lod <lod< td=""><td>79.1</td><td>18</td><td>WS Regs 2010 (Eng/Wal) WHO DWG 2011</td><td>10 ug/l #N/A #N/A</td><td></td></lod<></lod 	79.1	18	WS Regs 2010 (Eng/Wal) WHO DWG 2011	10 ug/l #N/A #N/A	
#N/A #N/A Cadmium	#N/A ug/l	<tod <tod< td=""><td>#N/A <lod< td=""><td>56</td><td>WHO DWG 2011 WHO DWG 2011 WFD England/Wales. 2015 - AA-EQS Inl</td><td>#N/A #N/A #N/A #N/A 0.08 ug/l</td><td></td></lod<></td></tod<></tod 	#N/A <lod< td=""><td>56</td><td>WHO DWG 2011 WHO DWG 2011 WFD England/Wales. 2015 - AA-EQS Inl</td><td>#N/A #N/A #N/A #N/A 0.08 ug/l</td><td></td></lod<>	56	WHO DWG 2011 WHO DWG 2011 WFD England/Wales. 2015 - AA-EQS Inl	#N/A #N/A #N/A #N/A 0.08 ug/l	
Hexavalent Chromium Chromium III	mg/l mg/l	<lod <lod< td=""><td>0.02</td><td>8</td><td>WFD England/Wales. 2015 - Freshwater WFD England/Wales. 2015 - Freshwater</td><td>0.0034 mg/l 0.0047 mg/l</td><td></td></lod<></lod 	0.02	8	WFD England/Wales. 2015 - Freshwater WFD England/Wales. 2015 - Freshwater	0.0034 mg/l 0.0047 mg/l	
Chromium Copper	ug/l ug/l	<lod <lod< td=""><td>25.4 22</td><td>18</td><td>WFD England/Wales. 2015 - Freshwater WFD England/Wales. 2015 - Freshwater</td><td>4.7 ug/l 1 ug/l</td><td></td></lod<></lod 	25.4 22	18	WFD England/Wales. 2015 - Freshwater WFD England/Wales. 2015 - Freshwater	4.7 ug/l 1 ug/l	
.ead Mercury	ug/l ug/l	<lod< td=""><td><lod 23<="" td=""><td>18</td><td>WFD England/Wales. 2015 - AA-EQS Inl LOD</td><td>1.2 ug/l LOD</td><td></td></lod></td></lod<>	<lod 23<="" td=""><td>18</td><td>WFD England/Wales. 2015 - AA-EQS Inl LOD</td><td>1.2 ug/l LOD</td><td></td></lod>	18	WFD England/Wales. 2015 - AA-EQS Inl LOD	1.2 ug/l LOD	
Mercury Wickel	ug/l ug/l	<lod< td=""><td><lod 6</lod </td><td>18 18</td><td>LOD WFD England/Wales. 2015 - AA-EQS Inl</td><td>LOD 4 ug/l</td><td></td></lod<>	<lod 6</lod 	18 18	LOD WFD England/Wales. 2015 - AA-EQS Inl	LOD 4 ug/l	
Selenium /anadium	ug/l ug/l	<lod <lod< td=""><td><lod 39.8</lod </td><td>18</td><td>WS Regs 2010 (Eng/Wal) WFD England/Wales. 2015 - Freshwater</td><td>10 ug/l 10.9 ug/l</td><td></td></lod<></lod 	<lod 39.8</lod 	18	WS Regs 2010 (Eng/Wal) WFD England/Wales. 2015 - Freshwater	10 ug/l 10.9 ug/l	
#N/A #N/A	#N/A #N/A	<lod <lod< td=""><td>#N/A #N/A</td><td>56 56</td><td>WS Reas 2010 (Eng/Wal) WS Regs 2010 (Eng/Wal)</td><td>#N/A #N/A #N/A #N/A</td><td></td></lod<></lod 	#N/A #N/A	56 56	WS Reas 2010 (Eng/Wal) WS Regs 2010 (Eng/Wal)	#N/A #N/A #N/A #N/A	
#N/A #N/A	#N/A #N/A	<lod <lod< td=""><td>#N/A #N/A</td><td>56</td><td>LOD WS Regs 2010 (Eng/Wal)</td><td>LOD #N/A #N/A</td><td></td></lod<></lod 	#N/A #N/A	56	LOD WS Regs 2010 (Eng/Wal)	LOD #N/A #N/A	
#N/A Zinc	#N/A ug/l	<lod< td=""><td>#N/A 10</td><td>56</td><td>WHO DWG 2011 SEPA WAT-SG-53 Fresh EQS - AA - 201</td><td>#N/A #N/A 20 ug/l</td><td></td></lod<>	#N/A 10	56	WHO DWG 2011 SEPA WAT-SG-53 Fresh EQS - AA - 201	#N/A #N/A 20 ug/l	
Soron Non Metals	ug/l	<lod< td=""><td>187</td><td>18</td><td>WS Regs 2010 (Eng/Wal)</td><td>1000 ug/l</td><td></td></lod<>	187	18	WS Regs 2010 (Eng/Wal)	1000 ug/l	
#N/A Fotal Cyanide	#N/A mg/l	<lod <lod< td=""><td>#N/A 0.08</td><td>56 12</td><td>WFD England/Wales, 2015 - Freshwater WFD England/Wales, 2015 - Freshwater</td><td>#N/A #N/A 0.001 mg/l</td><td></td></lod<></lod 	#N/A 0.08	56 12	WFD England/Wales, 2015 - Freshwater WFD England/Wales, 2015 - Freshwater	#N/A #N/A 0.001 mg/l	
#N/A #N/A	#N/A #N/A	<lod <lod< td=""><td>#N/A #N/A</td><td>56 56</td><td>WFD England/Wales. 2015 - Freshwater LOD</td><td>#N/A #N/A LOD</td><td></td></lod<></lod 	#N/A #N/A	56 56	WFD England/Wales. 2015 - Freshwater LOD	#N/A #N/A LOD	
#N/A	#N/A pH units	<lod <lod< td=""><td>#N/A</td><td>56</td><td>LOD LOD</td><td>LOD</td><td></td></lod<></lod 	#N/A	56	LOD LOD	LOD	
#N/A Dissolved Organic Carbon	#N/A mg/l	<tod <tod< td=""><td>#N/A</td><td>56</td><td>LOD LOD</td><td>LOD</td><td></td></tod<></tod 	#N/A	56	LOD LOD	LOD	
#N/A	#N/A	<lod< td=""><td>#N/A</td><td>56</td><td>LOD</td><td>LOD</td><td></td></lod<>	#N/A	56	LOD	LOD	
#N/A #N/A #N/A	#N/A #N/A #N/A	<lod <lod< td=""><td>#N/A #N/A</td><td>56</td><td>LOD LOD</td><td>LOD LOD</td><td></td></lod<></lod 	#N/A #N/A	56	LOD LOD	LOD LOD	
#N/A	#N/A	<lod< td=""><td>#N/A</td><td></td><td>LOD</td><td>LOD</td><td></td></lod<>	#N/A		LOD	LOD	
TPH compounds lenzene	ug/l	<lod< td=""><td><lod< td=""><td>18</td><td>WS Regs 2010 (Eng/Wal)</td><td>1 ug/l</td><td></td></lod<></td></lod<>	<lod< td=""><td>18</td><td>WS Regs 2010 (Eng/Wal)</td><td>1 ug/l</td><td></td></lod<>	18	WS Regs 2010 (Eng/Wal)	1 ug/l	
oluene thylbenzene	ug/l ug/l	<lod <lod< td=""><td><lod <lod< td=""><td>18</td><td>WFD England/Wales. 2015 - Freshwater SEPA WAT-SG-53 Fresh EQS - AA - 201</td><td>74 ug/l 20 ug/l</td><td></td></lod<></lod </td></lod<></lod 	<lod <lod< td=""><td>18</td><td>WFD England/Wales. 2015 - Freshwater SEPA WAT-SG-53 Fresh EQS - AA - 201</td><td>74 ug/l 20 ug/l</td><td></td></lod<></lod 	18	WFD England/Wales. 2015 - Freshwater SEPA WAT-SG-53 Fresh EQS - AA - 201	74 ug/l 20 ug/l	
-Xylene /m-Xylene	ug/l ug/l	<lod< td=""><td><lod <lod< td=""><td>18</td><td>USEPA RSL (tapwater) USEPA RSL (tapwater)</td><td>190 ug/l 190 ua/l</td><td></td></lod<></lod </td></lod<>	<lod <lod< td=""><td>18</td><td>USEPA RSL (tapwater) USEPA RSL (tapwater)</td><td>190 ug/l 190 ua/l</td><td></td></lod<></lod 	18	USEPA RSL (tapwater) USEPA RSL (tapwater)	190 ug/l 190 ua/l	
ethyl Tertiary Butyl Ether	ug/l	<lod< td=""><td><lod< td=""><td>18</td><td>WHO DWG 2011</td><td>15 ug/l</td><td></td></lod<></td></lod<>	<lod< td=""><td>18</td><td>WHO DWG 2011</td><td>15 ug/l</td><td></td></lod<>	18	WHO DWG 2011	15 ug/l	
L>C5-C6 L>C6-C9	ug/l ug/l	<lod< td=""><td><lod <lod< td=""><td>18</td><td>WHO Petroleum DWG 2008 WHO Petroleum DWG 2008</td><td>15000 ug/l 15000 ug/l</td><td>Ė</td></lod<></lod </td></lod<>	<lod <lod< td=""><td>18</td><td>WHO Petroleum DWG 2008 WHO Petroleum DWG 2008</td><td>15000 ug/l 15000 ug/l</td><td>Ė</td></lod<></lod 	18	WHO Petroleum DWG 2008 WHO Petroleum DWG 2008	15000 ug/l 15000 ug/l	Ė
li_>C8-C11 li_>C10-C13	ug/l ug/l	<tod <tod< td=""><td><lod< td=""><td>18 18</td><td>WHO Petroleum DWG 2008 WHO Petroleum DWG 2008</td><td>300 ug/l 300 ug/l</td><td>LΞ</td></lod<></td></tod<></tod 	<lod< td=""><td>18 18</td><td>WHO Petroleum DWG 2008 WHO Petroleum DWG 2008</td><td>300 ug/l 300 ug/l</td><td>LΞ</td></lod<>	18 18	WHO Petroleum DWG 2008 WHO Petroleum DWG 2008	300 ug/l 300 ug/l	LΞ
i >C12-C17 i >C16-C22	ug/l ug/l	<lod <lod< td=""><td><lod <lod< td=""><td>18</td><td>WHO Petroleum DWG 2008 LOD</td><td>300 ug/l LOD</td><td></td></lod<></lod </td></lod<></lod 	<lod <lod< td=""><td>18</td><td>WHO Petroleum DWG 2008 LOD</td><td>300 ug/l LOD</td><td></td></lod<></lod 	18	WHO Petroleum DWG 2008 LOD	300 ug/l LOD	
i >C21-C36 liphatics >C35-C44	ug/l	<lod <lod< td=""><td>120</td><td>18</td><td>LOD AGAC</td><td>LOD</td><td></td></lod<></lod 	120	18	LOD AGAC	LOD	
rom_>EC5-EC7	ug/l	<lod <lod< td=""><td><lod< td=""><td></td><td>WS Regs 2010 (Eng/Wal)</td><td>1 ug/l</td><td></td></lod<></td></lod<></lod 	<lod< td=""><td></td><td>WS Regs 2010 (Eng/Wal)</td><td>1 ug/l</td><td></td></lod<>		WS Regs 2010 (Eng/Wal)	1 ug/l	
rom_>EC7-EC9 rom_>EC8-EC11	ug/l ug/l	<lod <lod< td=""><td><lod <lod< td=""><td>18</td><td>WFD England/Wales. 2015 - Freshwater WHO Petroleum DWG 2008</td><td>74 ug/l 300 ug/l</td><td></td></lod<></lod </td></lod<></lod 	<lod <lod< td=""><td>18</td><td>WFD England/Wales. 2015 - Freshwater WHO Petroleum DWG 2008</td><td>74 ug/l 300 ug/l</td><td></td></lod<></lod 	18	WFD England/Wales. 2015 - Freshwater WHO Petroleum DWG 2008	74 ug/l 300 ug/l	
rom_>EC10-EC13 rom >EC12-EC17	ug/l ug/l	<lod <lod< td=""><td>45 170</td><td>18</td><td>WHO Petroleum DWG 2008 WHO Petroleum DWG 2008</td><td>90 ug/l 90 ug/l</td><td></td></lod<></lod 	45 170	18	WHO Petroleum DWG 2008 WHO Petroleum DWG 2008	90 ug/l 90 ug/l	
rom >EC16-EC22 rom_>EC21-EC36	ug/l	<lod< td=""><td>790 1330</td><td></td><td>WHO Petroleum DWG 2008 WHO Petroleum DWG 2008</td><td>90 ug/l 90 ug/l</td><td></td></lod<>	790 1330		WHO Petroleum DWG 2008 WHO Petroleum DWG 2008	90 ug/l 90 ug/l	
romatics >EC35-EC44 PH (C8-C40)	ug/l	<lod <lod< td=""><td>270 2560</td><td>18</td><td>WHO Petroleum DWG 2008 LOD</td><td>90 ug/l LOD</td><td></td></lod<></lod 	270 2560	18	WHO Petroleum DWG 2008 LOD	90 ug/l LOD	
PCBs	ug/l						
otal 7 PCBs CB 101	ug/l ug/l	<lod <lod< td=""><td>#N/A #N/A</td><td>19</td><td>USEPA RSL (tapwater) LOD</td><td>0.044 ug/l LOD</td><td></td></lod<></lod 	#N/A #N/A	19	USEPA RSL (tapwater) LOD	0.044 ug/l LOD	
#N/A #N/A	#N/A #N/A	<lod< td=""><td>#N/A #N/A</td><td>56</td><td>USEPA RSL (tapwater) USEPA RSL (tapwater)</td><td>#N/A #N/A #N/A #N/A</td><td></td></lod<>	#N/A #N/A	56	USEPA RSL (tapwater) USEPA RSL (tapwater)	#N/A #N/A #N/A #N/A	
CB 118	#N/A	<lod< td=""><td>#N/A #N/A</td><td>56</td><td>USEPA RSL (tapwater)</td><td>#N/A #N/A</td><td></td></lod<>	#N/A #N/A	56	USEPA RSL (tapwater)	#N/A #N/A	
#N/A CB 138	#N/A ug/l	<lod <lod< td=""><td>#N/A #N/A</td><td>19</td><td>USEPA RSL (tapwater) LOD</td><td>#N/A #N/A LOD</td><td></td></lod<></lod 	#N/A #N/A	19	USEPA RSL (tapwater) LOD	#N/A #N/A LOD	
CB 153 #N/A	#N/A	<lod <lod< td=""><td>#N/A #N/A</td><td>56</td><td>USEPA RSL (tapwater)</td><td>#N/A #N/A</td><td></td></lod<></lod 	#N/A #N/A	56	USEPA RSL (tapwater)	#N/A #N/A	
#N/A #N/A	#N/A	<lod <lod< td=""><td>#N/A #N/A</td><td>56</td><td>USEPA RSL (tapwater) USEPA RSL (tapwater)</td><td>#N/A #N/A #N/A #N/A</td><td></td></lod<></lod 	#N/A #N/A	56	USEPA RSL (tapwater) USEPA RSL (tapwater)	#N/A #N/A #N/A #N/A	
#N/A CB 180	#N/A ug/l	<lod <lod< td=""><td>#N/A #N/A</td><td>56 19</td><td>USEPA RSL (tapwater) LOD</td><td>#N/A #N/A LOD</td><td></td></lod<></lod 	#N/A #N/A	56 19	USEPA RSL (tapwater) LOD	#N/A #N/A LOD	
#N/A CB 28	#N/A ug/l	<lod <lod< td=""><td>#N/A #N/A</td><td>19</td><td>USEPA RSL (tapwater) LOD</td><td>#N/A #N/A LOD</td><td></td></lod<></lod 	#N/A #N/A	19	USEPA RSL (tapwater) LOD	#N/A #N/A LOD	
CB 52 #N/A	ug/l #N/A	<lod< td=""><td>#N/A #N/A</td><td>56</td><td>LOD USEPA RSL (tapwater)</td><td>#N/A #N/A</td><td>\vdash</td></lod<>	#N/A #N/A	56	LOD USEPA RSL (tapwater)	#N/A #N/A	\vdash
#N/A #N/A	#N/A #N/A	<lod <lod< td=""><td>#N/A #N/A</td><td>56</td><td>USEPA RSL (tapwater) LOD</td><td>#N/A #N/A LOD</td><td></td></lod<></lod 	#N/A #N/A	56	USEPA RSL (tapwater) LOD	#N/A #N/A LOD	
Phenol henol	ua/l	<lod< td=""><td><lod< td=""><td>18</td><td>WFD England/Wales. 2015 - Freshwater</td><td>7.7 ug/l</td><td></td></lod<></td></lod<>	<lod< td=""><td>18</td><td>WFD England/Wales. 2015 - Freshwater</td><td>7.7 ug/l</td><td></td></lod<>	18	WFD England/Wales. 2015 - Freshwater	7.7 ug/l	
