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## Analysis Report

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<b>Report Number</b>	OL692929N1
<b>Report Issue Date</b>	November 13, 2015
<b>Report To</b>	Department of Science Information Technology and Innovation - Air Monitoring, Science Delivery Division Block C East, Ecosciences Precinct 41 Bogge Road, Dutton Park, Qld. 4102. Attn: Don Neale.
<b>Client Reference</b>	Samples sent: 3 November 2015.
<b>Job Description</b>	15 X Filters, PVC, 47 mm for dust and quartz analysis.
<b>Date Received</b>	November 4, 2015
<b>Date Tested/Completed</b>	November 9, 2015
<b>Responsibility for Sampling</b>	Client
<b>Approved Signatory</b>	Patrick Lynch - Principal Scientist

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Report Number: **OL692929N1**

**Results for Gravimetric & Quartz Analysis:**

Laboratory Number	Sample Identification	Respirable Dust Content (mg)	Quartz Content (mg)
OL692929/01	18394	0.75	<LOR
OL692929/02	18395	0.54	<LOR
OL692929/03	18396	0.79	<LOR
OL692929/04	18397	0.84	<LOR
OL692929/05	18398	0.70	<LOR
OL692929/06	18399	0.48	<LOR
OL692929/07	18400	0.66	<LOR
OL692929/08	18401	0.69	0.01
OL692929/09	18403	0.60	<LOR
OL692929/10	18404	0.83	<LOR
OL692929/11	18405	0.87	<LOR
OL692929/12	18406	0.71	<LOR
OL692929/13	18407	0.70	<LOR
OL692929/14	18408	0.54	<LOR
OL692929/15	18422	0.65	<LOR
<b>Limit of Reporting (LOR)</b>		<b>0.01</b>	<b>0.01</b>

**References:**

Quartz by FTIR using Simtars in-house procedure LP0016  
 Weighing of fine particulate matter filters by Simtars in-house procedure LP0046

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**Analysis Report**

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<b>Report Number</b>	OL692958N1
<b>Report Issue Date</b>	December 23, 2015
<b>Report To</b>	Don Neale, Science Leader, Air Quality Monitoring, GPO Box 2454, BRISBANE QLD 4001
<b>Client Reference</b>	Partisol Filter Analysis Request
<b>Job Description</b>	8 x filters for respirable dust & quartz analysis
<b>Date Received</b>	December 18, 2015
<b>Date Tested/Completed</b>	December 22, 2015
<b>Responsibility for Sampling</b>	Client
<b>Approved Signatory</b>	Bryan Mead - Senior Chemist



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**Results for Gravimetric & Quartz Analysis:**

Laboratory Number	Sample Identification	Respirable Dust Content (mg)	Quartz Content (mg)
OL692958/01	I8392	0.55	<LOR
OL692958/02	I8393	0.64	<LOR
OL692958/03	I8411	0.97	<LOR
OL692958/04	I8412	0.60	<LOR
OL692958/05	I8418	1.09	<LOR
OL692958/06	I8419	0.59	<LOR
OL692958/07	I8420	0.58	<LOR
OL692958/08	I8421	0.62	<LOR
<b>Limit of Reporting (LOR)</b>		<b>0.01</b>	<b>0.01</b>

**References:**

Quartz by FTIR using Simtars in-house procedure LP0016

Weighing of fine particulate matter filters by Simtars in-house procedure LP0046

DSITI RTI Release



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**Analysis Report**

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**Report Number** OL692967N1  
**Report Issue Date** 1st March 2016  
**Report To** Department of Science, Information Technology & Innovation  
GPO Box 2454  
BRISBANE QLD 4001  
**Client Reference** Attn: Don Neale  
**Job Description** Partisol Filter Analysis  
Gravimetric Dust & Quartz Analysis  
**Date Received** 18th February 2016  
**Date Tested/Completed** 25th February 2016  
**Responsibility for Sampling** Client  
**Approved Signatory** Patrick Lynch - Principal Scientist

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**Results for Gravimetric & Quartz Analysis:**

Laboratory Number	Sample Identification	Respirable Dust Content (mg)	Quartz Content (mg)
OL692967/01	H2928	0.68	<LOR
OL692967/02	H2929	0.81	0.01
OL692967/03	H2930	1.05	0.01
OL692967/04	I8382	0.49	0.01
OL692967/05	I8383	0.61	<LOR
OL692967/06	I8384	0.55	<LOR
OL692967/07	I8385	0.50	<LOR
OL692967/08	I8386	0.60	<LOR
OL692967/09	I8387	0.94	<LOR
OL692967/10	I8388	0.41	<LOR
OL692967/11	I8389	0.67	<LOR
OL692967/12	I8390	0.61	<LOR
OL692967/13	I8391	0.49	<LOR
OL692967/14	I8409	0.67	0.01
OL692967/15	I8410	1.00	<LOR
OL692967/16	I8413	0.59	<LOR
OL692967/17	I8414	0.79	<LOR
OL692967/18	I8415	0.81	<LOR
OL692967/19	I8416	0.59	<LOR
OL692967/20	I8417	1.04	0.01
<b>Limit of Reporting (LOR)</b>		<b>0.01</b>	<b>0.01</b>

**References:**

Quartz by FTIR using Simtars in-house procedure LP0016.  
 Weighing of fine particulate matter filters by Simtars in-house procedure LP0046.

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Report Number: OL692967N1

Date Exposed and Field Blanks Received:

18th February 2016

Laboratory Blank Filter Number	Pre-Sampling Temperature (c)			Pre-Sampling Humidity %			Date Pre-Sampling Weighing Conducted
	Min	Max	Mean	Min	Max	Mean	
I4892	20	23	21	32	39	35	30.09.2014
I5062	20	23	22	32	40	35	07.10.2014
I7146	21	23	22	33	40	35	10.03.2015
I8126	18	23	21	28	41	35	26.05.2015
I8152	18	23	21	28	41	35	26.05.2015
I8175	18	23	21	28	41	35	26.05.2016

  

Laboratory Number	Post-Sampling Temperature (0c)			Post-Sampling Humidity %			Date Post-Sampling Weighing Conducted
	Min	Max	Mean	Min	Max	Mean	
	22	23	22	33	36	34	23.02.2016

  

Laboratory Number	Sample Identification	Pre-Sampling Mass (mg)	Post-Sampling Mass (mg)	Net Mass (mg)
Laboratory Blank	I4892	143.187	143.188	<LOR
OL692967/21	I4893	141.024	141.075	0.05
OL692967/22	I4894	142.600	142.885	0.29
OL692967/23	I4895	142.590	142.752	0.16
OL692967/24	I4896	142.334	142.668	0.33
OL692967/25	I4897	142.297	142.443	0.15
OL692967/26	I4898	142.129	142.237	0.11
OL692967/27	I4899	142.525	142.651	0.13
OL692967/28	I4900	142.806	142.937	0.13
OL692967/29	I4903	143.232	143.376	0.14
OL692967/30	I4904	140.167	140.264	0.10
OL692967/31	I4905	142.184	142.342	0.16
OL692967/32	I4906	143.054	143.113	0.06
OL692967/33	I4907	141.096	141.255	0.16
OL692967/34	I4908	141.161	141.287	0.13
OL692967/35	I4909	140.283	140.387	0.10
OL692967/36	I4910	142.633	142.756	0.12
OL692967/37	I4913	141.185	141.543	0.36
OL692967/38	I4914	140.908	140.994	0.09
OL692967/39	I4915	142.871	143.005	0.13
Laboratory Blank	I5062	144.067	144.061	<LOR
OL692967/40	I5068	139.359	139.495	0.14
OL692967/41	I5069	143.295	143.423	0.13
OL692967/42	I5070	141.022	141.137	0.12
OL692967/43	I5071	142.746	142.822	0.08
OL692967/44	I5072	141.954	142.103	0.15
OL692967/45	I5073	143.683	143.814	0.13
OL692967/46	I5074	143.023	143.155	0.13
OL692967/47	I5075	143.526	143.894	0.37
OL692967/48	I5083	141.510	141.839	0.33
OL692967/49	I5084	142.630	142.749	0.12
OL692967/50	I5085	142.289	142.636	0.35

  

<b>Lower Reporting Limit</b>				<b>0.01</b>
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Report Number: OL692967N1

Laboratory Number	Sample Identification	Pre-Sampling Mass (mg)	Post-Sampling Mass (mg)	Net Mass (mg)
Laboratory Blank	I7146	130.396	130.393	<LOR
OL692967/51	I7157	133.776	134.180	0.40
OL692967/52	I7158	136.701	136.851	0.15
OL692967/53	I7159	139.096	139.689	0.59
OL692967/54	I7160	132.884	133.041	0.16
OL692967/55	I7161	139.824	140.112	0.29
OL692967/56	I7162	132.237	132.344	0.11
OL692967/57	I7163	132.542	132.761	0.22
OL692967/58	I7164	131.511	131.585	0.07
OL692967/59	I7165	137.947	138.268	0.32
OL692967/60	I7166	131.989	132.106	0.12
Laboratory Blank	I8126	133.273	133.264	<LOR
OL692967/61	I8127	133.529	133.563	0.03
OL692967/62	I8147	132.215	132.319	0.10
OL692967/63	I8148	132.775	133.156	0.38
OL692967/64	I8149	133.589	133.709	0.12
OL692967/65	I8150	134.508	134.661	0.15
OL692967/66	I8151	136.022	136.424	0.40
Laboratory Blank	I8152	133.909	133.907	<LOR
OL692967/67	I8153	135.127	135.253	0.13
OL692967/68	I8155	134.527	134.878	0.35
OL692967/69	I8156	134.462	134.578	0.12
OL692967/70	I8157	134.965	135.063	0.10
OL692967/71	I8159	133.651	133.793	0.14
OL692967/72	I8160	132.652	132.773	0.12
OL692967/73	I8161	134.784	134.925	0.14
OL692967/74	I8164	135.499	135.582	0.08
OL692967/75	I8165	133.523	133.614	0.09
OL692967/76	I8166	133.621	133.694	0.07
Laboratory Blank	I8175	138.171	138.173	<LOR
OL692967/77	I8176	139.482	139.866	0.38
OL692967/78	I8178	138.506	138.774	0.27
OL692967/79	I8179	137.588	137.681	0.09
OL692967/80	I8180	137.371	137.731	0.36
OL692967/81	I8190	137.351	137.487	0.14
OL692967/82	I8191	136.799	136.915	0.12
OL692967/83	I8192	138.411	138.690	0.28
OL692967/84	I8193	138.008	138.101	0.09
OL692967/85	I8194	136.428	136.716	0.29
OL692967/86	I8195	137.351	137.636	0.29
OL692967/87	I8196	137.592	137.705	0.11
OL692967/88	I8199	138.058	138.239	0.18
OL692967/89	I8200	136.513	136.589	0.08
<b>Lower Reporting Limit</b>				<b>0.01</b>

Uncertainty of weighing is +/- 0.009mg

Uncertainty is an estimate that characterises the range of values within which the true value is asserted to lie. The reported uncertainty is an expanded uncertainty calculated using a coverage factor of 2 that gives a level of confidence of approximately 95%.

