Environmental Assessment Works

South Australian Environment Protection Authority

37 - 41 Cliff Street, Glenelg East

Appendix H: NATA Laboratory Certificates – Soil Vapour

CHAIN OF CUSTODY - Client

ENVIROLAB GROUP - National phone number 1300 42 43 44

Sydney Lab - Envirolab Services
12 Ashley St, Chatswood, NSW 2067
Ph 02 9910 6200 / sydney@envirolab.com.au

Perth Lab - MPL Laboratories
16-18 Hayden Crt Myaree, WA 6154
Ph 08 9317 2505 / lab@mpl.com.au

Melbourne Lab - Envirolab Services
1A Dalmore Drive Scoresby VIC 3179
Ph 03 9763 2500 / melbourne@envirolab.com.au

Brisbane Office - Envirolab Services
20a, 10-20 Depot St, Banyo, QLD 4014
Ph 07 3266 9532 / brisbane@envirolab.com.au

Adelaide Office - Envirolab Services
7a The Parade, Norwood, SA 5067
Ph 0406 350 706 / adelaide@envirolab.com.au

Client: AEC ENVIRONMENTAL
Contact Person: SIMON WELSH
Project Mgr: SIMON WELSH
Sampler: GREG NIELD
Address:
Phone: **Mob:** 0420 306 218
Email: simon.welsh@aecaust.com.au

Client Project Name / Number / Site etc (ie report title): J125792
PO No.: 48238
Envirolab Quote No. :
Date results required:
Or choose: standard / same day / 1 day / 2 day / 3 day
Note: Inform lab in advance if urgent turnaround is required - surcharges apply
Report format: esdat / equis /
Lab Comments:

Sample information | **Tests Required**

	Envirolab Sample ID	Client Sample ID or information	Depth	Date sampled	Type of sample	TO17	TRH		IPA in air										Comments
1	235988	SGP04_1.5m	1-5	23/7/14	TDT	X	X												1 min Sampling time
2	223429	"	1-5			X	X												5 min
3	235989	SGP03_1.5m	1-5			X	X												1 min
4	235987	"	1-5			X	X												5 min
5	235982	SGP01_0.5m	0-5			X	X												1 min
6	235985	"	0-5			X	X												5 min
7	235981	SGP01_2.0	2.0			X	X												1 min
8	235984	"	2.0			X	X												5 min
9	235986	QVP01	2.0			X	X												1 min
10	235961	QVP01	2.0			X	X												5 min
11	235974	TRIP SPIKE	—			X	X												1 min
12	235995	TRIP BLANK	—			X	X												5 min
13	4879620073	SHROUD	—	↓	CARBON TUBE				X										

Envirolab Services
12 Ashley St
Chatswood NSW 2067
Ph: (02) 9910 6200
Job No: 113653
Date Received: 25/7/14
Time Received: 10:50
Received by: LC.W.
Temp: Cool/Ambient
Cooling: Ice/Icepack
Security: Intact/Broken/None

Relinquished by (Company): AEC
Print Name: SIMON WELSH
Date & Time: 24/7/14
Signature:

Received by (Company): EIS
Print Name: Cevin Wang
Date & Time: 25/7/14 10:50
Signature: lc w.

Lab use only:
Samples Received: Cool or Ambient (circle one)
Temperature Received at: **(if applicable)**
Transported by: Hand delivered / courier

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
enquiries@envirolabservices.com.au
www.envirolabservices.com.au

SAMPLE RECEIPT ADVICE

Client:

AEC Environmental Pty Ltd
12 Greenhill Rd
Wayville SA 5034

ph: 8299 9955
Fax:

Attention: Simon Welsh

Sample log in details:

Your reference:	**J125792**
Envirolab Reference:	**113653**
Date received:	25/07/2014
Date results expected to be reported:	**1/08/14**

Samples received in appropriate condition for analysis:	YES
No. of samples provided	12 TD Tubes, 1 Carbon Tube
Turnaround time requested:	Standard
Temperature on receipt (°C)	NA
Cooling Method:	None
Sampling Date Provided:	YES

Comments:

If there is sufficient sample after testing, samples will be held for the following time frames from date of receipt of samples:
Water samples - 1 month
Soil and other solid samples - 2 months
Samples collected in canisters - 1 week. Canisters will then be cleaned.
All other samples are not retained after analysis
If you require samples to be retained for longer periods then retention fees will apply as per our pricelist.

Contact details:

Please direct any queries to Aileen Hie or Jacinta Hurst
ph: 02 9910 6200 fax: 02 9910 6201
email: ahie@envirolabservices.com.au or jhurst@envirolabservices.com.au

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
enquiries@envirolabservices.com.au
www.envirolabservices.com.au

CERTIFICATE OF ANALYSIS 113653

Client:
AEC Environmental Pty Ltd
12 Greenhill Rd
Wayville
SA 5034

Attention: Simon Welsh

Sample log in details:

Your Reference:	**J125792**
No. of samples:	12 TD Tubes, 1 Carbon Tube
Date samples received / completed instructions received	25/07/2014 / 25/072014

Analysis Details:
Please refer to the following pages for results, methodology summary and quality control data.
Samples were analysed as received from the client. Results relate specifically to the samples as received.
Results are reported on a dry weight basis for solids and on an as received basis for other matrices.
Please refer to the last page of this report for any comments relating to the results.

Report Details:

Date results requested by: / Issue Date:	1/08/14 / 1/08/14
Date of Preliminary Report:	Not issued

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Accredited for compliance with ISO/IEC 17025. **Tests not covered by NATA are denoted with *.**

Results Approved By:

Jacinta Hurst
Laboratory Manager

TO17 in TD tubes Our Reference: Your Reference Sample ID Exposure Time (minutes) Type of sample	UNITS ---------- ----------	113653-1 SGO04_1.5 235988 1 air	113653-2 SGO04_1.5 223429 5 air	113653-3 SGO03_1.5 235989 1 air	113653-4 SGO03_1.5 235987 5 air	113653-7 SGP01_2.0 235981 1 air
Date analysed	-	26/07/2014	26/07/2014	26/07/2014	26/07/2014	26/07/2014
Propylene	ng/tube	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ng/tube	<1	<1	<1	<1	<1
Chloromethane	ng/tube	<1	<1	<1	<1	<1
1,2-Dichlorotetrafluoroethane	ng/tube	<1	<1	<1	<1	<1
Vinyl chloride	ng/tube	<1	<1	<1	<1	<1
1,3-Butadiene	ng/tube	<1	<1	<1	<1	<1
Bromomethane	ng/tube	<1	<1	<1	<1	<1
Chloroethane	ng/tube	<1	<1	<1	<1	<1
Ethanol	ng/tube	<1	<1	<1	<1	15
Acrolein	ng/tube	<1	<1	<1	<1	<1
Trichlorofluoromethane	ng/tube	<1	<1	<1	<1	<1
Isopropyl Alcohol	ng/tube	270	61	190	130	82
1,1-Dichloroethene	ng/tube	<1	<1	<1	<1	10
1,1,2-Trichlorotrifluoroethane	ng/tube	<1	<1	<1	<1	<1
Carbon Disulfide	ng/tube	2	2	<1	3	2
trans-1,2-dichloroethene	ng/tube	<1	<1	<1	<1	34
MTBE	ng/tube	<1	<1	<1	<1	<1
1,1- Dichloroethane	ng/tube	<1	<1	<1	<1	<1
Vinyl Acetate	ng/tube	<1	<1	<1	<1	<1
MEK	ng/tube	<1	<1	<1	<1	<1
Hexane	ng/tube	7	13	4	7	10
cis-1,2-Dichloroethene	ng/tube	4	23	5	3	4300 #
Ethyl Acetate	ng/tube	<1	<1	<1	<1	<1
Chloroform	ng/tube	<1	5	1	4	7
Tetrahydrofuran	ng/tube	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	ng/tube	<1	<1	<1	<1	<1
1,2-Dichloroethane	ng/tube	<1	<1	<1	<1	<1
Benzene	ng/tube	<1	<1	<1	<1	1
Carbon tetrachloride	ng/tube	<1	<1	<1	<1	<1
Cyclohexane	ng/tube	<1	<1	<1	<1	1
Heptane	ng/tube	4	2	2	<1	2
Trichloroethene	ng/tube	7	110	26	27	500 #
1,2-Dichloropropane	ng/tube	<1	<1	<1	<1	<1
1,4-Dioxane	ng/tube	<1	<1	<1	<1	<1
Bromodichloromethane	ng/tube	<1	<1	<1	<1	<1
Methyl Methacrylate	ng/tube	<1	<1	<1	<1	<1
MIBK	ng/tube	<1	<1	<1	<1	<1
cis-1,3-Dichloropropene	ng/tube	<1	<1	<1	<1	<1
trans-1,3-Dichloropropene	ng/tube	<1	<1	<1	<1	<1
Toluene	ng/tube	8	12	7	8	7

TO17 in TD tubes Our Reference: Your Reference Sample ID Exposure Time (minutes) Type of sample	UNITS ---------- ----------	113653-1 SGO04_1.5 235988 1 air	113653-2 SGO04_1.5 223429 5 air	113653-3 SGO03_1.5 235989 1 air	113653-4 SGO03_1.5 235987 5 air	113653-7 SGP01_2.0 235981 1 air
1,1,2-Trichloroethane	ng/tube	<1	<1	<1	<1	<1
Methyl Butyl Ketone	ng/tube	<1	<1	<1	<1	<1
Dibromochloromethane	ng/tube	<1	<1	<1	<1	<1
Tetrachloroethene	ng/tube	4	170	94	3100 #	4600 #
1,2-Dibromoethane	ng/tube	<1	<1	<1	<1	<1
Chlorobenzene	ng/tube	<1	<1	<1	<1	<1
Ethylbenzene	ng/tube	1	1	1	1	<1
m-& *p*-Xylene	ng/tube	2	3	4	2	<2
Styrene	ng/tube	<1	1	<1	<1	<1
o-Xylene	ng/tube	<1	1	1	<1	<1
Bromoform	ng/tube	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ng/tube	<1	<1	<1	<1	<1
4-ethyl toluene	ng/tube	<1	<1	<1	<1	<1
1,3,5-Trimethylbenzene	ng/tube	2	2	2	2	2
1,2,4-Trimethylbenzene	ng/tube	<1	1	2	<1	1
1,3-Dichlorobenzene	ng/tube	<1	<1	<1	<1	<1
Benzyl chloride	ng/tube	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	ng/tube	<1	1	1	1	1
1,2-Dichlorobenzene	ng/tube	<1	<1	<1	<1	<1
1,2,4-Trichlorobenzene	ng/tube	<1	<1	<1	<1	<1
Naphthalene	ng/tube	1	4	2	3	3
Hexachloro-1,3-butadiene	ng/tube	<1	<1	<1	<1	<1
Surrogate-Bromochloromethane	% rec	113	83	103	99	113
Surrogate-1,4-Difluorobenzene	% rec	111	97	101	98	110
Surrogate-Chlorobenzene-D5	% rec	106	107	97	100	101

TO17 in TD tubes Our Reference: Your Reference Sample ID Exposure Time (minutes) Type of sample	UNITS ---------- ----------	113653-8 SGP01_2.0 235984 5 air	113653-9 QVP01 235986 1 air	113653-10 QVP01 235961 5 air	113653-11 Trip Spike 235994 0 air	113653-12 Trip Blank 235995 0 air
Date analysed	-	26/07/2014	26/07/2014	26/07/2014	26/07/2014	26/07/2014
Propylene	ng/tube	<1	<1	<1	104%	<1
Dichlorodifluoromethane	ng/tube	<1	<1	<1	[NT]	<1
Chloromethane	ng/tube	<1	<1	<1	[NT]	<1
1,2-Dichlorotetrafluoroethane	ng/tube	<1	<1	<1	[NT]	<1
Vinyl chloride	ng/tube	<1	<1	<1	[NT]	<1
1,3-Butadiene	ng/tube	<1	<1	<1	[NT]	<1
Bromomethane	ng/tube	<1	<1	<1	[NT]	<1
Chloroethane	ng/tube	<1	<1	<1	[NT]	<1
Ethanol	ng/tube	<1	4	5	[NT]	<1
Acrolein	ng/tube	<1	<1	<1	[NT]	<1
Trichlorofluoromethane	ng/tube	<1	<1	<1	[NT]	<1
Isopropyl Alcohol	ng/tube	160	31	58	[NT]	<1
1,1-Dichloroethene	ng/tube	40	10	44	[NT]	<1
1,1,2-Trichlorotrifluoroethane	ng/tube	<1	<1	<1	[NT]	<1
Carbon Disulfide	ng/tube	2	<1	<1	[NT]	<1
trans-1,2-dichloroethene	ng/tube	230	39	220	[NT]	<1
MTBE	ng/tube	<1	<1	<1	[NT]	<1
1,1-Dichloroethane	ng/tube	<1	<1	<1	[NT]	<1
Vinyl Acetate	ng/tube	<1	<1	<1	[NT]	<1
MEK	ng/tube	<1	<1	<1	[NT]	<1
Hexane	ng/tube	7	2	3	123%	<1
cis-1,2-Dichloroethene	ng/tube	18000 #	5300 #	18000 #	[NT]	<1
Ethyl Acetate	ng/tube	<1	<1	<1	[NT]	<1
Chloroform	ng/tube	56	8	54	[NT]	<1
Tetrahydrofuran	ng/tube	<1	<1	<1	[NT]	<1
1,1,1-Trichloroethane	ng/tube	<1	<1	<1	[NT]	<1
1,2-Dichloroethane	ng/tube	<1	<1	<1	[NT]	<1
Benzene	ng/tube	5	<1	4	110%	<1
Carbon tetrachloride	ng/tube	<1	<1	<1	[NT]	<1
Cyclohexane	ng/tube	2	<1	2	104%	<1
Heptane	ng/tube	2	<1	<1	106%	<1
Trichloroethene	ng/tube	5900 #	620 #	5800 #	[NT]	<1
1,2-Dichloropropane	ng/tube	<1	<1	<1	[NT]	<1
1,4-Dioxane	ng/tube	<1	<1	<1	[NT]	<1
Bromodichloromethane	ng/tube	<1	<1	<1	[NT]	<1
Methyl Methacrylate	ng/tube	<1	<1	<1	[NT]	<1
MIBK	ng/tube	<1	<1	<1	[NT]	<1
cis-1,3-Dichloropropene	ng/tube	<1	<1	<1	[NT]	<1
trans-1,3-Dichloropropene	ng/tube	<1	<1	<1	[NT]	<1
Toluene	ng/tube	9	2	5	105%	<1
1,1,2-Trichloroethane	ng/tube	<1	<1	<1	[NT]	<1

TO17 in TD tubes Our Reference: Your Reference Sample ID Exposure Time (minutes) Type of sample	UNITS ---------- ---------- 	113653-8 SGP01_2.0 235984 5 air	113653-9 QVP01 235986 1 air	113653-10 QVP01 235961 5 air	113653-11 Trip Spike 235994 0 air	113653-12 Trip Blank 235995 0 air
Methyl Butyl Ketone	ng/tube	<1	<1	<1	[NT]	<1
Dibromochloromethane	ng/tube	<1	<1	<1	[NT]	<1
Tetrachloroethene	ng/tube	25000 #	3600 #	26000 #	[NT]	<1
1,2-Dibromoethane	ng/tube	<1	<1	<1	[NT]	<1
Chlorobenzene	ng/tube	<1	<1	<1	[NT]	<1
Ethylbenzene	ng/tube	2	<1	1	98%	<1
m-& *p*-Xylene	ng/tube	4	<2	3	99%	<2
Styrene	ng/tube	<1	<1	<1	100%	<1
o-Xylene	ng/tube	1	<1	<1	97%	<1
Bromoform	ng/tube	<1	<1	<1	[NT]	<1
1,1,2,2-Tetrachloroethane	ng/tube	<1	<1	<1	[NT]	<1
4-ethyl toluene	ng/tube	<1	<1	<1	96%	<1
1,3,5-Trimethylbenzene	ng/tube	4	3	2	97%	<1
1,2,4-Trimethylbenzene	ng/tube	1	<1	1	96%	<1
1,3-Dichlorobenzene	ng/tube	<1	<1	<1	[NT]	<1
Benzyl chloride	ng/tube	<1	<1	<1	[NT]	<1
1,4-Dichlorobenzene	ng/tube	2	<1	1	[NT]	<1
1,2-Dichlorobenzene	ng/tube	<1	<1	<1	[NT]	<1
1,2,4-Trichlorobenzene	ng/tube	<1	<1	<1	[NT]	<1
Naphthalene	ng/tube	3	1	3	[NT]	<1
Hexachloro-1,3-butadiene	ng/tube	<1	<1	<1	[NT]	<1
Surrogate-Bromochloromethane	% rec	95	117	126	71	111
Surrogate-1,4-Difluorobenzene	% rec	96	117	91	97	114
Surrogate-Chlorobenzene-D5	% rec	102	105	104	97	99

TO17 in TD tubes in ug/m3 Our Reference: Your Reference Sample ID Exposure Time (minutes) Type of sample	UNITS ---------- ----------	113653-1 SGO04_1.5 235988 1 air	113653-2 SGO04_1.5 223429 5 air	113653-3 SGO03_1.5 235989 1 air	113653-4 SGO03_1.5 235987 5 air	113653-7 SGP01_2.0 235981 1 air
Date analysed	-	26/07/2014	26/07/2014	26/07/2014	26/07/2014	26/07/2014
Propylene	µg/m^3	<10	<2.0	<10	<2.0	<10
Dichlorodifluoromethane	µg/m^3	<10	<2.0	<10	<2.0	<10
Chloromethane	ug/m3	<10	<2	<10	<2	<10
1,2-Dichlorotetrafluoroethane	ug/m3	<10	<2	<10	<2	<10
Vinyl chloride	ug/m3	<10	<2	<10	<2	<10
1,3-Butadiene	ug/m3	<10	<2	<10	<2	<10
Bromomethane	ug/m3	<10	<2	<10	<2	<10
Chloroethane	ug/m3	<10	<2	<10	<2	<10
Ethanol	ug/m3	<10	<2	<10	<2	150
Acrolein	ug/m3	<10	<2	<10	<2	<10
Trichlorofluoromethane	ug/m3	<10	<2	<10	<2	<10
Isopropyl Alcohol	ug/m3	2,700	120	1,900	260	820
1,1-Dichloroethene	ug/m3	<10	<2	<10	<2	98
1,1,2-Trichlorotrifluoroethane	ug/m3	<10	<2	<10	<2	<10
Carbon Disulfide	ug/m3	19	4	<10	6	15
trans-1,2-dichloroethene	ug/m3	<10	<2	<10	<2	340
MTBE	ug/m3	<10	<2	<10	<2	<10
1,1-Dichloroethane	ug/m3	<10	<2	<10	<2	<10
Vinyl Acetate	ug/m3	<10	<2	<10	<2	<10
MEK	ug/m3	<10	<2	<10	<2	<10
Hexane	µg/m^3	69	26	37	14	99
cis-1,2-Dichloroethene	ug/m3	41	46	47	6	43000 #
Ethyl Acetate	ug/m3	<10	<2	<10	<2	<10
Chloroform	ug/m3	<10	10	12	8	74
Tetrahydrofuran	ug/m3	<10	<2	<10	<2	<10
1,1,1-Trichloroethane	ug/m3	<10	<2	<10	<2	<10
1,2-Dichloroethane	ug/m3	<10	<2	<10	<2	<10
Benzene	µg/m^3	<10	<2.0	<10	<2.0	12
Carbon tetrachloride	ug/m3	<10	<2	<10	<2	<10
Cyclohexane	µg/m^3	<10	<2.0	<10	<2.0	11
Heptane	µg/m^3	38	3.9	17	<2.0	19
Trichloroethene	ug/m3	70	220	260	54	5000 #
1,2-Dichloropropane	ug/m3	<10	<2	<10	<2	<10
1,4-Dioxane	ug/m3	<10	<2	<10	<2	<10
Bromodichloromethane	ug/m3	<10	<2	<10	<2	<10
Methyl Methacrylate	ug/m3	<10	<2	<10	<2	<10
MIBK	ug/m3	<10	<2	<10	<2	<10
cis-1,3-Dichloropropene	ug/m3	<10	<2	<10	<2	<10
trans-1,3-Dichloropropene	ug/m3	<10	<2	<10	<2	<10
Toluene	µg/m^3	83	23	72	16	66
1,1,2-Trichloroethane	ug/m3	<10	<2	<10	<2	<10