Chlorophenol Methylphenol	ug/l ug/l	<lod <lod< td=""><td><lod <lod< td=""><td>18</td><td>LOD LOD</td><td>0.1 ug/l LOD</td><td></td></lod<></lod </td></lod<></lod 	<lod <lod< td=""><td>18</td><td>LOD LOD</td><td>0.1 ug/l LOD</td><td></td></lod<></lod 	18	LOD LOD	0.1 ug/l LOD	
4-Dichlorophenol	ug/l	<tod <tod< td=""><td><lod <lod< td=""><td>18</td><td>AGAC AGAC</td><td>0.3 ug/l</td><td></td></lod<></lod </td></tod<></tod 	<lod <lod< td=""><td>18</td><td>AGAC AGAC</td><td>0.3 ug/l</td><td></td></lod<></lod 	18	AGAC AGAC	0.3 ug/l	
-Nitrophenol 4.5-Trichlorophenol -Chloro-3-methylohenol	ua/l ua/l	<tod <tod< td=""><td><lod< td=""><td>18</td><td>AGAC AGAC AGAC</td><td>1200 ug/l</td><td></td></lod<></td></tod<></tod 	<lod< td=""><td>18</td><td>AGAC AGAC AGAC</td><td>1200 ug/l</td><td></td></lod<>	18	AGAC AGAC AGAC	1200 ug/l	
Chloro-3-methylphenol Methylphenol	ug/l ug/l	<lod< td=""><td><lod <lod< td=""><td>18</td><td>LOD</td><td>1400 ug/l LOD</td><td></td></lod<></lod </td></lod<>	<lod <lod< td=""><td>18</td><td>LOD</td><td>1400 ug/l LOD</td><td></td></lod<></lod 	18	LOD	1400 ug/l LOD	
Nitrophenol 4-Dimethylphenol	ug/l ug/l	<lod< td=""><td><lod <lod< td=""><td>18</td><td>LOD LOD</td><td>LOD</td><td></td></lod<></lod </td></lod<>	<lod <lod< td=""><td>18</td><td>LOD LOD</td><td>LOD</td><td></td></lod<></lod 	18	LOD LOD	LOD	
4,6-Trichlorophenol	ug/l	<lod< td=""><td><lod< td=""><td>18</td><td>AGAC</td><td>200 ug/l</td><td></td></lod<></td></lod<>	<lod< td=""><td>18</td><td>AGAC</td><td>200 ug/l</td><td></td></lod<>	18	AGAC	200 ug/l	
Poly Aromatic Hydrocarbons cenaphthene	ug/l	<lod< td=""><td>0.14</td><td></td><td>AECOM DWG (WHO method)</td><td>18 ug/l</td><td></td></lod<>	0.14		AECOM DWG (WHO method)	18 ug/l	
cenaphthylene nthracene	ug/l ug/l	<lod< td=""><td>0.13 0.32</td><td>12 12</td><td>AECOM DWG (WHO method) WFD England/Wales. 2015 - AA-EQS Inl.</td><td>18 ug/l 0.1 ug/l</td><td>Ł</td></lod<>	0.13 0.32	12 12	AECOM DWG (WHO method) WFD England/Wales. 2015 - AA-EQS Inl.	18 ug/l 0.1 ug/l	Ł
enzo(a)anthracene enzo(a)pyrene	ug/l ug/l	<lod <lod< td=""><td>1.58</td><td>12</td><td>AECOM DWG (WHO method) WFD England/Wales. 2015 - AA-EQS Inl.</td><td>3.5 ug/l 0.00017 ug/l</td><td></td></lod<></lod 	1.58	12	AECOM DWG (WHO method) WFD England/Wales. 2015 - AA-EQS Inl.	3.5 ug/l 0.00017 ug/l	
enzo(k)fluoranthene enzo(k)fluoranthene	ug/l	<lod <lod< td=""><td>0.91 3.24</td><td></td><td>WFD England/Wales. 2015 - MAC-EQS III WFD England/Wales. 2015 - MAC-EQS I</td><td>0.017 ug/l 0.017 ug/l</td><td></td></lod<></lod 	0.91 3.24		WFD England/Wales. 2015 - MAC-EQS III WFD England/Wales. 2015 - MAC-EQS I	0.017 ug/l 0.017 ug/l	
enzo(b)fluoranthene enzo(ghi)perylene	ug/l ug/l	<lod <lod< td=""><td>2.33 0.65</td><td>12</td><td>WFD England/Wales. 2015 - MAC-EQS I WFD England/Wales. 2015 - MAC-EQS I</td><td>0.017 ug/l 0.0082 ug/l</td><td></td></lod<></lod 	2.33 0.65	12	WFD England/Wales. 2015 - MAC-EQS I WFD England/Wales. 2015 - MAC-EQS I	0.017 ug/l 0.0082 ug/l	
hrysene benzo(ah)anthracene	ug/l ug/l	<lod <lod< td=""><td>2.28 0.16</td><td>12</td><td>AECOM DWG (WHO method) AECOM DWG (WHO method)</td><td>7 ug/l 0.07 ug/l</td><td></td></lod<></lod 	2.28 0.16	12	AECOM DWG (WHO method) AECOM DWG (WHO method)	7 ug/l 0.07 ug/l	
uoranthene uorene	ug/l ug/l	<tod <tod< td=""><td>2.93 0.11</td><td>12</td><td>WFD England/Wales. 2015 - AA-EQS Inl. AECOM DWG (WHO method)</td><td>0.0063 ug/l 12 ug/l</td><td></td></tod<></tod 	2.93 0.11	12	WFD England/Wales. 2015 - AA-EQS Inl. AECOM DWG (WHO method)	0.0063 ug/l 12 ug/l	
deno(123cd)pyrene	ug/l	<lod< td=""><td>0.11</td><td>12</td><td>LOD</td><td>LOD</td><td></td></lod<>	0.11	12	LOD	LOD	
aohthalene henanthrene	ug/l	<lod <lod< td=""><td>0.1 0.83 3.74</td><td>11</td><td>WFD England/Wales. 2015 - AA-EQS Inl AECOM DWG (WHO method)</td><td>2 ug/l 4 ug/l</td><td></td></lod<></lod 	0.1 0.83 3.74	11	WFD England/Wales. 2015 - AA-EQS Inl AECOM DWG (WHO method)	2 ug/l 4 ug/l	
rene #N/A	ug/l #N/A	<lod< td=""><td>#N/A</td><td>56</td><td>AECOM DWG (WHO method) LOD</td><td>9 ug/l LOD</td><td></td></lod<>	#N/A	56	AECOM DWG (WHO method) LOD	9 ug/l LOD	
SVOCs	ug/l	<lod< td=""><td>18.64</td><td>12</td><td>AGAC</td><td>#\$1/A ==\$1/A</td><td></td></lod<>	18.64	12	AGAC	#\$1/A ==\$1/A	
#N/A entachlorophenol	#N/A ug/l	<lod <lod< td=""><td>#N/A <lod< td=""><td>18</td><td>WFD England/Wales. 2015 - AA-EQS Inl</td><td>#N/A #N/A 0.4 ug/l</td><td></td></lod<></td></lod<></lod 	#N/A <lod< td=""><td>18</td><td>WFD England/Wales. 2015 - AA-EQS Inl</td><td>#N/A #N/A 0.4 ug/l</td><td></td></lod<>	18	WFD England/Wales. 2015 - AA-EQS Inl	#N/A #N/A 0.4 ug/l	
#N/A 4-Dinitrotoluene	#N/A ug/l	<lod <lod< td=""><td>#N/A <lod< td=""><td>56 18</td><td>USEPA RSL (tapwater) USEPA RSL (tapwater)</td><td>#N/A #N/A</td><td></td></lod<></td></lod<></lod 	#N/A <lod< td=""><td>56 18</td><td>USEPA RSL (tapwater) USEPA RSL (tapwater)</td><td>#N/A #N/A</td><td></td></lod<>	56 18	USEPA RSL (tapwater) USEPA RSL (tapwater)	#N/A #N/A	
6-Dinitrotoluene Chloronaphthalene	ug/l ug/l	<lod <lod< td=""><td><lod <lod< td=""><td>18</td><td>USEPA RSL (tapwater) USEPA RSL (tapwater)</td><td>0.048 ug/l 750 ug/l</td><td></td></lod<></lod </td></lod<></lod 	<lod <lod< td=""><td>18</td><td>USEPA RSL (tapwater) USEPA RSL (tapwater)</td><td>0.048 ug/l 750 ug/l</td><td></td></lod<></lod 	18	USEPA RSL (tapwater) USEPA RSL (tapwater)	0.048 ug/l 750 ug/l	
Methylnaphthalene Ntroaniline	ug/l ug/l	<lod< td=""><td><lod 4<="" td=""><td>18</td><td>USEPA RSL (tapwater) USEPA RSL (tapwater)</td><td>164200 ug/l 190 ug/l</td><td>ΗĒ</td></lod></td></lod<>	<lod 4<="" td=""><td>18</td><td>USEPA RSL (tapwater) USEPA RSL (tapwater)</td><td>164200 ug/l 190 ug/l</td><td>ΗĒ</td></lod>	18	USEPA RSL (tapwater) USEPA RSL (tapwater)	164200 ug/l 190 ug/l	ΗĒ
Nitroaniline Methylphenol	ug/l	<lod <lod< td=""><td><lod <lod< td=""><td>18 18</td><td>LOD USEPA RSL (tapwater)</td><td>LOD 1900 ug/l</td><td></td></lod<></lod </td></lod<></lod 	<lod <lod< td=""><td>18 18</td><td>LOD USEPA RSL (tapwater)</td><td>LOD 1900 ug/l</td><td></td></lod<></lod 	18 18	LOD USEPA RSL (tapwater)	LOD 1900 ug/l	
Nitroaniline Nitrophenol	ug/l ug/l	<lod< td=""><td><lod <lod< td=""><td>18</td><td>USEPA RSL (tapwater) LOD</td><td>3.8 ug/l LOD</td><td>Ł</td></lod<></lod </td></lod<>	<lod <lod< td=""><td>18</td><td>USEPA RSL (tapwater) LOD</td><td>3.8 ug/l LOD</td><td>Ł</td></lod<></lod 	18	USEPA RSL (tapwater) LOD	3.8 ug/l LOD	Ł
zobenzene #N/A	#N/A	<lod <lod< td=""><td><lod #N/A</lod </td><td>18 56</td><td>USEPA RSL (tapwater) LOD</td><td>0.12 ug/l LOD</td><td></td></lod<></lod 	<lod #N/A</lod 	18 56	USEPA RSL (tapwater) LOD	0.12 ug/l LOD	
arbazole -n-butyl phthalate	ug/l ug/l	<lod <lod< td=""><td><lod 8<="" td=""><td>18</td><td>LOD SEPA WAT-SG-53 Fresh EQS - AA - 201</td><td>LOD 8 ug/l</td><td></td></lod></td></lod<></lod 	<lod 8<="" td=""><td>18</td><td>LOD SEPA WAT-SG-53 Fresh EQS - AA - 201</td><td>LOD 8 ug/l</td><td></td></lod>	18	LOD SEPA WAT-SG-53 Fresh EQS - AA - 201	LOD 8 ug/l	
-n-Octyl phthalate	ug/l	<lod< td=""><td><lod 1.8</lod </td><td>18</td><td>SEPA WAT-SG-53 Fresh EQS - AA - 201 USEPA RSL (tapwater)</td><td>20 ug/l</td><td></td></lod<>	<lod 1.8</lod 	18	SEPA WAT-SG-53 Fresh EQS - AA - 201 USEPA RSL (tapwater)	20 ug/l	
benzofuran exachlorobenzene	ug/l ug/l	<lod< td=""><td><lod< td=""><td>18</td><td>WFD England/Wales. 2015 - MAC-EQS I</td><td>7.9 ug/l 0.05 ug/l</td><td></td></lod<></td></lod<>	<lod< td=""><td>18</td><td>WFD England/Wales. 2015 - MAC-EQS I</td><td>7.9 ug/l 0.05 ug/l</td><td></td></lod<>	18	WFD England/Wales. 2015 - MAC-EQS I	7.9 ug/l 0.05 ug/l	
exachlorocyclopentadiene s/2-chloroethylether	ua/l	<lod< td=""><td><lod <lod< td=""><td>18</td><td>USEPA RSL (tapwater) USEPA RSL</td><td>0.41 ua/l 2500 ua/l</td><td></td></lod<></lod </td></lod<>	<lod <lod< td=""><td>18</td><td>USEPA RSL (tapwater) USEPA RSL</td><td>0.41 ua/l 2500 ua/l</td><td></td></lod<></lod 	18	USEPA RSL (tapwater) USEPA RSL	0.41 ua/l 2500 ua/l	
s(2-ethylhexyl) phthalate #N/A	ug/l #N/A	<lod <lod< td=""><td><lod #N/A</lod </td><td>56</td><td>WFD England/Wales. 2015 - AA-EQS Inl USEPA RSL (tapwater)</td><td>1.3 ug/l #N/A #N/A</td><td></td></lod<></lod 	<lod #N/A</lod 	56	WFD England/Wales. 2015 - AA-EQS Inl USEPA RSL (tapwater)	1.3 ug/l #N/A #N/A	
Nitrophenol Chloroaniline	ug/l ug/l	<tod <tod< td=""><td><lod <lod< td=""><td>18 18</td><td>LOD</td><td>LOD</td><td>E</td></lod<></lod </td></tod<></tod 	<lod <lod< td=""><td>18 18</td><td>LOD</td><td>LOD</td><td>E</td></lod<></lod 	18 18	LOD	LOD	E
	ug/l ug/l	<lod <lod< td=""><td><lod <lod< td=""><td>18</td><td>WHO DWG 2011 USEPA RSL (tapwater)</td><td>30 ug/l 78 ug/l</td><td></td></lod<></lod </td></lod<></lod 	<lod <lod< td=""><td>18</td><td>WHO DWG 2011 USEPA RSL (tapwater)</td><td>30 ug/l 78 ug/l</td><td></td></lod<></lod 	18	WHO DWG 2011 USEPA RSL (tapwater)	30 ug/l 78 ug/l	
itrobenzene ophorone		<lod< td=""><td><lod< td=""><td>18</td><td>WHO DWG 2011</td><td>0.6 ug/l</td><td></td></lod<></td></lod<>	<lod< td=""><td>18</td><td>WHO DWG 2011</td><td>0.6 ug/l</td><td></td></lod<>	18	WHO DWG 2011	0.6 ug/l	
ophorone exachlorobutadiene	ug/l			10		0.33 пол	
ophorone exachlorobutadiene exachloroethane #N/A #N/A	ug/l ug/l #N/A #N/A	<lod <lod< td=""><td><lod #N/A #N/A</lod </td><td>56</td><td>USEPA RSL (tapwater) LOD WFD England/Wales, 2015 - AA-EQS Inl</td><td>0.33 ua/l LOD #N/A #N/A</td><td></td></lod<></lod 	<lod #N/A #N/A</lod 	56	USEPA RSL (tapwater) LOD WFD England/Wales, 2015 - AA-EQS Inl	0.33 ua/l LOD #N/A #N/A	
	ua/l #N/A	<lod< td=""><td><lod #N/A</lod </td><td>56 56 18</td><td>LOD</td><td>LOD</td><td></td></lod<>	<lod #N/A</lod 	56 56 18	LOD	LOD	

Exploratory Hole			BH102	BH108	BH108	BH111	BH112	HP01	HP02	WS204	WS205	WS206	WS210	WS211	WS212	WS214	WS220	W\$220	WS223
Depth			2 Glacial	1	4	0.20-0.40	1	0.2	0.2	0.2	0.5	0.5	1	0.2	1	0.5	0.2	1	1
Target #N/A	#N/A	#N/A	Sands and Gravels #N/A	Made Ground #N/A	Made Ground #N/A	Made Ground #N/A	Made Ground	Made Ground	Made Ground	Made Ground #N/A	Made Ground #N/A	Made Ground #N/A	Made Ground #N/A	Made Ground #N/A	Made Ground #N/A	Made Ground #N/A	Made Ground	Made Ground	Made Ground #N/A
1,2,4-Trichlorobenzene #N/A #N/A	ug/l #N/A #N/A	<3 #N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	<3 #N/A #N/A	#N/A #N/A	<3 #N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	<3 #N/A #N/A	<3 #N/A #N/A
#N/A #N/A 1,3-Dichlorobenzene	#N/A #N/A ug/l	#N/A #N/A <3	#N/A #N/A <3	#N/A #N/A <3	#N/A #N/A <3	#N/A #N/A <3	#N/A #N/A <3	#N/A #N/A	#N/A #N/A <3	#N/A #N/A <3	#N/A #N/A	#N/A #N/A <3	#N/A #N/A <3	#N/A #N/A <3	#N/A #N/A	#N/A #N/A	#N/A #N/A <3	#N/A #N/A <3	#N/A #N/A <3