**Reference:**

Weighing of fine particulate matter filters by Simtars in-house procedure LP0046





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## Analysis Report

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<b>Report Number</b>	OL693109N1
<b>Report Issue Date</b>	July 27, 2016
<b>Report To</b>	Don Neale, Science Leader, Air Quality Monitoring, GPO Box 2454, BRISBANE QLD 4001
<b>Client Reference</b>	Partisol Filter Analysis
<b>Job Description</b>	16 x Partisol Filters for dust & quartz analysis
<b>Date Received</b>	July 20, 2016
<b>Date Tested/Completed</b>	July 26, 2016
<b>Responsibility for Sampling</b>	Client
<b>Approved Signatory</b>	Bryan Mead - Senior Chemist

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Report Number: **OL693109N1**

**Results for Gravimetric & Quartz Analysis:**

Laboratory Number	Sample Identification	Respirable Dust Content (mg)	Quartz Content (mg)
OL693109/01*	J0898	1.75	0.01
OL693109/02*	J0899	2.51	0.01
OL693109/03	J0900	1.02	<LOR
OL693109/04*	J0901	0.49	0.01
OL693109/05	J0902	0.43	<LOR
OL693109/06	J0905	0.09	<LOR
OL693109/07*	J0907	0.63	0.01
OL693109/08	J0908	0.32	<LOR
OL693109/09	J0909	0.42	<LOR
OL693109/10	J0914	0.65	<LOR
OL693109/11	J0915	1.33	<LOR
OL693109/12	J0916	0.72	<LOR
OL693109/13	J0917	0.51	<LOR
OL693109/14	J0918	0.45	<LOR
OL693109/15*	J0928	1.09	0.02
OL693109/16	J0933	0.48	<LOR
<b>Limit of Reporting (LOR)</b>		<b>0.01</b>	<b>0.01</b>

\* Spectral interference encountered during determination of respirable quartz content. Result is qualitative only.

**References:**

Quartz by FTIR using Simtars in-house procedure LP0016.  
 Weighing of fine particulate matter filters by Simtars in-house procedure LP0046.

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**Occupational Hygiene, Environment**

**Street Address**

**2 Robert Smith Street,  
Redbank Q 4301**

**Postal Address**

**PO Box 467, Goodna Q 4300**

**Phone**

**07 3810 6333**

**Fax**

**07 3810 6338**

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**Analysis Report**

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<b>Report Number</b>	OL693071N1
<b>Report Issue Date</b>	June 8, 2016
<b>Report To</b>	Don Neale DSITI - Air Quality Sciences Ecosciences Precinct
<b>Client Reference</b>	Brisbane, QLD Samples Sent 17/05/2016
<b>Job Description</b>	35 x Samples for Gravimetric, Respirable Quartz and Metals Content
<b>Date Received</b>	May 18, 2016
<b>Date</b>	May 31, 2016
<b>Tested/Completed</b>	
<b>Responsibility for Sampling</b>	Client
<b>Approved Signatory</b>	Pieter van Zanten - Analytical Chemist

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**Results for Metals Analysis - High Volume Filter Samples:**

**Laboratory**

Sample  
 Ma: Alumi Arse Ba Be Cadmium C Chr Copper Iron Magnesium Manga Molyb Sodi Nickel Lead Selenium Titan Thallium Vanadium Zinc

Number	Identification	(mg)	Al (µg)	As (µg)	Ba (µg)	Be (µg)	Cd (µg)	C (µg)	Cr (µg)	Cu (µg)	Fe (µg)	Mg (µg)	Mn (µg)	Mo (µg)	Na (µg)	Ni (µg)	Pb (µg)	S (µg)	Sb (µg)	Se (µg)	Ti (µg)	Tl (µg)	V (µg)	Zn (µg)
OL693071/01	8925668	46	<LOR	<LO	<LO	<LO	<LO	<LO	<LO	100	1100	<LOR	<LO	<LO	<LOR	<LO	<LOR	1700	<LO	<LOR	<LO	<LO	<LO	100
OL693071/02	8926083	8	<LOR	<LO	<LO	<LO	<LO	<LO	<LO	<LOR	110	<LOR	<LO	<LO	<LOR	<LO	<LOR	<LOR	<LO	<LOR	<LO	<LO	<LO	27
OL693071/03	8925667	43	<LOR	<LO	<LO	<LO	17	<LO	<LO	80	900	<LOR	<LO	<LO	<LOR	<LO	150	2800	<LO	<LOR	<LO	<LO	<LO	170
OL693071/04	8925666	50	<LOR	<LO	<LO	<LO	<LO	<LO	<LO	40	1300	<LOR	<LO	<LO	<LOR	<LO	<LOR	900	<LO	<LOR	<LO	<LO	<LO	72
OL693071/05	8925657	51	<LOR	<LO	<LO	<LO	3.4	<LO	<LO	22	650	<LOR	<LO	<LO	<LOR	<LO	160	6900	<LO	<LOR	<LO	<LO	<LO	440
OL693071/06	8925656	61	<LOR	<LO	<LO	<LO	<LO	<LO	<LO	30	790	<LOR	<LO	<LO	<LOR	<LO	89	7900	<LO	<LOR	<LO	<LO	<LO	500
OL693071/07	8925650	23	<LOR	<LO	<LO	<LO	<LO	<LO	<LO	34	590	<LOR	<LO	<LO	<LOR	<LO	47	1700	<LO	<LOR	<LO	<LO	<LO	230
OL693071/08	8925655	70	<LOR	<LO	<LO	<LO	<LO	<LO	<LO	210	2300	<LOR	37	<LO	<LOR	26	150	7800	<LO	<LOR	<LO	<LO	70	650
OL693071/09	8925654	84	<LOR	<LO	<LO	<LO	3.6	<LO	<LO	51	1200	<LOR	<LO	<LO	<LOR	25	150	8300	<LO	<LOR	<LO	<LO	74	1100
Limit of reporting		2	50000	13	250	25	2.5	25	25	15	25	50000	25	25	50000	25	25	650	25	150	150	25	25	25

**Results for Gravimetric & Quartz Analysis:**

Laboratory Number	Sample Identification	Respirable Dust Content (mg)	Quartz Content (mg)
OL693071/61	G9666	0.84	<LOR
OL693071/62	H0296	0.81	<LOR
OL693071/63	H0299	0.76	<LOR
OL693071/64	H0300	0.61	<LOR
OL693071/65	H0327	0.60	<LOR
OL693071/66	H0330	0.68	<LOR
OL693071/67	H2926	0.78	<LOR
OL693071/68	H2927	0.59	<LOR
OL693071/69	J0919	0.51	<LOR
OL693071/70	J0920	0.66	<LOR
OL693071/71	J0921	0.61	<LOR
OL693071/72	J0922	0.54	<LOR
OL693071/73	J0923	0.70	<LOR
OL693071/74	J0924	0.75	0.01 †
OL693071/75	J0925	0.54	<LOR
OL693071/76	J0926	0.56	<LOR
OL693071/77	J0927	0.49	<LOR
OL693071/78	J0929	0.73	<LOR
OL693071/79	J0930	0.40	<LOR
OL693071/80	J0931	0.63	<LOR
OL693071/81	J0932	0.53	<LOR
OL693071/82	J0934	0.46	<LOR
OL693071/83	J0935	0.66	<LOR
OL693071/84	J0936	0.57	<LOR
OL693071/85	J0937	0.57	<LOR
OL693071/86	J0938	0.72	<LOR

Limit of Reporting (LOR) 0.01 0.01

† Interference encountered in sample matrix during determination of respirable quartz content. Result is qualitative only.

**References:**

Quartz by FTIR using Simtars in-house procedure LP0016.  
 Weighing of fine particulate matter filters by Simtars in-house procedure LP0046. High Volume Filter Weighing by SIMTARS in-house procedure LP0051  
 Particulate Metals in High Volume & Microvolume Filters by ICP-AES using SIMTARS in-house procedure LP0181



**Analysis Report**

<b>Report Number</b>	OL693126N1
<b>Report Issue Date</b>	August 26, 2016
<b>Report To</b>	Don Neale Air Quality Monitoring DSITI 41 Boggo Road, Dutton Park, QLD 4102
<b>Client Reference</b>	High Volume Sampler / Partisol Filter Analysis Request - Submission 11/8/2016
<b>Job Description</b>	9 x Partisol Filters for Dust & Quartz analysis 8 x High Volume Filter Analysis for Gravimetric and Metals analysis
<b>Date Received</b>	August 12, 2016
<b>Date Tested/Completed</b>	August 19, 2016
<b>Responsibility for Sampling</b>	Client
<b>Approved Signatory</b>	Bryan Mead - Senior Chemist

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Report Number: OL693126N1

**Results for Gravimetric & Quartz Analysis:**

Laboratory Number	Sample Identification	Respirable Dust Content (mg)	Quartz Content (mg)
OL693126/01	J0888	0.88	0.01
OL693126/02	J0889	1.44	<LOR
OL693126/03	J0893	0.73	<LOR
OL693126/04	J0903	0.59	<LOR
OL693126/05	J0904	0.75	<LOR
OL693126/06	J0906	0.66	<LOR
OL693126/07	J0910	0.49	<LOR
OL693126/08	J0911	0.58	0.01
OL693126/09	J0912	0.48	<LOR
<b>Limit of Reporting (LOR)</b>		<b>0.02</b>	<b>0.01</b>

**Results for Metals Analysis - High Volume Filter Samples:**

Laboratory Number	Sample Identification	Mass (mg)	Aluminium Al (µg)	Arsenic As (µg)	Barium Ba (µg)	Beryllium Be (µg)	Cadmium Cd (µg)	Cobalt Co (µg)	Chromium Cr (µg)	Copper Cu (µg)	Iron Fe (µg)	Magnesium Mg (µg)	Manganese Mn (µg)	Molybdenum Mo (µg)	Sodium Na (µg)	Nickel Ni (µg)	Lead Pb (µg)	Sulphur S (µg)	Antimony Sb (µg)	Selenium Se (µg)	Titanium Ti (µg)	Thallium Tl (µg)	Vanadium V (µg)	Zinc Zn (µg)
OL693126/10	8925676	32	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	62	550	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	1800	<LOR	<LOR	<LOR	<LOR	<LOR	51
OL693126/11	8925675	9	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	23	160	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	500	<LOR	<LOR	<LOR	<LOR	<LOR	37
OL693126/12	8925674	37	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	87	740	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	1500	<LOR	<LOR	<LOR	<LOR	<LOR	97
OL693126/13	8925673	56	<LOR	87	<LOR	<LOR	9.3	<LOR	<LOR	530	1100	<LOR	<LOR	<LOR	<LOR	<LOR	240	7200	<LOR	<LOR	<LOR	<LOR	<LOR	320
OL693126/14	9114009	55	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	<LOR	32	860	<LOR	<LOR	<LOR	<LOR	<LOR	26	1800	<LOR	<LOR	<LOR	<LOR	<LOR	200
OL693126/15	9114008	<LOR	<LOR	<LOR	<LOR	<LOR	2.6	<LOR	<LOR	300	450	<LOR	<LOR	<LOR	<LOR	<LOR	48	15000	59	<LOR	<LOR	<LOR	65	860
OL693126/16	8925687	55	<LOR	<LOR	<LOR	<LOR	5.5	<LOR	<LOR	170	1000	<LOR	<LOR	<LOR	<LOR	<LOR	230	7600	<LOR	<LOR	<LOR	<LOR	47	1300
OL693126/17	9114007	110	<LOR	<LOR	<LOR	<LOR	2.9	<LOR	<LOR	120	1500	<LOR	41	<LOR	<LOR	<LOR	70	8500	<LOR	<LOR	<LOR	<LOR	<LOR	580
<b>Limit of Reporting (LOR)</b>		<b>2</b>	<b>50000</b>	<b>13</b>	<b>250</b>	<b>25</b>	<b>2.5</b>	<b>25</b>	<b>25</b>	<b>15</b>	<b>25</b>	<b>50000</b>	<b>25</b>	<b>25</b>	<b>50000</b>	<b>25</b>	<b>25</b>	<b>650</b>	<b>25</b>	<b>150</b>	<b>150</b>	<b>25</b>	<b>25</b>	<b>25</b>

**References:**

Quartz by FTIR using Simtars in-house procedure LP0016. Weighing of fine particulate matter filters by Simtars in-house procedure LP0046.  
 High Volume Filter Weighing by SIMTARS in-house procedure LP0051  
 Particulate Metals in High Volume & Microvolume Filters by ICP-AES using SIMTARS in-house procedure LP0181





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**Analysis Report**

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**Report Number** OL693151N1  
**Report Issue Date** September 26, 2016  
**Report To** Attn. Don Neale  
DSITI  
Ground Floor Block C East 41 Boggo Rd  
DUTTON PARK QLD 4102  
**Client Reference** Partical Filters  
**Job Description** 9 x Filters for Dust & Quartz Analysis  
**Date Received** September 16, 2016  
**Date Tested/Completed** September 20, 2016  
**Responsibility for Sampling** Client  
**Approved Signatory** Patrick Lynch - Principal Scientist

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Accredited for compliance with ISO/IEC 17025. Accreditation Number 2681.