TO17 in TD tubes in ug/m3 Our Reference: Your Reference Sample ID Exposure Time (minutes) Type of sample	UNITS ---------- ----------	113653-1 SGO04_1.5 235988 1 air	113653-2 SGO04_1.5 223429 5 air	113653-3 SGO03_1.5 235989 1 air	113653-4 SGO03_1.5 235987 5 air	113653-7 SGP01_2.0 235981 1 air
Methyl Butyl Ketone	ug/m3	<10	<2	<10	<2	<10
Dibromochloromethane	ug/m3	<10	<2	<10	<2	<10
Tetrachloroethene	ug/m3	38	340	940	6200 #	46000 #
1,2-Dibromoethane	ug/m3	<10	<2	<10	<2	<10
Chlorobenzene	ug/m3	<10	<2	<10	<2	<10
Ethylbenzene	µg/m^3	11	2.7	14	2.0	<10
m-& *p*-Xylene	µg/m^3	21	6.5	39	4.9	<10
Styrene	µg/m^3	<10	2.2	<10	<2.0	<10
o-Xylene	µg/m^3	<10	2.5	13	<2.0	<10
Bromoform	ug/m3	<10	<2	<10	<2	<10
1,1,2,2-Tetrachloroethane	ug/m3	<10	<2	<10	<2	<10
4-ethyl toluene	µg/m^3	<10	<2.0	<10	<2.0	<10
1,3,5-Trimethylbenzene	µg/m^3	17	4.3	21	3.7	21
1,2,4-Trimethylbenzene	µg/m^3	<10	2.5	24	<2.0	11
1,3-Dichlorobenzene	ug/m3	<10	<2	<10	<2	<10
Benzyl chloride	ug/m3	<10	<2	<10	<2	<10
1,4-Dichlorobenzene	ug/m3	<10	3	10	2	11
1,2-Dichlorobenzene	ug/m3	<10	<2	<10	<2	<10
1,2,4-Trichlorobenzene	ug/m3	<10	<2	<10	<2	<10
Naphthalene	ug/m3	10	7	22	6	32
Hexachloro- 1,3-butadiene	ug/m3	<10	<2	<10	<2	<10
Surrogate-Bromochloromethane	% rec	113	83	103	99	113
Surrogate-1,4-Difluorobenzene	% rec	111	97	101	98	110
Surrogate-Chlorobenzene-D5	% rec	106	107	97	100	101

TO17 in TD tubes in ug/m3 Our Reference: Your Reference Sample ID Exposure Time (minutes) Type of sample	UNITS ----------	113653-8 SGP01_2.0 235984 5 air	113653-9 QVP01 235986 1 air	113653-10 QVP01 235961 5 air
Date analysed	-	26/07/2014	26/07/2014	26/07/2014
Propylene	µg/m^3	<2.0	<10	<2.0
Dichlorodifluoromethane	µg/m^3	<2.0	<10	<2.0
Chloromethane	ug/m3	<2	<10	<2
1,2-Dichlorotetrafluoroethane	ug/m3	<2	<10	<2
Vinyl chloride	ug/m3	<2	<10	<2
1,3-Butadiene	ug/m3	<2	<10	<2
Bromomethane	ug/m3	<2	<10	<2
Chloroethane	ug/m3	<2	<10	<2
Ethanol	ug/m3	<2	35	11
Acrolein	ug/m3	<2	<10	<2
Trichlorofluoromethane	ug/m3	<2	<10	<2
Isopropyl Alcohol	ug/m3	330	310	120
1,1-Dichloroethene	ug/m3	80	100	89
1,1,2-Trichlorotrifluoroethane	ug/m3	<2	<10	<2
Carbon Disulfide	ug/m3	5	<10	<2
trans-1,2-dichloroethene	ug/m3	450	390	450
MTBE	ug/m3	<2	<10	<2
1,1-Dichloroethane	ug/m3	<2	<10	<2
Vinyl Acetate	ug/m3	<2	<10	<2
MEK	ug/m3	<2	<10	<2
Hexane	µg/m^3	15	22	6.1
cis-1,2-Dichloroethene	ug/m3	36000 #	53000 #	36000 #
Ethyl Acetate	ug/m3	<2	<10	<2
Chloroform	ug/m3	110	82	110
Tetrahydrofuran	ug/m3	<2	<10	<2
1,1,1-Trichloroethane	ug/m3	<2	<10	<2
1,2-Dichloroethane	ug/m3	<2	<10	<2
Benzene	µg/m^3	11	<10	7.7
Carbon tetrachloride	ug/m3	<2	<10	<2
Cyclohexane	µg/m^3	3.8	<10	3.1
Heptane	µg/m^3	3.2	<10	<2.0
Trichloroethene	ug/m3	12000 #	6200 #	12000 #
1,2-Dichloropropane	ug/m3	<2	<10	<2
1,4-Dioxane	ug/m3	<2	<10	<2
Bromodichloromethane	ug/m3	<2	<10	<2
Methyl Methacrylate	ug/m3	<2	<10	<2
MIBK	ug/m3	<2	<10	<2
cis-1,3-Dichloropropene	ug/m3	<2	<10	<2
trans-1,3-Dichloropropene	ug/m3	<2	<10	<2
Toluene	µg/m^3	18	21	10
1,1,2-Trichloroethane	ug/m3	<2	<10	<2

TO17 in TD tubes in ug/m3 Our Reference: Your Reference Sample ID Exposure Time (minutes) Type of sample	UNITS ---------- ----------	113653-8 SGP01_2.0 235984 5 air	113653-9 QVP01 235986 1 air	113653-10 QVP01 235961 5 air
Methyl Butyl Ketone	ug/m3	<2	<10	<2
Dibromochloromethane	ug/m3	<2	<10	<2
Tetrachloroethene	ug/m3	50000 #	36000 #	52000 #
1,2-Dibromoethane	ug/m3	<2	<10	<2
Chlorobenzene	ug/m3	<2	<10	<2
Ethylbenzene	µg/m^3	3.2	<10	2.0
m-& *p*-Xylene	µg/m^3	7.1	<10	5.1
Styrene	µg/m^3	<2.0	<10	<2.0
o-Xylene	µg/m^3	2.4	<10	<2.0
Bromoform	ug/m3	<2	<10	<2
1,1,2,2-Tetrachloroethane	ug/m3	<2	<10	<2
4-ethyl toluene	µg/m^3	<2.0	<10	<2.0
1,3,5-Trimethylbenzene	µg/m^3	8.9	25	4.0
1,2,4-Trimethylbenzene	µg/m^3	2.5	<10	2.0
1,3-Dichlorobenzene	ug/m3	<2	<10	<2
Benzyl chloride	ug/m3	<2	<10	<2
1,4-Dichlorobenzene	ug/m3	3	<10	2
1,2-Dichlorobenzene	ug/m3	<2	<10	<2
1,2,4-Trichlorobenzene	ug/m3	<2	<10	<2
Naphthalene	ug/m3	6	12	7
Hexachloro- 1,3-butadiene	ug/m3	<2	<10	<2
Surrogate-Bromochloromethane	% rec	95	117	126
Surrogate-1,4-Difluorobenzene	% rec	96	117	91
Surrogate-Chlorobenzene-D5	% rec	102	105	104

TPH in Tubes in ng/tube Aliphatic/Aromat						
Our Reference:	UNITS	113653-1	113653-2	113653-3	113653-4	113653-7
Your Reference	----------	SGO04_1.5	SGO04_1.5	SGO03_1.5	SGO03_1.5	SGP01_2.0
Sample ID	----------	235988	223429	235989	235987	235981
Exposure Time (minutes)		1	5	1	5	1
Type of sample		air	air	air	air	air
Date analysed	-	26/07/2014	26/07/2014	26/07/2014	26/07/2014	26/07/2014
$TPHC_5$ - C_6 Aliphatic	ng/tube	<30	<30	<30	<30	87
$TPH>C_6$ - C_8 Aliphatic	ng/tube	<50	130	<50	<50	1400 #
$TPH>C_8$ - C_{10} Aliphatic	ng/tube	20	130	92	590 #	690 #
$TPH>C_{10}$ - C_{12} Aliphatic	ng/tube	18	19	22	25	20
$TPH>C_{12}$ - C_{16} Aliphatic	ng/tube	<50	<50	<50	<50	<50
$TPHC_5$ - C_7 Aromatic (Benzene)	ng/tube	<5	<5	<5	<5	<5
$TPH>C_7$ - C_8 Aromatic (Toluene)	ng/tube	8.2	12	6.8	8.2	7.4
$TPH>C_8$ - C_{10} Aromatic	ng/tube	<50	<50	<50	<50	<50
$TPH>C_{10}$ - C_{12} Aromatic	ng/tube	<20	<20	<20	<20	<20
$TPH>C_{12}$ - C_{16} Aromatic	ng/tube	<20	<20	<20	<20	<20
$TPHC_6$ - C_{10} - BTEX (F1)	ng/tube	<100	300	200	1300 #	2700 #
$TPH>C_{10}$ - C_{16} - Naphthalene (F2)	ng/tube	<90	<90	<90	<90	<90

TPH in Tubes in ng/tube Aliphatic/Aromat					
Our Reference:	UNITS	113653-8	113653-9	113653-10	113653-12
Your Reference	----------	SGP01_2.0	QVP01	QVP01	Trip Blank
Sample ID	----------	235984	235986	235961	235995
Exposure Time (minutes)		5	1	5	0
Type of sample		air	air	air	air
Date analysed	-	26/07/2014	26/07/2014	26/07/2014	26/07/2014
$TPHC_5$ - C_6 Aliphatic	ng/tube	430	85	420	<30
$TPH>C_6$ - C_8 Aliphatic	ng/tube	11000 #	1500 #	11000 #	<50
$TPH>C_8$ - C_{10} Aliphatic	ng/tube	7300 #	620 #	8000 #	<10
$TPH>C_{10}$ - C_{12} Aliphatic	ng/tube	35	19	27	<10
$TPH>C_{12}$ - C_{16} Aliphatic	ng/tube	<50	<50	<50	<50
$TPHC_5$ - C_7 Aromatic (Benzene)	ng/tube	6.1	<5	<5	<5
$TPH>C_7$ - C_8 Aromatic (Toluene)	ng/tube	11	<5	5.9	<5
$TPH>C_8$ - C_{10} Aromatic	ng/tube	<50	<50	<50	<50
$TPH>C_{10}$ - C_{12} Aromatic	ng/tube	<20	<20	<20	<20
$TPH>C_{12}$ - C_{16} Aromatic	ng/tube	<20	<20	<20	<20
$TPHC_6$ - C_{10} - BTEX (F1)	ng/tube	26000 #	2600 #	27000 #	<100
$TPH>C_{10}$ - C_{16} - Naphthalene (F2)	ng/tube	<90	<90	<90	<90

TPH in tubes in ug/m3 Our Reference: Your Reference Sample ID Exposure Time (minutes) Type of sample	UNITS ---------- ----------	113653-1 SGO04_1.5 235988 1 air	113653-2 SGO04_1.5 223429 5 air	113653-3 SGO03_1.5 235989 1 air	113653-4 SGO03_1.5 235987 5 air	113653-7 SGP01_2.0 235981 1 air
Date analysed	-	26/07/2014	26/07/2014	26/07/2014	26/07/2014	26/07/2014
TPHC5 - C6 Aliphatic	µg/m3	<300	<60	<300	<60	870
TPH>C6 - C8 Aliphatic	µg/m3	<500	250	<500	<100	14000 #
TPH>C8 - C10 Aliphatic	µg/m3	200	260	920	1200 #	6900 #
TPH>C10 - C12 Aliphatic	µg/m3	180	39	220	50	200
TPH>C12 - C16 Aliphatic	µg/m3	<500	<100	<500	<100	<500
TPHC5 - C7 Aromatic	µg/m3	<50	<10	<50	<10	<50
TPH>C7 - C8 Aromatic Toluene	µg/m3	82	23	68	16	74
TPH>C8 - C10 Aromatic	µg/m3	<500	<100	<500	<100	<500
TPH>C10 - C12 Aromatic	µg/m3	<200	<40	<200	<40	<200
TPH>C12 - C16 Aromatic	µg/m3	<200	<40	<200	<40	<200
TPHC6 - C10 - BTEX (F1)	µg/m3	<1,400	600	2,000	2500 #	27000 #
TPH>C10 - C12 - Naphthalene (F2)	µg/m3	<900	<180	<900	<180	<900

TPH in tubes in ug/m3 Our Reference: Your Reference Sample ID Exposure Time (minutes) Type of sample	UNITS ---------- ----------	113653-8 SGP01_2.0 235984 5 air	113653-9 QVP01 235986 1 air	113653-10 QVP01 235961 5 air
Date analysed	-	26/07/2014	26/07/2014	26/07/2014
TPHC5 - C6 Aliphatic	µg/m3	860	850	850
TPH>C6 - C8 Aliphatic	µg/m3	21000 #	15000 #	21000 #
TPH>C8 - C10 Aliphatic	µg/m3	15000 #	6200 #	16000 #
TPH>C10 - C12 Aliphatic	µg/m3	71	190	54
TPH>C12 - C16 Aliphatic	µg/m3	<100	<500	<100
TPHC5 - C7 Aromatic	µg/m3	12	<50	<10
TPH>C7 - C8 Aromatic Toluene	µg/m3	22	<50	12
TPH>C8 - C10 Aromatic	µg/m3	<100	<500	<100
TPH>C10 - C12 Aromatic	µg/m3	<40	<200	<40
TPH>C12 - C16 Aromatic	µg/m3	<40	<200	<40
TPHC6 - C10 - BTEX (F1)	µg/m3	51000 #	28000 #	54000 #
TPH>C10 - C12 - Naphthalene (F2)	µg/m3	<180	<900	<180

VOC in Carbon tubes		
Our Reference:	UNITS	113653-13
Your Reference	----------	Shroud
Sample ID	----------	4879620073
Exposure Time (minutes)		0
Type of sample		air
Isopropyl Alcohol	µg/tube	<5

VOC in Carbon tubes		
Our Reference:	UNITS	113653-13
Your Reference	----------	Shroud
Sample ID	----------	4879620073
Exposure Time (minutes)		0
Type of sample		air
Date analysed	-	29/07/2014
Date Extracted	-	29/07/2014
Tube Sampling rate	mL/min	102
Tube Sampling Time	mins	0.5
Volume sampled	m^3	0.00005
Isopropyl Alcohol	$\mu g/m^3$	<100,000

Method ID	Methodology Summary
TO17	USEPA TO17 - Analysis of VOC's in air following USEPA TO17 protocols
AT-005	Measurement of Air-Phase Petroleum Hydrocarbons and Ozone Precursors by GC/MS
TO15	USEPA TO15 - Analysis of VOC's in air following USEPA TO15 protocols
AT-008	Determination of volatile organic compounds in charcoal tubes/badges/sorbents using CS2 extraction, based on NIOSH methods. Note where µg/m^3 results are supplied for SKC badges, the factors used are for 575-001, if 575-001 data is unavailable for an analyte then use 575-002 then 575-003 (exposure time must be supplied).

QUALITY CONTROL TO17 in TD tubes	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results Base II Duplicate II %RPD	Spike Sm#	Spike % Recovery
Propylene	ng/tube	1	TO17	<1	[NT]	[NT]	LCS	93%
Dichlorodifluoromethane	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Chloromethane	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
1,2-Dichlorotetrafluoroethane	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Vinyl chloride	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
1,3-Butadiene	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Bromomethane	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Chloroethane	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Ethanol	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Acrolein	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Trichlorofluoromethane	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Isopropyl Alcohol	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
1,1-Dichloroethene	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
1,1,2-Trichlorotrifluoroethane	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Carbon Disulfide	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
trans-1,2-dichloroethene	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
MTBE	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
1,1- Dichloroethane	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Vinyl Acetate	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
MEK	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Hexane	ng/tube	1	TO17	<1	[NT]	[NT]	LCS	98%
cis-1,2-Dichloroethene	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Ethyl Acetate	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Chloroform	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Tetrahydrofuran	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
1,1,1-Trichloroethane	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
1,2-Dichloroethane	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Benzene	ng/tube	1	TO17	<1	[NT]	[NT]	LCS	102%
Carbon tetrachloride	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Cyclohexane	ng/tube	1	TO17	<1	[NT]	[NT]	LCS	91%
Heptane	ng/tube	1	TO17	<1	[NT]	[NT]	LCS	101%
Trichloroethene	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
1,2-Dichloropropane	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
1,4-Dioxane	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Bromodichloromethane	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Methyl Methacrylate	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
MIBK	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
cis-1,3-Dichloropropene	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
trans-1,3-Dichloropropene	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Toluene	ng/tube	1	TO17	<1	[NT]	[NT]	LCS	97%
1,1,2-Trichloroethane	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Methyl Butyl Ketone	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]

QUALITY CONTROL TO17 in TD tubes	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results Base II Duplicate II %RPD	Spike Sm#	Spike % Recovery
Dibromochloromethane	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Tetrachloroethene	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
1,2-Dibromoethane	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Chlorobenzene	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Ethylbenzene	ng/tube	1	TO17	<1	[NT]	[NT]	LCS	94%
m-& *p*-Xylene	ng/tube	2	TO17	<2	[NT]	[NT]	LCS	91%
Styrene	ng/tube	1	TO17	<1	[NT]	[NT]	LCS	100%
o-Xylene	ng/tube	1	TO17	<1	[NT]	[NT]	LCS	91%
Bromoform	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
1,1,2,2-Tetrachloroethane	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
4-ethyl toluene	ng/tube	1	TO17	<1	[NT]	[NT]	LCS	107%
1,3,5-Trimethylbenzene	ng/tube	1	TO17	<1	[NT]	[NT]	LCS	93%
1,2,4-Trimethylbenzene	ng/tube	1	TO17	<1	[NT]	[NT]	LCS	93%
1,3-Dichlorobenzene	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Benzyl chloride	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
1,4-Dichlorobenzene	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
1,2-Dichlorobenzene	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
1,2,4-Trichlorobenzene	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Naphthalene	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Hexachloro- 1,3-butadiene	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Surrogate-Bromochloromethane	% rec		TO17	96	[NT]	[NT]	LCS	90%
Surrogate-1,4-Difluorobenzene	% rec		TO17	94	[NT]	[NT]	LCS	97%
Surrogate-Chlorobenzene-D5	% rec		TO17	94	[NT]	[NT]	LCS	100%