#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A
#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A
Bis(2-chloroethoxy)methane #N/A #N/A	#N/A #N/A	<0.5 #N/A #N/A	<0.5 #N/A #N/A	<0.5 #N/A #N/A	<0.5 #N/A #N/A	<0.5 #N/A #N/A	#N/A #N/A	#N/A #N/A	<0.5 #N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A #N/A	<10.0 #N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	<0.5 #N/A #N/A #N/A	#N/A #N/A
#N/A #N/A #N/A #N/A	#N/A #N/A #N/A #N/A	#N/A #N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A #N/A	#N/A #N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A
#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A
#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A	#N/A #N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A
VOCs Vinyl Chloride	ug/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbon tetrachloride Chlorobenzene	Ngu Ngu Ngu	<2	থ থ	<2 <2	<3 <2 <2	<2 <2	থ থ	<3 <2 <2	<3 <2 <2	<3 <2 <2	43 42 42	<3 <2 <2	<2	<3 <2 <2	3 2 2	<3 <2 <2	<2 <2	<2	<3 <2 <2
1,1,1,2-Tetrachloroethane 1,1,1-Trichloroethane	ug/l ug/l ua/l	<2 <2	थ थ थ			<2 <2	<2 <2	<2 <2 <2	<2 <2 <2		42 42 42	<2 <2 <2	<2	<2 <2 <2	42 42 42	<2 <2 <2	<2	<2 <2	<2 <2 <2
1,4-Dichlorobenzene Tetrachloroethene (PCE)	ug/l ug/l ug/l	<3	ব ব ব			<3	<3	<3	<3 <3		ଣ ଶ			ব ব ব			<3	<3 <3	ও ও
1,1-Dichloroethane 1,1-Dichloroethene (1,1 DCE)	ug/l ug/l ug/l ug/l	<3		<3		<3		<3	<3 <3 <3		ব ব ব		<3		র র র		<3 <3	থ থ	ଫ ଫ ଫ ଫ
1.2.4-Trimethylbenzene	ua/l ua/l ug/l	<3	থ থ	<3 <3	<3 <3	<3	<3 <3	থ থ থ	<3 <3 <2	<3	এ এ এ	<3	<3 <3	-ସ -ସ	ও ও ও	ය ය	<3 <3	<3 <3	ପ ପ ପ ପ
1,2-Dichlorobenzene 1,2-Dichloroethane	ug/l ug/l ug/l	<3	<3 <2	<3	<3 <2	<3 <2	<3 <2	<3	<3 <2 <2	<3 <2	3 2	<3 <2	<3 <2	<3	<3 <2	<3	<3 <2	<3 <2	3 2 2
1,3,5-Trimethylbenzene 1,3-Dichloropropane	ug/l ug/l	<3 <2	थ थ र	<3 <2 <1	<3 <2 <1	ও ও ব	<3 <2 <1	<3 <2 <1	<3 <2 <1	<3 <2	3 2 1	<3 <2	<3 <2	<3 <2	<3 <2	-3 -2	<3 <2	<3 <2 <1	<3 <2 <1
2-Chlorotoluene 4-Chlorotoluene Bromobenzene	υ <u>α</u> Λ υ <u>α</u> Λ υ <u>α</u> Λ	43 43 42	<3 <3 <2	ব্র ব্র ব্	এ এ থ	থ থ	द्ध द्ध द्य	-এ -এ -থ	<3 <3 <2	<3 <3 <2	এ এ থ	ব ব ব	<3 <3 <2	ব ব ব	3 3 2	ব ব	<3 <3 <2	<3 <3 <2	-3 -3 -2
Bromodichloromethane Bromoform	Ngu Ngu Ngu	<2 <2	थ थ थ	<2 <2	<2 <2	<2 <2	<2 <2	<2 <2 <2	<2 <2 <2	<2 <2	2 2 2	<2 <2	<2	<2	<2	<2	<2 <2	<2 <2	<2 <2 <2
cis-1-3-Dichloropropene	ug/l ug/l ug/l #N/A		<3 <2 <3 #N/A					<3 <2 <3 #N/A	<3 <2 <3 #N/A	<3 <2 <3 #N/A	<3 <2 <3 #N/A	<3 <2 <3 #N/A		<3 <2 <3 #N/A	<3 <2 <3 #N/A	<3 <2 <3 #N/A	<2 <3		<3 <2 <3 #N/A
4-Isopropyltoluene Styrene	ua/l ug/l ug/l	3 <2 <2	43 42	<3 <2	3 <2	<3	<3 <2 <2	3 <2 <2	<3 <2 <2	<3 <2	3 -2	3 <2	<3 <2	<3 <2 <2	3 -2	43 42	<3 <2	<3	43 42 42
1,1,2,2-Tetrachloroethane Bromomethane	ug/l ug/l ug/l	<4 <1 <3	<4 <1 <3	<4 <1 <3	<4 <1 <3	<4		<4 <1 <3	<4 <1 <3	<4 <1 <3	<4 <1 <3	<4 <1 <3	<4	<4 <1 <3	<4 <1 <3	<1 <3	<4	<4	<4 <1 <3
#N/A Chloromethane Isopropylbenzene	#N/A ug/l ug/l	#N/A <3 <3	#N/A <3 <3	#N/A <3 <3	#N/A <3 <3	#N/A <3 <3	#N/A <3 <3	#N/A <3 <3	#N/A <3 <3	#N/A <3 <3	#N/A <3 <3	#N/A <3 <3		#N/A <3 <3	#N/A <3	#N/A <3 <3	<3	#N/A <3 <3	#N/A <3 <3
sec-Butylbenzene tert-Butylbenzene	ηδη ηδη ηδη		<2 <3 <3	<3		থ থ			<2 <3 <3	<2 <3 <3	-2 -3 -3	<2 <3 <3	<3 <3	<2 <3 <3		<2 <3 <3	<3 <3	<3	43 43
Dichloromethane (DCM)	ug/l ug/l ug/l #N/A	<3 <3 <3 #N/A	<3 <3 #N/A	<3	<3 <3 #N/A	<3	<3 <3 <3 #N/A	<3 <3 <3 #N/A	<3 <3 <3 #N/A	<3 <3 #N/A	<3 <3 <3 #N/A	<3 <3 #N/A	<3	<3 <3 #N/A	<3 <3 <3 #N/A	<3 <3 #N/A	<3	<3	<3 <3 <3 #N/A
#N/A 1.2.3-Trichlorobenzene	#N/A ua/l ug/l	#N/A <3 <3	#N/A <3 <3	#N/A <3 <3	#N/A <3	#N/A <3 <3	#N/A <3 <3	#N/A <3 <3	#N/A <3 <3	#N/A <3 <3	#N/A	#N/A <3	#N/A <3 <3	#N/A <3 <3	#N/A	#N/A	#N/A <3 <3	#N/A <3 <3	#N/A <3 <3
1,2-Dibromo-3-chloropropane #N/A #N/A	ug/l #N/A #N/A	<2 #N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	<2 #N/A #N/A	#N/A #N/A	<2 #N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	<2 #N/A #N/A	<2 #N/A #N/A
#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A	#N/A #N/A #N/A
	#N/A #N/A ug/l	#N/A #N/A <3	#N/A #N/A <3	#N/A #N/A <3	#N/A #N/A	#N/A #N/A <3	#N/A #N/A <3	#N/A #N/A <3	#N/A #N/A <3	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A <3	#N/A #N/A <3	#N/A #N/A <3
#N/A #N/A	#N/A #N/A #N/A	#N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A
Propylbenzene #N/A #N/A	#N/A #N/A	<3 #N/A #N/A	<3 #N/A #N/A	#N/A #N/A	<3 #N/A #N/A	<3 #N/A #N/A	<3 #N/A #N/A	<3 #N/A #N/A	<3 #N/A #N/A	<3 #N/A #N/A	#N/A #N/A	#N/A #N/A	<3 #N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	<3 #N/A #N/A	<3 #N/A #N/A	<3 #N/A #N/A
1,2-Dibromo-3-chloropropane Others #N/A	ug/I #N/A	<2 #N/A	<2 #N/A	<2 #N/A	<2 #N/A	<2 #N/A	<2 #N/A	#N/A	<2 #N/A	<2 #N/A	#N/A	<2 #N/A	<2 #N/A	#N/A	<2 #N/A	<2 #N/A	<2 #N/A	<2 #N/A	<2 #N/A
#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A
#N/A #N/A #N/A #N/A	#N/A #N/A #N/A #N/A	#N/A #N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A #N/A	#N/A #N/A #N/A #N/A	#N/A #N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A
#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A	#N/A #N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A
#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A
#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A
#N/A #N/A #N/A #N/A	#N/A #N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A #N/A	#N/A #N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A #N/A	#N/A #N/A #N/A #N/A	#N/A #N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A
#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A
#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A
#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A
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#N/A #N/A #N/A #N/A	#N/A #N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A
#N/A #N/A #N/A #N/A	#N/A #N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A #N/A	#N/A #N/A #N/A #N/A	#N/A #N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A #N/A	#N/A #N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A
#N/A #N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A
#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A	#N/A #N/A #N/A
#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A	#N/A #N/A #N/A
#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A

Carbon Interfection	Determinant	Unit	Minimum	Maximum	Count Source		AGAC	Exceedances of AECOM GACs
1.9. Telephone		201/4	100	******			100	
## 186 160	1,2,4-Trichlorobenzene	ug/l	<lod< td=""><td><lod< td=""><td>18</td><td>USEPA RSL (tapwater)</td><td>1.1 ug/l</td><td>1</td></lod<></td></lod<>	<lod< td=""><td>18</td><td>USEPA RSL (tapwater)</td><td>1.1 ug/l</td><td>1</td></lod<>	18	USEPA RSL (tapwater)	1.1 ug/l	1
1.00 1.00	#N/A	#N/A	<lod< td=""><td>#N/A</td><td>56</td><td>USEPA RSL (tapwater)</td><td>#N/A #N/A</td><td>56</td></lod<>	#N/A	56	USEPA RSL (tapwater)	#N/A #N/A	56
MADE	#N/A	#N/A	<lod< td=""><td>#N/A</td><td>56</td><td>USEPA RSL (tapwater)</td><td>#N/A #N/A</td><td></td></lod<>	#N/A	56	USEPA RSL (tapwater)	#N/A #N/A	
## 1995 1995	1,3-Dichlorobenzene	ug/l	<lod< td=""><td><lod< td=""><td>18</td><td>LOD</td><td>LOD</td><td>56</td></lod<></td></lod<>	<lod< td=""><td>18</td><td>LOD</td><td>LOD</td><td>56</td></lod<>	18	LOD	LOD	56
## 1500 STORESTONE CONTROL 1500 STORESTONE			<lod <lod< td=""><td></td><td>56 56</td><td>LOD</td><td></td><td>56</td></lod<></lod 		56 56	LOD		56
Column			<lod< td=""><td></td><td></td><td></td><td></td><td></td></lod<>					
## 15 ## 15	#N/A	#N/A	<lod< td=""><td>#N/A</td><td>56</td><td>AECOM (modified LQM/CIEH S4ULs)</td><td>#N/A #N/A</td><td>56</td></lod<>	#N/A	56	AECOM (modified LQM/CIEH S4ULs)	#N/A #N/A	56
March Marc	#N/A	#N/A	<lod< td=""><td>#N/A</td><td>56</td><td>USEPA RSL (tapwater)</td><td>#N/A #N/A</td><td></td></lod<>	#N/A	56	USEPA RSL (tapwater)	#N/A #N/A	
## 1. Proceedings	#N/A	#N/A	<lod< td=""><td>#N/A</td><td>56</td><td>USEPA RSL (tapwater)</td><td>#N/A #N/A</td><td>56</td></lod<>	#N/A	56	USEPA RSL (tapwater)	#N/A #N/A	56
## 1. A 1. A 1. A 1. A 1. A 1. A 1. A 1.	#N/A	#N/A	I <lod< td=""><td>#N/A</td><td>56</td><td>WHO DWG 2011</td><td>#N/A #N/A</td><td>56</td></lod<>	#N/A	56	WHO DWG 2011	#N/A #N/A	56
## 150 Fig. 1, 100 Fig. 1,		#N/A #N/A	<lod< td=""><td></td><td>56 56</td><td>WHO DWG 2011 USEPA RSL (tapwater)</td><td></td><td>56</td></lod<>		56 56	WHO DWG 2011 USEPA RSL (tapwater)		56
## 1.00 ## 1.0			<lod< td=""><td></td><td>56</td><td>USEPA RSL (tapwater)</td><td></td><td></td></lod<>		56	USEPA RSL (tapwater)		
Mathematics	#N/A	#N/A	<lod< td=""><td>#N/A</td><td>56</td><td>USEPA RSL (tapwater)</td><td>#N/A #N/A</td><td>56</td></lod<>	#N/A	56	USEPA RSL (tapwater)	#N/A #N/A	56
Validation Val	#N/A	#N/A	<lod< td=""><td>#N/A</td><td>56</td><td>LOD</td><td>LOD</td><td></td></lod<>	#N/A	56	LOD	LOD	
Colorate Colorate	VUUS							
Charlesteened	Trichloroethene (TCE)		<lod< td=""><td><lod< td=""><td>18</td><td>LOD</td><td>LOD</td><td></td></lod<></td></lod<>	<lod< td=""><td>18</td><td>LOD</td><td>LOD</td><td></td></lod<>	18	LOD	LOD	
1.1.2 First photographics	Carbon tetrachloride Chlorobenzene		<lod <lod< td=""><td><lod <lod< td=""><td>18 18</td><td>WS Regs 2010 (Eng/Wal) WHO DWG 2011</td><td>3 ug/l 300 ug/l</td><td></td></lod<></lod </td></lod<></lod 	<lod <lod< td=""><td>18 18</td><td>WS Regs 2010 (Eng/Wal) WHO DWG 2011</td><td>3 ug/l 300 ug/l</td><td></td></lod<></lod 	18 18	WS Regs 2010 (Eng/Wal) WHO DWG 2011	3 ug/l 300 ug/l	
1.50c/attentument 1.50	Chloroform	ug/l	<lod< td=""><td><lod< td=""><td>18</td><td>WFD England/Wales. 2015 - AA-EQS Inl</td><td>2.5 ug/l</td><td></td></lod<></td></lod<>	<lod< td=""><td>18</td><td>WFD England/Wales. 2015 - AA-EQS Inl</td><td>2.5 ug/l</td><td></td></lod<>	18	WFD England/Wales. 2015 - AA-EQS Inl	2.5 ug/l	
	1.1.1-Trichloroethane	ua/l	<lod< td=""><td><lod< td=""><td>18</td><td>WHO DWG 2011</td><td>2000 ua/l</td><td></td></lod<></td></lod<>	<lod< td=""><td>18</td><td>WHO DWG 2011</td><td>2000 ua/l</td><td></td></lod<>	18	WHO DWG 2011	2000 ua/l	
11-06/2006/000-000-000-000-000-000-000-000-000-	1 4-Dichlorohenzene	ug/l	<lod< td=""><td><lod< td=""><td>18</td><td>WHO DWG 2011</td><td>300 ug/l</td><td></td></lod<></td></lod<>	<lod< td=""><td>18</td><td>WHO DWG 2011</td><td>300 ug/l</td><td></td></lod<>	18	WHO DWG 2011	300 ug/l	
11-06/2006/000-000-000-000-000-000-000-000-000-	1,1,2-Trichloroethane	ug/l	<lod< td=""><td><lod< td=""><td>18</td><td>USEPA RSL (tapwater)</td><td>0.28 ug/l</td><td></td></lod<></td></lod<>	<lod< td=""><td>18</td><td>USEPA RSL (tapwater)</td><td>0.28 ug/l</td><td></td></lod<>	18	USEPA RSL (tapwater)	0.28 ug/l	