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Unless otherwise indicated responsibility for sampling rests with the client. Where test items are submitted by the client results expressed in this report relate only to test items as received. This document may not be reproduced except in full or used in any way for advertising purposes without the written approval of the laboratory.

Report Number: **OL693151N1**

**Results for Gravimetric & Quartz Analysis:**

Laboratory Number	Sample Identification	Respirable Dust Content (mg)	Quartz Content (mg)
OL693151/01	J0890	0.39	<0.01
OL693151/02	J0891	0.74	<0.01
OL693151/03	J0892	0.54	<0.01
OL693151/04	J0894	1.20	<0.01
OL693151/05	J0895	0.36	<0.01
OL693151/06	J0896	0.66	<0.01
OL693151/07	J0897	0.56	<0.01
OL693151/08	J4447	0.44	<0.01
OL693151/09	J4450	0.58	<0.01
<b>Limit of Reporting (LOR)</b>		<b>0.01</b>	<b>0.01</b>

**References:**

Quartz by FTIR using Simtars in-house procedure LP0016.  
 Weighing of fine particulate matter filters by Simtars in-house procedure LP0046.

DSIR RTI Release





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**Analysis Report**

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<b>Report Number</b>	OL693186N1
<b>Report Issue Date</b>	November 22, 2016
<b>Report To</b>	Attn. Don Neale DSITI GPO Box 2454, BRISBANE QLD 4001
<b>Client Reference</b>	18 x Respirable Dust & Quartz samples
<b>Job Description</b>	18 x Filters for Dust & Quartz Analysis
<b>Date Received</b>	November 11, 2016
<b>Date Tested/Completed</b>	November 21, 2016
<b>Responsibility for Sampling</b>	Client
<b>Approved Signatory</b>	Patrick Lynch - Principal Scientist

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**Results for Gravimetric & Quartz Analysis:**

Laboratory Number	Sample Identification	Dust Content	Quartz Content
		(mg)	(mg)
OL693186/01	J4432	0.48	<0.01
OL693186/02	J4433	0.50	<0.01
OL693186/03	J4434	0.89	<0.01
OL693186/04	J4435	0.96	<0.01
OL693186/05	J4436	0.52	<0.01
OL693186/06	J4437	0.62	<0.01
OL693186/07	J4438	0.89	<0.01
OL693186/08	J4439	0.46	<0.01
OL693186/09	J4440	0.49	<0.01
OL693186/10	J4441	0.79	<0.01
OL693186/11	J4442	0.71	<0.01
OL693186/12	J4443	0.90	<0.01
OL693186/13	J4444	0.52	<0.01
OL693186/14	J4445	0.67	<0.01
OL693186/15	J4446	0.83	<0.01
OL693186/16	J4448	0.48	<0.01
OL693186/17	J4449	0.73	<0.01
OL693186/18	J4451	0.47	<0.01
<b>Limit of Reporting (LOR)</b>		<b>0.01</b>	<b>0.01</b>

**References:**

Quartz by FTIR using Simtars in-house procedure LP0016.

DSITI RTI Release

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Science Delivery Env Monitoring & Assessment Sciences Air Quality Monitoring	Partisol Sample Record and Maintenance sheet	Page ... Document Date July 19, 2011	1-5-16 rec		
Site Location Instrument Model/Serial No	A	PM10 Inlet Serial No VSCC Serial No	SS12		
<b>Sample Setup (Week 1 &amp; 2)</b>	<b>Sample</b>	<b>Sample</b>	<b>Sample</b>	<b>Sample</b>	<del>Sample</del>
Run date:	3/9/15	10/9/15	17/9/15	24/9/15	NOTES
Week day of run:	THURS	THURS	THURS	THURS	
External lab number:	I8401	I8400	I8398	I8399	
Cassette number:	061136	33587	061140	22115	
Filter identifier (if applicable):					
Operator:					
Set-up date:	24/6/15	24/6/15	24/6/15	24/6/15	
<b>Sample End (Week 1 &amp; 2)</b>					
Run Time:					
Air volume (m <sup>3</sup> ):					
Average flow rate (L/min):					
Average ambient temp (°C):					
Average pressure (mmHg):					
Average relative humidity:					
Filter valid (not holed):	(Yes) / No	(Yes) / No	(Yes) / No	(Yes) / No	Yes / No
Operator:					
Pick-up Date:	2/11	2/11	2/11	2/11/15	
<b>Sample Setup (Week 3 &amp; 4)</b>	<b>Sample</b>	<b>Sample</b>	<b>Sample</b>	<b>Sample</b>	<del>Sample</del>
Run date:	1/10/15	8/10/15	15/10/15	22/10/15	NOTES
Week day of run:	THUR	THUR	THURS	THUR	
External lab number:	I8397	I8396	I8395	I8394	
Cassette number:	25681	29276	29034	061135	
Filter identifier (if applicable):					
Operator:					
Set-up date:	24/6	24/6	24/6	24/6	
<b>Sample End (Week 3 &amp; 4)</b>					
Run Time:					
Air volume (m <sup>3</sup> ):					
Average flow rate (L/min):					
Average ambient temp (°C):					
Average pressure (mmHg):					
Average relative humidity:					
Filter valid (not holed):	(Yes) / No	(Yes) / No	(Yes) / No	(Yes) / No	Yes / No
Operator:	49 Sch 4				
Pick-up Date:	2/11/15	2/11/15	2/11/15	2/11/15	
<b>Blank filter and monthly maintenance</b>					
Blank external lab number		Set-up date		Operator	
Blank cassette number		Pick-up date		Operator	
Inspect sampler inlet surfaces	<input type="checkbox"/>	External leak check	<input type="checkbox"/>	Result	
				mm Hg/min	Pass / Fail
Operator		Date			
<b>Notes:</b>					
AQTAM database up-dated					
<input type="checkbox"/>					
Officer Initials					
Tick if any equipment changed <input type="checkbox"/>					
Attach Additional Station Log					
Peer Reviewer Signature		Field Officer Signature			
Peer review date		Date			

Revision 1.10  
QFR  
Authorised: D. Neale

Originator: W. Manley  
Source: F:\Air\_Unit\Field\AQU stuff\QAM\New Forms\Partisol\_Multi\_Samp\_Record.xls  
Control>Wsheets:Blank # File:Partisol\_Multi\_Samp\_Record.xls

Science Delivery Env Monitoring & Assessment Sciences Air Quality Monitoring	<b>Partisol</b> <b>Sample Record and</b> <b>Maintenance sheet</b>	Page ... Document Date July 19, 2011	1-5-16 rec		
Site Location Instrument Model/Serial No	A		PM10 Inlet Serial No VSCC Serial No	5812	
<b>Sample Setup (Week 1 &amp; 2)</b>	Sample	Sample	Sample	Sample	<del>Sample</del>
Run date:	29/10/15	5/11/15	12/11	19/11	NOTES
Week day of run:	THURS				
External lab number:	18393	18392	18412	18411	
Cassette number:	022167	022135	061146	25683	
Filter identifier (if applicable):					
Operator:					
Set-up date:	24/6	24/6	24/6	24/6	
<b>Sample End (Week 1 &amp; 2)</b>					
Run Time:					
Air volume (m <sup>3</sup> ):					
Average flow rate (L/min):					
Average ambient temp (°C):					
Average pressure (mmHg):					
Average relative humidity:					
Filter valid (not holed):	(Yes) / No	(Yes) / No	(Yes) / No	(Yes) / No	Yes / No
Operator:					
Pick-up Date:	21/2/15	2/2	2/12	2/12	
<b>Sample Setup (Week 3 &amp; 4)</b>	Sample	Sample	Sample	Sample	<del>Sample</del>
Run date:	26/11/15	3/12/15			NOTES
Week day of run:					
External lab number:	18410	18409			
Cassette number:	29028	069837			
Filter identifier (if applicable):					
Operator:					
Set-up date:	24/6	24/6			
<b>Sample End (Week 3 &amp; 4)</b>					
Run Time:					
Air volume (m <sup>3</sup> ):					
Average flow rate (L/min):					
Average ambient temp (°C):					
Average pressure (mmHg):					
Average relative humidity:					
Filter valid (not holed):	(Yes) / No	(Yes) / No	Yes / No	Yes / No	Yes / No
Operator:					
Pick-up Date:	14/1/16	14/1/16			
<b>Blank filter and monthly maintenance</b>					
Blank external lab number	18409	Set-up date		Operator	
Blank cassette number	69837	Pick-up date			
Inspect sampler inlet surfaces	<input type="checkbox"/>	Operator			
External leak check	<input type="checkbox"/>	Result	mm Hg/min	Pass / Fail	Date
Notes:	Correct fan as of 2nd/Nov/2018				AQTAM database up-dated
					<input type="checkbox"/>
					Officer Initials
Tick if any equipment changed	<input type="checkbox"/>	Attach Additional Station Log			
Peer Reviewer Signature		Field Officer Signature			
Peer review date		Date			

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# 3

Science Delivery Env Monitoring & Assessment Sciences Air Quality Monitoring	<b>Partisol</b> <b>Sample Record and</b> <b>Maintenance sheet</b>	Page ... Document Date July 19, 2011
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1-5-16  
rec

Site Location <b>A</b>	PM10 Inlet Serial No	
Instrument Model/Serial No	VSCC Serial No	

Sample Setup (Week 1 & 2)	Sample	Sample	Sample	Sample	<del>Sample</del>
Run date:	10/12/15	17/12/15	24/12/15	31/12/15	<u>NOTES</u>
Week day of run:	Thurs				
External lab number:	I8414	I8413	I8391	I8390	
Cassette number:	22172	22114	22108	22105	
Filter identifier (if applicable):	49 Sch 4				
Operator:					
Set-up date:	24/6	24/6	24/6	24/6	
Sample End (Week 1 & 2)					
Run Time:					
Air volume (m <sup>3</sup> ):					
Average flow rate (L/min):					
Average ambient temp (°C):					
Average pressure (mmHg):					
Average relative humidity:					
Filter valid (not holed):	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No
Operator:					
Pick-up Date:	14/1/16				

Sample Setup (Week 3 & 4)	Sample	Sample	Sample	Sample	Sample
Run date:	7/1/16	14/1/16	21/1/16		
Week day of run:					
External lab number:	I8389	I8388	I8387		
Cassette number:	22096	21704	25242		
Filter identifier (if applicable):					
Operator:					
Set-up date:	24/6	24/6	24/6		
Sample End (Week 3 & 4)					
Run Time:					
Air volume (m <sup>3</sup> ):					
Average flow rate (L/min):					
Average ambient temp (°C):					
Average pressure (mmHg):					
Average relative humidity:					
Filter valid (not holed):	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No
Operator:					
Pick-up Date:	14/1/16	4/2/16	4/2/16		