QUALITY CONTROL TO17 in TD tubes in ug/m3	UNITS	PQL	METHOD	Blank
Propylene	µg/m^3	2	TO17	<2.0
Dichlorodifluoromethane	µg/m^3	2	TO17	<2.0
Chloromethane	ug/m3	2	TO17	<2
1,2-Dichlorotetrafluoroethane	ug/m3	2	TO17	<2
Vinyl chloride	ug/m3	2	TO17	<2
1,3-Butadiene	ug/m3	2	TO17	<2
Bromomethane	ug/m3	2	TO17	<2
Chloroethane	ug/m3	2	TO17	<2
Ethanol	ug/m3	2	TO17	<2
Acrolein	ug/m3	2	TO17	<2
Trichlorofluoromethane	ug/m3	2	TO17	<2
Isopropyl Alcohol	ug/m3	2	TO17	<2
1,1-Dichloroethene	ug/m3	2	TO17	<2
1,1,2-Trichlorotrifluoroethane	ug/m3	2	TO17	<2
Carbon Disulfide	ug/m3	2	TO17	<2
trans-1,2-dichloroethene	ug/m3	2	TO17	<2
MTBE	ug/m3	2	TO17	<2
1,1- Dichloroethane	ug/m3	2	TO17	<2
Vinyl Acetate	ug/m3	2	TO17	<2
MEK	ug/m3	2	TO17	<2
Hexane	µg/m^3	2	TO17	<2.0
cis-1,2-Dichloroethene	ug/m3	2	TO17	<2
Ethyl Acetate	ug/m3	2	TO17	<2
Chloroform	ug/m3	2	TO17	<2
Tetrahydrofuran	ug/m3	2	TO17	<2
1,1,1-Trichloroethane	ug/m3	2	TO17	<2
1,2-Dichloroethane	ug/m3	2	TO17	<2
Benzene	µg/m^3	2	TO17	<2.0
Carbon tetrachloride	ug/m3	2	TO17	<2
Cyclohexane	µg/m^3	2	TO17	<2.0
Heptane	µg/m^3	2	TO17	<2.0
Trichloroethene	ug/m3	2	TO17	<2
1,2-Dichloropropane	ug/m3	2	TO17	<2
1,4-Dioxane	ug/m3	2	TO17	<2
Bromodichloromethane	ug/m3	2	TO17	<2
Methyl Methacrylate	ug/m3	2	TO17	<2
MIBK	ug/m3	2	TO17	<2
cis-1,3-Dichloropropene	ug/m3	2	TO17	<2
trans-1,3-Dichloropropene	ug/m3	2	TO17	<2
Toluene	µg/m^3	2	TO17	<2.0
1,1,2-Trichloroethane	ug/m3	2	TO17	<2
Methyl Butyl Ketone	ug/m3	2	TO17	<2

QUALITY CONTROL TO17 in TD tubes in ug/m3	UNITS	PQL	METHOD	Blank
Dibromochloromethane	ug/m3	2	TO17	<2
Tetrachloroethene	ug/m3	2	TO17	<2
1,2-Dibromoethane	ug/m3	2	TO17	<2
Chlorobenzene	ug/m3	2	TO17	<2
Ethylbenzene	µg/m^3	2	TO17	<2.0
m-& *p*-Xylene	µg/m^3	4	TO17	<4.0
Styrene	µg/m^3	2	TO17	<2.0
o-Xylene	µg/m^3	2	TO17	<2.0
Bromoform	ug/m3	2	TO17	<2
1,1,2,2-Tetrachloroethane	ug/m3	2	TO17	<2
4-ethyl toluene	µg/m^3	2	TO17	<2.0
1,3,5-Trimethylbenzene	µg/m^3	2	TO17	<2.0
1,2,4-Trimethylbenzene	µg/m^3	2	TO17	<2.0
1,3-Dichlorobenzene	ug/m3	2	TO17	<2
Benzyl chloride	ug/m3	2	TO17	<2
1,4-Dichlorobenzene	ug/m3	2	TO17	<2
1,2-Dichlorobenzene	ug/m3	2	TO17	<2
1,2,4-Trichlorobenzene	ug/m3	2	TO17	<2
Naphthalene	ug/m3	2	TO17	<2
Hexachloro- 1,3-butadiene	ug/m3	2	TO17	<2
Surrogate-Bromochloromethane	% rec		TO17	96
Surrogate-1,4-Difluorobenzene	% rec		TO17	94
Surrogate-Chlorobenzene-D5	% rec		TO17	94

QUALITY CONTROL TPH in Tubes in ng/tube Aliphatic/Aromat	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results Base II Duplicate II %RPD	Spike Sm#	Spike % Recovery
TPH C_5 - C_6 Aliphatic	ng/tube	30	AT-005	<30	[NT]	[NT]	LCS	120%
TPH>C_6 - C_8 Aliphatic	ng/tube	50	AT-005	<50	[NT]	[NT]	LCS	113%
TPH>C_8 - C_{10} Aliphatic	ng/tube	10	AT-005	<10	[NT]	[NT]	LCS	119%
TPH>C_{10} - C_{12} Aliphatic	ng/tube	10	AT-005	<10	[NT]	[NT]	LCS	112%
TPH>C_{12} - C_{16} Aliphatic	ng/tube	50	AT-005	<50	[NT]	[NT]	LCS	128%
TPH C_5 - C_7 Aromatic (Benzene)	ng/tube	5	AT-005	<5	[NT]	[NT]	LCS	101%
TPH>C_7 - C_8 Aromatic (Toluene)	ng/tube	5	AT-005	<5	[NT]	[NT]	LCS	111%
TPH>C_8 - C_{10} Aromatic	ng/tube	50	AT-005	<50	[NT]	[NT]	LCS	119%
TPH>C_{10} - C_{12} Aromatic	ng/tube	20	AT-005	<20	[NT]	[NT]	LCS	120%
TPH>C_{12} - C_{16} Aromatic	ng/tube	20	AT-005	<20	[NT]	[NT]	LCS	124%
TPH C_6 - C_{10} - BTEX (F1)	ng/tube	140	TO17	<100	[NT]	[NT]	LCS	110%
TPH>C_{10} - C_{16} - Naphthalene (F2)	ng/tube	90	TO17	<90	[NT]	[NT]	LCS	93%

QUALITY CONTROL TPH in tubes in ug/m3	UNITS	PQL	METHOD	Blank
Date analysed	-			26/07/2014
TPH C_5 - C_6 Aliphatic	µg/m^3	60	AT-005	<60
TPH>C_6 - C_8 Aliphatic	µg/m^3	100	AT-005	<100
TPH>C_8 - C_{10} Aliphatic	µg/m^3	20	AT-005	<20
TPH>C_{10} - C_{12} Aliphatic	µg/m^3	20	AT-005	<20
TPH>C_{12} - C_{16} Aliphatic	µg/m^3	100	AT-005	<100
TPH C_5 - C_7 Aromatic	µg/m^3	10	AT-005	<10
TPH>C_7 - C_8 Aromatic Toluene	µg/m^3	10	AT-005	<10
TPH>C_8 - C_{10} Aromatic	µg/m^3	100	AT-005	<100
TPH>C_{10} - C_{12} Aromatic	µg/m^3	40	AT-005	<40
TPH>C_{12} - C_{16} Aromatic	µg/m^3	40	AT-005	<40
TPH C_6 - C_{10} - BTEX (F1)	µg/m^3	280	TO15	<280
TPH>C_{10} - C_{12} - Naphthalene (F2)	µg/m^3	180	TO15	<180

QUALITY CONTROL VOC in Carbon tubes	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results Base II Duplicate II %RPD	Spike Sm#	Spike % Recovery
Isopropyl Alcohol	µg/tube	5	AT-008	<5	[NT]	[NT]	LCS-1	102%

Report Comments:

#: Analyte detected from the TD Tubes at a level above the linear response of calibration curve.

The high TPH>C6-C8 aliphatic,>C8-C10 aliphatic and TPH F1 results are due to high level of chlorinated hydrocarbons present in samples.

Asbestos ID was analysed by Approved Identifier:	Not applicable for this job
Asbestos ID was authorised by Approved Signatory:	Not applicable for this job

INS: Insufficient sample for this test	PQL: Practical Quantitation Limit	NT: Not tested
NA: Test not required	RPD: Relative Percent Difference	NA: Test not required
<: Less than	>: Greater than	LCS: Laboratory Control Sample

Quality Control Definitions

Blank: This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.

Duplicate: This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.

Matrix Spike : A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.

LCS (Laboratory Control Sample) : This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.

Surrogate Spike: Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.
Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.
Spikes for Physical and Aggregate Tests are not applicable.
For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: <5xPQL - any RPD is acceptable; >5xPQL - 0-50% RPD is acceptable.
Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals; 60-140% for organics and 10-140% for SVOC and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Melbourne Office
Unit 3-5, 18 Redland Drive
Mitcham VIC 3132
Tel: +613 9874 1988
Fax: +613 9874 1933
email: AU.SampleReceipt.Mitcham@sgs.com

A.B.N. 44 000 964 278

Sample Receipt Acknowledgement

To:	Simon Welsh	From:	Evan Jones
Fax:	08 8299 9954	Pages:	(1) including this page
Co:	AEC Environmental Pty Ltd	Date:	1/08/2014
Email	simon.welsh@aecaust.com.au	Ref:	M141511

SGS Leeder Consulting has received your samples from the project listed below.
If you have any enquiries please contact us quoting our reference number.

Project/Reference No.:	J125792
Our Reference Number:	**M141511**
Date Received:	01-Aug-2014
Estimated date of report:	12-Aug-2014

Additional Information:

Samples received after 4 pm are considered as received on the next working day for turnaround purposes.
Samples with a 24hr or 48hr TAT are considered as received on the next working day if received after 2:30pm.
Surcharges for urgent turnaround requests may apply.
All analytical work is conducted at our Melbourne office.
Sample Storage - All aqueous samples are stored for two weeks after reporting.
- All soils and other samples are stored for three months after reporting.
- All food samples are stored for one month after reporting.

Please direct any technical or turnaround queries to Adam Atkinson at our Melbourne office.

SGS LEEDER
CONSULTING

Specialist Laboratory Services

A.B.N. 44 000 964 278
3 - 5, 18 Redland Drive
Mitcham, Vic, 3132
Telephone: (03) 9874 1988
Fax: (03) 9874 1933

Chartered Chemists

8-Aug-2014

REPORT NUMBER: M141511

Site/Client Ref: J125792

AEC Environmental Pty Ltd
PO Box 582
Unley

SOUTH AUSTRALIA 5061
Attention: Simon Welsh

CERTIFICATE OF ANALYSIS

SAMPLES:	Two samples were received for analysis
DATE RECEIVED:	**1-Aug-2014**
DATE COMMENCED:	**1-Aug-2014**
METHODS:	See Attached Results
RESULTS:	Please refer to attached pages for results.

Note: Results are based on samples as received at SGS Leeder Consulting's laboratories
Results in airbourne concentrations are calculated using data provided by the client

REPORTED BY:

Evan Jones
Laboratory Manager

NATA Accredited Laboratory Number: 14429

Accredited for compliance
with ISO/IEC 17025.

(I) RESULTS

Report N°: M141511

Matrix: Thermal Desorption Tube

Method: TO-17.01 Volatile Organics (w/v)

Sample units are expressed in µg/m³

	Leeder ID	2014013292	2014013293
	Client ID	QUP02 235983	QUP02 235962
Analyte Name	**PQL**		
Benzene		<50	27
Bromobenzene		<50	<9.8
Bromochloromethane		<50	<9.8
Bromodichloromethane		<50	<9.8
n-Butylbenzene		<50	<9.8
sec-Butylbenzene		<50	<9.8
tert-Butylbenzene		<50	<9.8
Carbon tetrachloride		<50	<9.8
Chlorobenzene		<50	<9.8
Chloroethane		<50	<9.8
Chloromethane		<50	<9.8
2-Chlorotoluene		<50	<9.8
4-Chlorotoluene		<50	<9.8
1,2-Dibromo-3-chloropropane		<50	<9.8
Dibromochloromethane		<50	<9.8
1,2-Dibromoethane		<50	<9.8
Dibromomethane		<50	<9.8
1,2-Dichlorobenzene		<50	<9.8
1,3-Dichlorobenzene		<50	<9.8
1,4-Dichlorobenzene		<50	<9.8
Dichlorodifluoromethane		<50	<9.8
1,2-Dichloroethane		<50	<9.8
1,1-Dichloroethane		<50	23
1,1-Dichloroethene		140	110

(I) RESULTS

Report N°: M141511

Matrix: Thermal Desorption Tube

Method: TO-17.01 Volatile Organics (w/v)

Sample units are expressed in µg/m³

	Leeder ID	2014013292	2014013293
	Client ID	QUP02 235983	QUP02 235962
Analyte Name	**PQL**		
cis-1,2-Dichloroethene		80000 E,L	150000
trans-1,2-Dichloroethene		460	540
1,2-Dichloropropane		<50	<9.8
1,3-Dichloropropane		<50	<9.8
2,2-Dichloropropane		<50	<9.8
1,1-Dichloropropene		<50	<9.8
cis-1,3-Dichloropropene		<50	<9.8
trans-1,3-Dichloropropene		<50	<9.8
Ethylbenzene		<50	<9.8
Hexachlorobutadiene		<50	<9.8
Isopropylbenzene		<50	<9.8
4-Isopropyltoluene		<50	<9.8
Naphthalene		<50	<9.8
Propylbenzene		<50	<9.8
Styrene		<50	<9.8
1,1,1,2-Tetrachloroethane		<50	94
1,1,2,2-Tetrachloroethane		<50	<9.8
Tetrachloroethene		58000 E,L	290000
Toluene		<50	17
Tribromomethane		<50	<9.8
1,2,3-Trichlorobenzene		<50	<9.8
1,2,4-Trichlorobenzene		<50	<9.8
1,1,1-Trichloroethane		<50	<9.8
1,1,2-Trichloroethane		<50	<9.8
Trichloroethene		9100	21000

(I) RESULTS

Report N°: M141511

Matrix: Thermal Desorption Tube

Method: TO-17.01 Volatile Organics (w/v)

Sample units are expressed in µg/m³

	Leeder ID	2014013292	2014013293
	Client ID	QUP02 235983	QUP02 235962
Analyte Name	**PQL**		
Trichlorofluoromethane		<50	<9.8
Trichloromethane		110	120
1,2,3-Trichloropropane		<50	<9.8
1,2,4-Trimethylbenzene		<50	<9.8
1,3,5-Trimethylbenzene		<50	<9.8
Vinyl chloride		<50	<9.8
Xylenes		<50	12

(I) RESULTS

Report N°: M141511

Matrix: Thermal Desorption Tube

Method: TO-17.02 Volatile Organics

Sample units are expressed in ng/tube

	Leeder ID	2014013294
	Client ID	Method
Analyte Name	**PQL**	Blank
Benzene	5	nd
Bromobenzene	5	nd
Bromochloromethane	5	nd
Bromodichloromethane	5	nd
n-Butylbenzene	5	nd
sec-Butylbenzene	5	nd
tert-Butylbenzene	5	nd
Carbon tetrachloride	5	nd
Chlorobenzene	5	nd
Chloroethane	5	nd
Chloromethane	5	nd
2-Chlorotoluene	5	nd
4-Chlorotoluene	5	nd
1,2-Dibromo-3-chloropropane	5	nd
Dibromochloromethane	5	nd
1,2-Dibromoethane	5	nd
Dibromomethane	5	nd
1,2-Dichlorobenzene	5	nd
1,3-Dichlorobenzene	5	nd
1,4-Dichlorobenzene	5	nd
Dichlorodifluoromethane	5	nd
1,2-Dichloroethane	5	nd
1,1-Dichloroethane	5	nd
1,1-Dichloroethene	5	nd

(I) RESULTS

Report N°: M141511

Matrix: Thermal Desorption Tube

Method: TO-17.02 Volatile Organics

Sample units are expressed in ng/tube

	Leeder ID	2014013294
	Client ID	Method
Analyte Name	**PQL**	Blank
cis-1,2-Dichloroethene	5	nd
trans-1,2-Dichloroethene	5	nd
1,2-Dichloropropane	5	nd
1,3-Dichloropropane	5	nd
2,2-Dichloropropane	5	nd
1,1-Dichloropropene	5	nd
cis-1,3-Dichloropropene	5	nd
trans-1,3-Dichloropropene	5	nd
Ethylbenzene	5	nd
Hexachlorobutadiene	5	nd
Isopropylbenzene	5	nd
4-Isopropyltoluene	5	nd
Naphthalene	5	nd
Propylbenzene	5	nd
Styrene	5	nd
1,1,1,2-Tetrachloroethane	5	nd
1,1,2,2-Tetrachloroethane	5	nd
Tetrachloroethene	5	nd
Toluene	5	nd
Tribromomethane	5	nd
1,2,3-Trichlorobenzene	5	nd
1,2,4-Trichlorobenzene	5	nd
1,1,1-Trichloroethane	5	nd
1,1,2-Trichloroethane	5	nd
Trichloroethene	5	nd

(I) RESULTS

Report N°: M141511

Matrix: Thermal Desorption Tube

Method: TO-17.02 Volatile Organics

Sample units are expressed in ng/tube

	Leeder ID	2014013294
	Client ID	Method
Analyte Name	**PQL**	Blank
Trichlorofluoromethane	5	nd
Trichloromethane	5	nd
1,2,3-Trichloropropane	5	nd
1,2,4-Trimethylbenzene	5	nd
1,3,5-Trimethylbenzene	5	nd
Vinyl chloride	5	nd
Xylenes	5	nd

Matrix: Thermal Desorption Tube

Method: TO-17 TPH.05 mg/m3 (w/v)

Sample units are expressed in mg/m³

	Leeder ID	2014013292	2014013293
	Client ID	QUP02 235983	QUP02 235962
Analyte Name	**PQL**		
C6-C10 (less BTEX)		100	370
>C10-C16 (less Naphthalene)		<1	<0.2

(I) RESULTS

Report N°: M141511

Matrix: Thermal Desorption Tube

Method: TO-17 TPH.06

Sample units are expressed in µg total

	Leeder ID	2014013294
	Client ID	Method
Analyte Name	**PQL**	Blank
C6-C10 (less BTEX)	0.1	nd
>C10-C16 (less Naphthalene)	0.1	nd

Matrix: Thermal Desorption Tube

Method: TO-17 Isopropanol (w/v)

Sample units are expressed in mg/m³

	Leeder ID	2014013292	2014013293
	Client ID	QUP02 235983	QUP02 235962
Analyte Name	**PQL**		
Isopropanol		<5	<0.98

(I) RESULTS

Report N°: M141511

Matrix: Thermal Desorption Tube

Method: TO-17 Isopropanol

Sample units are expressed in µg total

	Leeder ID	2014013294
	Client ID	Method
Analyte Name	**PQL**	Blank
Isopropanol	0.5	nd

(II) QUALITY CONTROL

Report N°: M141511

Matrix: Thermal Desorption Tube

Method: TO-17.02 Volatile Organics

Quality Control Results are expressed in Percent Recovery of expected result

	Leeder ID	2014013295	2014013296
	Client ID	Method	Method
Analyte Name	**PQL**	Spike	Spike Duplicate
Benzene		104	104
Bromodichloromethane		104	106
Carbon tetrachloride		112	113
Chlorobenzene		103	105
Dibromochloromethane		102	105
1,2-Dichlorobenzene		101	104
1,4-Dichlorobenzene		105	109
1,2-Dichloroethane		107	105
1,1-Dichloroethene		112	113

(II) QUALITY CONTROL

Report N°: M141511

Matrix: Thermal Desorption Tube

Method: TO-17.02 Volatile Organics

Quality Control Results are expressed in Percent Recovery of expected result

	Leeder ID	2014013295	2014013296
	Client ID	Method	Method
Analyte Name	PQL	Spike	Spike Duplicate
cis-1,2-Dichloroethene		104	105
trans-1,2-Dichloroethene		106	106
1,2-Dichloropropane		114	116
Ethylbenzene		101	104
Styrene		107	108
Tetrachloroethene		108	112
Toluene		108	112
Tribromomethane		101	104
1,2,4-Trichlorobenzene		96	94
1,1,1-Trichloroethane		106	107
1,1,2-Trichloroethane		108	110
Trichloroethene		109	110

Matrix: Thermal Desorption Tube

Method: TO-17.02 Volatile Organics

Quality Control Results are expressed in Percent Recovery of expected result

	Leeder ID	2014013295	2014013296
	Client ID	Method	Method
Analyte Name	PQL	Spike	Spike Duplicate
Trichloromethane		107	109
Vinyl chloride		117	118
Xylenes		104	107

(II) QUALITY CONTROL

Report N°: M141511

Matrix: Thermal Desorption Tube

Method: TO-17 TPH.06

Quality Control Results are expressed in Percent Recovery of expected result

	Leeder ID	2014013295	2014013296
	Client ID	Method	Method
Analyte Name	**PQL**	Spike	Spike Duplicate
C6-C10 (less BTEX)		114	113
>C10-C16 (less Naphthalene)		102	104

QUALIFIERS / NOTES FOR REPORTED RESULTS

PQL	Practical Quantitation Limit
is	Insufficient Sample to perform this analysis.
T	Tentative identification based on computer library search of mass spectra.
ND	Not Detected – The analyte was not detected above the reported PQL.
NC	Not calculated, Results below PQL
nr	Not Requested for analysis.
R	Rejected Result – results for this analysis failed QC checks.
SQ	Semi-Quantitative result – quantitation based on a generic response factor for this class of analyte.
IM	Inappropriate method of analysis for this compound
U	Unable to provide Quality Control data – high levels of compounds in sample interfered with analysis of QC results.
UF	Unable to provide Quality Control data- Surrogates failed QCchecks due to sample matrix effects
L	Analyte detected at a level above the linear response of calibration curve.
E	Estimated result. NATA accreditation does not cover estimated results.
C1	These compounds co-elute.
C2	These compounds co-elute.
CT	Elevated concentration. Results reported from carbon tube analysis
**	Sample shows non-petroleum hydrocarbon profile

APPENDIX ONE.