11.054999090000000000000000000000000000000	1.1-Dichloroethene (1.1 DCE)						2.7 ug/l LOD	
12-08containum	1.1-Dichloropropene	ug/l	<lod< td=""><td><lod< td=""><td>18 18</td><td>LOD USEPA PSI (tanwater)</td><td>LOD</td><td></td></lod<></td></lod<>	<lod< td=""><td>18 18</td><td>LOD USEPA PSI (tanwater)</td><td>LOD</td><td></td></lod<>	18 18	LOD USEPA PSI (tanwater)	LOD	
1.5 Emergeneers	1.2.4-Trimethylbenzene	ua/l	<lod< td=""><td><lod< td=""><td>18</td><td>USEPA RSL (tapwater)</td><td>26100 ug/l</td><td></td></lod<></td></lod<>	<lod< td=""><td>18</td><td>USEPA RSL (tapwater)</td><td>26100 ug/l</td><td></td></lod<>	18	USEPA RSL (tapwater)	26100 ug/l	
1.5 Emergeneers	1,2-Dichlorobenzene	ug/l	<lod< td=""><td><lod< td=""><td>18</td><td>WHO DWG 2011</td><td>1000 ug/l</td><td></td></lod<></td></lod<>	<lod< td=""><td>18</td><td>WHO DWG 2011</td><td>1000 ug/l</td><td></td></lod<>	18	WHO DWG 2011	1000 ug/l	
1.5 Trient-Biscone oil 1.60 1	1,2-Dichloropropane	ug/l	<lod< td=""><td><lod< td=""><td>18</td><td>WHO DWG 2011</td><td>40 ug/l</td><td></td></lod<></td></lod<>	<lod< td=""><td>18</td><td>WHO DWG 2011</td><td>40 ug/l</td><td></td></lod<>	18	WHO DWG 2011	40 ug/l	
2-00-center 10-00 1-00	1,3,5-Trimethylbenzene 1,3-Dichloropropane	ug/l ug/l	<lod< td=""><td><lod <lod< td=""><td>18 18</td><td>USEPA RSL (tapwater) USEPA RSL (tapwater)</td><td>120 ug/l 370 ug/l</td><td></td></lod<></lod </td></lod<>	<lod <lod< td=""><td>18 18</td><td>USEPA RSL (tapwater) USEPA RSL (tapwater)</td><td>120 ug/l 370 ug/l</td><td></td></lod<></lod 	18 18	USEPA RSL (tapwater) USEPA RSL (tapwater)	120 ug/l 370 ug/l	
Content	2,2-Dichloropropane	ug/l	<lod< td=""><td><lod< td=""><td>18</td><td>LOD</td><td>LOD</td><td></td></lod<></td></lod<>	<lod< td=""><td>18</td><td>LOD</td><td>LOD</td><td></td></lod<>	18	LOD	LOD	
Suppose	4-Chlorotoluene	ua/l	<lod< td=""><td><lod< td=""><td>18</td><td>USEPA RSL (tapwater)</td><td>250 ua/l</td><td></td></lod<></td></lod<>	<lod< td=""><td>18</td><td>USEPA RSL (tapwater)</td><td>250 ua/l</td><td></td></lod<>	18	USEPA RSL (tapwater)	250 ua/l	
Bigrordon Secretarion Se	Bromochloromethane	ug/l	<lod< td=""><td><lod< td=""><td>18</td><td>USEPA RSL (tapwater)</td><td>83 ug/l</td><td></td></lod<></td></lod<>	<lod< td=""><td>18</td><td>USEPA RSL (tapwater)</td><td>83 ug/l</td><td></td></lod<>	18	USEPA RSL (tapwater)	83 ug/l	
Sch-2-Debinsterland School	Bromodichloromethane Bromoform		<lod< td=""><td><lod <lod< td=""><td>18 18</td><td>LOD</td><td></td><td></td></lod<></lod </td></lod<>	<lod <lod< td=""><td>18 18</td><td>LOD</td><td></td><td></td></lod<></lod 	18 18	LOD		
## 1	cis-1-2-Dichloroethene							
6-biographiculature	Dibromomethane	ug/l	<lod< td=""><td><lod< td=""><td>18</td><td>USEPA RSL (tapwater)</td><td>8 ug/l</td><td></td></lod<></td></lod<>	<lod< td=""><td>18</td><td>USEPA RSL (tapwater)</td><td>8 ug/l</td><td></td></lod<>	18	USEPA RSL (tapwater)	8 ug/l	
United Color Col	4-Isopropvitoluene	ua/l	<lod< td=""><td><lod< td=""><td>18</td><td>LOD</td><td>LOD</td><td></td></lod<></td></lod<>	<lod< td=""><td>18</td><td>LOD</td><td>LOD</td><td></td></lod<>	18	LOD	LOD	
Semontariane	trans-1-3-Dichloropropene	ug/l	<lod< td=""><td><lod< td=""><td>18</td><td>LOD</td><td>LOD</td><td></td></lod<></td></lod<>	<lod< td=""><td>18</td><td>LOD</td><td>LOD</td><td></td></lod<>	18	LOD	LOD	
Section Company Comp	Bromomethane	ug/l	<lod< td=""><td><lod< td=""><td>18</td><td>USEPA RSL (tapwater)</td><td>0.076 ug/l</td><td></td></lod<></td></lod<>	<lod< td=""><td>18</td><td>USEPA RSL (tapwater)</td><td>0.076 ug/l</td><td></td></lod<>	18	USEPA RSL (tapwater)	0.076 ug/l	
Checombinate	#N/A		<lod< td=""><td></td><td>56</td><td>LOD</td><td>21000 ug/l LOD</td><td>56</td></lod<>		56	LOD	21000 ug/l LOD	56
Debtomolishumonthrane sqr st. COD st.	Chloromethane		<lod< td=""><td><lod< td=""><td></td><td>LOD</td><td></td><td></td></lod<></td></lod<>	<lod< td=""><td></td><td>LOD</td><td></td><td></td></lod<>		LOD		
See Supplementary See Supplement S	Dichlorodifluoromethane sec-Butylbenzene		<lod <lod< td=""><td></td><td>18 18</td><td>USEPA RSL (tapwater) USEPA RSL (tapwater)</td><td></td><td></td></lod<></lod 		18 18	USEPA RSL (tapwater) USEPA RSL (tapwater)		
Debtommarker (DCM)	tert-Butylbenzene	ug/l	<lod< td=""><td><lod< td=""><td>18</td><td>USEPA RSL (tapwater)</td><td>690 ug/l</td><td></td></lod<></td></lod<>	<lod< td=""><td>18</td><td>USEPA RSL (tapwater)</td><td>690 ug/l</td><td></td></lod<>	18	USEPA RSL (tapwater)	690 ug/l	
#NA	Dichloromethane (DCM)	ug/l	<lod< td=""><td><lod< td=""><td>18</td><td>LOD</td><td>LOD</td><td></td></lod<></td></lod<>	<lod< td=""><td>18</td><td>LOD</td><td>LOD</td><td></td></lod<>	18	LOD	LOD	
1.2-Tichichothecores	#N/A	#N/A	<lod< td=""><td>#N/A</td><td>56</td><td>LOD</td><td>LOD</td><td></td></lod<>	#N/A	56	LOD	LOD	
1.2-Discontino-3-chilosoprograme	#N/A 1.2.3-Trichlorobenzene	#N/A ug/l	<lod< td=""><td></td><td>18</td><td>USEPA RSL (tapwater)</td><td>7 ug/l</td><td>56</td></lod<>		18	USEPA RSL (tapwater)	7 ug/l	56
##NA #NA #NA 4.CD #NA 55 (USEPA RS). (Ingrester) ##NA #NA 19 5	1,2,4-Trichlorobenzene 1,2-Dibromo-3-chloropropane		<lod< td=""><td><lod <lod< td=""><td>18</td><td>USEPA RSL (tapwater)</td><td>1.1 ug/l 1 ug/l</td><td></td></lod<></lod </td></lod<>	<lod <lod< td=""><td>18</td><td>USEPA RSL (tapwater)</td><td>1.1 ug/l 1 ug/l</td><td></td></lod<></lod 	18	USEPA RSL (tapwater)	1.1 ug/l 1 ug/l	
## BNA	#N/A	#N/A	<lod< td=""><td>#N/A</td><td>56</td><td>USEPA RSL (tapwater)</td><td>#N/A #N/A</td><td></td></lod<>	#N/A	56	USEPA RSL (tapwater)	#N/A #N/A	
#NA #NA 6.00 #NA 56 USEPA RS, (taywater) #NA #NA 1.00 #NA 6.00 #NA	#N/A	#N/A	<lod< td=""><td>#N/A</td><td>56</td><td>LOD</td><td>LOD</td><td>56</td></lod<>	#N/A	56	LOD	LOD	56
BNA	#N/A	#N/A	<lod< td=""><td>#N/A</td><td>56</td><td>USEPA RSL (tapwater)</td><td>#N/A #N/A</td><td>56</td></lod<>	#N/A	56	USEPA RSL (tapwater)	#N/A #N/A	56
## BNA #NA 4.00 ##A 55 LOD LOD 55 ##NA #NA 4.00 ##A 55 LOD LOD 59 ##NA #NA 4.00 ##A 4.00 ##A 55 LOD LOD 59 ##NA #NA 4.00 ##A 4.00 ##A 55 LOD LOD 59 ##NA #NA 4.00 ##A 4.00 ##A 55 LOD LOD 59 ##NA #NA 4.00 ##A 55 LOD LOD 59 #	#N/A	#N/A	<lod< td=""><td>#N/A</td><td>56</td><td>USEPA RSL (tapwater)</td><td>#N/A #N/A</td><td></td></lod<>	#N/A	56	USEPA RSL (tapwater)	#N/A #N/A	
## 8/10 ## 19/10 ## 1	Dibromochloromethane	ug/l	<lod< td=""><td><lod< td=""><td>18</td><td>LOD</td><td>LOD</td><td></td></lod<></td></lod<>	<lod< td=""><td>18</td><td>LOD</td><td>LOD</td><td></td></lod<>	18	LOD	LOD	
## ## ## ## ## ## ## ## ## ## ## ## ##	#N/A	#N/A	<lod< td=""><td>#N/A</td><td>56</td><td>LOD</td><td></td><td></td></lod<>	#N/A	56	LOD		
BNA	#N/A Propylbenzene		<lod< td=""><td>#N/A <lod< td=""><td>56 18</td><td>USEPA RSL (tapwater)</td><td></td><td>56</td></lod<></td></lod<>	#N/A <lod< td=""><td>56 18</td><td>USEPA RSL (tapwater)</td><td></td><td>56</td></lod<>	56 18	USEPA RSL (tapwater)		56
12-Ditromo-3-chicoproposes UgF 4-LOD 4-LOD 18	#N/A				56	LOD		
BNA	1,2-Dibromo-3-chloropropane		<lod< td=""><td></td><td>18</td><td>COD</td><td>1 200</td><td></td></lod<>		18	COD	1 200	
BNA		#N/A	<lod< td=""><td>#N/A</td><td>56</td><td>LOD</td><td>LOD</td><td>56</td></lod<>	#N/A	56	LOD	LOD	56
## ## ## ## ## ## ## ## ## ## ## ## ##	#N/A	#N/A	<lod< td=""><td>#N/A</td><td>56</td><td>LOD</td><td>LOD</td><td>56</td></lod<>	#N/A	56	LOD	LOD	56
## ## ## ## ## ## ## ## ## ## ## ## ##	#N/A	#N/A	<lod< td=""><td>#N/A</td><td>56</td><td>LOD</td><td>LOD</td><td>56</td></lod<>	#N/A	56	LOD	LOD	56
BNA	#N/A	#N/A	<lod< td=""><td>#N/A</td><td>56 56</td><td>LOD</td><td>LOD</td><td>56</td></lod<>	#N/A	56 56	LOD	LOD	56
SPA			<lod <lod< td=""><td></td><td>56 56</td><td>LOD</td><td></td><td>56</td></lod<></lod 		56 56	LOD		56
## ## ## ## ## ## ## ## ## ## ## ## ##			<lod< td=""><td></td><td>56</td><td>LOD</td><td></td><td></td></lod<>		56	LOD		
## 8NA #NA 4.CD #PAA 55 LOD LOD 55 MAA 8NA 8NA 4.CD #PAA 55 LOD LOD 55 MAA 8NA 4.CD #PAA 55 LOD LOD 55 MAA 8NA 4.CD #PAA 55 LOD LOD 55 MAA 8NA 4.CD #PAA 55 LOD LOD 55 MAA 8NA 8NA 4.CD #PAA 55 LOD LOD 55 MAA 8NA 8NA 8NA 4.CD #PAA 55 LOD LOD 55 MAA 8NA 8NA 8NA 4.CD #PAA 55 LOD LOD 55 MAA 8NA 4.CD #PAA 55 LOD LOD 55 MAA 8NA 8NA 4.CD #PAA 55 LOD LOD 55 MAA 8NA 8NA 4.CD #PAA 55 LOD LOD 55 MAA 8NA 8NA 4.CD #PAA 55 LOD LOD 55 MAA 8NA 8NA 4.CD #PAA 55 LOD LOD 55 MAA 8NA 8NA 4.CD #PAA 55 LOD LOD 55 MAA 8NA 8NA 4.CD #PAA 55 LOD LOD 55 MAA 8NA 8NA 4.CD #PAA 55 LOD LOD 55 MAA 8NA 8NA 4.CD #PAA 55 LOD LOD 55 MAA 8NA 4.CD #PAA 55 LOD LOD 55 MAA 8NA 4.CD #PAA 55 LOD LOD 55 MAA 8NA 4.CD #PAA 55 LOD LOD 55 MAA 8NA 4.CD #PAA 55 LOD LOD 55 MAA 8NA 4.CD #PAA 55 LOD LOD 55 MAA 8NA 4.CD #PAA 55 LOD LOD 55 MAA 8NA 4.CD #PAA 55 LOD LOD 55 MAA 8NA 4.CD #PAA 55 LOD LOD 55 MAA 8NA 4.CD #PAA 55 LOD LOD 55 MAA 8NA 4.CD #PAA 55 LOD LOD 55 MAA 8NA 4.CD #PAA 55 LOD LOD 55 MAA 8NA 4.CD #PAA 55 LOD LOD 55 MAA 8NA 4.CD #PAA 55 LOD LOD 55 MAA 8NA 4.CD #PAA 55 LOD LOD 55 MAA 8NA 4.CD #PAA 55 LOD LOD 55 MAA 8NA 4.CD #PAA 55 LOD LOD 55 MAA 8NA 4.CD #PAA 55 LOD LOD 55 MAA 8NA 4.C	#N/A	#N/A	<lod< td=""><td>#N/A</td><td>56</td><td>LOD</td><td>LOD</td><td>56</td></lod<>	#N/A	56	LOD	LOD	56
## ## ## ## ## ## ## ## ## ## ## ## ##	#N/A	#N/A	<lod< td=""><td>#N/A</td><td>56</td><td>LOD</td><td>LOD</td><td>56</td></lod<>	#N/A	56	LOD	LOD	56
## BNA # BNA 4.CD ##VA 56 LOD LOD 55 ##NA #BNA 4.CD ##VA 56 LOD LOD 55 ##NA BNA 4.CD ##VA 56 LOD LO	#N/A	#N/A	<lod< td=""><td>#N/A</td><td>56</td><td>LOD</td><td>LOD</td><td>56</td></lod<>	#N/A	56	LOD	LOD	56
BNA	#N/A	#N/A	<lod< td=""><td>#N/A</td><td>56</td><td>LOD</td><td>LOD</td><td>56</td></lod<>	#N/A	56	LOD	LOD	56
## ## ## ## ## ## ## ## ## ## ## ## ##	#N/A #N/A		<lod< td=""><td></td><td>56 56</td><td>LOD</td><td>LOD</td><td></td></lod<>		56 56	LOD	LOD	
## ## ## ## ## ## ## ## ## ## ## ## ##			<lod< td=""><td></td><td>56</td><td>LOD</td><td></td><td>56</td></lod<>		56	LOD		56
## ## ## ## ## ## ## ## ## ## ## ## ##	#N/A	#N/A	<lod< td=""><td>#N/A</td><td>56</td><td>LOD</td><td>LOD</td><td>56</td></lod<>	#N/A	56	LOD	LOD	56
BNA	#N/A	#N/A	4L0D	#N/A	56	LOD		56
## ## ## ## ## ## ## ## ## ## ## ## ##	#N/A	#N/A	<lod< td=""><td>#N/A</td><td>56</td><td>LOD</td><td>LOD</td><td>58</td></lod<>	#N/A	56	LOD	LOD	58
## ## ## ## ## ## ## ## ## ## ## ## ##	#N/A	#N/A	<lod< td=""><td>#N/A</td><td>56</td><td>LOD</td><td>LOD</td><td>56</td></lod<>	#N/A	56	LOD	LOD	56
BNA	#N/A	#N/A	<lod< td=""><td>#N/A</td><td>56 56</td><td>LOD</td><td>LOD</td><td></td></lod<>	#N/A	56 56	LOD	LOD	