**Blank filter and monthly maintenance**

Blank external lab number	Set-up date	Operator
Blank cassette number	Pick-up date	
Inspect sampler inlet surfaces <input type="checkbox"/>	Operator	
External leak check <input type="checkbox"/> → Result	mm Hg/min	Pass / Fail
		Date

**Notes:**

	AQTAM database updated
	<input type="checkbox"/>
	Officer Initials

Tick if any equipment changed  Attach Additional Station Log

Peer Reviewer Signature	Field Officer Signature
Peer review date	Date



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# 4

Science Delivery Env Monitoring & Assessment Sciences Air Quality Monitoring	<b>Partisol</b> <b>Sample Record and</b> <b>Maintenance sheet</b>		Page ... Document Date July 19, 2011	<b>1-5-16</b> <b>rec</b>
<b>Site Location</b> <b>Instrument Model/Serial No</b>	A		<b>PM10 Inlet Serial No</b> <b>VSCC Serial No</b>	
<b>Sample Setup (Week 1 &amp; 2)</b>	<b>Sample</b>	<b>Sample</b>	<b>Sample</b>	<b>Sample</b>
Run date:	28/01/2016	4/02/16	11/02/2016	18/02/16
Week day of run:	THUR	"	"	"
External lab number:	H2928	H2927	H2926	H02916
Cassette number:	0151	0153	0188	0136
Filter identifier (if applicable):				
Operator:	49 Sch 4			
Set-up date:	13/1/16	13/1/16		
<b>Sample End (Week 1 &amp; 2)</b>				
Run Time:				
Air volume (m <sup>3</sup> ):				
Average flow rate (L/min):				
Average ambient temp (°C):				
Average pressure (mmHg):				
Average relative humidity:				
Filter valid (not holed):	(Yes / No)	(Yes / No)	(Yes) / No	(Yes / No)
Operator:				
Pick-up Date:	4/2/16	29/2/16	"	"
<b>Sample Setup (Week 3 &amp; 4)</b>	<b>Sample</b>	<b>Sample</b>	<b>Sample</b>	<b>Sample</b>
Run date:	25/02/16	3/03/16	10/3/16	17/3/16
Week day of run:	THURS			
External lab number:	H0300	J0919	J0920	J0921
Cassette number:	0137	0174	0179	0183
Filter identifier (if applicable):				
Operator:				
Set-up date:	15/2/16	15/2/16		
<b>Sample End (Week 3 &amp; 4)</b>				
Run Time:				
Air volume (m <sup>3</sup> ):				
Average flow rate (L/min):				
Average ambient temp (°C):				
Average pressure (mmHg):				
Average relative humidity:				
Filter valid (not holed):	(Yes) / No	(Yes) / No	(Yes) / No	(Yes) / No
Operator:				
Pick-up Date:	0/5/16			
<b>Blank filter and monthly maintenance</b>				
Blank external lab number		Set-up date		Operator
Blank cassette number		Pick-up date		
Inspect sampler inlet surfaces	<input type="checkbox"/>			Operator
External leak check	<input type="checkbox"/>	Result	mm Hg/min	Pass / Fail
Notes:				AQTAM database up-dated
				<input type="checkbox"/>
				Officer Initials
Tick if any equipment changed	<input type="checkbox"/>	Attach Additional Station Log		
Peer Reviewer Signature		Field Officer Signature		
Peer review date		Date		



Science Delivery Env Monitoring & Assessment Sciences Air Quality Monitoring	Partisol Sample Record and Maintenance sheet	Page ... Document Date July 19, 2011	1-5-16 rec
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Site Location		PM10 Inlet Serial No	
Instrument Model/Serial No		VSCC Serial No	

Sample Setup (Week 1 & 2)	Sample	Sample	Sample	Sample	Sample
Run date:	24/3/16	31/3/16	7/4/16	14/4/16	NOVES
Week day of run:					
External lab number:	J0922	J0923	J0924	J0925	
Cassette number:	0154	0109	0131	0104	
Filter identifier (if applicable):					
Operator:					
Set-up date:	18/2/16				

Sample End (Week 1 & 2)	Sample	Sample	Sample	Sample	Sample
Run Time:					
Air volume (m <sup>3</sup> ):					
Average flow rate (L/min):					
Average ambient temp (°C):					
Average pressure (mmHg):					
Average relative humidity:					
Filter valid (not holed):	(Yes) / No	(Yes) / No	(Yes) / No	(Yes) / No	Yes / No
Operator:					
Pick-up Date:	6/5/16				

Sample Setup (Week 3 & 4)	Sample	Sample	Sample	Sample	Sample
Run date:	21/4/16	28/4/16	5/5/16	12/5/16	
Week day of run:					
External lab number:	J0926	J0927	J0928	J0898	
Cassette number:	0127	0131	0157	0136	
Filter identifier (if applicable):					
Operator:					
Set-up date:	18/2/16			4/5/16	

Sample End (Week 3 & 4)	Sample	Sample	Sample	Sample	Sample
Run Time:					
Air volume (m <sup>3</sup> ):					
Average flow rate (L/min):					
Average ambient temp (°C):					
Average pressure (mmHg):					
Average relative humidity:					
Filter valid (not holed):	(Yes) / No	(Yes) / No	(Yes) / No	Yes / (No)	Yes / No
Operator:					
Pick-up Date:	6/5/16		7/7/16	7/7/16	

Blank filter and monthly maintenance					
Blank external lab number		Set-up date		Operator	
Blank cassette number		Pick-up date			
Inspect sampler inlet surfaces	<input type="checkbox"/>			Operator	
External leak check	<input type="checkbox"/>	Result	mm Hg/min	Pass / Fail	Date

Notes:		AQTAM database up-dated	<input type="checkbox"/>
		Officer Initials	

Tick if any equipment changed	<input type="checkbox"/>	Attach Additional Station Log	
Peer Reviewer Signature		Field Officer Signature	
Peer review date		Date	





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# 6

Science Delivery Env Monitoring & Assessment Sciences Air Quality Monitoring	Partisol Sample Record and Maintenance sheet	Page ... Document Date July 19, 2011	1-5-16 rec		
Site Location Instrument Model/Serial No	PM10 Inlet Serial No VSCC Serial No				
Sample Setup (Week 1 & 2)	Sample	Sample	Sample	Sample	Sample
Run date:	19/5/16	26/5/16	2/6/16	9/6/16	NOTES
Week day of run:					
External lab number:	J0899	J0900	J0901	J0902	
Cassette number:	0096	0142	0095	0109	
Filter identifier (if applicable):	49 Sch 4				
Operator:					
Set-up date:	4/5/16	4/5/16	4/5/16	4/5/16	
Sample End (Week 1 & 2)					
Run Time:					
Air volume (m <sup>3</sup> ):					
Average flow rate (L/min):					
Average ambient temp (°C):					
Average pressure (mmHg):					
Average relative humidity:					
Filter valid (not holed):	(Yes) / No	(Yes) / No	(Yes) / No	(Yes) / No	Yes / No
Operator:					
Pick-up Date:	7/7/16	7/7/16	7/7/16	7/7/16	
*smells smokey					
Sample Setup (Week 3 & 4)	Sample	Sample	Sample	Sample	Sample
Run date:	16/6/16	23/6/16	30/6/16	7/7/16	
Week day of run:					
External lab number:	J0907	J0906	J0905	J0904	
Cassette number:	0120	2901	022165	29567	
Filter identifier (if applicable):					
Operator:					
Set-up date:	4/5/16				
Sample End (Week 3 & 4)					
Run Time:					
Air volume (m <sup>3</sup> ):	*Power failure -				
Average flow rate (L/min):	2901 ran twice?				
Average ambient temp (°C):					
Average pressure (mmHg):					
Average relative humidity:					
Filter valid (not holed):	(Yes) / No	(Yes) / No	(Yes) / No	(Yes) / No	Yes / No
Operator:					
Pick-up Date:	7/7/16	5/8/16	7/7/16	5/8/16	
Blank filter and monthly maintenance					
Blank external lab number		Set-up date		Operator	
Blank cassette number		Pick-up date			
Inspect sampler inlet surfaces	<input type="checkbox"/>			Operator	
External leak check	<input type="checkbox"/>	Result	mm Hg/min	Pass / Fail	Date
Notes:					AQTAM database updated
					<input type="checkbox"/>
					Officer Initials
Tick if any equipment changed	<input type="checkbox"/>	Attach Additional Station Log			
Peer Reviewer Signature		Field Officer Signature			
Peer review date		Date			

Revision 1.10  
QFR  
Authorised: D. Neale

Original: W. Manley  
Source: F:\Air\_Uni\Fields\AQI stuff\QAVI New Forms\Partisol\_Multi\_Samp\_Record.xls  
Control: Wsheet Blank // File: Partisol\_Multi\_Samp\_Record.xls





A. Hart RD

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Science Delivery Env Monitoring & Assessment Sciences Air Quality Monitoring	Partisol Sample Record and Maintenance sheet			Page ... Document Date July 19, 2011	1-5-16 rec
Site Location				PM10 Inlet Serial No	
Instrument Model/Serial No				VSCC Serial No	
<b>Sample Setup (Week 1 &amp; 2)</b>	Sample	Sample	Sample	Sample	Sample
Run date:	14/7/16	21/7/16	29/7/16	4/8/16	NOTES
Week day of run:					
External lab number:	J0903	J0888	J0889	J0890	
Cassette number:	RP 064932	0099	0188	0113	
Filter identifier (if applicable):	49 Sch 4				
Operator:					
Set-up date:	4/5/16	29/6/16	29/6/16	29/6/16	
<b>Sample End (Week 1 &amp; 2)</b>					
Run Time:					
Air volume (m <sup>3</sup> ):					
Average flow rate (L/min):					Flow error
Average ambient temp (°C):					
Average pressure (mmHg):					
Average relative humidity:					
Filter valid (not holed):	(Yes) / No	(Yes) / No	(Yes) / No	(Yes) / No	Yes / No
Operator:					
Pick-up Date:	5/8/16	5/8/16	5/8/16	2/9/16	
<b>Sample Setup (Week 3 &amp; 4)</b>	Sample	Sample	Sample	Sample	Sample
Run date:	11/8/16	18/8/16	25/8/16	1/9/16	NOTES
Week day of run:					
External lab number:	J0891	J0892	J4450	J4451	
Cassette number:	0153	0156	0168	0147	
Filter identifier (if applicable):	No holes but dings present				
Operator:					
Set-up date:	29/6/16	29/6/16	2/8/16		
<b>Sample End (Week 3 &amp; 4)</b>					
Run Time:					
Air volume (m <sup>3</sup> ):					
Average flow rate (L/min):					
Average ambient temp (°C):					
Average pressure (mmHg):					
Average relative humidity:					
Filter valid (not holed):	(Yes) / No	(Yes) / No	(Yes) / No	(Yes) / No	Yes / No
Operator:					
Pick-up Date:	2/9/16	2/9/16	2/9/16	7/11/16	
<b>Blank filter and monthly maintenance</b>					
Blank external lab number		Set-up date		Operator	
Blank cassette number		Pick-up date		Operator	
Inspect sampler inlet surfaces	<input type="checkbox"/>	Result			Date
External leak check	<input type="checkbox"/>	mm Hg/min	Pass / Fail	Operator	
Notes:					AQTAM database up-dated
					<input type="checkbox"/>
					Officer Initials
Tick if any equipment changed <input type="checkbox"/>					Attach Additional Station Log
Peer Reviewer Signature			Field Officer Signature		
Peer review date			Date		