CHAIN OF CUSTODY DOCUMENT

Site Log Sheet and Chain of Custody

Soil Gas and Sub-slab Gas Monitoring

SGS Leeder Consulting Client:	AEC ENVIRONMENTAL	**Job Number:**	J125792
Client Contact:	SIMON WELSH	**Weather:**	Overcast
Project / Site:	37-41 CLIFF ST GLENELG	**Leak Testing:**	Helium + Isopropyl Alcohol
Sampling Methods:	TDT	**Sheet:**	1 / 1

Location ID: QUP02		PID:		Rotameter #:	
Time / Date: 23/7/14		Shut in Test:		Pump #:	
Purge Volume:		Vacuum (in. Hg):		Sampled by: BGN	
Tube ID Number	Time	Flow (L/min)	Volume (L)	Analysis Required	Comments:
235983	1 Minute	100.2		TO-17 + TRH	(incl. NEPM 2013 Fraction
235962	5 Minute	101.9		TO-17 + TRH	" " "

SAMPLE ID QUP02

Notes: PLEASE RETURN TUBES TO AEC.

Location ID:		PID:		Rotameter #:	
Time / Date:		Shut in Test:		Pump #:	
Purge Volume:		Vacuum (in. Hg):		Sampled by:	
Tube ID Number	Time	Flow (L/min)	Volume (L)	Analysis Required	Comments:

Notes:

Location ID:		PID:		Rotameter #:	
Time / Date:		Shut in Test:		Pump #:	
Purge Volume:		Vacuum (in. Hg):		Sampled by:	
Tube ID Number	Time	Flow (L/min)	Volume (L)	Analysis Required	Comments:

Notes:

Relinquished by:	S. Welsh	Received by:	Chad DeDear	In esky? Yes/No	
Signature:		Signature:		With ice brick? Yes/No	
Date:	31-7-14 Time: 15:30	Date:	31/7/14 Time: 2:30 pm		

James Phillips 1/8/14 10:30 J. Ellis

J125792

Greencap

Sample Chain of Custody and Testing Request

Samples Submitted to Enviro Lab

Job no : ~~J127948~~
Purchase Order : 48087-GN
Sheet no : 1 of 1
sampled by : GN
date : 23-27/10/14

client : Greencap
project : Vapour Parameter Testing
location : Cliff St, Glenelg

sample number	location	depth below surface	sample containers: Carbon Tube	sample containers: TDT	material	testing required: TO17 suite	testing required: IPA	testing required: TRH
SGP01	0.5		X	X2		X		X
SGP01	2		X	X2		X		X
SGP03	1.5		X	X2		X		X
SGP04	1.5		X	X2		X		X
SGP05	1.5		X	X2		X		X
SGP05	2.5		X	X2		X		X
SGP06	1.5		X	X2		X		X
SGP07	1.5		X	X2		X		X
SGP08	1.5		X	X2		X		X
SGP09	1.5		X	X2		X		X
SGP10	1.5		X	X2		X		X
SGP11	1.5		X	X2		X		X
SGP11	2.5		X	X2		X		X
SGP12	1.5		X	X2		X		X
SGP13	1.5		X	X2		X		X
SGP13	2.5							
LT1			X				X	
LT2			X				X	
LT3			X				X	
Trip Blank (TB)				X		X	X	
Trip Spike				X		X	X	
QSV1			X	X2		X	X	
QSV3			X	X2		X	X	

Envirolab Services
12 Ashley St
Chatswood NSW 2067
Ph: (02) 9910 6200

Job No: 118385
Date Received: 29/10/14
Time Received: 9am
Received by: PC
Temp: Cool/Ambient
Cooling: Ice/Ice pack
Security: Intact/Broken/None

Notes :
Please email results to greg.nield@greencap.com.au & simon.welsh@greencap.com.au
Company Fax:- 08 8299 9954
Company Phone:- 08 8299 9955

Chain of Custody:

Relinquished by	Company	Date	Time	Received by - Name & Compa	date	time
Greg Nield	AEC	28-Oct				

Results required by:

Results checked:
by date :

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
enquiries@envirolabservices.com.au
www.envirolabservices.com.au

CERTIFICATE OF ANALYSIS 118385

Client:
AEC Environmental Pty Ltd
12 Greenhill Rd
Wayville
SA 5034

Attention: Greg Nield, Simon Welsh

Sample log in details:

Your Reference:	**J125792, Cliff St Glenelg**
No. of samples:	carbon tubes, TD tubes
Date samples received / completed instructions received	29/10/14 / 29/10/14

This report replaces the one dated 07/11/2014 due to amendment of sample I.D.s

Rev O2: this report replces Rev)1 due to amendment of TPHs fraction for the ug/m3 unit

Analysis Details:
Please refer to the following pages for results, methodology summary and quality control data.
Samples were analysed as received from the client. Results relate specifically to the samples as received.
Results are reported on a dry weight basis for solids and on an as received basis for other matrices.
Please refer to the last page of this report for any comments relating to the results.

Report Details:

Date results requested by: / Issue Date:	5/11/14 / 11/11/14
Date of Preliminary Report:	Not Issued

NATA accreditation number 2901. This document shall not be reproduced except in full.
Accredited for compliance with ISO/IEC 17025. **Tests not covered by NATA are denoted with *.**

Results Approved By:

Jacinta Hurst
Laboratory Manager

TO17 in TD tubes Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	118385-1 SGP13 - 1.5 23/10/2014 TD Tube, 223426	118385-2 SGP13 - 1.5 23/10/2014 TD Tube, 222987	118385-4 SGP13-2.5 23/10/2014 TD Tube, 222951	118385-5 SGP13-2.5 23/10/2014 TD Tube, 222988	118385-8 SGP09 23/10/2014 TD Tube, 222984
Date analysed	-	01/11/2014	01/11/2014	01/11/2014	01/11/2014	01/11/2014
Propylene	ng/tube	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ng/tube	<1	<1	<1	<1	<1
Chloromethane	ng/tube	<1	<1	<1	<1	<1
1,2-Dichlorotetrafluoroethane	ng/tube	<1	<1	<1	<1	<1
Vinyl chloride	ng/tube	<1	<1	<1	<1	<1
1,3-Butadiene	ng/tube	<1	<1	<1	<1	<1
Bromomethane	ng/tube	<1	<1	<1	<1	<1
Chloroethane	ng/tube	<1	<1	<1	<1	<1
Ethanol	ng/tube	<1	8	12	11	<1
Acrolein	ng/tube	<1	<1	<1	<1	<1
Trichlorofluoromethane	ng/tube	<1	<1	<1	<1	<1
Isopropyl Alcohol	ng/tube	240	42	24	82	150
1,1-Dichloroethene	ng/tube	<1	<1	<1	<1	<1
1,1,2-Trichlorotrifluoroethane	ng/tube	<1	<1	<1	<1	<1
Carbon Disulfide	ng/tube	4	8	6	16	4
trans-1,2-dichloroethene	ng/tube	<1	<1	<1	<1	<1
MTBE	ng/tube	<1	<1	<1	<1	<1
1,1- Dichloroethane	ng/tube	<1	<1	<1	<1	<1
Vinyl Acetate	ng/tube	<1	<1	<1	<1	<1
MEK	ng/tube	<1	<1	<1	<1	<1
Hexane	ng/tube	11	9	12	9	77
cis-1,2-Dichloroethene	ng/tube	<1	<1	<1	<1	10
Ethyl Acetate	ng/tube	<1	<1	<1	<1	<1
Chloroform	ng/tube	<1	5	<1	4	<1
Tetrahydrofuran	ng/tube	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	ng/tube	<1	<1	<1	<1	<1
1,2-Dichloroethane	ng/tube	<1	<1	<1	<1	<1
Benzene	ng/tube	2	3	2	6	13
Carbon tetrachloride	ng/tube	<1	<1	<1	<1	<1
Cyclohexane	ng/tube	<1	<1	<1	<1	170
Heptane	ng/tube	9	1	<1	2	37
Trichloroethene	ng/tube	<1	<1	<1	<1	3
1,2-Dichloropropane	ng/tube	<1	<1	<1	<1	<1
1,4-Dioxane	ng/tube	<1	<1	<1	<1	<1
Bromodichloromethane	ng/tube	<1	<1	<1	<1	<1
Methyl Methacrylate	ng/tube	<1	<1	<1	<1	<1
MIBK	ng/tube	<1	<1	<1	<1	<1
cis-1,3-Dichloropropene	ng/tube	<1	<1	<1	<1	<1
trans-1,3-Dichloropropene	ng/tube	<1	<1	<1	<1	<1
Toluene	ng/tube	7	7	2	8	6

TO17 in TD tubes Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	118385-1 SGP13 - 1.5 23/10/2014 TD Tube, 223426	118385-2 SGP13 - 1.5 23/10/2014 TD Tube, 222987	118385-4 SGP13-2.5 23/10/2014 TD Tube, 222951	118385-5 SGP13-2.5 23/10/2014 TD Tube, 222988	118385-8 SGP09 23/10/2014 TD Tube, 222984
1,1,2-Trichloroethane	ng/tube	<1	<1	<1	<1	<1
Methyl Butyl Ketone	ng/tube	<1	<1	<1	<1	<1
Dibromochloromethane	ng/tube	<1	<1	<1	<1	<1
Tetrachloroethene	ng/tube	<1	<1	<1	<1	<1
1,2-Dibromoethane	ng/tube	<1	<1	<1	<1	<1
Chlorobenzene	ng/tube	<1	<1	<1	<1	<1
Ethylbenzene	ng/tube	<1	<1	<1	<1	<1
m-& *p*-Xylene	ng/tube	3	3	<2	3	2
Styrene	ng/tube	<1	<1	<1	<1	<1
o-Xylene	ng/tube	2	2	<1	2	2
Bromoform	ng/tube	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ng/tube	<1	<1	<1	<1	<1
4-ethyl toluene	ng/tube	1	1	<1	1	1
1,3,5-Trimethylbenzene	ng/tube	<1	<1	<1	<1	<1
1,2,4-Trimethylbenzene	ng/tube	8	11	2	10	9
1,3-Dichlorobenzene	ng/tube	<1	<1	<1	<1	<1
Benzyl chloride	ng/tube	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	ng/tube	2	2	<1	2	2
1,2-Dichlorobenzene	ng/tube	<1	<1	<1	<1	<1
1,2,4-Trichlorobenzene	ng/tube	<1	<1	<1	<1	<1
Naphthalene	ng/tube	3	3	<1	3	4
Hexachloro-1,3-butadiene	ng/tube	<1	<1	<1	<1	<1
Surrogate-Bromochloromethane	% rec	84	93	85	93	87
Surrogate-1,4-Difluorobenzene	% rec	80	90	87	90	87
Surrogate-Chlorobenzene-D5	% rec	75	85	84	85	83

TO17 in TD tubes Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	118385-9 QSV1 23/10/2014 TD Tube, 222985	118385-10 SGP09 23/10/2014 TD Tube, 222983	118385-11 QSV1 23/10/2014 TD Tube, 223430	118385-14 SGP11-2.5 23/10/2014 TD tube, Mi174070	118385-15 SGP10 23/10/2014 TD Tube, 223423
Date analysed	-	01/11/2014	01/11/2014	01/11/2014	01/11/2014	01/11/2014
Propylene	ng/tube	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ng/tube	<1	<1	<1	<1	<1
Chloromethane	ng/tube	<1	<1	<1	<1	<1
1,2-Dichlorotetrafluoroethane	ng/tube	<1	<1	<1	<1	<1
Vinyl chloride	ng/tube	<1	<1	<1	<1	<1
1,3-Butadiene	ng/tube	<1	<1	<1	<1	<1
Bromomethane	ng/tube	<1	<1	<1	<1	<1
Chloroethane	ng/tube	<1	<1	<1	<1	<1
Ethanol	ng/tube	<1	12	7	7	<1
Acrolein	ng/tube	<1	<1	<1	<1	<1
Trichlorofluoromethane	ng/tube	<1	<1	<1	<1	<1
Isopropyl Alcohol	ng/tube	30	<1	<1	81	590 #
1,1-Dichloroethene	ng/tube	<1	<1	<1	<1	<1
1,1,2-Trichlorotrifluoroethane	ng/tube	<1	<1	<1	<1	<1
Carbon Disulfide	ng/tube	5	8	7	21	8
trans-1,2-dichloroethene	ng/tube	<1	55	46	<1	<1
MTBE	ng/tube	<1	<1	<1	<1	<1
1,1-Dichloroethane	ng/tube	<1	<1	<1	<1	<1
Vinyl Acetate	ng/tube	<1	<1	<1	<1	<1
MEK	ng/tube	<1	<1	<1	<1	<1
Hexane	ng/tube	110	580 #	640 #	11	39
cis-1,2-Dichloroethene	ng/tube	18	140	150	62	14
Ethyl Acetate	ng/tube	<1	<1	<1	<1	<1
Chloroform	ng/tube	<1	<1	<1	8	<1
Tetrahydrofuran	ng/tube	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	ng/tube	<1	<1	<1	<1	<1
1,2-Dichloroethane	ng/tube	<1	<1	<1	<1	<1
Benzene	ng/tube	14	110	140	22	28
Carbon tetrachloride	ng/tube	<1	<1	<1	<1	<1
Cyclohexane	ng/tube	260	1600 #	1800 #	26	90
Heptane	ng/tube	56	440 #	530 #	11	31
Trichloroethene	ng/tube	7	93	140	120	16
1,2-Dichloropropane	ng/tube	<1	<1	<1	<1	<1
1,4-Dioxane	ng/tube	<1	<1	<1	<1	<1
Bromodichloromethane	ng/tube	<1	<1	<1	<1	<1
Methyl Methacrylate	ng/tube	<1	<1	<1	<1	<1
MIBK	ng/tube	<1	<1	<1	<1	<1
cis-1,3-Dichloropropene	ng/tube	<1	<1	<1	<1	<1
trans-1,3-Dichloropropene	ng/tube	<1	<1	<1	<1	<1
Toluene	ng/tube	2	9	10	5	5
1,1,2-Trichloroethane	ng/tube	<1	<1	<1	<1	<1

TO17 in TD tubes Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	118385-9 QSV1 23/10/2014 TD Tube, 222985	118385-10 SGP09 23/10/2014 TD Tube, 222983	118385-11 QSV1 23/10/2014 TD Tube, 223430	118385-14 SGP11-2.5 23/10/2014 TD tube, Mi174070	118385-15 SGP10 23/10/2014 TD Tube, 223423
Methyl Butyl Ketone	ng/tube	<1	<1	<1	<1	<1
Dibromochloromethane	ng/tube	<1	<1	<1	<1	<1
Tetrachloroethene	ng/tube	<1	<1	<1	140	2
1,2-Dibromoethane	ng/tube	<1	<1	<1	<1	<1
Chlorobenzene	ng/tube	<1	<1	<1	<1	<1
Ethylbenzene	ng/tube	<1	2	3	1	1
m-& *p*-Xylene	ng/tube	<2	5	7	4	3
Styrene	ng/tube	<1	<1	<1	<1	<1
o-Xylene	ng/tube	<1	3	4	3	2
Bromoform	ng/tube	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ng/tube	<1	<1	<1	<1	<1
4-ethyl toluene	ng/tube	<1	2	2	1	1
1,3,5-Trimethylbenzene	ng/tube	<1	<1	<1	<1	<1
1,2,4-Trimethylbenzene	ng/tube	3	17	19	11	8
1,3-Dichlorobenzene	ng/tube	<1	<1	<1	<1	<1
Benzyl chloride	ng/tube	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	ng/tube	<1	4	5	3	2
1,2-Dichlorobenzene	ng/tube	<1	<1	<1	<1	<1
1,2,4-Trichlorobenzene	ng/tube	<1	<1	<1	<1	<1
Naphthalene	ng/tube	1	7	7	4	3
Hexachloro-1,3-butadiene	ng/tube	<1	<1	<1	<1	<1
Surrogate-Bromochloromethane	% rec	92	89	87	89	80
Surrogate-1,4-Difluorobenzene	% rec	100	95	95	104	99
Surrogate-Chlorobenzene-D5	% rec	98	91	90	99	95