## ## ## ## ## ## ## ## ## ## ## ## ##	#N/A	#N/A	<lod< td=""><td>#N/A</td><td>56</td><td>LOD</td><td>LOD</td><td>56</td></lod<>	#N/A	56	LOD	LOD	56
## ## ## ## ## ## ## ## ## ## ## ## ##	#N/A	#N/A	<lod< td=""><td>#N/A</td><td>56</td><td>LOD</td><td>LOD</td><td>56</td></lod<>	#N/A	56	LOD	LOD	56
## ## ## ## ## ## ## ## ## ## ## ## ##	#N/A	#N/A	<lod< td=""><td>#N/A</td><td>56</td><td>LOD</td><td>LOD</td><td>56</td></lod<>	#N/A	56	LOD	LOD	56
## ## ## ## ## ## ## ## ## ## ## ## ##	#N/A	#N/A	<lod< td=""><td>#N/A</td><td>56</td><td>LOD</td><td>LOD</td><td>56</td></lod<>	#N/A	56	LOD	LOD	56
BNA			<lod< td=""><td></td><td>56</td><td>LOD</td><td>LOD</td><td>56</td></lod<>		56	LOD	LOD	56
#NA #NA 4.CD #NA 56.LDD LDD 59 #NA #NA 4.CD #NA 56.LDD LDD 59 #NA #NA #NA 4.CDD #NA 56.LDD LDD 59 #NA #NA #NA 4.CDD #NA 56.LDD LDD 59 #NA #NA 4.CDD #NA 56.LDD LDD 59 #NA #NA 4.CDD #NA 56.LDD LDD 59 #NA #NA 4.CDD #NA 56.LDD LDD 59 #NA #NA 4.CDD #NA 56.LDD LDD 59 #NA #NA 4.CDD #NA 56.LDD LDD 59 #NA #NA 4.CDD #NA 56.LDD LDD 59 #NA #NA 4.CDD #NA 56.LDD LDD 59 #NA #NA 4.CDD #NA 56.LDD LDD 59	#N/A	#N/A	<lod< td=""><td>#N/A</td><td>56</td><td>LOD</td><td>LOD</td><td>56</td></lod<>	#N/A	56	LOD	LOD	56
8N/A	#N/A	#N/A	<lod< td=""><td>#N/A</td><td>56</td><td>LOD</td><td>LOD</td><td>56</td></lod<>	#N/A	56	LOD	LOD	56
#NA #NA 4.CD #NA 56.LDD LOD 55 #NA #NA 4.CD #NA 56.LDD LOD 55 #NA #NA 4.CD #NA 56.LDD LOD 55 #NA #NA 4.CD #NA 56.LDD LOD 55	#N/A	#N/A	<lod< td=""><td>#N/A</td><td>56</td><td>LOD</td><td>LOD</td><td>58</td></lod<>	#N/A	56	LOD	LOD	58
#N/A #N/A d_OD #N/A 56 LOD LOD 56 #N/A #N/A d_OD #N/A 56 LOD LOD 56	#N/A	#N/A	<lod< td=""><td>#N/A</td><td>56</td><td>LOD</td><td>LOD</td><td>56</td></lod<>	#N/A	56	LOD	LOD	56
	#N/A	#N/A	<lod< td=""><td>#N/A</td><td>56</td><td>LOD</td><td>LOD</td><td>56</td></lod<>	#N/A	56	LOD	LOD	56
			<lod< td=""><td></td><td></td><td></td><td></td><td></td></lod<>					

Capabilities on project:

Appendix F – Groundwater Screening Assessment

Stockport Bus Station Groundwater Testing

> Threshold Value > 2x Threshold Value

>10 x Threshold value

Exploratory Hole			BH101	BH102	BH103	BH105	BH106	BH108	BH109	BH112
Depth			5.00-7.00	8.00-10.00	11.00-14.00	9.50-12.00	5.00-7.00	18.00 - 21.00	18.00-20.00	12.80 - 14.80
Target		LOD	Chester Pebble Beds	Chester Pebble Beds	Chester Pebble Beds	Chester Pebble Beds	Chester Pebble Beds	Chester Pebble Beds	Chester Pebble Beds	Chester Pebble Beds
Strata Logs Determinant	Unit		Sandstone							
Metals Arsenic	ug/l	<2.5	<2.5	3.2	3	4.1	<2.5	3.2	<2.5	<2.5
Cadmium	ug/l	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Hexavalent Chromium Chromium III	mg/l mg/l									
Chromium Copper	ug/l ug/l	<1.5 <7	<1.5 <7	<1.5 <7	<1.5 <7	<1.5 <7	<1.5 <7	<1.5 <7	<1.5 <7	<1.5 <7
Lead	ug/l	<5	<5	<5	<5	<5	<5	<5	<5	<5
Mercury Mercury	ug/l ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1 <1
Nickel Selenium	ug/l ug/l	<2	<3	<2	<3	<3 <3	<2	<2	<3	<2
Vanadium	ug/l	<1.5	1.8	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
Zinc Boron	ug/l ug/l	<3 <12	5 73	15 57	<3 146	<3 61	<3 62	<3	<3	<3 40
Non Metals Total Cyanide	mg/l									
Nitrate as NO3	mg/l	<0.2	4.9	2.5	1.9	7.4	10.7	0.8	0.6	1.7
pH Sulphide	pH units mg/l	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Dissolved Organic Carbon	mg/l		-		2					_
Total Organic Carbon Sulphate	mg/l mg/l	<2 <0.05	92.76	<2 71.35	<2 169.71	<2 62.72	<2 38.55	<2 25.69	49 31.61	<2 33.03
TPH compounds Benzene	ug/l	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	ug/l	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.2	<0.5
Ethylbenzene o-Xylene	ug/l ug/l	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5
p/m-Xylene Methyl Tertiary Butyl Ether	ug/l	<1 <0.1	<1 <0.1	<1	<1 <0.1	<1	<1 <0.1	<1 <0.1	<1	<1
Aliphatics	ug/l					<0.1			<0.1	<0.1
Ali_>C5-C6 Ali_>C6-C9	ug/l ug/l	<5 <5	<5 <5	<5 <5	<5 <5	<5 <5	<5 <5	<5 <5	<5 <5	<5 <5
Ali >C8-C11 Ali >C10-C13	ug/l	<5 <5	<5 <5	<5	<5	<5	<5	<5 <5	<5	<5
Ali_>C10-C13 Ali_>C12-C17	ug/l ug/l	<10	<10	<10	<5 <10	<5 <10	<5 <10	<10	1280	<5 <10
Ali_>C16-C22 Ali_>C21-C36	ug/l ug/l	<10 <10	<10 <10	<10 <10	<10 <10	<10 <10	<10 <10	<10 <10	<10 <10	<10 <10
Aliphatics >C35-C44	ug/l	<10	<10	<10	<10	<10	<10	<10	1299	<10
Arom_>EC5-EC7	ug/l	<5	<5	<5	<5	<5	<5	<5	<5	<5
Arom_>EC7-EC9 Arom_>EC8-EC11	ug/l ug/l	<5 <5	<5 <5	<5 <5	<5 <5	<5 <5	<5 <5	<5 <5	<5 <5	<5 <5
Arom_>EC10-EC13	ug/l	<10	<10	<10	<10	<10	<10	<10	80	<10
Arom_>EC12-EC17 Arom_>EC16-EC22	ug/l ug/l	<10 <10	<10 <10	<10 <10	<10 <10	<10 <10	<10 <10	<10 <10	<10 <10	<10 <10
Arom_>EC21-EC36 PCBS	ug/l	<10	<10	<10	<10	<10	<10	<10	80	<10
Total 7 PCBs	ug/l	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7
PCB 101 PCB 118	ug/l ug/l	<0.1 <0.1	<0.1 <0.1	<0.1	<0.1	<0.1 <0.1	<0.1 <0.1	<0.1 <0.1	<0.1 <0.1	<0.1 <0.1
PCB 138 PCB 153	ug/l ug/l	<0.1 <0.1	<0.1 <0.1	<0.1 <0.1	<0.1 <0.1	<0.1 <0.1	<0.1 <0.1	<0.1 <0.1	<0.1 <0.1	<0.1 <0.1
PCB 153 PCB 180	ug/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
PCB 28 PCB 52	ug/l ug/l	<0.1 <0.1	<0.1	<0.1	<0.1	<0.1 <0.1	<0.1 <0.1	<0.1 <0.1	<0.1 <0.1	<0.1
Phenol				1	1				4	
Phenol 2-Chlorophenol	ug/l ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Methylphenol	ug/l	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2,4-Dichlorophenol 2-Nitrophenol	ug/l ug/l	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5
2,4,5-Trichlorophenol 4-Chloro-3-methylphenol	ug/l ug/l	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5
4-Methylphenol	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1
4-Nitrophenol 2,4-Dimethylphenol	ug/l ug/l	<10 <1	<10 <1	<10 <1	<10 <1	<10	<10 <1	<10 <1	<10 <1	<10 <1
2,4,6-Trichlorophenol	ug/l	<1	<1		<1	<1	<1	<1	<1	<1
Poly Aromatic Hydrocarbons										
Acenaphthene Acenaphthylene	ug/l ug/l	<0.013 <0.013	<0.013 <0.013	<0.013 <0.013	<0.013 <0.013	<0.013 <0.013	<0.013 <0.013	<0.013 <0.013	<0.013 <0.013	<0.013 <0.013
Anthracene	ug/l	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013
Benzo(a)anthracene Benzo(a)pyrene	ug/l ug/l	<0.015 <0.016	<0.015 <0.016	<0.015 <0.016	<0.015 <0.016	<0.015 <0.016	<0.015 <0.016	<0.015 <0.016	<0.015 <0.016	<0.015 <0.016
Benzo(k)fluoranthene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(bk)fluoranthene Benzo(b)fluoranthene	ug/l ug/l	<0.018 <0.01	<0.018 <0.01	<0.018 <0.01	<0.018 <0.01	<0.018 <0.01	<0.018 <0.01	<0.018 <0.01	<0.018 <0.01	<0.018 <0.01
Benzo(ghi)perylene Chrysene	ug/l ug/l	<0.011 <0.011	<0.011 <0.011	<0.011 <0.011	<0.011 <0.011	<0.011 <0.011	<0.011 <0.011	<0.011 <0.011	<0.011 <0.011	<0.011 <0.011
Dibenzo(ah)anthracene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Fluoranthene Fluorene	ug/l ug/l	<0.012 <0.014	<0.012 <0.014	<0.012 <0.014	<0.012 <0.014	<0.012 <0.014	<0.012 <0.014	<0.012 <0.014	<0.012 <0.014	<0.012 <0.014
Indeno(123cd)pyrene Naphthalene	ug/l ug/l	<0.011 <0.1	<0.011 <0.1	<0.011 <0.1	<0.011 <0.1	<0.011 <0.1	<0.011 <0.1	<0.011 <0.1	<0.011	<0.011 <0.1
Phenanthrene	ug/l	< 0.011	0.02	0.02	<0.011	<0.011	<0.011	<0.011	0.02	<0.011
Pyrene PAH 17 Total	ug/l ug/l	<0.013 <0.195	<0.013 <0.195	<0.195	<0.013 <0.195	<0.013 <0.195	<0.013 <0.195	<0.013 <0.195	<0.195	<0.013 <0.195
SVOCs Pentachlorophenol		<1	<1	<1	<1	<1	<1	<1	<1	<1
2,4-Dinitrotoluene	ug/l ug/l	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2,6-Dinitrotoluene 2-Chloronaphthalene	ug/l ug/l	<1	<1		<1	<1	<1	<1	<1	<1
2-Methylnaphthalene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Nitroaniline 3-Nitroaniline	ug/l ug/l	<1 <1	<1 <1		<1 <1	<1	<1	<1	<1 <1	<1 <1
4-Methylphenol 4-Nitroaniline	ug/l ug/l	<1 <0.5	<1 <0.5	<1	<1 <0.5	<1 <0.5	<1 <0.5	<1 <0.5	<1 <0.5	<1 <0.5
4-Nitrophenol	ug/l	<10	<10	<10	<10	<10	<10	<10	<10	<10
Azobenzene Carbazole	ug/l ug/l	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5
Di-n-butyl phthalate	ug/l	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
Di-n-Octyl phthalate Dibenzofuran	ug/l ug/l	<1 <0.5	<1 <0.5	<1 <0.5	<1 <0.5	<1 <0.5	<1 <0.5	<1 <0.5	<1 <0.5	<1 <0.5
Hexachlorobenzene Hexachlorocyclopentadiene	ug/l ug/l	<1	<1 <1	<1	<1	<1	<1	<1	<1	<1 <1
Bis(2-chloroethyl)ether	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bis(2-ethylhexyl) phthalate	ug/l	<5	<5	<5	<5	<5	<5	<5	<5	<5

	Name	Date
Author:	WH	
Checked By:		
Approved By:		

Determinant	Unit	Minimum	Maximum	Count	Source	AGAC	Exceedance s of AECOM GACs
Arsenic	ug/l	<lod< td=""><td>4.1</td><td>9</td><td>WS Regs 2010 (Eng/Wal)</td><td>10 ug/l</td><td></td></lod<>	4.1	9	WS Regs 2010 (Eng/Wal)	10 ug/l	
Cadmium Hexavalent Chromium	ug/l mg/l	<lod <lod< td=""><td><lod <lod< td=""><td>9</td><td>WFD England/Wales. 2015 - AA-EQS Inla WFD England/Wales. 2015 - Freshwater</td><td>0.08 ug/l 0.0034 mg/l</td><td></td></lod<></lod </td></lod<></lod 	<lod <lod< td=""><td>9</td><td>WFD England/Wales. 2015 - AA-EQS Inla WFD England/Wales. 2015 - Freshwater</td><td>0.08 ug/l 0.0034 mg/l</td><td></td></lod<></lod 	9	WFD England/Wales. 2015 - AA-EQS Inla WFD England/Wales. 2015 - Freshwater	0.08 ug/l 0.0034 mg/l	
Chromium III Chromium	mg/l ug/l	<lod <lod< td=""><td><lod <lod< td=""><td>9</td><td>WFD England/Wales. 2015 - Freshwater : WFD England/Wales. 2015 - Freshwater :</td><td>0.0047 mg/l 4.7 ug/l</td><td></td></lod<></lod </td></lod<></lod 	<lod <lod< td=""><td>9</td><td>WFD England/Wales. 2015 - Freshwater : WFD England/Wales. 2015 - Freshwater :</td><td>0.0047 mg/l 4.7 ug/l</td><td></td></lod<></lod 	9	WFD England/Wales. 2015 - Freshwater : WFD England/Wales. 2015 - Freshwater :	0.0047 mg/l 4.7 ug/l	
Copper	ug/l	<lod <lod< td=""><td><lod< td=""><td>9</td><td>WFD England/Wales. 2015 - Freshwater :</td><td>1 ug/l</td><td></td></lod<></td></lod<></lod 	<lod< td=""><td>9</td><td>WFD England/Wales. 2015 - Freshwater :</td><td>1 ug/l</td><td></td></lod<>	9	WFD England/Wales. 2015 - Freshwater :	1 ug/l	
Lead Mercury	ug/l	<lod< td=""><td><lod <lod< td=""><td>9</td><td></td><td>1.2 ug/l LOD</td><td></td></lod<></lod </td></lod<>	<lod <lod< td=""><td>9</td><td></td><td>1.2 ug/l LOD</td><td></td></lod<></lod 	9		1.2 ug/l LOD	
Mercury Nickel	ug/l ug/l	<lod <lod< td=""><td><lod 8</lod </td><td>9</td><td>LOD WFD England/Wales. 2015 - AA-EQS Inla</td><td>LOD 4 ug/l</td><td>3</td></lod<></lod 	<lod 8</lod 	9	LOD WFD England/Wales. 2015 - AA-EQS Inla	LOD 4 ug/l	3
Selenium Vanadium	ug/l ug/l	<lod <lod< td=""><td>14 1.8</td><td>9</td><td>WS Regs 2010 (Eng/Wal) WFD England/Wales. 2015 - Freshwater</td><td>10 ug/l 10.9 ug/l</td><td>1</td></lod<></lod 	14 1.8	9	WS Regs 2010 (Eng/Wal) WFD England/Wales. 2015 - Freshwater	10 ug/l 10.9 ug/l	1
Zinc Boron	ug/l	<lod <lod< td=""><td>15 146</td><td>9</td><td>SEPA WAT-SG-53 Fresh EQS - AA - 201</td><td>20 ug/l 1000 ug/l</td><td></td></lod<></lod 	15 146	9	SEPA WAT-SG-53 Fresh EQS - AA - 201	20 ug/l 1000 ug/l	
Non Metals	ug/l			3	WS Regs 2010 (Eng/Wal)		