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Science Delivery Env Monitoring & Assessment Sciences Air Quality Monitoring	<b>Partisol</b> <b>Sample Record and</b> <b>Maintenance sheet</b>	Page ... Document Date July 19, 2011	<b>1-5-16</b> <b>rec</b>
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<b>Site Location</b>	<b>PM10 Inlet Serial No</b>
<b>Instrument Model/Serial No</b>	<b>VSCC Serial No</b>

Sample Setup (Week 1 & 2)	Sample	Sample	Sample	Sample	Sample- <u>NOTES</u>
Run date:	8/9/16	15/9/16	22/9/16	29/9/16	
Week day of run:					
External lab number:	J4442	J4432	J4433	J4434	
Cassette number:	0114	0189	0103	0167	
Filter identifier (if applicable):					
Operator:					
Set-up date:	2/8/16	24/8/16	24/8/16	24/8/16	

Sample End (Week 1 & 2)	Sample	Sample	Sample	Sample	Sample- <u>NOTES</u>
Run Time:					
Air volume (m <sup>3</sup> ):					
Average flow rate (L/min):					
Average ambient temp (°C):					
Average pressure (mmHg):					
Average relative humidity:					
Filter valid (not holed):	Yes / <u>No</u>	<u>Yes</u> / No	Yes / <u>No</u>	<u>Yes</u> / No	Yes / No
Operator:					
Pick-up Date:	7/11/16	7/11/16	7/11/16	7/11/16	

Sample Setup (Week 3 & 4)	Sample	Sample	Sample	Sample	Sample- <u>NOTES</u>
Run date:	6/10/16	13/10/16	20/10/16	27/10/16	
Week day of run:					
External lab number:	J4435	J4436	J4437	J4438	
Cassette number:	0135	0140	0101	0162	
Filter identifier (if applicable):	49 Sch 4				
Operator:					
Set-up date:	24/8/16	24/8/16	24/8/16	24/8/16	

Sample End (Week 3 & 4)	Sample	Sample	Sample	Sample	Sample- <u>NOTES</u>
Run Time:					
Air volume (m <sup>3</sup> ):					
Average flow rate (L/min):					
Average ambient temp (°C):					
Average pressure (mmHg):					
Average relative humidity:					
Filter valid (not holed):	<u>Yes</u> / No	<u>Yes</u> / No	<u>Yes</u> / No	<u>Yes</u> / No	Yes / No
Operator:					
Pick-up Date:	7/11/16	7/11/16	7/11/16	7/11/16	

<b>Blank filter and monthly maintenance</b>					
Blank external lab number		Set-up date		Operator	
Blank cassette number		Pick-up date			
Inspect sampler inlet surfaces <input type="checkbox"/>				Operator	
External leak check <input type="checkbox"/>	Result	mm Hg/min	Pass / Fail	Date	

<b>Notes:</b>	AQTAM database up-dated
	<input type="checkbox"/>
	Officer Initials

Tick if any equipment changed <input type="checkbox"/>	Attach Additional Station Log
Peer Reviewer Signature	Field Officer Signature
Peer review date	Date

Revision 1.10  
 QFR  
 Authorised: D Neale

Originator: W. Manley  
 Source: F:\Air\_Units\AQAU sl\AQAM\New Forms\Partisol\_Multi\_Samp\_Record.xls  
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Science Delivery Env Monitoring & Assessment Sciences Air Quality Monitoring	Partisol Sample Record and Maintenance sheet			Page ... Document Date July 19, 2011	1-5-16 rec
Site Location Instrument Model/Serial No	B			PM10 Inlet Serial No VSCC Serial No	40
<b>Sample Setup (Week 1 &amp; 2)</b>	Sample	Sample	Sample	Sample	<del>Sample</del>
Run date:	10/9/15	17/9/15	24/9/15	1/10/15	NOTES
Week day of run:					
External lab number:	I8408	I8407	I8406	I8405	
Cassette number:	28813	24280	33528	22110	
Filter identifier (if applicable):	49 Sch 4				
Operator:					
Set-up date:	24/6	24/6	24/6	24/6	
<b>Sample End (Week 1 &amp; 2)</b>					
Run Time:					
Air volume (m <sup>3</sup> ):					
Average flow rate (L/min):					
Average ambient temp (°C):					
Average pressure (mmHg):					
Average relative humidity:					
Filter valid (not holed):	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No
Operator:					
Pick-up Date:	2/11	2/11	2/11	2/11	
<b>Sample Setup (Week 3 &amp; 4)</b>	Sample	Sample	Sample	Sample	<del>Sample</del>
Run date:	8/10	15/10	22/10	29/10	NOTES
Week day of run:					
External lab number:	I8404	I8403	I8422	I8421	
Cassette number:	061166	25682	29011	22178	
Filter identifier (if applicable):					
Operator:					
Set-up date:	24/6	24/6	24/6	24/6	
<b>Sample End (Week 3 &amp; 4)</b>					
Run Time:					
Air volume (m <sup>3</sup> ):					
Average flow rate (L/min):					
Average ambient temp (°C):					
Average pressure (mmHg):					
Average relative humidity:					
Filter valid (not holed):	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No
Operator:					
Pick-up Date:	2/11	2/11	2/11	2/11	
<b>Blank filter and monthly maintenance</b>					
Blank external lab number		Set-up date		Operator	
Blank cassette number		Pick-up date			
Inspect sampler inlet surfaces	<input type="checkbox"/>			Operator	
External leak check	<input type="checkbox"/>	Result	mm Hg/min	Pass / Fail	Date
<b>Notes:</b>					AQTAM database up- dated
					<input type="checkbox"/>
					Officer Initials
Tick if any equipment changed <input type="checkbox"/> Attach Additional Station Log					
Peer Reviewer Signature			Field Officer Signature		
Peer review date			Date		

Science Delivery Env Monitoring & Assessment Sciences Air Quality Monitoring	Partisol Sample Record and Maintenance sheet			Page ... Document Date July 19, 2011	1-5-16 rec
Site Location Instrument Model/Serial No	B			PM10 Inlet Serial No VSCC Serial No	40
<b>Sample Setup (Week 1 &amp; 2)</b>	Sample	Sample	Sample	Sample	<del>Sample</del>
Run date:	5/11	12/11	19/11	26/11	NOTES
Week day of run:					
External lab number:	18420	18419	18418	18417	
Cassette number:	22247	29033	30826	22100	
Filter identifier (if applicable):					
Operator:					
Set-up date:	24/6	24/6	24/6	24/6	
<b>Sample End (Week 1 &amp; 2)</b>					
Run Time:					
Air volume (m <sup>3</sup> ):					
Average flow rate (L/min):					
Average ambient temp (°C):					
Average pressure (mmHg):					
Average relative humidity:					
Filter valid (not holed):	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No
Operator:					
Pick-up Date:	21/2/15	2/12/15	21/2/15	14/01/16	
<b>Sample Setup (Week 3 &amp; 4)</b>	Sample	Sample	Sample	Sample	<del>Sample</del>
Run date:	3/12/15	10/12/15			NOTES
Week day of run:					
External lab number:	18416	18415			
Cassette number:	22113	29074			
Filter identifier (if applicable):					
Operator:					
Set-up date:	24/6	24/6			
<b>Sample End (Week 3 &amp; 4)</b>					
Run Time:					
Air volume (m <sup>3</sup> ):					
Average flow rate (L/min):					
Average ambient temp (°C):					
Average pressure (mmHg):					
Average relative humidity:					
Filter valid (not holed):	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No
Operator:	49 Sch 4				
Pick-up Date:	14/1/15	14/1/16			
<b>Blank filter and monthly maintenance</b>					
Blank external lab number	18415	Set-up date		Operator	
Blank cassette number	29074	Pick-up date			
Inspect sampler inlet surfaces	<input type="checkbox"/>	Operator			
External leak check	<input type="checkbox"/>	Result	mm Hg/min	Pass / Fail	Date
Notes:	next to run 2nd/Nov/2015 check				AQTAM database updated
					<input type="checkbox"/>
					Officer Initials
Tick if any equipment changed	<input type="checkbox"/>	Attach Additional Station Log			
Peer Reviewer Signature		Field Officer Signature			
Peer review date		Date			

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Site Location Instrument Model/Serial No	B	PM10 Inlet Serial No VSCC Serial No	40
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Sample Setup (Week 1 & 2)	Sample	Sample	Sample	Sample	Sample
Run date:	17/12/15	24/12/15	31/12/15	7/1/15	NOTES
Week day of run:					
External lab number:	I8386	I8385	I8384	I8383	
Cassette number:	22159	064940	22163	29043	
Filter identifier (if applicable):					
Operator:					
Set-up date:	24/6	24/6	24/6	24/6	

Sample Setup (Week 3 & 4)	Sample	Sample	Sample	Sample	Sample
Run date:	14/1/16	21/1/16	28/1/16		
Week day of run:					
External lab number:	I8382	H2930	H2929		
Cassette number:	30664	062168	33135		
Filter identifier (if applicable):	49 Sch 4				
Operator:					
Set-up date:	24/6	24/6	24/6		

Sample Setup (Week 1 & 2)	Sample	Sample	Sample	Sample	Sample
Run date:	14/1/16	21/1/16	28/1/16		
Week day of run:					
External lab number:	I8382	H2930	H2929		
Cassette number:	30664	062168	33135		
Filter identifier (if applicable):	49 Sch 4				
Operator:					
Set-up date:	24/6	24/6	24/6		

<b>Blank filter and monthly maintenance</b>					
Blank external lab number		Set-up date		Operator	
Blank cassette number		Pick-up date		Operator	
Inspect sampler inlet surfaces	<input type="checkbox"/>	Result	mm Hg/min	Pass / Fail	Date
External leak check	<input type="checkbox"/>				

Notes:	AQTAM database updated
	<input type="checkbox"/>
	Officer Initials
Tick if any equipment changed	<input type="checkbox"/>
Peer Reviewer Signature	Field Officer Signature
Peer review date	Date



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Science Delivery Env Monitoring & Assessment Sciences Air Quality Monitoring	<b>Partisol</b> Sample Record and Maintenance sheet	Page ... Document Date July 19, 2011	<b>1-5-16</b> rec
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Site Location Instrument Model/Serial No	B	PM10 Inlet Serial No VSCC Serial No	
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Sample Setup (Week 1 & 2)	Sample	Sample	Sample	Sample	Sample
Run date:	4/2/16	11/2/16	18/2/16	25/2/16	NOTES
Week day of run:	THURS	"	"	"	
External lab number:	H0327	H0299	H0330	G9666	
Cassette number:	099	0106	0110	0189	
Filter identifier (if applicable):					
Operator:					
Set-up date:	13/1/16				

Sample End (Week 1 & 2)	Sample	Sample	Sample	Sample	Sample
Run Time:					
Air volume (m <sup>3</sup> ):					
Average flow rate (L/min):					
Average ambient temp (°C):					
Average pressure (mmHg):					
Average relative humidity:					
Filter valid (not holed):	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No
Operator:					
Pick-up Date:	26/2/16	26/2/16	29/2/16	6/5/16	

Sample Setup (Week 3 & 4)	Sample	Sample	Sample	Sample	Sample
Run date:	3/3/16	10/3/16	17/3/16	24/3/16	
Week day of run:					
External lab number:	J0934	J0935	J0936	J0937	
Cassette number:	0103	0167	0135	0151	
Filter identifier (if applicable):					
Operator:	EO				
Set-up date:	18/2/16				