TO17 in TD tubes Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	118385-16 SGP10 23/10/2014 TD Tube, 223425	118385-18 SGP11-1.5 23/10/2014 TD Tube, Mi174068	118385-19 SGP11-1.5 23/10/2014 TD Tube, 235980	118385-21 SGP11-2.5 23/10/2014 TD Tube, Mi174063	118385-23 SGP12 23/10/2014 TD Tube, 235978
Date analysed	-	01/11/2014	01/11/2014	01/11/2014	01/11/2014	01/11/2014
Propylene	ng/tube	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ng/tube	<1	<1	<1	<1	<1
Chloromethane	ng/tube	<1	<1	<1	<1	<1
1,2-Dichlorotetrafluoroethane	ng/tube	<1	<1	<1	<1	<1
Vinyl chloride	ng/tube	<1	<1	<1	<1	<1
1,3-Butadiene	ng/tube	<1	<1	<1	<1	<1
Bromomethane	ng/tube	<1	<1	<1	<1	<1
Chloroethane	ng/tube	<1	<1	<1	<1	<1
Ethanol	ng/tube	<1	<1	<1	8	<1
Acrolein	ng/tube	<1	<1	<1	<1	<1
Trichlorofluoromethane	ng/tube	<1	<1	<1	<1	<1
Isopropyl Alcohol	ng/tube	77	510 #	120	36	84
1,1-Dichloroethene	ng/tube	<1	<1	<1	<1	<1
1,1,2-Trichlorotrifluoroethane	ng/tube	<1	<1	<1	<1	<1
Carbon Disulfide	ng/tube	3	7	12	5	6
trans-1,2-dichloroethene	ng/tube	<1	<1	<1	<1	<1
MTBE	ng/tube	<1	<1	<1	<1	<1
1,1- Dichloroethane	ng/tube	<1	<1	<1	<1	<1
Vinyl Acetate	ng/tube	<1	<1	<1	<1	<1
MEK	ng/tube	<1	<1	<1	<1	<1
Hexane	ng/tube	22	21	18	7	13
cis-1,2-Dichloroethene	ng/tube	11	9	7	8	6
Ethyl Acetate	ng/tube	<1	<1	<1	<1	<1
Chloroform	ng/tube	<1	<1	5	1	1
Tetrahydrofuran	ng/tube	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	ng/tube	<1	<1	<1	<1	<1
1,2-Dichloroethane	ng/tube	<1	<1	<1	<1	<1
Benzene	ng/tube	28	29	18	10	12
Carbon tetrachloride	ng/tube	<1	<1	<1	<1	<1
Cyclohexane	ng/tube	90	48	34	17	16
Heptane	ng/tube	37	19	14	6	6
Trichloroethene	ng/tube	21	12	26	10	14
1,2-Dichloropropane	ng/tube	<1	<1	<1	<1	<1
1,4-Dioxane	ng/tube	<1	<1	<1	<1	<1
Bromodichloromethane	ng/tube	<1	<1	<1	<1	<1
Methyl Methacrylate	ng/tube	<1	<1	<1	<1	<1
MIBK	ng/tube	<1	<1	<1	<1	<1
cis-1,3-Dichloropropene	ng/tube	<1	<1	<1	<1	<1
trans-1,3-Dichloropropene	ng/tube	<1	<1	<1	<1	<1
Toluene	ng/tube	8	5	5	2	2
1,1,2-Trichloroethane	ng/tube	<1	<1	<1	<1	<1

TO17 in TD tubes Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	118385-16 SGP10 23/10/2014 TD Tube, 223425	118385-18 SGP11-1.5 23/10/2014 TD Tube, Mi174068	118385-19 SGP11-1.5 23/10/2014 TD Tube, 235980	118385-21 SGP11-2.5 23/10/2014 TD Tube, Mi174063	118385-23 SGP12 23/10/2014 TD Tube, 235978
Methyl Butyl Ketone	ng/tube	<1	<1	<1	<1	<1
Dibromochloromethane	ng/tube	<1	<1	<1	<1	<1
Tetrachloroethene	ng/tube	260	64	110	19	24
1,2-Dibromoethane	ng/tube	<1	<1	<1	<1	<1
Chlorobenzene	ng/tube	<1	<1	<1	<1	<1
Ethylbenzene	ng/tube	2	1	1	<1	<1
m-& *p*-Xylene	ng/tube	6	3	4	<2	<2
Styrene	ng/tube	<1	<1	<1	<1	<1
o-Xylene	ng/tube	4	2	2	<1	<1
Bromoform	ng/tube	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ng/tube	<1	<1	<1	<1	<1
4-ethyl toluene	ng/tube	2	<1	1	<1	<1
1,3,5-Trimethylbenzene	ng/tube	<1	<1	<1	<1	<1
1,2,4-Trimethylbenzene	ng/tube	17	7	9	2	3
1,3-Dichlorobenzene	ng/tube	<1	<1	<1	<1	<1
Benzyl chloride	ng/tube	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	ng/tube	4	2	2	<1	<1
1,2-Dichlorobenzene	ng/tube	<1	<1	<1	<1	<1
1,2,4-Trichlorobenzene	ng/tube	<1	<1	<1	<1	<1
Naphthalene	ng/tube	8	3	3	1	1
Hexachloro-1,3-butadiene	ng/tube	<1	<1	<1	<1	<1
Surrogate-Bromochloromethane	% rec	81	78	80	74	77
Surrogate-1,4-Difluorobenzene	% rec	105	94	94	89	94
Surrogate-Chlorobenzene-D5	% rec	99	102	102	97	100

TO17 in TD tubes Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	118385-24 SGP12 23/10/2014 TD Tube, Mi174069	118385-26 SGP04 24/10/2014 TD Tube, 223424	118385-27 QSV03 24/10/2014 TD Tube, 235979	118385-28 SGP04 24/10/2014 TD Tube, Mi174061	118385-29 QSV3 24/10/2014 TD Tube, Mi174062
Date analysed	-	01/11/2014	01/11/2014	01/11/2014	01/11/2014	01/11/2014
Propylene	ng/tube	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ng/tube	<1	<1	<1	<1	<1
Chloromethane	ng/tube	<1	<1	<1	<1	<1
1,2-Dichlorotetrafluoroethane	ng/tube	<1	<1	<1	<1	<1
Vinyl chloride	ng/tube	<1	<1	<1	<1	<1
1,3-Butadiene	ng/tube	<1	<1	<1	<1	<1
Bromomethane	ng/tube	<1	<1	<1	<1	<1
Chloroethane	ng/tube	<1	<1	<1	<1	<1
Ethanol	ng/tube	<1	<1	<1	<1	<1
Acrolein	ng/tube	<1	<1	<1	<1	<1
Trichlorofluoromethane	ng/tube	<1	<1	<1	<1	<1
Isopropyl Alcohol	ng/tube	2800 #	330	250	380	300
1,1-Dichloroethene	ng/tube	<1	<1	<1	<1	<1
1,1,2-Trichlorotrifluoroethane	ng/tube	<1	<1	<1	<1	<1
Carbon Disulfide	ng/tube	12	5	6	5	2
trans-1,2-dichloroethene	ng/tube	<1	<1	<1	<1	<1
MTBE	ng/tube	<1	<1	<1	<1	<1
1,1-Dichloroethane	ng/tube	<1	<1	<1	<1	<1
Vinyl Acetate	ng/tube	<1	<1	<1	<1	<1
MEK	ng/tube	<1	<1	<1	<1	<1
Hexane	ng/tube	18	13	14	12	4
cis-1,2-Dichloroethene	ng/tube	13	4	4	22	25
Ethyl Acetate	ng/tube	<1	<1	<1	<1	<1
Chloroform	ng/tube	6	1	1	10	11
Tetrahydrofuran	ng/tube	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	ng/tube	<1	<1	<1	<1	<1
1,2-Dichloroethane	ng/tube	<1	<1	<1	<1	<1
Benzene	ng/tube	27	18	10	16	13
Carbon tetrachloride	ng/tube	<1	<1	<1	<1	<1
Cyclohexane	ng/tube	25	11	6	7	5
Heptane	ng/tube	12	5	2	3	2
Trichloroethene	ng/tube	39	8	9	83	100
1,2-Dichloropropane	ng/tube	<1	<1	<1	<1	<1
1,4-Dioxane	ng/tube	<1	<1	<1	<1	<1
Bromodichloromethane	ng/tube	<1	<1	<1	<1	<1
Methyl Methacrylate	ng/tube	<1	<1	<1	<1	<1
MIBK	ng/tube	<1	<1	<1	<1	<1
cis-1,3-Dichloropropene	ng/tube	<1	<1	<1	<1	<1
trans-1,3-Dichloropropene	ng/tube	<1	<1	<1	<1	<1
Toluene	ng/tube	6	4	2	6	5
1,1,2-Trichloroethane	ng/tube	<1	<1	<1	<1	<1

TO17 in TD tubes Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	118385-24 SGP12 23/10/2014 TD Tube, Mi174069	118385-26 SGP04 24/10/2014 TD Tube, 223424	118385-27 QSV03 24/10/2014 TD Tube, 235979	118385-28 SGP04 24/10/2014 TD Tube, Mi174061	118385-29 QSV3 24/10/2014 TD Tube, Mi174062
Methyl Butyl Ketone	ng/tube	<1	<1	<1	<1	<1
Dibromochloromethane	ng/tube	<1	<1	<1	<1	<1
Tetrachloroethene	ng/tube	110	11	12	190	320
1,2-Dibromoethane	ng/tube	<1	<1	<1	<1	<1
Chlorobenzene	ng/tube	<1	<1	<1	<1	<1
Ethylbenzene	ng/tube	2	<1	<1	1	1
m-& *p*-Xylene	ng/tube	5	2	<2	3	3
Styrene	ng/tube	<1	<1	<1	<1	<1
o-Xylene	ng/tube	3	1	<1	2	1
Bromoform	ng/tube	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ng/tube	<1	<1	<1	<1	<1
4-ethyl toluene	ng/tube	10	<1	<1	<1	<1
1,3,5-Trimethylbenzene	ng/tube	<1	<1	<1	<1	<1
1,2,4-Trimethylbenzene	ng/tube	15	5	2	8	7
1,3-Dichlorobenzene	ng/tube	<1	<1	<1	<1	<1
Benzyl chloride	ng/tube	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	ng/tube	3	<1	<1	2	2
1,2-Dichlorobenzene	ng/tube	<1	<1	<1	<1	<1
1,2,4-Trichlorobenzene	ng/tube	<1	<1	<1	<1	<1
Naphthalene	ng/tube	5	<1	<1	3	2
Hexachloro-1,3-butadiene	ng/tube	<1	<1	<1	<1	<1
Surrogate-Bromochloromethane	% rec	81	87	78	83	83
Surrogate-1,4-Difluorobenzene	% rec	97	107	102	107	114
Surrogate-Chlorobenzene-D5	% rec	103	113	111	113	125

TO17 in TD tubes Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	118385-33 SGP03 24/10/2014 TD Tube, 235968	118385-34 SGP03 24/10/2014 TD Tube, 235961	118385-36 SGP05-2.5 24/10/2014 TD Tube, 235962	118385-37 SGP05-2.5 24/10/2014 TD Tube, 235970	118385-39 SGP05-1.5 24/10/2014 TD Tube, 235965
Date analysed	-	01/11/2014	01/11/2014	01/11/2014	01/11/2014	01/11/2014
Propylene	ng/tube	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ng/tube	<1	<1	<1	<1	<1
Chloromethane	ng/tube	<1	<1	<1	<1	<1
1,2-Dichlorotetrafluoroethane	ng/tube	<1	<1	<1	<1	<1
Vinyl chloride	ng/tube	<1	<1	<1	<1	<1
1,3-Butadiene	ng/tube	<1	<1	<1	<1	<1
Bromomethane	ng/tube	<1	<1	<1	<1	<1
Chloroethane	ng/tube	<1	<1	<1	<1	<1
Ethanol	ng/tube	<1	<1	<1	<1	<1
Acrolein	ng/tube	<1	<1	<1	<1	<1
Trichlorofluoromethane	ng/tube	<1	<1	<1	<1	<1
Isopropyl Alcohol	ng/tube	220	140	600 #	400 #	320
1,1-Dichloroethene	ng/tube	<1	<1	<1	<1	<1
1,1,2-Trichlorotrifluoroethane	ng/tube	<1	<1	<1	<1	<1
Carbon Disulfide	ng/tube	3	5	8	10	4
trans-1,2-dichloroethene	ng/tube	<1	<1	<1	<1	<1
MTBE	ng/tube	<1	<1	<1	<1	<1
1,1- Dichloroethane	ng/tube	<1	<1	<1	<1	<1
Vinyl Acetate	ng/tube	<1	<1	<1	<1	<1
MEK	ng/tube	<1	<1	<1	<1	<1
Hexane	ng/tube	6	13	17	16	9
cis-1,2-Dichloroethene	ng/tube	5	5	2	4	3
Ethyl Acetate	ng/tube	<1	<1	<1	<1	<1
Chloroform	ng/tube	2	7	<1	6	1
Tetrahydrofuran	ng/tube	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	ng/tube	<1	<1	<1	<1	<1
1,2-Dichloroethane	ng/tube	<1	<1	<1	<1	<1
Benzene	ng/tube	22	24	13	24	19
Carbon tetrachloride	ng/tube	<1	<1	<1	<1	<1
Cyclohexane	ng/tube	11	10	7	8	8
Heptane	ng/tube	3	3	2	3	3
Trichloroethene	ng/tube	24	36	7	110	22
1,2-Dichloropropane	ng/tube	<1	<1	<1	<1	<1
1,4-Dioxane	ng/tube	<1	<1	<1	<1	<1
Bromodichloromethane	ng/tube	<1	<1	<1	<1	<1
Methyl Methacrylate	ng/tube	<1	<1	<1	<1	<1
MIBK	ng/tube	<1	<1	<1	<1	<1
cis-1,3-Dichloropropene	ng/tube	<1	<1	<1	<1	<1
trans-1,3-Dichloropropene	ng/tube	<1	<1	<1	<1	<1
Toluene	ng/tube	4	6	2	6	3
1,1,2-Trichloroethane	ng/tube	<1	<1	<1	<1	<1

TO17 in TD tubes Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	118385-33 SGP03 24/10/2014 TD Tube, 235968	118385-34 SGP03 24/10/2014 TD Tube, 235961	118385-36 SGP05-2.5 24/10/2014 TD Tube, 235962	118385-37 SGP05-2.5 24/10/2014 TD Tube, 235970	118385-39 SGP05-1.5 24/10/2014 TD Tube, 235965
Methyl Butyl Ketone	ng/tube	<1	<1	<1	<1	<1
Dibromochloromethane	ng/tube	<1	<1	<1	<1	<1
Tetrachloroethene	ng/tube	150	2600 #	230	5300 #	1300 #
1,2-Dibromoethane	ng/tube	<1	<1	<1	<1	<1
Chlorobenzene	ng/tube	<1	<1	<1	<1	<1
Ethylbenzene	ng/tube	<1	2	<1	1	<1
m-& *p*-Xylene	ng/tube	3	5	<2	4	<2
Styrene	ng/tube	<1	<1	<1	<1	<1
o-Xylene	ng/tube	1	2	<1	2	1
Bromoform	ng/tube	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ng/tube	<1	<1	<1	<1	<1
4-ethyl toluene	ng/tube	<1	1	<1	1	<1
1,3,5-Trimethylbenzene	ng/tube	<1	<1	<1	<1	<1
1,2,4-Trimethylbenzene	ng/tube	6	12	2	10	4
1,3-Dichlorobenzene	ng/tube	<1	<1	<1	<1	<1
Benzyl chloride	ng/tube	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	ng/tube	2	3	<1	2	1
1,2-Dichlorobenzene	ng/tube	<1	<1	<1	<1	<1
1,2,4-Trichlorobenzene	ng/tube	<1	<1	<1	<1	<1
Naphthalene	ng/tube	3	6	<1	4	2
Hexachloro-1,3-butadiene	ng/tube	<1	<1	<1	<1	<1
Surrogate-Bromochloromethane	% rec	72	100	86	86	88
Surrogate-1,4-Difluorobenzene	% rec	112	100	91	84	84
Surrogate-Chlorobenzene-D5	% rec	121	100	89	85	82

TO17 in TD tubes Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	118385-40 SGP05-1.5 24/10/2014 TD Tube, 235963	118385-42 SGP06 24/10/2014 TD Tube, 235967	118385-43 SGP06 24/10/2014 TD Tube, 235971	118385-45 TB1 24/10/2014 TD Tube, 222989	118385-46 TS1 24/10/2014 TD Tube, 222990
Date analysed	-	01/11/2014	01/11/2014	01/11/2014	01/11/2014	01/11/2014
Propylene	ng/tube	<1	<1	<1	<1	116%
Dichlorodifluoromethane	ng/tube	<1	<1	<1	<1	[NT]
Chloromethane	ng/tube	<1	<1	<1	<1	[NT]
1,2-Dichlorotetrafluoroethane	ng/tube	<1	<1	<1	<1	[NT]
Vinyl chloride	ng/tube	<1	<1	<1	<1	[NT]
1,3-Butadiene	ng/tube	<1	<1	<1	<1	[NT]
Bromomethane	ng/tube	<1	<1	<1	<1	[NT]
Chloroethane	ng/tube	<1	<1	<1	<1	[NT]
Ethanol	ng/tube	<1	<1	<1	<1	[NT]
Acrolein	ng/tube	<1	<1	<1	<1	[NT]
Trichlorofluoromethane	ng/tube	<1	<1	<1	<1	[NT]
Isopropyl Alcohol	ng/tube	310	260	74	<1	[NT]
1,1-Dichloroethene	ng/tube	<1	<1	<1	<1	[NT]
1,1,2-Trichlorotrifluoroethane	ng/tube	<1	<1	<1	<1	[NT]
Carbon Disulfide	ng/tube	6	4	3	<1	[NT]
trans-1,2-dichloroethene	ng/tube	<1	<1	<1	<1	[NT]
MTBE	ng/tube	<1	<1	<1	<1	[NT]
1,1-Dichloroethane	ng/tube	<1	<1	<1	<1	[NT]
Vinyl Acetate	ng/tube	<1	<1	<1	<1	[NT]
MEK	ng/tube	<1	<1	<1	<1	[NT]
Hexane	ng/tube	17	9	8	<1	102%
cis-1,2-Dichloroethene	ng/tube	3	3	2	<1	[NT]
Ethyl Acetate	ng/tube	<1	<1	<1	<1	[NT]
Chloroform	ng/tube	5	1	1	<1	[NT]
Tetrahydrofuran	ng/tube	<1	<1	<1	<1	[NT]
1,1,1-Trichloroethane	ng/tube	<1	<1	<1	<1	[NT]
1,2-Dichloroethane	ng/tube	<1	<1	<1	<1	[NT]
Benzene	ng/tube	29	26	41	<1	106%
Carbon tetrachloride	ng/tube	<1	<1	<1	<1	[NT]
Cyclohexane	ng/tube	10	10	11	<1	125%
Heptane	ng/tube	4	3	4	<1	95%
Trichloroethene	ng/tube	91	21	36	<1	[NT]
1,2-Dichloropropane	ng/tube	<1	<1	<1	<1	[NT]
1,4-Dioxane	ng/tube	<1	<1	<1	<1	[NT]
Bromodichloromethane	ng/tube	<1	<1	<1	<1	[NT]
Methyl Methacrylate	ng/tube	<1	<1	<1	<1	[NT]
MIBK	ng/tube	<1	<1	1	<1	[NT]
cis-1,3-Dichloropropene	ng/tube	<1	<1	<1	<1	[NT]
trans-1,3-Dichloropropene	ng/tube	<1	<1	<1	<1	[NT]
Toluene	ng/tube	7	4	8	<1	96%
1,1,2-Trichloroethane	ng/tube	<1	<1	<1	<1	[NT]

TO17 in TD tubes Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	118385-40 SGP05-1.5 24/10/2014 TD Tube, 235963	118385-42 SGP06 24/10/2014 TD Tube, 235967	118385-43 SGP06 24/10/2014 TD Tube, 235971	118385-45 TB1 24/10/2014 TD Tube, 222989	118385-46 TS1 24/10/2014 TD Tube, 222990
Methyl Butyl Ketone	ng/tube	<1	<1	<1	<1	[NT]
Dibromochloromethane	ng/tube	<1	<1	<1	<1	[NT]
Tetrachloroethene	ng/tube	8600 #	2000 #	6200 #	<1	[NT]
1,2-Dibromoethane	ng/tube	<1	<1	<1	<1	[NT]
Chlorobenzene	ng/tube	<1	<1	<1	<1	[NT]
Ethylbenzene	ng/tube	2	1	3	<1	87%
m-& *p*-Xylene	ng/tube	6	3	8	<2	87%
Styrene	ng/tube	<1	<1	<1	<1	91%
o-Xylene	ng/tube	3	2	5	<1	87%
Bromoform	ng/tube	<1	<1	<1	<1	[NT]
1,1,2,2-Tetrachloroethane	ng/tube	<1	<1	<1	<1	[NT]
4-ethyl toluene	ng/tube	1	<1	3	<1	92%
1,3,5-Trimethylbenzene	ng/tube	<1	<1	<1	<1	94%
1,2,4-Trimethylbenzene	ng/tube	13	7	27	<1	93%
1,3-Dichlorobenzene	ng/tube	<1	<1	<1	<1	[NT]
Benzyl chloride	ng/tube	<1	<1	<1	<1	[NT]
1,4-Dichlorobenzene	ng/tube	3	2	7	<1	[NT]
1,2-Dichlorobenzene	ng/tube	<1	<1	<1	<1	[NT]
1,2,4-Trichlorobenzene	ng/tube	<1	<1	<1	<1	[NT]
Naphthalene	ng/tube	5	4	12	<1	[NT]
Hexachloro-1,3-butadiene	ng/tube	<1	<1	<1	<1	[NT]
Surrogate-Bromochloromethane	% rec	70	83	89	77	86
Surrogate-1,4-Difluorobenzene	% rec	66	81	85	77	78
Surrogate-Chlorobenzene-D5	% rec	64	79	83	79	78