Total Cyanide Nitrate as NO3	mg/l mg/l	<lod <lod< td=""><td><lod 10.7<="" td=""><td>9</td><td>WFD England/Wales. 2015 - Freshwater S LOD</td><td>0.001 mg/l LOD</td><td>8</td></lod></td></lod<></lod 	<lod 10.7<="" td=""><td>9</td><td>WFD England/Wales. 2015 - Freshwater S LOD</td><td>0.001 mg/l LOD</td><td>8</td></lod>	9	WFD England/Wales. 2015 - Freshwater S LOD	0.001 mg/l LOD	8
pH Sulphide	pH units mg/l	<lod <lod< td=""><td><lod <lod< td=""><td>9</td><td>LOD LOD</td><td>LOD LOD</td><td></td></lod<></lod </td></lod<></lod 	<lod <lod< td=""><td>9</td><td>LOD LOD</td><td>LOD LOD</td><td></td></lod<></lod 	9	LOD LOD	LOD LOD	
Dissolved Organic Carbon Total Organic Carbon	mg/l	<lod <lod< td=""><td><lod 49</lod </td><td>9</td><td>LOD</td><td>LOD LOD</td><td></td></lod<></lod 	<lod 49</lod 	9	LOD	LOD LOD	
Sulphate	mg/l mg/l	<lod <lod< td=""><td>169.71</td><td>9</td><td></td><td>LOD</td><td>8</td></lod<></lod 	169.71	9		LOD	8
TPH compounds Benzene	ug/l	<lod< td=""><td><lod< td=""><td>9</td><td></td><td>1 ug/l</td><td></td></lod<></td></lod<>	<lod< td=""><td>9</td><td></td><td>1 ug/l</td><td></td></lod<>	9		1 ug/l	
Toluene Ethylbenzene	ug/l ug/l	<lod <lod< td=""><td>2.2 <lod< td=""><td>9</td><td>WFD England/Wales. 2015 - Freshwater SEPA WAT-SG-53 Fresh EQS - AA - 201</td><td>74 ug/l 20 ug/l</td><td></td></lod<></td></lod<></lod 	2.2 <lod< td=""><td>9</td><td>WFD England/Wales. 2015 - Freshwater SEPA WAT-SG-53 Fresh EQS - AA - 201</td><td>74 ug/l 20 ug/l</td><td></td></lod<>	9	WFD England/Wales. 2015 - Freshwater SEPA WAT-SG-53 Fresh EQS - AA - 201	74 ug/l 20 ug/l	
o-Xylene p/m-Xylene	ug/l ug/l	<lod <lod< td=""><td><lod <lod< td=""><td>9</td><td>USEPA RSL (tapwater)</td><td>190 ug/l 190 ug/l</td><td></td></lod<></lod </td></lod<></lod 	<lod <lod< td=""><td>9</td><td>USEPA RSL (tapwater)</td><td>190 ug/l 190 ug/l</td><td></td></lod<></lod 	9	USEPA RSL (tapwater)	190 ug/l 190 ug/l	
Methyl Tertiary Butyl Ether	ug/l	<lod <lod< td=""><td><lod <lod< td=""><td></td><td>WHO DWG 2011</td><td>15 ug/l</td><td></td></lod<></lod </td></lod<></lod 	<lod <lod< td=""><td></td><td>WHO DWG 2011</td><td>15 ug/l</td><td></td></lod<></lod 		WHO DWG 2011	15 ug/l	
Ali_>C5-C6	ug/l	<lod< td=""><td><lod< td=""><td></td><td>WHO Petroleum DWG 2008</td><td>15000 ug/l</td><td></td></lod<></td></lod<>	<lod< td=""><td></td><td>WHO Petroleum DWG 2008</td><td>15000 ug/l</td><td></td></lod<>		WHO Petroleum DWG 2008	15000 ug/l	
Ali_>C6-C9 Ali_>C8-C11	ug/l ug/l	<lod <lod< td=""><td><lod <lod< td=""><td>9</td><td></td><td>15000 ug/l 300 ug/l</td><td></td></lod<></lod </td></lod<></lod 	<lod <lod< td=""><td>9</td><td></td><td>15000 ug/l 300 ug/l</td><td></td></lod<></lod 	9		15000 ug/l 300 ug/l	
Ali_>C10-C13 Ali_>C12-C17	ug/l ug/l	<lod <lod< td=""><td>9</td><td>9</td><td></td><td>300 ug/l 300 ug/l</td><td>- 1</td></lod<></lod 	9	9		300 ug/l 300 ug/l	- 1
Ali_>C16-C22	ug/l	<lod< td=""><td>10</td><td>9</td><td>LOD</td><td>LOD</td><td>i</td></lod<>	10	9	LOD	LOD	i
Ali >C21-C36 Aliphatics >C35-C44	ug/l ug/l	<lod <lod< td=""><td><lod 1299</lod </td><td></td><td>LOD AGAC</td><td>LOD LOD</td><td>1</td></lod<></lod 	<lod 1299</lod 		LOD AGAC	LOD LOD	1
Arom_>EC5-EC7	ug/l	<lod <lod< td=""><td><lod< td=""><td>9</td><td>WS Regs 2010 (Eng/Wal)</td><td>1 ug/l</td><td></td></lod<></td></lod<></lod 	<lod< td=""><td>9</td><td>WS Regs 2010 (Eng/Wal)</td><td>1 ug/l</td><td></td></lod<>	9	WS Regs 2010 (Eng/Wal)	1 ug/l	
Arom_>EC7-EC9 Arom_>EC8-EC11	ug/l ug/l	<lod <lod< td=""><td><lod <lod< td=""><td>9</td><td></td><td>74 ug/l 300 ug/l</td><td></td></lod<></lod </td></lod<></lod 	<lod <lod< td=""><td>9</td><td></td><td>74 ug/l 300 ug/l</td><td></td></lod<></lod 	9		74 ug/l 300 ug/l	
Arom_>EC10-EC13	ug/l	<lod< td=""><td>80</td><td>9</td><td>WHO Petroleum DWG 2008</td><td>90 ug/l</td><td></td></lod<>	80	9	WHO Petroleum DWG 2008	90 ug/l	
Arom_>EC12-EC17 Arom_>EC16-EC22	ug/l ug/l	<lod <lod< td=""><td><lod <lod< td=""><td>9</td><td>WHO Petroleum DWG 2008 WHO Petroleum DWG 2008</td><td>90 ug/l 90 ug/l</td><td></td></lod<></lod </td></lod<></lod 	<lod <lod< td=""><td>9</td><td>WHO Petroleum DWG 2008 WHO Petroleum DWG 2008</td><td>90 ug/l 90 ug/l</td><td></td></lod<></lod 	9	WHO Petroleum DWG 2008 WHO Petroleum DWG 2008	90 ug/l 90 ug/l	
Arom_>EC21-EC36 PCBs	ug/l	<lod< td=""><td>80</td><td>9</td><td>WHO Petroleum DWG 2008</td><td>90 ug/l</td><td>1</td></lod<>	80	9	WHO Petroleum DWG 2008	90 ug/l	1
Total 7 PCBs PCB 101	ug/l ug/l	<lod <lod< td=""><td><lod <lod< td=""><td>10 10</td><td>USEPA RSL (tapwater) LOD</td><td>0.044 ug/l LOD</td><td></td></lod<></lod </td></lod<></lod 	<lod <lod< td=""><td>10 10</td><td>USEPA RSL (tapwater) LOD</td><td>0.044 ug/l LOD</td><td></td></lod<></lod 	10 10	USEPA RSL (tapwater) LOD	0.044 ug/l LOD	
PCB 118	ug/l	<lod< td=""><td><lod< td=""><td>10</td><td>LOD</td><td>LOD</td><td></td></lod<></td></lod<>	<lod< td=""><td>10</td><td>LOD</td><td>LOD</td><td></td></lod<>	10	LOD	LOD	
PCB 138 PCB 153	ug/l ug/l	<lod <lod< td=""><td><lod <lod< td=""><td>10</td><td></td><td>LOD LOD</td><td></td></lod<></lod </td></lod<></lod 	<lod <lod< td=""><td>10</td><td></td><td>LOD LOD</td><td></td></lod<></lod 	10		LOD LOD	
PCB 180 PCB 28	ug/l ug/l	<lod <lod< td=""><td><lod <lod< td=""><td>10 10</td><td>LOD</td><td>LOD LOD</td><td></td></lod<></lod </td></lod<></lod 	<lod <lod< td=""><td>10 10</td><td>LOD</td><td>LOD LOD</td><td></td></lod<></lod 	10 10	LOD	LOD LOD	
PCB 52 Phenol	ug/l	<lod< td=""><td><lod< td=""><td>10</td><td>LOD</td><td>LOD</td><td></td></lod<></td></lod<>	<lod< td=""><td>10</td><td>LOD</td><td>LOD</td><td></td></lod<>	10	LOD	LOD	
Phenol	ug/l	<lod< td=""><td><lod< td=""><td></td><td>WFD England/Wales. 2015 - Freshwater</td><td>7.7 ug/l</td><td></td></lod<></td></lod<>	<lod< td=""><td></td><td>WFD England/Wales. 2015 - Freshwater</td><td>7.7 ug/l</td><td></td></lod<>		WFD England/Wales. 2015 - Freshwater	7.7 ug/l	
2-Chlorophenol 2-Methylphenol	ug/l ug/l	<lod <lod< td=""><td><lod <lod< td=""><td></td><td>LOD</td><td>0.1 ug/l LOD</td><td></td></lod<></lod </td></lod<></lod 	<lod <lod< td=""><td></td><td>LOD</td><td>0.1 ug/l LOD</td><td></td></lod<></lod 		LOD	0.1 ug/l LOD	
2,4-Dichlorophenol 2-Nitrophenol	ug/l ug/l	<lod <lod< td=""><td><lod <lod< td=""><td></td><td>AGAC AGAC</td><td>0.3 ug/l LOD</td><td>-</td></lod<></lod </td></lod<></lod 	<lod <lod< td=""><td></td><td>AGAC AGAC</td><td>0.3 ug/l LOD</td><td>-</td></lod<></lod 		AGAC AGAC	0.3 ug/l LOD	-
2.4.5-Trichlorophenol 4-Chloro-3-methylphenol	ug/l ug/l	<lod <lod< td=""><td><lod <lod< td=""><td>9</td><td>AGAC</td><td>1200 ug/l 1400 ug/l</td><td></td></lod<></lod </td></lod<></lod 	<lod <lod< td=""><td>9</td><td>AGAC</td><td>1200 ug/l 1400 ug/l</td><td></td></lod<></lod 	9	AGAC	1200 ug/l 1400 ug/l	
4-Methylphenol	ug/l	<lod< td=""><td><lod< td=""><td>9</td><td>LOD</td><td>LOD</td><td></td></lod<></td></lod<>	<lod< td=""><td>9</td><td>LOD</td><td>LOD</td><td></td></lod<>	9	LOD	LOD	
4-Nitrophenol 2,4-Dimethylphenol	ug/l ug/l	<lod <lod< td=""><td><lod <lod< td=""><td>9</td><td></td><td>LOD LOD</td><td></td></lod<></lod </td></lod<></lod 	<lod <lod< td=""><td>9</td><td></td><td>LOD LOD</td><td></td></lod<></lod 	9		LOD LOD	
2,4,6-Trichlorophenol Poly Aromatic Hydrocarbons	ug/l	<lod< td=""><td><lod< td=""><td>9</td><td></td><td>200 ug/l</td><td></td></lod<></td></lod<>	<lod< td=""><td>9</td><td></td><td>200 ug/l</td><td></td></lod<>	9		200 ug/l	
Acenaphthene	ug/l	<lod< td=""><td><lod< td=""><td>9</td><td>AECOM DWG (WHO method)</td><td>18 ug/l</td><td></td></lod<></td></lod<>	<lod< td=""><td>9</td><td>AECOM DWG (WHO method)</td><td>18 ug/l</td><td></td></lod<>	9	AECOM DWG (WHO method)	18 ug/l	
Acenaphthylene Anthracene	ug/l ug/l	<lod <lod< td=""><td><lod <lod< td=""><td>9</td><td>AECOM DWG (WHO method)</td><td>18 ug/l 0.1 ug/l</td><td></td></lod<></lod </td></lod<></lod 	<lod <lod< td=""><td>9</td><td>AECOM DWG (WHO method)</td><td>18 ug/l 0.1 ug/l</td><td></td></lod<></lod 	9	AECOM DWG (WHO method)	18 ug/l 0.1 ug/l	
Benzo(a)anthracene	ug/l	<lod <lod< td=""><td><lod <lod< td=""><td>9</td><td>AECOM DWG (WHO method) WFD England/Wales. 2015 - AA-EQS Inia</td><td>3.5 ug/l 0.00017 ug/l</td><td></td></lod<></lod </td></lod<></lod 	<lod <lod< td=""><td>9</td><td>AECOM DWG (WHO method) WFD England/Wales. 2015 - AA-EQS Inia</td><td>3.5 ug/l 0.00017 ug/l</td><td></td></lod<></lod 	9	AECOM DWG (WHO method) WFD England/Wales. 2015 - AA-EQS Inia	3.5 ug/l 0.00017 ug/l	
Benzo(a)pyrene Benzo(k)fluoranthene	ug/l ug/l	<lod< td=""><td><lod< td=""><td>9</td><td>WFD England/Wales. 2015 - MAC-EQS II</td><td>0.017 ug/l</td><td></td></lod<></td></lod<>	<lod< td=""><td>9</td><td>WFD England/Wales. 2015 - MAC-EQS II</td><td>0.017 ug/l</td><td></td></lod<>	9	WFD England/Wales. 2015 - MAC-EQS II	0.017 ug/l	
Benzo(bk)fluoranthene Benzo(b)fluoranthene	ug/l ug/l	<lod <lod< td=""><td><lod <lod< td=""><td>9</td><td></td><td>0.017 ug/l 0.017 ug/l</td><td></td></lod<></lod </td></lod<></lod 	<lod <lod< td=""><td>9</td><td></td><td>0.017 ug/l 0.017 ug/l</td><td></td></lod<></lod 	9		0.017 ug/l 0.017 ug/l	
Benzo(ghi)perylene Chrysene	ug/l ug/l	<lod <lod< td=""><td><lod <lod< td=""><td>9</td><td></td><td>0.0082 ug/l 7 ug/l</td><td></td></lod<></lod </td></lod<></lod 	<lod <lod< td=""><td>9</td><td></td><td>0.0082 ug/l 7 ug/l</td><td></td></lod<></lod 	9		0.0082 ug/l 7 ug/l	
Dibenzo(ah)anthracene	ug/l	<lod< td=""><td><lod< td=""><td>9</td><td>AECOM DWG (WHO method) WFD England/Wales, 2015 - AA-EQS Inla</td><td>0.07 ug/l</td><td></td></lod<></td></lod<>	<lod< td=""><td>9</td><td>AECOM DWG (WHO method) WFD England/Wales, 2015 - AA-EQS Inla</td><td>0.07 ug/l</td><td></td></lod<>	9	AECOM DWG (WHO method) WFD England/Wales, 2015 - AA-EQS Inla	0.07 ug/l	
Fluoranthene Fluorene	ug/l ug/l	<lod <lod< td=""><td><lod <lod< td=""><td>9</td><td>AECOM DWG (WHO method)</td><td>0.0063 ug/l 12 ug/l</td><td></td></lod<></lod </td></lod<></lod 	<lod <lod< td=""><td>9</td><td>AECOM DWG (WHO method)</td><td>0.0063 ug/l 12 ug/l</td><td></td></lod<></lod 	9	AECOM DWG (WHO method)	0.0063 ug/l 12 ug/l	
Indeno(123cd)pyrene Naphthalene	ug/l ug/l	<lod <lod< td=""><td><lod 0.1</lod </td><td>9</td><td></td><td>LOD 2 ug/l</td><td></td></lod<></lod 	<lod 0.1</lod 	9		LOD 2 ug/l	
Phenanthrene Pyrene	ug/l ug/l	<lod <lod< td=""><td>0.02 0.04</td><td>9</td><td></td><td>4 ug/l 9 ug/l</td><td></td></lod<></lod 	0.02 0.04	9		4 ug/l 9 ug/l	
SVOCs	ug/l	<lod <lod< td=""><td><lod< td=""><td>9</td><td></td><td>3.</td><td></td></lod<></td></lod<></lod 	<lod< td=""><td>9</td><td></td><td>3.</td><td></td></lod<>	9		3.	