Sample End (Week 3 & 4)	Sample	Sample	Sample	Sample	Sample
Run Time:					
Air volume (m <sup>3</sup> ):					
Average flow rate (L/min):					
Average ambient temp (°C):					
Average pressure (mmHg):					
Average relative humidity:					
Filter valid (not holed):	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No
Operator:					
Pick-up Date:	6/5/16	6/5/16	6/5/16	6/5/16	

Blank filter and monthly maintenance					
Blank external lab number		Set-up date		Operator	
Blank cassette number		Pick-up date			
Inspect sampler inlet surfaces	<input type="checkbox"/>			Operator	
External leak check	<input type="checkbox"/>	Result	mm Hg/min	Pass / Fail	Date

Notes:		AQTAM database up-dated	<input type="checkbox"/>
		Officer Initials	

Tick if any equipment changed	<input type="checkbox"/>	Attach Additional Station Log	
Peer Reviewer Signature		Field Officer Signature	
Peer review date		Date	





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Science Delivery Env Monitoring & Assessment Sciences Air Quality Monitoring	Partisol Sample Record and Maintenance sheet			Page ... Document Date July 19, 2011	1-5-16 rec
Site Location				PM10 Inlet Serial No	
Instrument Model/Serial No				VSCC Serial No	
<b>Sample Setup (Week 1 &amp; 2)</b>	Sample	Sample	Sample	Sample	Sample
Run date:	31/3/16	7/4/16	14/4/16	21/4/16	28/4/16
Week day of run:					
External lab number:	J0938	J0929	J0930	J0931	J0932
Cassette number:	0119	0108	0162	0101	
Filter identifier (if applicable):					
Operator:					
Set-up date:	18/2/16				
<b>Sample End (Week 1 &amp; 2)</b>					
Run Time:					
Air volume (m <sup>3</sup> ):					
Average flow rate (L/min):					
Average ambient temp (°C):					
Average pressure (mmHg):					
Average relative humidity:					
Filter valid (not holed):	(Yes) / No	(Yes) / No	(Yes) / No	(Yes) / No	Yes / No
Operator:					
Pick-up Date:	6/5/16	6/5/16	6/5/16	6/5/16	
<b>Sample Setup (Week 3 &amp; 4)</b>	Sample	Sample	Sample	Sample	Sample
Run date:	28/4/16	5/5/16	12/5/16	19/5/16	
Week day of run:					
External lab number:	J0932	J0933	J0914	J0915	
Cassette number:	0140	0126	22249	48829	
Filter identifier (if applicable):					
Operator:					
Set-up date:	18/3/16		4/5/16	4/5/16	
<b>Sample End (Week 3 &amp; 4)</b>					
Run Time:					
Air volume (m <sup>3</sup> ):					
Average flow rate (L/min):					
Average ambient temp (°C):					
Average pressure (mmHg):					
Average relative humidity:					
Filter valid (not holed):	(Yes) / No	(Yes) / No	(Yes) / No	(Yes) / No	Yes / No
Operator:					
Pick-up Date:	6/5/16	7/7/16	7/7/16	7/7/16	
<b>Blank filter and monthly maintenance</b>					
Blank external lab number		Set-up date		Operator	
Blank cassette number		Pick-up date			
Inspect sampler inlet surfaces	<input type="checkbox"/>	Operator			
External leak check	<input type="checkbox"/>	Result	mm Hg/min	Pass / Fail	Date
<b>Notes:</b>					AQTAM database up-dated
					<input type="checkbox"/>
					Officer Initials
Tick if any equipment changed <input type="checkbox"/>					Attach Additional Station Log
Peer Reviewer Signature		Field Officer Signature			
Peer review date		Date			



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Science Delivery Env Monitoring & Assessment Sciences Air Quality Monitoring	Partisol Sample Record and Maintenance sheet			Page ... Document Date July 19, 2011	1-5-16 rec
Site Location				PM10 Inlet Serial No	
Instrument Model/Serial No				VSCC Serial No	
<b>Sample Setup (Week 1 &amp; 2)</b>	Sample	Sample	Sample	Sample	Sample
Run date:	26/5/16	2/6/16	9/6/16	16/6/16	NOTES
Week day of run:					
External lab number:	J0916	J0917	J0918	J0908	
Cassette number:	048831	048828	048827	048826	
Filter identifier (if applicable):					
Operator:					
Set-up date:	4/5/16	4/5/16	4/5/16	4/5/16	
<b>Sample End (Week 1 &amp; 2)</b>					
Run Time:					
Air volume (m <sup>3</sup> ):					
Average flow rate (L/min):					
Average ambient temp (°C):					
Average pressure (mmHg):					
Average relative humidity:					
Filter valid (not holed):	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No
Operator:					
Pick-up Date:	7/7/16	7/7/16	7/7/16	7/7/16	
<b>Sample Setup (Week 3 &amp; 4)</b>	Sample	Sample	Sample	Sample	Sample
Run date:	23/6/16	30/6/16	7/7/16	14/7/16	
Week day of run:					
External lab number:	J0909	J0910	J0911	J0912	
Cassette number:	048823	048825	048824	048830	
Filter identifier (if applicable):	49 Sch 4				
Operator:					
Set-up date:	4/5/16	4/5/16	4/5/16	4/5/16	
<b>Sample End (Week 3 &amp; 4)</b>					
Run Time:					
Air volume (m <sup>3</sup> ):					
Average flow rate (L/min):					
Average ambient temp (°C):					
Average pressure (mmHg):					
Average relative humidity:					
Filter valid (not holed):	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No
Operator:					
Pick-up Date:	7/7/16	5/8/16	5/8/16	5/8/16	
<b>Blank filter and monthly maintenance</b>					
Blank external lab number		Set-up date		Operator	
Blank cassette number		Pick-up date		Operator	
Inspect sampler inlet surfaces	<input type="checkbox"/>	Result			Date
External leak check	<input type="checkbox"/>	mm Hg/min	Pass / Fail	Date	
Notes:					AQTAM database up-dated
					<input type="checkbox"/>
					Officer Initials
Tick if any equipment changed	<input type="checkbox"/>	Attach Additional Station Log			
Peer Reviewer Signature		Field Officer Signature			Date
Peer review date					Date





Site Location		PM10 Inlet Serial No	
Instrument Model/Serial No		VSCC Serial No	

Sample Setup (Week 1 & 2)	Sample	Sample	Sample	Sample	Sample
Run date:	21/7/16	28/7/16	4/8/16	11/8/16	<u>NOTES</u>
Week day of run:					
External lab number:	J0893	J0894	J0895	J0896	
Cassette number:	0121	0160	0149	0125	
Filter identifier (if applicable):					
Operator:					
Set-up date:	29/6/16	29/6/16	29/6/16	29/6/16	
<b>Sample End (Week 1 &amp; 2)</b>					

Run Time:					
Air volume (m <sup>3</sup> ):					
Average flow rate (L/min):					
Average ambient temp (°C):					
Average pressure (mmHg):					
Average relative humidity:					
Filter valid (not holed):	(Yes) / No	(Yes) / No	(Yes) / No	(Yes) / No	Yes / No
Operator:					
Pick-up Date:	5/8/16	2/9/16	2/9/16	2/9/16	

Sample Setup (Week 3 & 4)	Sample	Sample	Sample	Sample	Sample
Run date:	18/8/16	25/8/16	1/9/16	8/9/16	<u>NOTES</u>
Week day of run:					
External lab number:	J0897	J4447	J4488	J4499	
Cassette number:	0169	0137	0179	0152	
Filter identifier (if applicable):					
Operator:					
Set-up date:	29/6/16	2/8/16			
<b>Sample End (Week 3 &amp; 4)</b>					

Run Time:					
Air volume (m <sup>3</sup> ):					
Average flow rate (L/min):					
Average ambient temp (°C):					
Average pressure (mmHg):					
Average relative humidity:					
Filter valid (not holed):	(Yes) / No	(Yes) / No	(Yes) / No	(Yes) / No	Yes / No
Operator:	49 Sch 4				
Pick-up Date:	2/9/16	2/9/16	7/11/16	7/11/16	

<b>Blank filter and monthly maintenance</b>					
Blank external lab number		Set-up date		Operator	
Blank cassette number		Pick-up date			
Inspect sampler inlet surfaces <input type="checkbox"/>		Operator		Date	
External leak check <input type="checkbox"/>	Result	mm Hg/min	Pass / Fail		

Notes:	AQTAM database updated
	<input type="checkbox"/>
	Officer Initials

Tick if any equipment changed <input type="checkbox"/>	Attach Additional Station Log
Peer Reviewer Signature	Field Officer Signature
Peer review date	Date

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Science Delivery Env Monitoring & Assessment Sciences Air Quality Monitoring	Partisol Sample Record and Maintenance sheet			Page ... Document Date July 19, 2011	1-5-16 rec
Site Location				PM10 Inlet Serial No	
Instrument Model/Serial No				VSCC Serial No	
<b>Sample Setup (Week 1 &amp; 2)</b>	<b>Sample</b>	<b>Sample</b>	<b>Sample</b>	<b>Sample</b>	<b>Sample</b>
Run date:	15/9/16	22/9/16	29/9/16	6/10/16	NOTES
Week day of run:					
External lab number:	J4439	J4440	J4441	J4443	
Cassette number:	0190	0180	0170	0158	
Filter identifier (if applicable):					
Operator:					
Set-up date:	24/8/16	24/8/16	24/8/16	24/8/16	
<b>Sample End (Week 1 &amp; 2)</b>					
Run Time:					
Air volume (m <sup>3</sup> ):					
Average flow rate (L/min):					
Average ambient temp (°C):					
Average pressure (mmHg):					
Average relative humidity:					
Filter valid (not holed):	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No
Operator:					
Pick-up Date:	7/11/16	7/11/16	7/11/16	7/11/16	
<b>Sample Setup (Week 3 &amp; 4)</b>	<b>Sample</b>	<b>Sample</b>	<b>Sample</b>	<b>Sample</b>	<b>Sample</b>
Run date:	13/10/16	20/10/16	27/10/16		NOTES
Week day of run:					
External lab number:	J4444	J4445	J4446		
Cassette number:	0151	0119	0108		
Filter identifier (if applicable):					
Operator:					
Set-up date:	24/8/16	24/8/16	24/8/16		
<b>Sample End (Week 3 &amp; 4)</b>					
Run Time:					
Air volume (m <sup>3</sup> ):					
Average flow rate (L/min):					
Average ambient temp (°C):					
Average pressure (mmHg):					
Average relative humidity:					
Filter valid (not holed):	Yes / No	Yes / No	Yes / No	Yes / No	Yes / No
Operator:					
Pick-up Date:	7/11/16	7/11/16	7/11/16		
<b>Blank filter and monthly maintenance</b>					
Blank external lab number		Set-up date		Operator	
Blank cassette number		Pick-up date			
Inspect sampler inlet surfaces	<input type="checkbox"/>			Operator	
External leak check	<input type="checkbox"/>	Result	mm Hg/min	Pass / Fail	Date
Notes:					AQTAM database up- dated
					<input type="checkbox"/>
					Officer Initials
Tick if any equipment changed	<input type="checkbox"/>	Attach Additional Station Log			
Peer Reviewer Signature		Field Officer Signature			
Peer review date		Date			

# Memo

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**To** SIMTARS

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**From** Don Neale, Air Quality Monitoring DSITI

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**Subject** Partisol Filter Analysis request

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**Date** 03/11/2015

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Please carry out the following analyses on the 16 Partisol 47mm PVC filters supplied:

- Gravimetric analysis using procedure LP0046 "Procedure for Weighing Fine Particulate Matter Filters".
- Quartz analysis using LP0016 "Procedure for Measurement of Crystalline Silica in Airborne Dust by Infrared Spectroscopy"

If there are any questions relating to this request I can be contacted on 3170 5477.