TO17 in TD tubes Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	118385-47 SGP08 27/10/2014 TD Tube, 235964	118385-48 SGP08 27/10/2014 TD Tube, 235972	118385-50 SGP07 27/10/2014 TD Tube, 235977	118385-51 SGP07 27/10/2014 TD Tube, 235966	118385-53 SGP01-2.0 27/10/2014 TD Tube, 235975
Date analysed	-	01/11/2014	01/11/2014	01/11/2014	01/11/2014	01/11/2014
Propylene	ng/tube	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ng/tube	<1	<1	<1	<1	<1
Chloromethane	ng/tube	<1	<1	<1	<1	<1
1,2-Dichlorotetrafluoroethane	ng/tube	<1	<1	<1	<1	<1
Vinyl chloride	ng/tube	<1	<1	<1	<1	<1
1,3-Butadiene	ng/tube	<1	<1	<1	<1	<1
Bromomethane	ng/tube	<1	<1	<1	<1	<1
Chloroethane	ng/tube	<1	<1	<1	<1	<1
Ethanol	ng/tube	<1	<1	<1	<1	<1
Acrolein	ng/tube	<1	<1	<1	<1	<1
Trichlorofluoromethane	ng/tube	<1	<1	<1	<1	<1
Isopropyl Alcohol	ng/tube	950 #	720 #	500 #	390 #	330
1,1-Dichloroethene	ng/tube	<1	<1	<1	<1	6
1,1,2-Trichlorotrifluoroethane	ng/tube	<1	<1	<1	<1	<1
Carbon Disulfide	ng/tube	2	7	4	7	7
trans-1,2-dichloroethene	ng/tube	<1	<1	<1	<1	20
MTBE	ng/tube	<1	<1	<1	<1	<1
1,1- Dichloroethane	ng/tube	<1	<1	<1	<1	<1
Vinyl Acetate	ng/tube	<1	<1	<1	<1	<1
MEK	ng/tube	<1	<1	<1	<1	<1
Hexane	ng/tube	<1	<1	12	8	20
cis-1,2-Dichloroethene	ng/tube	<1	<1	<1	<1	2200 #
Ethyl Acetate	ng/tube	<1	<1	<1	<1	<1
Chloroform	ng/tube	<1	2	<1	<1	4
Tetrahydrofuran	ng/tube	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	ng/tube	<1	<1	<1	<1	<1
1,2-Dichloroethane	ng/tube	<1	<1	<1	<1	<1
Benzene	ng/tube	12	19	9	9	6
Carbon tetrachloride	ng/tube	<1	<1	<1	<1	<1
Cyclohexane	ng/tube	4	4	2	2	2
Heptane	ng/tube	1	2	<1	1	<1
Trichloroethene	ng/tube	3	79	11	32	140
1,2-Dichloropropane	ng/tube	<1	<1	<1	<1	<1
1,4-Dioxane	ng/tube	<1	<1	<1	<1	<1
Bromodichloromethane	ng/tube	<1	<1	<1	<1	<1
Methyl Methacrylate	ng/tube	<1	<1	<1	<1	<1
MIBK	ng/tube	<1	<1	<1	<1	<1
cis-1,3-Dichloropropene	ng/tube	<1	<1	<1	<1	<1
trans-1,3-Dichloropropene	ng/tube	<1	<1	<1	<1	<1
Toluene	ng/tube	7	16	5	9	4
1,1,2-Trichloroethane	ng/tube	<1	<1	<1	<1	<1

TO17 in TD tubes Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	118385-47 SGP08 27/10/2014 TD Tube, 235964	118385-48 SGP08 27/10/2014 TD Tube, 235972	118385-50 SGP07 27/10/2014 TD Tube, 235977	118385-51 SGP07 27/10/2014 TD Tube, 235966	118385-53 SGP01-2.0 27/10/2014 TD Tube, 235975
Methyl Butyl Ketone	ng/tube	<1	<1	<1	<1	<1
Dibromochloromethane	ng/tube	<1	<1	<1	<1	<1
Tetrachloroethene	ng/tube	120	1000 #	310	6100 #	1600 #
1,2-Dibromoethane	ng/tube	<1	<1	<1	<1	<1
Chlorobenzene	ng/tube	<1	<1	<1	<1	<1
Ethylbenzene	ng/tube	1	3	1	2	<1
m-& *p*-Xylene	ng/tube	4	11	4	8	3
Styrene	ng/tube	<1	<1	<1	<1	<1
o-Xylene	ng/tube	1	4	1	3	<1
Bromoform	ng/tube	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ng/tube	<1	<1	<1	<1	<1
4-ethyl toluene	ng/tube	<1	1	<1	<1	<1
1,3,5-Trimethylbenzene	ng/tube	<1	<1	<1	<1	<1
1,2,4-Trimethylbenzene	ng/tube	3	8	3	7	2
1,3-Dichlorobenzene	ng/tube	<1	<1	<1	<1	<1
Benzyl chloride	ng/tube	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	ng/tube	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	ng/tube	<1	<1	<1	<1	<1
1,2,4-Trichlorobenzene	ng/tube	<1	<1	<1	<1	<1
Naphthalene	ng/tube	2	5	2	4	1
Hexachloro-1,3-butadiene	ng/tube	<1	<1	<1	<1	<1
Surrogate-Bromochloromethane	% rec	75	74	114	88	89
Surrogate-1,4-Difluorobenzene	% rec	72	74	116	86	91
Surrogate-Chlorobenzene-D5	% rec	66	74	115	87	93

TO17 in TD tubes Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	118385-54 SGP01-2.0 27/10/2014 TD Tube, 235973	118385-56 SGP01-0.5 27/10/2014 TD Tube, 235974	118385-57 SGP01-0.5 27/10/2014 TD Tube, 235969
Date analysed	-	01/11/2014	01/11/2014	01/11/2014
Propylene	ng/tube	<1	<1	<1
Dichlorodifluoromethane	ng/tube	<1	<1	<1
Chloromethane	ng/tube	<1	<1	<1
1,2-Dichlorotetrafluoroethane	ng/tube	<1	<1	<1
Vinyl chloride	ng/tube	<1	<1	<1
1,3-Butadiene	ng/tube	<1	<1	<1
Bromomethane	ng/tube	<1	<1	<1
Chloroethane	ng/tube	<1	<1	<1
Ethanol	ng/tube	<1	<1	<1
Acrolein	ng/tube	<1	<1	<1
Trichlorofluoromethane	ng/tube	<1	<1	<1
Isopropyl Alcohol	ng/tube	410 #	230	470 #
1,1-Dichloroethene	ng/tube	36	3	9
1,1,2-Trichlorotrifluoroethane	ng/tube	<1	<1	<1
Carbon Disulfide	ng/tube	3	5	2
trans-1,2-dichloroethene	ng/tube	170	17	61
MTBE	ng/tube	<1	<1	<1
1,1- Dichloroethane	ng/tube	<1	<1	<1
Vinyl Acetate	ng/tube	<1	<1	<1
MEK	ng/tube	<1	<1	<1
Hexane	ng/tube	7	15	4
cis-1,2-Dichloroethene	ng/tube	12000 #	3100 #	10000 #
Ethyl Acetate	ng/tube	<1	<1	<1
Chloroform	ng/tube	44	6	24
Tetrahydrofuran	ng/tube	<1	<1	<1
1,1,1-Trichloroethane	ng/tube	<1	<1	<1
1,2-Dichloroethane	ng/tube	<1	<1	<1
Benzene	ng/tube	12	5	9
Carbon tetrachloride	ng/tube	<1	<1	<1
Cyclohexane	ng/tube	3	1	2
Heptane	ng/tube	<1	<1	<1
Trichloroethene	ng/tube	3500 #	500 #	2100 #
1,2-Dichloropropane	ng/tube	<1	<1	<1
1,4-Dioxane	ng/tube	<1	<1	<1
Bromodichloromethane	ng/tube	<1	<1	<1
Methyl Methacrylate	ng/tube	<1	<1	<1
MIBK	ng/tube	<1	<1	<1
cis-1,3-Dichloropropene	ng/tube	<1	<1	<1
trans-1,3-Dichloropropene	ng/tube	<1	<1	<1
Toluene	ng/tube	8	3	6
1,1,2-Trichloroethane	ng/tube	<1	<1	<1

TO17 in TD tubes Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	118385-54 SGP01-2.0 27/10/2014 TD Tube, 235973	118385-56 SGP01-0.5 27/10/2014 TD Tube, 235974	118385-57 SGP01-0.5 27/10/2014 TD Tube, 235969
Methyl Butyl Ketone	ng/tube	<1	<1	<1
Dibromochloromethane	ng/tube	<1	<1	<1
Tetrachloroethene	ng/tube	22000 #	5800 #	24000 #
1,2-Dibromoethane	ng/tube	<1	<1	<1
Chlorobenzene	ng/tube	<1	<1	<1
Ethylbenzene	ng/tube	2	<1	2
m-& *p*-Xylene	ng/tube	8	2	6
Styrene	ng/tube	<1	<1	<1
o-Xylene	ng/tube	3	<1	2
Bromoform	ng/tube	<1	<1	<1
1,1,2,2-Tetrachloroethane	ng/tube	<1	<1	<1
4-ethyl toluene	ng/tube	<1	<1	<1
1,3,5-Trimethylbenzene	ng/tube	<1	<1	<1
1,2,4-Trimethylbenzene	ng/tube	6	2	5
1,3-Dichlorobenzene	ng/tube	<1	<1	<1
Benzyl chloride	ng/tube	<1	<1	<1
1,4-Dichlorobenzene	ng/tube	<1	<1	<1
1,2-Dichlorobenzene	ng/tube	<1	<1	<1
1,2,4-Trichlorobenzene	ng/tube	<1	<1	<1
Naphthalene	ng/tube	3	1	4
Hexachloro-1,3-butadiene	ng/tube	<1	<1	<1
Surrogate-Bromochloromethane	% rec	98	96	81
Surrogate-1,4-Difluorobenzene	% rec	93	96	85
Surrogate-Chlorobenzene-D5	% rec	94	97	85

TO17 in TD tubes in ug/m3 Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	118385-1 SGP13 - 1.5 23/10/2014 TD Tube, 223426	118385-2 SGP13 - 1.5 23/10/2014 TD Tube, 222987	118385-4 SGP13-2.5 23/10/2014 TD Tube, 222951	118385-5 SGP13-2.5 23/10/2014 TD Tube, 222988	118385-8 SGP09 23/10/2014 TD Tube, 222984
Date analysed	-	01/11/2014	01/11/2014	01/11/2014	01/11/2014	01/11/2014
Propylene	µg/m^3	<10	<2.0	<10	<2.0	<10
Dichlorodifluoromethane	µg/m^3	<10	<2.0	<10	<2.0	<10
Chloromethane	ug/m3	<10	<2	<10	<2	<10
1,2-Dichlorotetrafluoroethane	ug/m3	<10	<2	<10	<2	<10
Vinyl chloride	ug/m3	<10	<2	<10	<2	<10
1,3-Butadiene	ug/m3	<10	<2	<10	<2	<10
Bromomethane	ug/m3	<10	<2	<10	<2	<10
Chloroethane	ug/m3	<10	<2	<10	<2	<10
Ethanol	ug/m3	<10	17	120	22	<10
Acrolein	ug/m3	<10	<2	<10	<2	<10
Trichlorofluoromethane	ug/m3	<10	<2	<10	<2	<10
Isopropyl Alcohol	ug/m3	2,400	84	240	160	1,500
1,1-Dichloroethene	ug/m3	<10	<2	<10	<2	<10
1,1,2-Trichlorotrifluoroethane	ug/m3	<10	<2	<10	<2	<10
Carbon Disulfide	ug/m3	37	15	64	33	42
trans-1,2-dichloroethene	ug/m3	<10	<2	<10	<2	<10
MTBE	ug/m3	<10	<2	<10	<2	<10
1,1-Dichloroethane	ug/m3	<10	<2	<10	<2	<10
Vinyl Acetate	ug/m3	<10	<2	<10	<2	<10
MEK	ug/m3	<10	<2	<10	<2	<10
Hexane	µg/m^3	110	18	120	17	770
cis-1,2-Dichloroethene	ug/m3	<10	<2	<10	<2	100
Ethyl Acetate	ug/m3	<10	<2	<10	<2	<10
Chloroform	ug/m3	<10	10	<10	8	<10
Tetrahydrofuran	ug/m3	<10	<2	<10	<2	<10
1,1,1-Trichloroethane	ug/m3	<10	<2	<10	<2	<10
1,2-Dichloroethane	ug/m3	<10	<2	<10	<2	<10
Benzene	µg/m^3	20	5.6	21	12	130
Carbon tetrachloride	ug/m3	<10	<2	<10	<2	<10
Cyclohexane	µg/m^3	<10	<2.0	<10	<2.0	1,700
Heptane	µg/m^3	93	2.4	<10	3.0	370
Trichloroethene	ug/m3	<10	<2	<10	<2	28
1,2-Dichloropropane	ug/m3	<10	<2	<10	<2	<10
1,4-Dioxane	ug/m3	<10	<2	<10	<2	<10
Bromodichloromethane	ug/m3	<10	<2	<10	<2	<10
Methyl Methacrylate	ug/m3	<10	<2	<10	<2	<10
MIBK	ug/m3	<10	<2	<10	<2	<10
cis-1,3-Dichloropropene	ug/m3	<10	<2	<10	<2	<10
trans-1,3-Dichloropropene	ug/m3	<10	<2	<10	<2	<10
Toluene	µg/m^3	67	14	20	16	59
1,1,2-Trichloroethane	ug/m3	<10	<2	<10	<2	<10

TO17 in TD tubes in ug/m3 Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	118385-1 SGP13 - 1.5 23/10/2014 TD Tube, 223426	118385-2 SGP13 - 1.5 23/10/2014 TD Tube, 222987	118385-4 SGP13-2.5 23/10/2014 TD Tube, 222951	118385-5 SGP13-2.5 23/10/2014 TD Tube, 222988	118385-8 SGP09 23/10/2014 TD Tube, 222984
Methyl Butyl Ketone	ug/m3	<10	<2	<10	<2	<10
Dibromochloromethane	ug/m3	<10	<2	<10	<2	<10
Tetrachloroethene	ug/m3	<10	<2	<10	<2	<10
1,2-Dibromoethane	ug/m3	<10	<2	<10	<2	<10
Chlorobenzene	ug/m3	<10	<2	<10	<2	<10
Ethylbenzene	µg/m^3	<10	<2.0	<10	<2.0	<10
m-& *p*-Xylene	µg/m^3	27	6.0	<20	6.5	25
Styrene	µg/m^3	<10	<2.0	<10	<2.0	<10
o-Xylene	µg/m^3	17	3.9	<10	4.3	16
Bromoform	ug/m3	<10	<2	<10	<2	<10
1,1,2,2-Tetrachloroethane	ug/m3	<10	<2	<10	<2	<10
4-ethyl toluene	µg/m^3	10	2.1	<10	2.3	11
1,3,5-Trimethylbenzene	µg/m^3	<10	<2.0	<10	<2.0	<10
1,2,4-Trimethylbenzene	µg/m^3	82	22	24	20	85
1,3-Dichlorobenzene	ug/m3	<10	<2	<10	<2	<10
Benzyl chloride	ug/m3	<10	<2	<10	<2	<10
1,4-Dichlorobenzene	ug/m3	20	5	<10	5	21
1,2-Dichlorobenzene	ug/m3	<10	<2	<10	<2	<10
1,2,4-Trichlorobenzene	ug/m3	<10	<2	<10	<2	<10
Naphthalene	ug/m3	27	6	<10	7	36
Hexachloro- 1,3-butadiene	ug/m3	<10	<2	<10	<2	<10
Surrogate-Bromochloromethane	% rec	84	93	85	93	87
Surrogate-1,4-Difluorobenzene	% rec	80	90	87	90	87
Surrogate-Chlorobenzene-D5	% rec	75	85	84	85	83

TO17 in TD tubes in ug/m3 Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	118385-9 QSV1 23/10/2014 TD Tube, 222985	118385-10 SGP09 23/10/2014 TD Tube, 222983	118385-11 QSV1 23/10/2014 TD Tube, 223430	118385-14 SGP11-2.5 23/10/2014 TD tube, Mi174070	118385-15 SGP10 23/10/2014 TD Tube, 223423
Date analysed	-	01/11/2014	01/11/2014	01/11/2014	01/11/2014	01/11/2014
Propylene	µg/m^3	<10	<2.0	<2.0	<2.0	<10
Dichlorodifluoromethane	µg/m^3	<10	<2.0	<2.0	<2.0	<10
Chloromethane	ug/m3	<10	<2	<2	<2	<10
1,2-Dichlorotetrafluoroethane	ug/m3	<10	<2	<2	<2	<10
Vinyl chloride	ug/m3	<10	<2	<2	<2	<10
1,3-Butadiene	ug/m3	<10	<2	<2	<2	<10
Bromomethane	ug/m3	<10	<2	<2	<2	<10
Chloroethane	ug/m3	<10	<2	<2	<2	<10
Ethanol	ug/m3	<10	25	14	14	<10
Acrolein	ug/m3	<10	<2	<2	<2	<10
Trichlorofluoromethane	ug/m3	<10	<2	<2	<2	<10
Isopropyl Alcohol	ug/m3	300	<2	<2	160	5900 #
1,1-Dichloroethene	ug/m3	<10	<2	<2	<2	<10
1,1,2-Trichlorotrifluoroethane	ug/m3	<10	<2	<2	<2	<10
Carbon Disulfide	ug/m3	55	15	14	41	79
trans-1,2-dichloroethene	ug/m3	<10	110	93	<2	<10
MTBE	ug/m3	<10	<2	<2	<2	<10
1,1- Dichloroethane	ug/m3	<10	<2	<2	<2	<10
Vinyl Acetate	ug/m3	<10	<2	<2	<2	<10
MEK	ug/m3	<10	<2	<2	<2	<10
Hexane	µg/m^3	1,100	1200 #	1300 #	21	390
cis-1,2-Dichloroethene	ug/m3	180	280	300	120	140
Ethyl Acetate	ug/m3	<10	<2	<2	<2	<10
Chloroform	ug/m3	<10	<2	<2	16	<10
Tetrahydrofuran	ug/m3	<10	<2	<2	<2	<10
1,1,1-Trichloroethane	ug/m3	<10	<2	<2	<2	<10
1,2-Dichloroethane	ug/m3	<10	<2	<2	<2	<10
Benzene	µg/m^3	140	220	290	43	280
Carbon tetrachloride	ug/m3	<10	<2	<2	<2	<10
Cyclohexane	µg/m^3	2,600	3200 #	3600 #	51	900
Heptane	µg/m^3	560	880 #	1100 #	22	310
Trichloroethene	ug/m3	70	190	270	240	160
1,2-Dichloropropane	ug/m3	<10	<2	<2	<2	<10
1,4-Dioxane	ug/m3	<10	<2	<2	<2	<10
Bromodichloromethane	ug/m3	<10	<2	<2	<2	<10
Methyl Methacrylate	ug/m3	<10	<2	<2	<2	<10
MIBK	ug/m3	<10	<2	<2	<2	<10
cis-1,3-Dichloropropene	ug/m3	<10	<2	<2	<2	<10
trans-1,3-Dichloropropene	ug/m3	<10	<2	<2	<2	<10
Toluene	µg/m^3	24	19	20	9.8	52
1,1,2-Trichloroethane	ug/m3	<10	<2	<2	<2	<10