Pentachlorophenol	ug/l	<lod< td=""><td><lod< td=""><td></td><td>WFD England/Wales. 2015 - AA-EQS Inla</td><td>0.4 ug/l</td><td></td></lod<></td></lod<>	<lod< td=""><td></td><td>WFD England/Wales. 2015 - AA-EQS Inla</td><td>0.4 ug/l</td><td></td></lod<>		WFD England/Wales. 2015 - AA-EQS Inla	0.4 ug/l	
2,4-Dinitrotoluene 2,6-Dinitrotoluene	ug/l ug/l	<lod <lod< td=""><td><lod <lod< td=""><td>9</td><td>USEPA RSL (tapwater)</td><td>0.24 ug/l 0.048 ug/l</td><td></td></lod<></lod </td></lod<></lod 	<lod <lod< td=""><td>9</td><td>USEPA RSL (tapwater)</td><td>0.24 ug/l 0.048 ug/l</td><td></td></lod<></lod 	9	USEPA RSL (tapwater)	0.24 ug/l 0.048 ug/l	
2-Chloronaphthalene 2-Methylnaphthalene	ug/l ug/l	<lod <lod< td=""><td><lod <lod< td=""><td>9</td><td>USEPA RSL (tapwater) USEPA RSL (tapwater)</td><td>750 ug/l 164200 ug/l</td><td>-</td></lod<></lod </td></lod<></lod 	<lod <lod< td=""><td>9</td><td>USEPA RSL (tapwater) USEPA RSL (tapwater)</td><td>750 ug/l 164200 ug/l</td><td>-</td></lod<></lod 	9	USEPA RSL (tapwater) USEPA RSL (tapwater)	750 ug/l 164200 ug/l	-
2-Nitroaniline	ug/l	<lod <lod< td=""><td><lod <lod< td=""><td>9</td><td>USEPA RSL (tapwater)</td><td>190 ug/l LOD</td><td></td></lod<></lod </td></lod<></lod 	<lod <lod< td=""><td>9</td><td>USEPA RSL (tapwater)</td><td>190 ug/l LOD</td><td></td></lod<></lod 	9	USEPA RSL (tapwater)	190 ug/l LOD	
3-Nitroaniline 4-Methylphenol	ug/l ug/l	<lod< td=""><td><lod< td=""><td>9</td><td></td><td>1900 ug/l</td><td></td></lod<></td></lod<>	<lod< td=""><td>9</td><td></td><td>1900 ug/l</td><td></td></lod<>	9		1900 ug/l	
4-Nitrophenol	ug/l ug/l	<lod <lod< td=""><td><lod <lod< td=""><td>9</td><td>LOD</td><td>3.8 ug/l LOD</td><td></td></lod<></lod </td></lod<></lod 	<lod <lod< td=""><td>9</td><td>LOD</td><td>3.8 ug/l LOD</td><td></td></lod<></lod 	9	LOD	3.8 ug/l LOD	
Azobenzene Carbazole	ug/l ug/l	<lod <lod< td=""><td><lod <lod< td=""><td>9</td><td>USEPA RSL (tapwater)</td><td>0.12 ug/l LOD</td><td></td></lod<></lod </td></lod<></lod 	<lod <lod< td=""><td>9</td><td>USEPA RSL (tapwater)</td><td>0.12 ug/l LOD</td><td></td></lod<></lod 	9	USEPA RSL (tapwater)	0.12 ug/l LOD	
Di-n-butyl phthalate	ug/l	<lod <lod< td=""><td><lod <lod< td=""><td>9</td><td>SEPA WAT-SG-53 Fresh EQS - AA - 201</td><td>8 ug/l</td><td></td></lod<></lod </td></lod<></lod 	<lod <lod< td=""><td>9</td><td>SEPA WAT-SG-53 Fresh EQS - AA - 201</td><td>8 ug/l</td><td></td></lod<></lod 	9	SEPA WAT-SG-53 Fresh EQS - AA - 201	8 ug/l	
Di-n-Octyl phthalate Dibenzofuran	ug/l	<lod< td=""><td><lod< td=""><td>9</td><td>USEPA RSL (tapwater)</td><td>20 ug/l 7.9 ug/l</td><td></td></lod<></td></lod<>	<lod< td=""><td>9</td><td>USEPA RSL (tapwater)</td><td>20 ug/l 7.9 ug/l</td><td></td></lod<>	9	USEPA RSL (tapwater)	20 ug/l 7.9 ug/l	
Hexachlorocyclopentadiene	ug/l ug/l	<lod <lod< td=""><td><lod <lod< td=""><td>9</td><td>WFD England/Wales. 2015 - MAC-EQS II USEPA RSL (tapwater)</td><td>0.05 ug/l 0.41 ug/l</td><td></td></lod<></lod </td></lod<></lod 	<lod <lod< td=""><td>9</td><td>WFD England/Wales. 2015 - MAC-EQS II USEPA RSL (tapwater)</td><td>0.05 ug/l 0.41 ug/l</td><td></td></lod<></lod 	9	WFD England/Wales. 2015 - MAC-EQS II USEPA RSL (tapwater)	0.05 ug/l 0.41 ug/l	
Bis(2-chloroethyl)ether Bis(2-ethylhexyl) phthalate	ug/l ug/l	<lod <lod< td=""><td><lod <lod< td=""><td>9</td><td>USEPA RSL WFD England/Wales. 2015 - AA-EQS Inla</td><td>2500 ug/l 1.3 ug/l</td><td></td></lod<></lod </td></lod<></lod 	<lod <lod< td=""><td>9</td><td>USEPA RSL WFD England/Wales. 2015 - AA-EQS Inla</td><td>2500 ug/l 1.3 ug/l</td><td></td></lod<></lod 	9	USEPA RSL WFD England/Wales. 2015 - AA-EQS Inla	2500 ug/l 1.3 ug/l	
	-9.				England France. 2010 - PIN-EQO IIII	ugri	

Exploratory Hole			BH101	BH102	BH103	BH105	BH106	BH108	BH109	BH112
Depth			5.00-7.00	8.00-10.00	11.00-14.00	9.50-12.00	5.00-7.00	18.00 - 21.00	18.00-20.00	12.80 - 14.80
Target		LOD	Chester Pebble Beds	Chester Pebble Beds	Chester Pebble Beds	Chester Pebble Beds	Chester Pebble Beds	Chester Pebble Beds	Chester Pebble Beds	Chester Pebble Beds
2-Nitrophenol	ug/l	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
4-Chloroaniline	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1
Nitrobenzene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1
Isophorone Hexachlorobutadiene	ug/l ug/l	<0.5	<0.5 <3	<0.5	<0.5	<0.5	<0.5 <3	<0.5	<0.5	<0.5
Hexachloroethane	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1
Butylbenzyl phthalate	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1
Diethyl phthalate	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dimethyl phthalate	ug/l ug/l	<1 <1	<1	<1	<1	<1	<1	<1	<1	<1
4-Bromophenylphenylether 1,2,4-Trichlorobenzene	ug/l	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,3-Dichlorobenzene	ug/l	<3	<3	<3	<3	<3	<3	<3	<3	<3
Bis(2-chloroethoxy)methane	ug/l	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
4-Chlorophenylphenylether	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1
VOCs	_									
Vinyl Chloride Trichloroethene (TCF)	ug/l ug/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1 <3	<0.1
Carbon tetrachloride	ug/l	<2	<2	<2	<2	<2	<2	<2	<2	<2
Chlorobenzene	ug/l	<2	<2	<2	<2	<2	<2	<2	<2	<2
Chloroform	ug/l	<2	<2	<2	<2	<2	<2	<2	5	<2
1,1,1,2-Tetrachloroethane	ug/l	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1,1-Trichloroethane	ug/l	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,3-Dichlorobenzene	ug/l	<3	<3	<3	<3	<3 <3	<3	<3	<3	<3 <3
1,4-Dichlorobenzene Tetrachloroethene (PCE)	ug/l ug/l	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,1,2-Trichloroethane	ug/l	<2	2	2	<2	<2	<2	2	<2	√2
1,1-Dichloroethane	ug/l	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,1-Dichloroethene (1,1 DCE)	ug/l	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,1-Dichloropropene	ug/l	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,2,3-Trichloropropane	ug/l	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,2,4-Trimethylbenzene 1,2-Dibromoethane	ug/l ug/l	<3	<3	<3	<3	<3 2	<3	<3	<2	<3
1,2-Dichlorobenzene	ug/l	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,2-Dichloroethane	ug/l	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,2-Dichloropropane	ug/l	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,3,5-Trimethylbenzene	ug/l	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,3-Dichloropropane	ug/l	<2	<2	<2	<2	<2	<2	<2	<2	<2
2,2-Dichloropropane	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Chlorotoluene 4-Chlorotoluene	ug/l ug/l	<3	<3	<3	<3	<3	<3	<3	<3	<3
Bromobenzene	ug/l	<2	2	2	<2	<2	2	2	<2	√2
Bromochloromethane	ug/l	<2	<2	<2	<2	<2	<2	<2	<2	<2
Bromodichloromethane	ug/l	<2	<2	<2	<2	<2	<2	<2	<2	<2
Bromoform	ug/l	<2	<2	<2	<2	<2	<2	<2	<2	<2
cis-1-2-Dichloroethene	ug/l	<3	<3	<3	<3	<3 <2	<3	<3	<3 <2	<3
cis-1-3-Dichloropropene Dibromomethane	ug/l ug/l	<3	<3	<3	<3	<3	<3	<3	<3	<3
4-Isopropyltoluene	ug/l	<3	<3	<3	<3	<3	<3	<3	<3	<3
Styrene	ug/l	<2	<2	<2	<2	<2	<2	<2	<2	<2
trans-1-3-Dichloropropene	ug/l	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1,2,2-Tetrachloroethane	ug/l	<4	<4	<4	<4	<4	<4	<4	<4	<4
Bromomethane	ug/l	<1	<1 <3	<1	<1	<1	<1	<1	<1	<1
Chloroethane Chloromethane	ug/l ug/l	<3	<3	<3	<3	<3 <3	<3	<3	<3 <3	<3
Isopropylbenzene	ug/l	<3	<3	<3	<3	<3	<3	<3	<3	<3
Dichlorodifluoromethane	ug/l	<2	<2	<2	<2	<2	<2	<2	<2	<2
sec-Butylbenzene	ug/l	<3	<3	<3	<3	<3	<3	<3	<3	<3
tert-Butylbenzene	ug/l	<3	<3	<3	<3	<3	<3	<3	<3	<3
trans-1-2-Dichloroethene	ug/l	<3	<3	<3	<3	<3	<3	<3	<3	<3
Dichloromethane (DCM) Trichlorofluoromethane	ug/l ug/l	<3	<3	<3	<3	<3 <3	<3	<3	<3	<3 <3
1,2,3-Trichlorobenzene	ug/l	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,2,4-Trichlorobenzene	ug/l	<3	<3	<3	<3	<3	<3	<3	<3	<3
1,2-Dibromo-3-chloropropane	ug/l	<2	<2	<2	<2	<2	<2	<2	<2	<2
n-Butylbenzene	ug/l	<3	<3	<3	<3	<3	<3	<3	<3	<3
Dibromochloromethane	ug/l	<2	<2	<2	<2	<2	<2	<2	<2	<2
Propylbenzene 1,2-Dibromo-3-chloropropane	ug/l ug/l	<3	<3	<3	<3	<3 <2	<3	<3	<3 <2	<3
Others	ugn	\ <u></u>	\ <u></u>	~~	~~	~~	~_	~_	~	~
1-naphthol	ug/l	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2-isopropylphenol	ug/l	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Catechol	ug/l	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Resorcinol	ug/l	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Xylenols m/n grocol	ug/l ug/l	<0.5	<0.5 <0.5							
m/p-cresol o-cresol	ug/l	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total cresols	ug/l	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2,3,5-trimethyl phenol	ug/l	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

2-Nitrophenol	Source AGAC	1
4-Chloroaniline	SILOD	1
4-Chloroaniline	SILOD	1
4-Chloroaniline	SILOD	1
Nitrobenzene	SUSEPA RSL (tapwater) 78 ug/1	1
Hexachlorobutadiene	SWHO DWG 2011	1
Hexachloroethane	SUSEPA RSL (tapwater) 0.33 ug/l	1
Buylbenzyl phthalate	9 WFD EnglandWales. 2015 - Freshwater	1
Dimethyl phthalate	SEPA WAT-SG-53 Fresh EQS - AA - 201 200 ug/l QLD QD QD QD QD QD QD Q	1
Dimethyl phthalate	SLOD	1
4-Bromophenylphenylether	SUSEPA RSL (tapwater) 13 ug/l	1
1.2.4-Trichlorobenzene	SUSEPA RSL (tapwater)	1
1.3-Dichlorobenzene	9 LOD LOD 9 LOD 59 ug/l 9 AGAC LOD 100 100 100 100 100 100 100 100 100 10	1
Bis 2-chloroethoxy methane Ug/l <lod <lod="" <lod<="" td="" =""><td> SUSEPA RSL (tapwater) S9 ug/l </td><td>1</td></lod>	SUSEPA RSL (tapwater) S9 ug/l	1