Regards

Don Neale  
Science Leader  
**Air Quality Monitoring**

# Memo

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**To** SIMTARS

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**From** Don Neale, Air Quality Monitoring DSITI

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**Subject** Partisol Filter Analysis request

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**Date** 10/11/2016

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Please carry out the following analyses on the 18 Partisol 47 mm PVC filters supplied:

- Gravimetric analysis using procedure LP0046 "Procedure for Weighing Fine Particulate Matter Filters".
- Quartz analysis using LP0016 "Procedure for Measurement of Crystalline Silica in Airborne Dust by Infrared Spectroscopy"

If there are any questions relating to this request I can be contacted on 3170 5477.

Regards

Tahlia Duncan

On behalf of  
Don Neale  
Science Leader

**Air Quality Monitoring**

**Email:** don.neale@dsiti.qld.gov.au

# Memo

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**To** SIMTARS

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**From** Don Neale, Air Quality Monitoring DSITI

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**Subject** Partisol Filter Analysis request

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**Date** 11/08/2016

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Please carry out the following analyses on the nine Partisol 47 mm PVC filters supplied:

- Gravimetric analysis using procedure LP0046 "Procedure for Weighing Fine Particulate Matter Filters".
- Quartz analysis using LP0016 "Procedure for Measurement of Crystalline Silica in Airborne Dust by Infrared Spectroscopy"

If there are any questions relating to this request I can be contacted on 3170 5477.

Regards

Don Neale  
Science Leader

**Air Quality Monitoring**

**Email:** don.neale@dsiti.qld.gov.au

**Please cc:** ronald.musenze@dsiti.qld.gov.au

# Memo

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**To** SIMTARS

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**From** Don Neale, Air Quality Monitoring DSITI

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**Subject** Partisol Filter Analysis request

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**Date** 11/02/2016

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Please carry out the following analyses on the 20 Partisol 47 mm PVC filters supplied:

- Gravimetric analysis using procedure LP0046 "Procedure for Weighing Fine Particulate Matter Filters".
- Quartz analysis using LP0016 "Procedure for Measurement of Crystalline Silica in Airborne Dust by Infrared Spectroscopy"

If there are any questions relating to this request I can be contacted on 3170 5477.

Regards

Don Neale  
Science Leader  
**Air Quality Monitoring**

# Memo

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**To** SIMTARS

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**From** Don Neale, Air Quality Monitoring DSITI

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**Subject** Partisol Filter Analysis request

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**Date** 15/12/2015

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Please carry out the following analyses on the 8 Partisol 47 mm PVC filters supplied:

- Gravimetric analysis using procedure LP0046 "Procedure for Weighing Fine Particulate Matter Filters".
- Quartz analysis using LP0016 "Procedure for Measurement of Crystalline Silica in Airborne Dust by Infrared Spectroscopy"

If there are any questions relating to this request I can be contacted on 3170 5477.

Regards

Don Neale  
Science Leader  
**Air Quality Monitoring**

# Memo

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**To** SIMTARS

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**From** Don Neale, Air Quality Monitoring DSITI

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**Subject** Partisol Filter Analysis request

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**Date** 16/09/2016

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Please carry out the following analyses on the nine Partisol 47 mm PVC filters supplied:

- Gravimetric analysis using procedure LP0046 "Procedure for Weighing Fine Particulate Matter Filters".
- Quartz analysis using LP0016 "Procedure for Measurement of Crystalline Silica in Airborne Dust by Infrared Spectroscopy"

If there are any questions relating to this request I can be contacted on 3170 5477.

Regards

Don Neale  
Science Leader  
**Air Quality Monitoring**

**Email:** don.neale@dsiti.qld.gov.au



# Memo

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**To** SIMTARS

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**From** Don Neale, Air Quality Monitoring DSITI

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**Subject** Partisol Filter Analysis request

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**Date** 19/07/2016

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Please carry out the following analyses on the 16 Partisol 47 mm PVC filters supplied:

- Gravimetric analysis using procedure LP0046 "Procedure for Weighing Fine Particulate Matter Filters".
- Quartz analysis using LP0016 "Procedure for Measurement of Crystalline Silica in Airborne Dust by Infrared Spectroscopy"

If there are any questions relating to this request I can be contacted on 3170 5477.

Regards

Don Neale  
Science Leader

**Air Quality Monitoring**

**Email:** don.neale@dsiti.qld.gov.au

**Please cc:** ronald.musenze@dsiti.qld.gov.au

HARTS ROAD PM2.5 PARTISOL	PM <sub>2.5</sub> Filter No.	Run time	PM <sub>2.5</sub> Volume	Average Temp	Average Pressure	Corrected PM <sub>2.5</sub> Volume	PM <sub>2.5</sub> mass	PM <sub>2.5</sub> concentration	PM <sub>2.5</sub> Quartz mass	PM <sub>2.5</sub> Quartz concentration	Filter valid? (not holed)	Comments
Week commencing		(hh:min:ss)	(m <sup>3</sup> )	(degC)	(mmHg)	(m <sup>3</sup> )	(mg)	(µg/m <sup>3</sup> )	(mg)	(µg/m <sup>3</sup> )		
03/09/2015	I8401	166:05:00	165.4	18	763	155.8	0.69	4.4	0.01	0.06	Y	
10/09/2015	I8400	167:58:00	167.3	18.1	767	158.3	0.66	4.2	<LOR	<0.06	Y	
17/09/2015	I8398	167:58:00	167.3	17.4	763	157.9	0.70	4.4	<LOR	<0.06	Y	
24/09/2015	I8399	167:57:00	167.2	16.5	765	158.7	0.48	3.0	<LOR	<0.06	Y	
01/10/2015	I8397	167:57:00	167.2	20.9	769	157.2	0.84	5.3	<LOR	<0.06	Y	
08/10/2015	I8396	167:58:00	167.2	20.6	768	157.1	0.79	5.0	<LOR	<0.06	Y	
15/10/2015	I8395	167:57:00	167.2	20.8	767	156.8	0.54	3.4	<LOR	<0.06	Y	
22/10/2015	I8394	167:58:00	167.2	21.3	763	155.7	0.75	4.8	<LOR	<0.06	Y	
29/10/2015	I8393	167:58:00	167.2	21.7	763	155.5	0.64	4.1	<LOR	<0.06	Y	
05/11/2015	I8392	167:58:00	167.2	22.5	759	154.3	0.55	3.6	<LOR	<0.06	Y	
12/11/2015	I8412	167:58:00	167.2	21.7	760	154.9	0.60	3.9	<LOR	<0.06	Y	
19/11/2015	I8411	167:58:00	167.1	25.4	760	152.9	0.97	6.3	<LOR	<0.07	Y	
26/11/2015	I8410	167:58:00	167.1	25.9	759	152.4	1.00	6.5	<LOR	<0.07	Y	
03/12/2015	I8409	167:58:00	167.2	22.9	764	155.1	0.67	4.3	0.01	0.06	Y	
10/12/2015	I8414	160:52:00	160.1	23.6	760	147.4	0.79	5.4	<LOR	<0.07	Y	
17/12/2015	I8413	167:57:00	167.2	23.8	761	154.0	0.59	3.9	<LOR	<0.06	Y	
24/12/2015	I8391	167:58:00	167.1	23.3	759	153.8	0.49	3.2	<LOR	<0.07	Y	
31/12/2015	I8390	167:57:00	167.1	23	756	153.3	0.61	4.0	<LOR	<0.07	Y	
07/01/2016	I8389	167:57:00	167.1	24.5	761	153.5	0.67	4.4	<LOR	<0.07	Y	
14/01/2016	I8388	167:58:00	167.1	23.8	762	154.1	0.41	2.7	<LOR	<0.06	Y	
21/01/2016	I8387	167:58:00	167.1	25.2	758	152.6	0.94	6.1	<LOR	<0.07	Y	
28/01/2016	H2928	167:58:00	167.1	27	753	150.7	0.68	4.5	<LOR	<0.07	Y	
04/02/2016	H2927	167:58:00	167.1	24.5	758	152.9	0.59	3.9	<LOR	<0.07	Y	
11/02/2016	H2926	167:57:00	167.1	25.6	756	152.0	0.78	5.1	<LOR	<0.07	Y	
18/02/2016	H0296	167:57:00	167.1	26.2	760	152.5	0.81	5.3	<LOR	<0.07	Y	
25/02/2016	H0300	167:58:00	167.1	25.7	760	152.7	0.61	4.0	<LOR	<0.07	Y	
03/03/2016	J0919	167:58:00	167.1	24.4	764	154.2	0.51	3.3	<LOR	<0.06	Y	
10/03/2016	J0920	167:57:00	167.1	24.8	762	153.6	0.66	4.3	<LOR	<0.07	Y	
17/03/2016	J0921	167:58:00	167.1	24.3	757	152.8	0.61	4.0	<LOR	<0.07	Y	
24/03/2016	J0922	167:57:00	167.1	23	762	154.5	0.54	3.5	<LOR	<0.06	Y	
31/03/2016	J0923	167:58:00	167.1	23.5	762	154.3	0.70	4.5	<LOR	<0.06	Y	
07/04/2016	J0924	167:58:00	167.1	23.1	763	154.7	0.75	4.8	0.01	0.06	Y	
14/04/2016	J0925	167:58:00	167.1	21.1	764	155.9	0.54	3.5	<LOR	<0.06	Y	
21/04/2016	J0926	167:58:00	167.2	21.7	765	155.9	0.56	3.6	<LOR	<0.06	Y	
28/04/2016	J0927	167:58:00	167.2	21.8	763	155.5	0.49	3.2	<LOR	<0.06	Y	
05/05/2016	J0928	167:58:00	167.2	20.7	761	155.6					Y	
12/05/2016	J0898	167:57:00	167.2	18.3	763	157.3					N	Filter holed. Spectral interference encountered during determination of respirable quartz content. Result is qualitative only.
19/05/2016	J0899	167:58:00	167.1	18.9	763	156.9					Y	Spectral interference encountered during determination of respirable quartz content. Result is qualitative only.
26/05/2016	J0900	167:57:00	167.2	16.8	762	157.9					Y	Spectral interference encountered during determination of respirable quartz content. Result is qualitative only.
02/06/2016	J0901	167:57:00	167.2	16.7	758	157.2					Y	Spectral interference encountered during determination of respirable quartz content. Result is qualitative only.
09/06/2016	J0902	167:58:00	167.2	17.4	767	158.6					Y	
16/06/2016	J0907	167:58:00	167.2	17.1	761	157.6					Y	Spectral interference encountered during determination of respirable quartz content. Result is qualitative only.
23/06/2016	J0906	167:58:00	167.2	13.2	762	159.9					Y	Ran twice?? Power failure
30/06/2016	J0905	166:14:00	165.5	14.2	764	158.1					Y	Did not run - Use as blank
07/07/2016	J0904	167:58:00	167.2	15.8	762	158.5					Y	
14/07/2016	J0903	167:58:00	167.2	17.0	768	159.1					Y	
21/07/2016	J0888	167:58:00	167.2	17.4	760	157.2					Y	
28/07/2016	J0889	144:42:00	144.2	14.8	763	137.3					Y	Only ran for 144hr 42min
04/08/2016	J0890	167:58:00	167.2	15.3	766	159.6					Y	
11/08/2016	J0891	167:58:00	167.2	16.5	767	159.1					Y	
18/08/2016	J0892	167:57:00	167.1	17.2	761	157.4					Y	
25/08/2016	J4450	167:58:00	167.2	15.4	764	159.1					Y	
01/09/2016	J4451	167:57:00	167.2	18.7	764	157.3					Y	
08/09/2016	J4442	167:57:00	167.2	19.4	764	156.9					N	filter holed
15/09/2016	J4432	167:58:00	167.2	19.0	761	156.5					Y	
22/09/2016	J4433	167:58:00	167.2	18.4	757	156.0					N	filter holed
29/09/2016	J4434	167:58:00	167.1	18.7	757	155.8					Y	
06/10/2016	J4435	167:58:00	167.2	19.8	762	156.3					Y	
13/10/2016	J4436	167:58:00	167.2	18.7	762	156.9					Y	
20/10/2016	J4437	167:58:00	167.2	20.0	762	156.2					Y	
27/10/2016	J4438	167:58:00	167.1	22.5	760	154.4					Y	