TO17 in TD tubes in ug/m3 Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	118385-9 QSV1 23/10/2014 TD Tube, 222985	118385-10 SGP09 23/10/2014 TD Tube, 222983	118385-11 QSV1 23/10/2014 TD Tube, 223430	118385-14 SGP11-2.5 23/10/2014 TD tube, Mi174070	118385-15 SGP10 23/10/2014 TD Tube, 223423
Methyl Butyl Ketone	ug/m3	<10	<2	<2	<2	<10
Dibromochloromethane	ug/m3	<10	<2	<2	<2	<10
Tetrachloroethene	ug/m3	<10	<2	<2	280	20
1,2-Dibromoethane	ug/m3	<10	<2	<2	<2	<10
Chlorobenzene	ug/m3	<10	<2	<2	<2	<10
Ethylbenzene	µg/m^3	<10	3.2	5.5	3.0	11
m-& *p*-Xylene	µg/m^3	<20	9.7	15	8.7	31
Styrene	µg/m^3	<10	<2.0	<2.0	<2.0	<10
o-Xylene	µg/m^3	<10	6.3	8.3	5.3	18
Bromoform	ug/m3	<10	<2	<2	<2	<10
1,1,2,2-Tetrachloroethane	ug/m3	<10	<2	<2	<2	<10
4-ethyl toluene	µg/m^3	<10	3.8	4.2	2.6	13
1,3,5-Trimethylbenzene	µg/m^3	<10	<2.0	<2.0	<2.0	<10
1,2,4-Trimethylbenzene	µg/m^3	31	34	38	22	82
1,3-Dichlorobenzene	ug/m3	<10	<2	<2	<2	<10
Benzyl chloride	ug/m3	<10	<2	<2	<2	<10
1,4-Dichlorobenzene	ug/m3	<10	9	9	5	21
1,2-Dichlorobenzene	ug/m3	<10	<2	<2	<2	<10
1,2,4-Trichlorobenzene	ug/m3	<10	<2	<2	<2	<10
Naphthalene	ug/m3	13	15	15	7	33
Hexachloro- 1,3-butadiene	ug/m3	<10	<2	<2	<2	<10
Surrogate-Bromochloromethane	% rec	92	89	87	89	80
Surrogate-1,4-Difluorobenzene	% rec	100	95	95	104	99
Surrogate-Chlorobenzene-D5	% rec	98	91	90	99	95

TO17 in TD tubes in ug/m3 Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	118385-16 SGP10 23/10/2014 TD Tube, 223425	118385-18 SGP11-1.5 23/10/2014 TD Tube, Mi174068	118385-19 SGP11-1.5 23/10/2014 TD Tube, 235980	118385-21 SGP11-2.5 23/10/2014 TD Tube, Mi174063	118385-23 SGP12 23/10/2014 TD Tube, 235978
Date analysed	-	01/11/2014	01/11/2014	01/11/2014	01/11/2014	01/11/2014
Propylene	µg/m^3	<2.0	<10	<2.0	<10	<10
Dichlorodifluoromethane	µg/m^3	<2.0	<10	<2.0	<10	<10
Chloromethane	ug/m3	<2	<10	<2	<10	<10
1,2-Dichlorotetrafluoroethane	ug/m3	<2	<10	<2	<10	<10
Vinyl chloride	ug/m3	<2	<10	<2	<10	<10
1,3-Butadiene	ug/m3	<2	<10	<2	<10	<10
Bromomethane	ug/m3	<2	<10	<2	<10	<10
Chloroethane	ug/m3	<2	<10	<2	<10	<10
Ethanol	ug/m3	<2	<10	<2	82	<10
Acrolein	ug/m3	<2	<10	<2	<10	<10
Trichlorofluoromethane	ug/m3	<2	<10	<2	<10	<10
Isopropyl Alcohol	ug/m3	150	5100 #	250	360	840
1,1-Dichloroethene	ug/m3	<2	<10	<2	<10	<10
1,1,2-Trichlorotrifluoroethane	ug/m3	<2	<10	<2	<10	<10
Carbon Disulfide	ug/m3	6	66	24	45	61
trans-1,2-dichloroethene	ug/m3	<2	<10	<2	<10	<10
MTBE	ug/m3	<2	<10	<2	<10	<10
1,1- Dichloroethane	ug/m3	<2	<10	<2	<10	<10
Vinyl Acetate	ug/m3	<2	<10	<2	<10	<10
MEK	ug/m3	<2	<10	<2	<10	<10
Hexane	µg/m^3	44	210	35	72	130
cis-1,2-Dichloroethene	ug/m3	22	90	15	76	64
Ethyl Acetate	ug/m3	<2	<10	<2	<10	<10
Chloroform	ug/m3	<2	<10	9	10	11
Tetrahydrofuran	ug/m3	<2	<10	<2	<10	<10
1,1,1-Trichloroethane	ug/m3	<2	<10	<2	<10	<10
1,2-Dichloroethane	ug/m3	<2	<10	<2	<10	<10
Benzene	µg/m^3	57	290	36	100	120
Carbon tetrachloride	ug/m3	<2	<10	<2	<10	<10
Cyclohexane	µg/m^3	180	480	69	170	160
Heptane	µg/m^3	75	190	28	60	59
Trichloroethene	ug/m3	42	120	53	97	140
1,2-Dichloropropane	ug/m3	<2	<10	<2	<10	<10
1,4-Dioxane	ug/m3	<2	<10	<2	<10	<10
Bromodichloromethane	ug/m3	<2	<10	<2	<10	<10
Methyl Methacrylate	ug/m3	<2	<10	<2	<10	<10
MIBK	ug/m3	<2	<10	<2	<10	<10
cis-1,3-Dichloropropene	ug/m3	<2	<10	<2	<10	<10
trans-1,3-Dichloropropene	ug/m3	<2	<10	<2	<10	<10
Toluene	µg/m^3	15	50	9.6	16	19
1,1,2-Trichloroethane	ug/m3	<2	<10	<2	<10	<10

TO17 in TD tubes in ug/m3 Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	118385-16 SGP10 23/10/2014 TD Tube, 223425	118385-18 SGP11-1.5 23/10/2014 TD Tube, Mi174068	118385-19 SGP11-1.5 23/10/2014 TD Tube, 235980	118385-21 SGP11-2.5 23/10/2014 TD Tube, Mi174063	118385-23 SGP12 23/10/2014 TD Tube, 235978
Methyl Butyl Ketone	ug/m3	<2	<10	<2	<10	<10
Dibromochloromethane	ug/m3	<2	<10	<2	<10	<10
Tetrachloroethene	ug/m3	520	640	210	190	240
1,2-Dibromoethane	ug/m3	<2	<10	<2	<10	<10
Chlorobenzene	ug/m3	<2	<10	<2	<10	<10
Ethylbenzene	µg/m^3	4.4	11	2.6	<10	<10
m-& *p*-Xylene	µg/m^3	13	30	7.3	11	12
Styrene	µg/m^3	<2.0	<10	<2.0	<10	<10
o-Xylene	µg/m^3	7.3	17	4.3	<10	<10
Bromoform	ug/m3	<2	<10	<2	<10	<10
1,1,2,2-Tetrachloroethane	ug/m3	<2	<10	<2	<10	<10
4-ethyl toluene	µg/m^3	4.7	<10	2.6	<10	<10
1,3,5-Trimethylbenzene	µg/m^3	<2.0	<10	<2.0	<10	<10
1,2,4-Trimethylbenzene	µg/m^3	35	74	19	23	30
1,3-Dichlorobenzene	ug/m3	<2	<10	<2	<10	<10
Benzyl chloride	ug/m3	<2	<10	<2	<10	<10
1,4-Dichlorobenzene	ug/m3	9	18	5	6	<10
1,2-Dichlorobenzene	ug/m3	<2	<10	<2	<10	<10
1,2,4-Trichlorobenzene	ug/m3	<2	<10	<2	<10	<10
Naphthalene	ug/m3	16	27	7	12	13
Hexachloro-1,3-butadiene	ug/m3	<2	<10	<2	<10	<10
Surrogate-Bromochloromethane	% rec	81	78	80	74	77
Surrogate-1,4-Difluorobenzene	% rec	105	94	94	89	94
Surrogate-Chlorobenzene-D5	% rec	99	102	102	97	100

TO17 in TD tubes in ug/m3 Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	118385-24 SGP12 23/10/2014 TD Tube, Mi174069	118385-26 SGP04 24/10/2014 TD Tube, 223424	118385-27 QSV03 24/10/2014 TD Tube, 235979	118385-28 SGP04 24/10/2014 TD Tube, Mi174061	118385-29 QSV3 24/10/2014 TD Tube, Mi174062
Date analysed	-	01/11/2014	01/11/2014	01/11/2014	01/11/2014	01/11/2014
Propylene	µg/m^3	<2.0	<10	<10	<2.0	<2.0
Dichlorodifluoromethane	µg/m^3	<2.0	<10	<10	<2.0	<2.0
Chloromethane	ug/m3	<2	<10	<10	<2	<2
1,2-Dichlorotetrafluoroethane	ug/m3	<2	<10	<10	<2	<2
Vinyl chloride	ug/m3	<2	<10	<10	<2	<2
1,3-Butadiene	ug/m3	<2	<10	<10	<2	<2
Bromomethane	ug/m3	<2	<10	<10	<2	<2
Chloroethane	ug/m3	<2	<10	<10	<2	<2
Ethanol	ug/m3	<2	<10	<10	<2	<2
Acrolein	ug/m3	<2	<10	<10	<2	<2
Trichlorofluoromethane	ug/m3	<2	<10	<10	<2	<2
Isopropyl Alcohol	ug/m3	5600 #	3,300	2,500	760	600
1,1-Dichloroethene	ug/m3	<2	<10	<10	<2	<2
1,1,2-Trichlorotrifluoroethane	ug/m3	<2	<10	<10	<2	<2
Carbon Disulfide	ug/m3	24	50	64	10	4
trans-1,2-dichloroethene	ug/m3	<2	<10	<10	<2	<2
MTBE	ug/m3	<2	<10	<10	<2	<2
1,1-Dichloroethane	ug/m3	<2	<10	<10	<2	<2
Vinyl Acetate	ug/m3	<2	<10	<10	<2	<2
MEK	ug/m3	<2	<10	<10	<2	<2
Hexane	µg/m^3	36	130	140	24	7.6
cis-1,2-Dichloroethene	ug/m3	25	42	39	45	49
Ethyl Acetate	ug/m3	<2	<10	<10	<2	<2
Chloroform	ug/m3	12	11	15	20	21
Tetrahydrofuran	ug/m3	<2	<10	<10	<2	<2
1,1,1-Trichloroethane	ug/m3	<2	<10	<10	<2	<2
1,2-Dichloroethane	ug/m3	<2	<10	<10	<2	<2
Benzene	µg/m^3	54	180	100	33	26
Carbon tetrachloride	ug/m3	<2	<10	<10	<2	<2
Cyclohexane	µg/m^3	51	110	56	14	10
Heptane	µg/m^3	23	48	23	6.8	4.5
Trichloroethene	ug/m3	78	76	86	170	200
1,2-Dichloropropane	ug/m3	<2	<10	<10	<2	<2
1,4-Dioxane	ug/m3	<2	<10	<10	<2	<2
Bromodichloromethane	ug/m3	<2	<10	<10	<2	<2
Methyl Methacrylate	ug/m3	<2	<10	<10	<2	<2
MIBK	ug/m3	<2	<10	<10	<2	<2
cis-1,3-Dichloropropene	ug/m3	<2	<10	<10	<2	<2
trans-1,3-Dichloropropene	ug/m3	<2	<10	<10	<2	<2
Toluene	µg/m^3	12	39	23	13	11
1,1,2-Trichloroethane	ug/m3	<2	<10	<10	<2	<2

TO17 in TD tubes in ug/m3 Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	118385-24 SGP12 23/10/2014 TD Tube, Mi174069	118385-26 SGP04 24/10/2014 TD Tube, 223424	118385-27 QSV03 24/10/2014 TD Tube, 235979	118385-28 SGP04 24/10/2014 TD Tube, Mi174061	118385-29 QSV3 24/10/2014 TD Tube, Mi174062
Methyl Butyl Ketone	ug/m3	<2	<10	<10	<2	<2
Dibromochloromethane	ug/m3	<2	<10	<10	<2	<2
Tetrachloroethene	ug/m3	210	110	120	380	650
1,2-Dibromoethane	ug/m3	<2	<10	<10	<2	<2
Chlorobenzene	ug/m3	<2	<10	<10	<2	<2
Ethylbenzene	µg/m^3	3.0	<10	<10	2.1	2.0
m-& *p*-Xylene	µg/m^3	10	23	<10	6.3	6.0
Styrene	µg/m^3	<2.0	<10	<10	<2.0	<2.0
o-Xylene	µg/m^3	6.0	11	<10	3.2	2.9
Bromoform	ug/m3	<2	<10	<10	<2	<2
1,1,2,2-Tetrachloroethane	ug/m3	<2	<10	<10	<2	<2
4-ethyl toluene	µg/m^3	20	<10	<10	<2.0	<2.0
1,3,5-Trimethylbenzene	µg/m^3	<2.0	<10	<10	<2.0	<2.0
1,2,4-Trimethylbenzene	µg/m^3	29	48	23	16	14
1,3-Dichlorobenzene	ug/m3	<2	<10	<10	<2	<2
Benzyl chloride	ug/m3	<2	<10	<10	<2	<2
1,4-Dichlorobenzene	ug/m3	7	<10	<10	3	3
1,2-Dichlorobenzene	ug/m3	<2	<10	<10	<2	<2
1,2,4-Trichlorobenzene	ug/m3	<2	<10	<10	<2	<2
Naphthalene	ug/m3	10	<10	<10	6	5
Hexachloro-1,3-butadiene	ug/m3	<2	<10	<10	<2	<2
Surrogate-Bromochloromethane	% rec	81	87	78	83	83
Surrogate-1,4-Difluorobenzene	% rec	97	107	102	107	114
Surrogate-Chlorobenzene-D5	% rec	103	113	111	113	125

TO17 in TD tubes in ug/m3 Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	118385-33 SGP03 24/10/2014 TD Tube, 235968	118385-34 SGP03 24/10/2014 TD Tube, 235961	118385-36 SGP05-2.5 24/10/2014 TD Tube, 235962	118385-37 SGP05-2.5 24/10/2014 TD Tube, 235970	118385-39 SGP05-1.5 24/10/2014 TD Tube, 235965
Date analysed	-	01/11/2014	01/11/2014	01/11/2014	01/11/2014	01/11/2014
Propylene	µg/m^3	<10	<2.0	<10	<2.0	<10
Dichlorodifluoromethane	µg/m^3	<10	<2.0	<10	<2.0	<10
Chloromethane	ug/m3	<10	<2	<10	<2	<10
1,2-Dichlorotetrafluoroethane	ug/m3	<10	<2	<10	<2	<10
Vinyl chloride	ug/m3	<10	<2	<10	<2	<10
1,3-Butadiene	ug/m3	<10	<2	<10	<2	<10
Bromomethane	ug/m3	<10	<2	<10	<2	<10
Chloroethane	ug/m3	<10	<2	<10	<2	<10
Ethanol	ug/m3	<10	<2	<10	<2	<10
Acrolein	ug/m3	<10	<2	<10	<2	<10
Trichlorofluoromethane	ug/m3	<10	<2	<10	<2	<10
Isopropyl Alcohol	ug/m3	2,200	280	6000 #	800 #	3,200
1,1-Dichloroethene	ug/m3	<10	<2	<10	<2	<10
1,1,2-Trichlorotrifluoroethane	ug/m3	<10	<2	<10	<2	<10
Carbon Disulfide	ug/m3	27	10	78	20	39
trans-1,2-dichloroethene	ug/m3	<10	<2	<10	<2	<10
MTBE	ug/m3	<10	<2	<10	<2	<10
1,1-Dichloroethane	ug/m3	<10	<2	<10	<2	<10
Vinyl Acetate	ug/m3	<10	<2	<10	<2	<10
MEK	ug/m3	<10	<2	<10	<2	<10
Hexane	µg/m^3	60	25	170	32	85
cis-1,2-Dichloroethene	ug/m3	54	10	22	7	25
Ethyl Acetate	ug/m3	<10	<2	<10	<2	<10
Chloroform	ug/m3	21	14	<2	11	13
Tetrahydrofuran	ug/m3	<10	<2	<10	<2	<10
1,1,1-Trichloroethane	ug/m3	<10	<2	<10	<2	<10
1,2-Dichloroethane	ug/m3	<10	<2	<10	<2	<10
Benzene	µg/m^3	220	48	130	48	190
Carbon tetrachloride	ug/m3	<10	<2	<10	<2	<10
Cyclohexane	µg/m^3	110	19	72	17	82
Heptane	µg/m^3	32	6.3	18	5.8	27
Trichloroethene	ug/m3	240	71	74	210	220
1,2-Dichloropropane	ug/m3	<10	<2	<10	<2	<10
1,4-Dioxane	ug/m3	<10	<2	<10	<2	<10
Bromodichloromethane	ug/m3	<10	<2	<10	<2	<10
Methyl Methacrylate	ug/m3	<10	<2	<10	<2	<10
MIBK	ug/m3	<10	<2	<10	<2	<10
cis-1,3-Dichloropropene	ug/m3	<10	<2	<10	<2	<10
trans-1,3-Dichloropropene	ug/m3	<10	<2	<10	<2	<10
Toluene	µg/m^3	44	13	20	12	30
1,1,2-Trichloroethane	ug/m3	<10	<2	<10	<2	<10

TO17 in TD tubes in ug/m3 Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	118385-33 SGP03 24/10/2014 TD Tube, 235968	118385-34 SGP03 24/10/2014 TD Tube, 235961	118385-36 SGP05-2.5 24/10/2014 TD Tube, 235962	118385-37 SGP05-2.5 24/10/2014 TD Tube, 235970	118385-39 SGP05-1.5 24/10/2014 TD Tube, 235965
Methyl Butyl Ketone	ug/m3	<10	<2	<10	<2	<10
Dibromochloromethane	ug/m3	<10	<2	<10	<2	<10
Tetrachloroethene	ug/m3	1,500	5200 #	2,300	11000 #	13000 #
1,2-Dibromoethane	ug/m3	<10	<2	<10	<2	<10
Chlorobenzene	ug/m3	<10	<2	<10	<2	<10
Ethylbenzene	µg/m^3	<10	3.1	<10	2.7	<10
m-& *p*-Xylene	µg/m^3	28	9.5	13	8.4	20
Styrene	µg/m^3	<10	<2.0	<10	<2.0	<10
o-Xylene	µg/m^3	14	4.8	<10	4.2	<10
Bromoform	ug/m3	<10	<2	<10	<2	<10
1,1,2,2-Tetrachloroethane	ug/m3	<10	<2	<10	<2	<10
4-ethyl toluene	µg/m^3	<10	2.6	<10	2.2	<10
1,3,5-Trimethylbenzene	µg/m^3	<10	<2.0	<10	<2.0	<10
1,2,4-Trimethylbenzene	µg/m^3	63	24	24	21	43
1,3-Dichlorobenzene	ug/m3	<10	<2	<10	<2	<10
Benzyl chloride	ug/m3	<10	<2	<10	<2	<10
1,4-Dichlorobenzene	ug/m3	16	6	<10	5	11
1,2-Dichlorobenzene	ug/m3	<10	<2	<10	<2	<10
1,2,4-Trichlorobenzene	ug/m3	<10	<2	<10	<2	<10
Naphthalene	ug/m3	27	12	<10	7	18
Hexachloro- 1,3-butadiene	ug/m3	<10	<2	<10	<2	<10
Surrogate-Bromochloromethane	% rec	72	100	86	86	88
Surrogate-1,4-Difluorobenzene	% rec	112	100	91	84	84
Surrogate-Chlorobenzene-D5	% rec	121	100	89	85	82