4-Chlorophenylphenylether ug/l cLOD 9 AGAC LOD 9 LOD LOD 10D 10D 10D 10D 10D 10D 10D 10D 10D 10	1	
Vivin/ Chloride	SUDD	1
Trichloroethene (TCE)	SUDD	1
Carbon tetrachloride	9 WS Regs 2010 (Eng/Wal) 3 ug/1 9 WHO DWG 2011 300 ug/1 9 WFD England/Wales, 2015 - AA-EQS Inis 2.5 ug/1 9 USEPA RSL (tapwater) 2.50 ug/1 9 USEPA RSL (tapwater) 2000 ug/1 9 USEPA RSL (tapwater) 300 ug/1 9 UWFD DWG 2011 300 ug/1 9 UWFD England/Wales, 2015 - AA-EQS Inis 10 ug/1 9 USEPA RSL (tapwater) 2.28 ug/1 9 USEPA RSL (tapwater) 2.7 ug/1 9 USEPA RSL (tapwater) 1.00 ug/1 9 USEPA RSL (tapwater) 2.00075 ug/1 9 USEPA RSL (tapwater) 26100 ug/1 9 USEPA RSL (tapwater) 26100 ug/1 9 USEPA RSL (tapwater) 26100 ug/1 9 USEPA RSL (tapwater) 26100 ug/1 9 USEPA RSL (tapwater) 26100 ug/1 9 USEPA RSL (tapwater) 0.4 ug/1 9 USEPA WSL (tapwater) 1000 ug/1 9 USEPA WSL (tapwater) 10	1
Chlorobenzene	SWHO DWG 2011 300 ug/l	1
Chloroform	9 WFD EnglandWates. 2015 - AA-EQS Init 2.5 ug1 9 USEPA RSL (tapwater) 2000 ug/1 9 UND WHO DWG 2011 2000 ug/1 9 UND WHO DWG 2011 300 ug/1 9 WFD EnglandWates. 2015 - AA-EQS Init 10 ug/1 9 WFD EnglandWates. 2015 - AA-EQS Init 10 ug/1 9 USEPA RSL (tapwater) 2.28 ug/1 9 USEPA RSL (tapwater) 2.7 ug/1 9 U.OD LOD 1.0D 1.0D 1.0D 1.0D 1.0D 1.0D 1.0D 1.0	1
1,1,1,2-Tetrachloroethane	9 USEPA RSL (tapwater) 0.57 ug/l 9 WHO DWG 2011 2000 ug/l 9 LOD LOD 9 WHO DWG 2011 3000 ug/l 9 WFD England/Males. 2015 - AA-EQS Ink 10 ug/l 9 USEPA RSL (tapwater) 0.28 ug/l 9 LOD LOD 1 LOD 9 USEPA RSL (tapwater) 2.7 ug/l 9 LOD LOD 9 USEPA RSL (tapwater) 0.00075 ug/l 9 USEPA RSL (tapwater) 26100 ug/l 9 USEPA RSL (tapwater) 26100 ug/l 9 WHO DWG 2011 0.4 ug/l 9 WHO DWG 2011 1000 ug/l	1
1,1,1-frichloroethane	9 WHO DWG 2011 2000 ug/l 9 LOD 100 100 100 100 ug/l 9 WHO DWG 2011 300 ug/l 9 WES PA RSL (tapwater) 2.7 ug/l 9 USEPA RSL (tapwater) 2.7 ug/l 9 USEPA RSL (tapwater) 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	
1.3-Dichlorobenzene	9 LOD LOD 300 ug/l 300 ug/l 300 ug/l 9 WHO DWG 2011 300 ug/l 9 WFD England/Wales. 2015 - AA-EQS Inla 10 ug/l 9 USEPA RSL (tapwater) 0.28 ug/l 9 USEPA RSL (tapwater) 2.7 ug/l 9 LOD LOD LOD LOD 10 Ug/l 9 USEPA RSL (tapwater) 0.00075 ug/l 9 USEPA RSL (tapwater) 0.00075 ug/l 9 USEPA RSL (tapwater) 26100 ug/l 9 USEPA RSL (tapwater) 0.00075 ug/l 9 USEPA RSL (tapwater) 0.4 ug/l 9 WHO DWG 2011 0.4 ug/l 9 WHO DWG 2011 1000 ug/l	
1.4-Dichlorobenzene	SWHO DWG 2011 300 upf	
Tetrachloroethene (PCE)	9 WFD England/Wales. 2015 - AA-EQS Inla 10 ug/l 9 USEPA RSL (tapwater)	
1.1.2-Trichloroethane	9 USEPA RSL (tapwater) 0.28 ug/l 9 USEPA RSL (tapwater) 2.7 ug/l 9 LOD LOD 9 LOD LOD 9 LOD LOD 9 USEPA RSL (tapwater) 0.00075 ug/l 9 USEPA RSL (tapwater) 26100 ug/l 9 USEPA RSL (tapwater) 26100 ug/l 9 WHO DWG 2011 0.4 ug/l 9 WHO DWG 2011 1000 ug/l	
1.1-Dichloroethane	9 USEPA RSL (tapwater) 2.7 ug/l 9 LOD LOD 9 LOD LOD 9 LOD LOD 9 LOD LOD 9 USEPA RSL (tapwater) 0.00075 ug/l 9 USEPA RSL (tapwater) 28100 ug/l 9 WHO DWG 2011 0.4 ug/l 9 WHO DWG 2011 1000 ug/l	
1.1-Dichloroethene (1.1 DCE)	9 LOD LOD 9 LOD LOD 100 LOD 9 USEPA RSL (tapwater) 0.00075 ug/l 9 USEPA RSL (tapwater) 26100 ug/l 9 USEPA RSL (tapwater) 26100 ug/l 9 WHO DWG 2011 0.4 ug/l 1000 ug/l	
1.1-Dichloropropene ug/l <t.od< td=""> <t.od< td=""> 1.2-2-Trindthylbenzene ug/l <t.od< td=""> <t.od< td=""> 1.2-2-Trindthylbenzene ug/l <t.od< td=""> <t.od< td=""> 1.2-Dichloropenzene ug/l <t.od< td=""> <t.od< td=""> 1.2-Dichloropenzene ug/l <t.od< td=""> <t.od< td=""> 1.2-Dichloropenzene ug/l <t.od< td=""> <t.od< td=""> 1.2-Dichloropropane ug/l <t.od< td=""> <t.od< td=""> 1.3-Dichloropropane ug/l <t.od< td=""> <t.od< td=""> 2.2-Dichloropropane ug/l <t.od< td=""> <t.od< td=""> 2.2-Dichloropropane ug/l <t.od< td=""> <t.od< td=""> 2.2-Dichloropropane ug/l <t.od< td=""> <t.od< td=""> 4-Chlorotoluene ug/l <t.od< td=""> <t.od< td=""> 4-Chlorotoluene ug/l <t.od< td=""> <t.od< td=""> Bromochloromethane ug/l <t.od< td=""> <t.od< td=""> Bromochloromethane ug/l <t.od< td=""> <t.od< td=""> Bromodofinomethane ug/l <t.od< td=""> <t.od< td=""> usi-1-2-Dichloropropene ug/</t.od<></t.od<></t.od<></t.od<></t.od<></t.od<></t.od<></t.od<></t.od<></t.od<></t.od<></t.od<></t.od<></t.od<></t.od<></t.od<></t.od<></t.od<></t.od<></t.od<></t.od<></t.od<></t.od<></t.od<></t.od<></t.od<></t.od<></t.od<></t.od<></t.od<></t.od<></t.od<>	9 USEPA RSL (tapwater) 0.00075 ug/l 9 USEPA RSL (tapwater) 26100 ug/l 9 WHO DWG 2011 0.4 ug/l 9 WHO DWG 2011 1000 ug/l	
1.2.3-Trichloropropane	9 USEPA RSL (tapwater) 26100 ug/l 9 WHO DWG 2011 0.4 ug/l 9 WHO DWG 2011 1000 ug/l	
1,2,4-frimethylbenzene	9 WHO DWG 2011 0.4 ug/l 9 WHO DWG 2011 1000 ug/l	
1.2 Dichlorobenzene	9 WHO DWG 2011 1000 ug/l	
1,2-Dichloroethane	9 WHO DWG 2011 1000 ug/l 9 WS Regs 2010 (Eng/Wal) 3 ug/l	
1.2-Dichloropropane	9 WS Regs 2010 (Eng/Wal) 3 ug/l	
1.3.5-trimethylbenzene		
1.3-Dichloropropane	9 WHO DWG 2011 40 ug/l	
2.2-Dichloropropane	9 USEPA RSL (tapwater) 120 ug/l	
2-Chirotoluene	9 USEPA RSL (tapwater) 370 ug/l	
4-Chlorotoluene	9 USEPA RSL (tapwater) 240 ug/l	_
Bromocherzene	9 USEPA RSL (tapwater) 250 ug/l	
Bromochloromethane	9 USEPA RSL (tapwater) 62 ug/l	_
Bromodich oromethane	9 USEPA RSL (tapwater) 83 ug/l	
cis-1-2-Dichloroethene ug/l <t.od< th=""> <t.od< th=""> cis-1-3-Dichloropropene ug/l <t.od< td=""> <t.od< td=""> Dibromomethane ug/l <t.od< td=""> <t.od< td=""> 4-Isopropyltoluene ug/l <t.od< td=""> <t.od< td=""> Styrene ug/l <t.od< td=""> <t.od< td=""></t.od<></t.od<></t.od<></t.od<></t.od<></t.od<></t.od<></t.od<></t.od<></t.od<>	9 LOD LOD	
cis-1-2-Dichloroethene ug/l <lod< th=""> <lod< th=""> cis-1-3-Dichloropropene ug/l <lod< td=""> <lod< td=""> Dibromomethane ug/l <lod< td=""> <lod< td=""> 4-Isopropyltoluene ug/l <lod< td=""> <lod< td=""> Styrene ug/l <lod< td=""> <lod< td=""></lod<></lod<></lod<></lod<></lod<></lod<></lod<></lod<></lod<></lod<>	9 LOD LOD	
Dibromomethane	9 LOD LOD	
4-Isopropyltoluene ug/l <lod< td=""> <lod< td=""> Styrene ug/l <lod< td=""> <lod< td=""></lod<></lod<></lod<></lod<>	9 LOD LOD	
Styrene ug/l <lod <lod<="" td=""><td>9 USEPA RSL (tapwater) 8 ug/l</td><td></td></lod>	9 USEPA RSL (tapwater) 8 ug/l	
Styrene Iua/I I <lod i="" td="" ="" <=""><td>9 LOD LOD</td><td></td></lod>	9 LOD LOD	
tors 4.0 Dishlares	9 WHO DWG 2011 20 ug/l	$-\!\!\!\!+\!\!\!\!-$
trans-1-3-Dichloropropene ug/l <lod <lod<="" td=""><td>9 LOD LOD</td><td>$-\!\!\!\!-\!\!\!\!\!-$</td></lod>	9 LOD LOD	$-\!\!\!\!-\!\!\!\!\!-$
1,1,2,2-Tetrachloroethane ug/l <lod< td=""> <lod< td=""> Bromomethane ug/l <lod< td=""> <lod< td=""></lod<></lod<></lod<></lod<>	9 USEPA RSL (tapwater) 7 ug/l 9 USEPA RSL (tapwater) 0.076 ug/l	
Bromomethane	9 USEPA RSL (tapwater) 0.076 ug/l 9 USEPA RSL (tapwater) 21000 ug/l	-+-
Chloromethane ug/l <lod <lod<="" td=""><td>9 USEPA RSL (tapwater) 21000 ug/l</td><td></td></lod>	9 USEPA RSL (tapwater) 21000 ug/l	
Isopropylbenzene ug/l <lod <lod<="" td=""><td>9 LOD LOD</td><td>\neg</td></lod>	9 LOD LOD	\neg
Dichlorodifluoromethane ug/l <lod <lod<="" td=""><td>9 USEPA RSL (tapwater) 200 ug/l</td><td></td></lod>	9 USEPA RSL (tapwater) 200 ug/l	
sec-Butylbenzene ug/l <lod <lod<="" td=""><td>9 USEPA RSL (tapwater) 2000 ug/l</td><td></td></lod>	9 USEPA RSL (tapwater) 2000 ug/l	
tert-Butylbenzene ug/l <lod <lod<="" td=""><td>9 USEPA RSL (tapwater) 690 ug/l</td><td></td></lod>	9 USEPA RSL (tapwater) 690 ug/l	
trans-1-2-Dichloroethene ug/l <lod <lod<="" td=""><td>9 LOD LOD</td><td></td></lod>	9 LOD LOD	
Dichloromethane (DCM) ug/l <lod <lod<="" td=""><td>9 LOD LOD</td><td></td></lod>	9 LOD LOD	
Trichlorofluoromethane ug/l <lod <lod<="" td=""><td>9 LOD LOD</td><td></td></lod>	9 LOD LOD	
1,2,3-Trichlorobenzene ug/l <lod <lod<="" td=""><td>9 USEPA RSL (tapwater) 7 ug/l</td><td></td></lod>	9 USEPA RSL (tapwater) 7 ug/l	
1,2,4-Trichlorobenzene ug/l <lod <lod<="" td=""><td>9 USEPA RSL (tapwater) 1.1 ug/l</td><td></td></lod>	9 USEPA RSL (tapwater) 1.1 ug/l	
1,2-Dibromo-3-chloropropane ug/l <lod <lod<="" td=""><td>9 WHO DWG 2011 1 ug/l 9 LOD LOD</td><td></td></lod>	9 WHO DWG 2011 1 ug/l 9 LOD LOD	
n-Butylbenzene ug/l <lod <lod<="" td=""><td>9 LOD LOD 9 LOD LOD</td><td></td></lod>	9 LOD LOD 9 LOD LOD	
Dibromochloromethane ug/l <lod <lod="" td="" ="" <=""><td>9 USEPA RSL (tapwater) 660 ug/l</td><td>-+-</td></lod>	9 USEPA RSL (tapwater) 660 ug/l	-+-
1,2-Dibromo-3-chloropropane	9 USEPA RSL (tapwater) 660 ug/l	
1,2 Sistemo o Gilloropropano jugii (COD (COD)	<u> </u>	
1-naphthol ug/l <lod <lod<="" td=""><td>9 LOD LOD</td><td></td></lod>	9 LOD LOD	
2-isopropylphenol ug/l <lod <lod<="" td=""><td>9 LOD LOD</td><td></td></lod>	9 LOD LOD	
Catechol ug/l <lod <lod<="" td=""><td>9 LOD LOD</td><td>\neg</td></lod>	9 LOD LOD	\neg
Resorcinol ug/l <lod <lod<="" td=""><td></td><td></td></lod>		
Xylenols ug/l <lod <lod<="" td=""><td>9 LOD LOD</td><td></td></lod>	9 LOD LOD	
m/p-cresol ug/l <lod <lod<="" td=""><td>9 LOD LOD 9 LOD LOD</td><td></td></lod>	9 LOD LOD 9 LOD LOD	
o-cresol ug/l <lod <lod<="" td=""><td></td><td></td></lod>		
Total cresols ug/l <lod <lod<="" td=""><td>9 LOD LOD</td><td></td></lod>	9 LOD LOD	
2,3,5-trimethyl phenol ug/l <lod <lod<="" td=""><td>9 LOD LOD 47 LOD LOD</td><td></td></lod>	9 LOD LOD 47 LOD LOD	



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