VENNOR DRIVE PM2.5 PARTISOL	PM <sub>2.5</sub> Filter No.	Run time	PM <sub>2.5</sub> Volume	Average Temp	Average Pressure	Correcte d PM <sub>2.5</sub> Volume	PM <sub>2.5</sub> mass	PM <sub>2.5</sub> concentration	PM <sub>2.5</sub> Quartz mass	PM <sub>2.5</sub> Quartz concentration	Filter valid? (not holed)	Comment s
Week commencing		(hh:min:ss)	(m <sup>3</sup> )	(degC)	(mmHg)	(m <sup>3</sup> )	(mg)	(µg/m <sup>3</sup> )	(mg)	(µg/m <sup>3</sup> )		
10/09/2015	I8408	167:58:00	167.0	19.4	763	156.5	0.54	3.4	<LOR	<0.06	Y	
17/09/2015	I8407	167:58:00	167.0	18.4	758	156.0	0.70	4.5	<LOR	<0.06	Y	
24/09/2015	I8406	167:58:00	167.0	18.2	759	156.4	0.71	4.5	<LOR	<0.06	Y	
01/10/2015	I8405	167:58:00	166.9	23.1	763	154.5	0.87	5.6	<LOR	<0.06	Y	
08/10/2015	I8404	167:57:00	166.9	21.2	763	155.5	0.83	5.3	<LOR	<0.06	Y	
15/10/2015	I8403	167:58:00	166.9	22	761	154.7	0.60	3.9	<LOR	<0.06	Y	
22/10/2015	I8422	167:58:00	166.9	21.5	758	154.3	0.65	4.2	<LOR	<0.06	Y	
29/10/2015	I8421	167:58:00	166.9	22.1	757	153.8	0.62	4.0	<LOR	<0.07	Y	
05/11/2015	I8420	167:58:00	166.9	22.6	754	152.9	0.58	3.8	<LOR	<0.07	Y	
12/11/2015	I8419	167:58:00	166.9	22.1	756	153.6	0.59	3.8	<LOR	<0.07	Y	
19/11/2015	I8418	167:56:00	166.9	25.6	754	151.4	1.09	7.2	<LOR	<0.07	Y	
26/11/2015	I8417	167:58:00	166.9	25.9	753	151.0	1.04	6.9	0.01	0.07	Y	
03/12/2015	I8416	167:58:00	166.9	23.4	758	153.3	0.59	3.9	<LOR	<0.07	Y	
10/12/2015	I8415	167:58:00	166.9	23.9	754	152.3	0.81	5.3	<LOR	<0.07	Y	
17/12/2015	I8386	167:58:00	166.9	24.5	755	152.2	0.60	4.0	<LOR	<0.07	Y	
24/12/2015	I8385	167:58:00	166.9	23.5	753	152.3	0.50	3.3	<LOR	<0.07	Y	
31/12/2015	I8384	166:13:00	165.2	23.1	752	150.7	0.55	3.6	<LOR	<0.07	Y	
07/01/2016	I8383	167:57:00	166.9	24.9	756	152.2	0.61	4.0	<LOR	<0.07	Y	
14/01/2016	I8382	167:58:00	166.9	24.2	757	152.7	0.49	3.2	0.01	0.07	Y	
21/01/2016	H2930	167:57:00	166.9	25.4	752	151.1	1.05	6.9	0.01	0.07	Y	
28/01/2016	H2929	167:57:00	166.9	27.1	748	149.4	0.81	5.4	0.01	0.07	Y	
04/02/2016	H0327	167:57:00	166.9	24.3	752	151.7	0.60	4.0	<LOR	<0.07	Y	
11/02/2016	H0299	167:57:00	166.9	25.8	752	150.9	0.76	5.0	<LOR	<0.07	Y	
18/02/2016	H0330	167:58:00	166.9	26.1	756	151.5	0.68	4.5	<LOR	<0.07	Y	
25/02/2016	G9666	167:42:00	166.7	25.8	755	151.3	0.84	5.6	<LOR	<0.07	Y	
03/03/2016	J0934	167:58:00	166.9	24.3	759	153.1	0.46	3.0	<LOR	<0.07	Y	
10/03/2016	J0935	167:58:00	166.9	24.8	755	152.0	0.66	4.3	<LOR	<0.07	Y	
17/03/2016	J0936	167:58:00	166.9	24.5	752	151.5	0.57	3.8	<LOR	<0.07	Y	
24/03/2016	J0937	167:57:00	166.9	24.3	756	152.5	0.57	3.7	<LOR	<0.07	Y	
31/03/2016	J0938	167:57:00	166.9	24.7	758	152.7	0.72	4.7	<LOR	<0.07	Y	
07/04/2016	J0929	167:57:00	166.9	24.3	758	152.9	0.73	4.8	<LOR	<0.07	Y	
14/04/2016	J0930	167:58:00	166.9	22.2	759	154.2	0.40	2.6	<LOR	<0.06	Y	
21/04/2016	J0931	167:58:00	166.9	22.4	759	154.0	0.63	4.1	<LOR	<0.06	Y	
28/04/2016	J0932	167:58:00	166.9	22.5	757	153.6	0.53	3.5	<LOR	<0.07	Y	
05/05/2016	J0933	167:58:00	166.9	22.5	756	153.4					Y	
12/05/2016	J0914	167:58:00	166.9	21.5	758	154.3					Y	
19/05/2016	J0915	167:57:00	166.9	21.4	757	154.2					Y	
26/05/2016	J0916	167:57:00	166.9	19.1	756	155.2					Y	
02/06/2016	J0917	167:57:00	166.9	17.4	752	155.3					Y	
09/06/2016	J0918	167:58:00	166.9	18.6	762	156.7					Y	
16/06/2016	J0908	167:58:00	166.9	18.0	755	155.6					Y	
23/06/2016	J0909	167:57:00	166.9	15.0	756	157.4					Y	
30/06/2016	J0910	167:57:00	166.9	16.4	757	156.8					Y	
07/07/2016	J0911	167:57:00	166.9	17.5	757	156.2					Y	
14/07/2016	J0912	167:58:00	166.9	17.8	762	157.1					Y	
21/07/2016	J0893	167:58:00	166.9	19.0	754	154.8					Y	
28/07/2016	J0894	167:58:00	166.9	17.9	756	155.8	1.20	7.7			Y	
04/08/2016	J0895	167:58:00	166.9	17.0	759	156.9	0.36	2.3			Y	
11/08/2016	J0896	167:57:00	166.9	18.0	761	156.8	0.66	4.2			Y	
18/08/2016	J0897	167:58:00	166.9	18.8	756	155.3	0.56	3.6			Y	
25/08/2016	J4447	167:58:00	166.9	17.7	758	156.3	0.44	2.8			Y	
01/09/2016	J4448	167:57:00	166.9	19.4	759.0	155.6					Y	
08/09/2016	J4449	167:58:00	166.9	20.0	759.0	155.3					Y	
15/09/2016	J4439	167:58:00	166.9	19.7	755.0	154.6					Y	
22/09/2016	J4440	167:58:00	166.9	20.2	751.0	153.6					Y	
29/09/2016	J4441	167:57:00	166.9	20.4	751.0	153.5					Y	
06/10/2016	J4443	167:57:00	166.9	21.4	756.0	154.0					Y	
13/10/2016	J4444	167:58:00	166.9	19.9	756.0	154.7					Y	
20/10/2016	J4445	167:58:00	166.9	21.2	757.0	154.3					Y	
27/10/2016	J4446	167:58:00	166.9	23.0	754.0	152.7					Y	

Report Number OL692929N1

Report Issue Date 13th November 2015

Report Number: OL692929N1

Results for Gravimetric & Quartz Analysis:

Laboratory Number Sample Respirable

Table with 4 columns: Laboratory Number, Sample Identification, Respirable Dust Content (mg), Quartz Content (mg). Rows include samples OL692929/01 to OL692929/15.

Report Number OL692958N1

Report Issue Date 23rd December 2015

Report Number: OL692958N1

Results for Gravimetric & Quartz Analysis:

Laboratory Number Sample Respirable

Table with 4 columns: Laboratory Number, Sample Identification, Respirable Dust Content (mg), Quartz Content (mg). Rows include samples OL692958/01 to OL692958/08.

References: Quartz by FTIR

Report Number OL692967N1

Report Issue Date 1st March 2016

Results for Gravimetric & Quartz Analysis:

Laboratory Number Sample Respirable

Table with 4 columns: Laboratory Number, Sample Identification, Respirable Dust Content (mg), Quartz Content (mg). Rows include samples OL692967/01 to OL692967/20.

References: Quartz by FTIR

Report Number OL693071N1

Report Issue Date 8th June 2016

Results for Gravimetric & Quartz Analysis:

Laboratory Number Sample Respirable

Table with 4 columns: Laboratory Number, Sample Identification, Respirable Dust Content (mg), Quartz Content (mg). Rows include samples OL693071/61 to OL693071/86.

Limit of Reporting (LOR) 0.01 0.01

Report Number OL693109N1

Report Issue Date 27 July 2016

Content Quartz Content

Table with 4 columns: Content, Quartz Content (mg), Limit of Reporting (LOR). Rows include samples OL693109/01\* to OL693109/16.

Limit of Reporting (LOR) 0.01 0.01

\* Spectral interference encountered during determination of respirable quartz content. Result is qualitative only.

References: Quartz by FTIR using Simtars in-house procedure LP0016.

Weighing of fine particulate matter filters by Simtars in-house procedure LP0046.

Report Number OL693126N1

Report Issue Date 26 August 2016

Content Quartz Content

Table with 4 columns: Content, Quartz Content (mg), Limit of Reporting (LOR). Rows include samples OL693126/ J0888 to OL693126/ J0912.

Limit of Reporting (LOR) 0.01 0.01

\* Spectral interference encountered during determination of respirable quartz content. Result is qualitative only.

References: Quartz by FTIR using Simtars in-house procedure LP0016.

Weighing of fine particulate matter filters by Simtars in-house procedure LP0046.

Report Number OL693151N1

Report Issue Date 26 September 2016

Content Quartz Content

Table with 4 columns: Content, Quartz Content (mg), Limit of Reporting (LOR). Rows include samples OL693151/ J0890 to OL693151/ J4450.

Limit of Reporting (LOR) 0.01 0.01

References: Quartz by FTIR using Simtars in-house procedure LP0016.

Weighing of fine particulate matter filters by Simtars in-house procedure LP0046.

Report Number OL693186N1

Report Issue Date 22 November 2016

Content Dust Content (mg) Quartz Content (mg)

Table with 4 columns: Content, Dust Content (mg), Quartz Content (mg), Limit of Reporting (LOR). Rows include samples OL693186/ J4432 to OL693186/ J4438.

Limit of Reporting (LOR) 0.01 0.01

References: Quartz by FTIR using Simtars in-house procedure LP0016.

Weighing of fine particulate matter filters by Simtars in-house procedure LP0046.