TO17 in TD tubes in ug/m3 Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	118385-40 SGP05-1.5 24/10/2014 TD Tube, 235963	118385-42 SGP06 24/10/2014 TD Tube, 235967	118385-43 SGP06 24/10/2014 TD Tube, 235971	118385-47 SGP08 27/10/2014 TD Tube, 235964	118385-48 SGP08 27/10/2014 TD Tube, 235972
Date analysed	-	01/11/2014	01/11/2014	01/11/2014	01/11/2014	01/11/2014
Propylene	µg/m^3	<2.0	<10	<2.0	<10	<2.0
Dichlorodifluoromethane	µg/m^3	<2.0	<10	<2.0	<10	<2.0
Chloromethane	ug/m3	<2	<10	<2	<10	<2
1,2-Dichlorotetrafluoroethane	ug/m3	<2	<10	<2	<10	<2
Vinyl chloride	ug/m3	<2	<10	<2	<10	<2
1,3-Butadiene	ug/m3	<2	<10	<2	<10	<2
Bromomethane	ug/m3	<2	<10	<2	<10	<2
Chloroethane	ug/m3	<2	<10	<2	<10	<2
Ethanol	ug/m3	<2	<10	<2	<10	<2
Acrolein	ug/m3	<2	<10	<2	<10	<2
Trichlorofluoromethane	ug/m3	<2	<10	<2	<10	<2
Isopropyl Alcohol	ug/m3	630	2,600	150	9500 #	1400 #
1,1-Dichloroethene	ug/m3	<2	<10	<2	<10	<2
1,1,2-Trichlorotrifluoroethane	ug/m3	<2	<10	<2	<10	<2
Carbon Disulfide	ug/m3	11	39	7	16	13
trans-1,2-dichloroethene	ug/m3	<2	<10	<2	<10	<2
MTBE	ug/m3	<2	<10	<2	<10	<2
1,1-Dichloroethane	ug/m3	<2	<10	<2	<10	<2
Vinyl Acetate	ug/m3	<2	<10	<2	<10	<2
MEK	ug/m3	<2	<10	<2	<10	<2
Hexane	µg/m^3	34	91	16	<10	<2.0
cis-1,2-Dichloroethene	ug/m3	7	27	5	<10	<2
Ethyl Acetate	ug/m3	<2	<10	<2	<10	<2
Chloroform	ug/m3	9	11	3	<10	5
Tetrahydrofuran	ug/m3	<2	<10	<2	<10	<2
1,1,1-Trichloroethane	ug/m3	<2	<10	<2	<10	<2
1,2-Dichloroethane	ug/m3	<2	<10	<2	<10	<2
Benzene	µg/m^3	58	260	83	120	38
Carbon tetrachloride	ug/m3	<2	<10	<2	<10	<2
Cyclohexane	µg/m^3	19	100	23	38	8.9
Heptane	µg/m^3	7.5	31	8.7	13	4.1
Trichloroethene	ug/m3	180	210	72	32	160
1,2-Dichloropropane	ug/m3	<2	<10	<2	<10	<2
1,4-Dioxane	ug/m3	<2	<10	<2	<10	<2
Bromodichloromethane	ug/m3	<2	<10	<2	<10	<2
Methyl Methacrylate	ug/m3	<2	<10	<2	<10	<2
MIBK	ug/m3	<2	<10	2	<10	<2
cis-1,3-Dichloropropene	ug/m3	<2	<10	<2	<10	<2
trans-1,3-Dichloropropene	ug/m3	<2	<10	<2	<10	<2
Toluene	µg/m^3	14	41	17	69	32
1,1,2-Trichloroethane	ug/m3	<2	<10	<2	<10	<2

TO17 in TD tubes in ug/m3 Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	118385-40 SGP05-1.5 24/10/2014 TD Tube, 235963	118385-42 SGP06 24/10/2014 TD Tube, 235967	118385-43 SGP06 24/10/2014 TD Tube, 235971	118385-47 SGP08 27/10/2014 TD Tube, 235964	118385-48 SGP08 27/10/2014 TD Tube, 235972
Methyl Butyl Ketone	ug/m3	<2	<10	<2	<10	<2
Dibromochloromethane	ug/m3	<2	<10	<2	<10	<2
Tetrachloroethene	ug/m3	17000 #	20000 #	12000 #	1,200	2100 #
1,2-Dibromoethane	ug/m3	<2	<10	<2	<10	<2
Chlorobenzene	ug/m3	<2	<10	<2	<10	<2
Ethylbenzene	µg/m^3	3.7	11	5.3	12	6.2
m-& *p*-Xylene	µg/m^3	11	30	17	41	21
Styrene	µg/m^3	<2.0	<10	<2.0	<10	<2.0
o-Xylene	µg/m^3	5.8	16	9.2	13	7.1
Bromoform	ug/m3	<2	<10	<2	<10	<2
1,1,2,2-Tetrachloroethane	ug/m3	<2	<10	<2	<10	<2
4-ethyl toluene	µg/m^3	2.7	<10	6.9	<10	2.5
1,3,5-Trimethylbenzene	µg/m^3	<2.0	<10	<2.0	<10	<2.0
1,2,4-Trimethylbenzene	µg/m^3	25	72	53	28	16
1,3-Dichlorobenzene	ug/m3	<2	<10	<2	<10	<2
Benzyl chloride	ug/m3	<2	<10	<2	<10	<2
1,4-Dichlorobenzene	ug/m3	6	18	13	<10	<2
1,2-Dichlorobenzene	ug/m3	<2	<10	<2	<10	<2
1,2,4-Trichlorobenzene	ug/m3	<2	<10	<2	<10	<2
Naphthalene	ug/m3	9	36	24	23	9
Hexachloro- 1,3-butadiene	ug/m3	<2	<10	<2	<10	<2
Surrogate-Bromochloromethane	% rec	70	83	89	75	74
Surrogate-1,4-Difluorobenzene	% rec	66	81	85	72	74
Surrogate-Chlorobenzene-D5	% rec	64	79	83	66	74

TO17 in TD tubes in ug/m3 Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	118385-50 SGP07 27/10/2014 TD Tube, 235977	118385-51 SGP07 27/10/2014 TD Tube, 235966	118385-53 SGP01-2.0 27/10/2014 TD Tube, 235975	118385-54 SGP01-2.0 27/10/2014 TD Tube, 235973	118385-56 SGP01-0.5 27/10/2014 TD Tube, 235974
Date analysed	-	01/11/2014	01/11/2014	01/11/2014	01/11/2014	01/11/2014
Propylene	µg/m^3	<10	<2.0	<10	<2.0	<10
Dichlorodifluoromethane	µg/m^3	<10	<2.0	<10	<2.0	<10
Chloromethane	ug/m3	<10	<2	<10	<2	<10
1,2-Dichlorotetrafluoroethane	ug/m3	<10	<2	<10	<2	<10
Vinyl chloride	ug/m3	<10	<2	<10	<2	<10
1,3-Butadiene	ug/m3	<10	<2	<10	<2	<10
Bromomethane	ug/m3	<10	<2	<10	<2	<10
Chloroethane	ug/m3	<10	<2	<10	<2	<10
Ethanol	ug/m3	<10	<2	<10	<2	<10
Acrolein	ug/m3	<10	<2	<10	<2	<10
Trichlorofluoromethane	ug/m3	<10	<2	<10	<2	<10
Isopropyl Alcohol	ug/m3	5000 #	780 #	3200 #	820 #	2300 #
1,1-Dichloroethene	ug/m3	<10	<2	57	73	25
1,1,2-Trichlorotrifluoroethane	ug/m3	<10	<2	<10	<2	<10
Carbon Disulfide	ug/m3	44	15	70	6	54
trans-1,2-dichloroethene	ug/m3	<10	<2	200	350	170
MTBE	ug/m3	<10	<2	<10	<2	<10
1,1-Dichloroethane	ug/m3	<10	<2	<10	<2	<10
Vinyl Acetate	ug/m3	<10	<2	<10	<2	<10
MEK	ug/m3	<10	<2	<10	<2	<10
Hexane	µg/m^3	120	17	200	14	150
cis-1,2-Dichloroethene	ug/m3	<10	<2	22000 #	25000 #	31000 #
Ethyl Acetate	ug/m3	<10	<2	<10	<2	<10
Chloroform	ug/m3	<10	<2	43	88	55
Tetrahydrofuran	ug/m3	<10	<2	<10	<2	<10
1,1,1-Trichloroethane	ug/m3	<10	<2	<10	<2	<10
1,2-Dichloroethane	ug/m3	<10	<2	<10	<2	<10
Benzene	µg/m^3	88	19	63	24	49
Carbon tetrachloride	ug/m3	<10	<2	<10	<2	<10
Cyclohexane	µg/m^3	23	4.6	17	6.2	11
Heptane	µg/m^3	<10	2.1	<10	<2.0	<10
Trichloroethene	ug/m3	110	64	1,400	6900 #	5000 #
1,2-Dichloropropane	ug/m3	<10	<2	<10	<2	<10
1,4-Dioxane	ug/m3	<10	<2	<10	<2	<10
Bromodichloromethane	ug/m3	<10	<2	<10	<2	<10
Methyl Methacrylate	ug/m3	<10	<2	<10	<2	<10
MIBK	ug/m3	<10	<2	<10	<2	<10
cis-1,3-Dichloropropene	ug/m3	<10	<2	<10	<2	<10
trans-1,3-Dichloropropene	ug/m3	<10	<2	<10	<2	<10
Toluene	µg/m^3	55	18	38	17	26
1,1,2-Trichloroethane	ug/m3	<10	<2	<10	<2	<10

TO17 in TD tubes in ug/m3 Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	118385-50 SGP07 27/10/2014 TD Tube, 235977	118385-51 SGP07 27/10/2014 TD Tube, 235966	118385-53 SGP01-2.0 27/10/2014 TD Tube, 235975	118385-54 SGP01-2.0 27/10/2014 TD Tube, 235973	118385-56 SGP01-0.5 27/10/2014 TD Tube, 235974
Methyl Butyl Ketone	ug/m3	<10	<2	<10	<2	<10
Dibromochloromethane	ug/m3	<10	<2	<10	<2	<10
Tetrachloroethene	ug/m3	3,100	12000 #	16000 #	43000 #	58000 #
1,2-Dibromoethane	ug/m3	<10	<2	<10	<2	<10
Chlorobenzene	ug/m3	<10	<2	<10	<2	<10
Ethylbenzene	µg/m^3	11	4.5	<10	4.4	<10
m-& *p*-Xylene	µg/m^3	37	15	26	15	20
Styrene	µg/m^3	<10	<2.0	<10	<2.0	<10
o-Xylene	µg/m^3	12	5.3	<10	5.2	<10
Bromoform	ug/m3	<10	<2	<10	<2	<10
1,1,2,2-Tetrachloroethane	ug/m3	<10	<2	<10	<2	<10
4-ethyl toluene	µg/m^3	<10	<2.0	<10	<2.0	<10
1,3,5-Trimethylbenzene	µg/m^3	<10	<2.0	<10	<2.0	<10
1,2,4-Trimethylbenzene	µg/m^3	27	13	19	13	15
1,3-Dichlorobenzene	ug/m3	<10	<2	<10	<2	<10
Benzyl chloride	ug/m3	<10	<2	<10	<2	<10
1,4-Dichlorobenzene	ug/m3	<10	<2	<10	<2	<10
1,2-Dichlorobenzene	ug/m3	<10	<2	<10	<2	<10
1,2,4-Trichlorobenzene	ug/m3	<10	<2	<10	<2	<10
Naphthalene	ug/m3	17	8	14	7	13
Hexachloro- 1,3-butadiene	ug/m3	<10	<2	<10	<2	<10
Surrogate-Bromochloromethane	% rec	114	88	89	98	96
Surrogate-1,4-Difluorobenzene	% rec	116	86	91	93	96
Surrogate-Chlorobenzene-D5	% rec	115	87	93	94	97

TO17 in TD tubes in ug/m3 Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	118385-57 SGP01-0.5 27/10/2014 TD Tube, 235969
Date analysed	-	01/11/2014
Propylene	µg/m^3	<2.0
Dichlorodifluoromethane	µg/m^3	<2.0
Chloromethane	ug/m3	<2
1,2-Dichlorotetrafluoroethane	ug/m3	<2
Vinyl chloride	ug/m3	<2
1,3-Butadiene	ug/m3	<2
Bromomethane	ug/m3	<2
Chloroethane	ug/m3	<2
Ethanol	ug/m3	<2
Acrolein	ug/m3	<2
Trichlorofluoromethane	ug/m3	<2
Isopropyl Alcohol	ug/m3	950 #
1,1-Dichloroethene	ug/m3	18
1,1,2-Trichlorotrifluoroethane	ug/m3	<2
Carbon Disulfide	ug/m3	4
trans-1,2-dichloroethene	ug/m3	120
MTBE	ug/m3	<2
1,1- Dichloroethane	ug/m3	<2
Vinyl Acetate	ug/m3	<2
MEK	ug/m3	<2
Hexane	µg/m^3	8.0
cis-1,2-Dichloroethene	ug/m3	20000 #
Ethyl Acetate	ug/m3	<2
Chloroform	ug/m3	48
Tetrahydrofuran	ug/m3	<2
1,1,1-Trichloroethane	ug/m3	<2
1,2-Dichloroethane	ug/m3	<2
Benzene	µg/m^3	18
Carbon tetrachloride	ug/m3	<2
Cyclohexane	µg/m^3	4.1
Heptane	µg/m^3	<2.0
Trichloroethene	ug/m3	4100 #
1,2-Dichloropropane	ug/m3	<2
1,4-Dioxane	ug/m3	<2
Bromodichloromethane	ug/m3	<2
Methyl Methacrylate	ug/m3	<2
MIBK	ug/m3	<2
cis-1,3-Dichloropropene	ug/m3	<2
trans-1,3-Dichloropropene	ug/m3	<2
Toluene	µg/m^3	12
1,1,2-Trichloroethane	ug/m3	<2

TO17 in TD tubes in ug/m3 Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	118385-57 SGP01-0.5 27/10/2014 TD Tube, 235969
Methyl Butyl Ketone	ug/m3	<2
Dibromochloromethane	ug/m3	<2
Tetrachloroethene	ug/m3	49000 #
1,2-Dibromoethane	ug/m3	<2
Chlorobenzene	ug/m3	<2
Ethylbenzene	µg/m^3	3.5
m-& *p*-Xylene	µg/m^3	13
Styrene	µg/m^3	<2.0
o-Xylene	µg/m^3	4.3
Bromoform	ug/m3	<2
1,1,2,2-Tetrachloroethane	ug/m3	<2
4-ethyl toluene	µg/m^3	<2.0
1,3,5-Trimethylbenzene	µg/m^3	<2.0
1,2,4-Trimethylbenzene	µg/m^3	11
1,3-Dichlorobenzene	ug/m3	<2
Benzyl chloride	ug/m3	<2
1,4-Dichlorobenzene	ug/m3	<2
1,2-Dichlorobenzene	ug/m3	<2
1,2,4-Trichlorobenzene	ug/m3	<2
Naphthalene	ug/m3	7
Hexachloro- 1,3-butadiene	ug/m3	<2
Surrogate-Bromochloromethane	% rec	81
Surrogate-1,4-Difluorobenzene	% rec	85
Surrogate-Chlorobenzene-D5	% rec	85

TPH in tubes in ug/m3 Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	118385-1 SGP13 - 1.5 23/10/2014 TD Tube, 223426	118385-2 SGP13 - 1.5 23/10/2014 TD Tube, 222987	118385-4 SGP13-2.5 23/10/2014 TD Tube, 222951	118385-5 SGP13-2.5 23/10/2014 TD Tube, 222988	118385-8 SGP09 23/10/2014 TD Tube, 222984
Date analysed	-	01/11/2014	01/11/2014	01/11/2014	01/11/2014	01/11/2014
TPHC5 - C6 Aliphatic	µg/m3	<300	110	360	100	2,400
TPH>C6 - C8 Aliphatic	µg/m3	<500	<100	<500	<100	4,300
TPH>C8 - C10 Aliphatic	µg/m3	200	52	160	46	290
TPH>C10 - C12 Aliphatic	µg/m3	210	52	<100	58	320
TPH>C12 - C16 Aliphatic	µg/m3	<500	150	<500	130	830
TPHC5 - C7 Aromatic	µg/m3	<50	<10	<50	13	130
TPH>C7 - C8 Aromatic Toluene	µg/m3	63	14	<50	16	58
TPH>C8 - C10 Aromatic	µg/m3	<500	<100	<500	<100	<500
TPH>C10 - C12 Aromatic	µg/m3	<200	49	<200	47	<200
TPH>C12 - C16 Aromatic	µg/m3	<200	<40	<200	<40	<200
TPHC6 - C10 - BTEX (F1)	µg/m3	<1,400	<280	<1,400	<280	5,100
TPH>C10 - C16 - Naphthalene (F2)	µg/m3	<900	280	<900	240	1,600

TPH in tubes in ug/m3 Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	118385-9 QSV1 23/10/2014 TD Tube, 222985	118385-10 SGP09 23/10/2014 TD Tube, 222983	118385-11 QSV1 23/10/2014 TD Tube, 223430	118385-14 SGP11-2.5 23/10/2014 TD tube, Mi174070	118385-15 SGP10 23/10/2014 TD Tube, 223423
Date analysed	-	01/11/2014	01/11/2014	01/11/2014	01/11/2014	01/11/2014
TPHC5 - C6 Aliphatic	µg/m3	3,100	3,400	4,100	110	1,900
TPH>C6 - C8 Aliphatic	µg/m3	6,100	9,400	11000 #	410	3,800
TPH>C8 - C10 Aliphatic	µg/m3	290	370	480	120	590
TPH>C10 - C12 Aliphatic	µg/m3	240	260	340	410	810
TPH>C12 - C16 Aliphatic	µg/m3	<500	280	370	230	850
TPHC5 - C7 Aromatic	µg/m3	160	240	300	45	300
TPH>C7 - C8 Aromatic Toluene	µg/m3	<50	20	22	11	64
TPH>C8 - C10 Aromatic	µg/m3	<500	<100	<100	<100	<500
TPH>C10 - C12 Aromatic	µg/m3	<200	92	110	70	270
TPH>C12 - C16 Aromatic	µg/m3	<100	<40	<40	<40	<200
TPHC6 - C10 - BTEX (F1)	µg/m3	7,200	10000 #	13000 #	700	5,100
TPH>C10 - C16 - Naphthalene (F2)	µg/m3	<900	1,100	1,700	1,400	3,100

TPH in tubes in ug/m3 Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	118385-16 SGP10 23/10/2014 TD Tube, 223425	118385-18 SGP11-1.5 23/10/2014 TD Tube, Mi174068	118385-19 SGP11-1.5 23/10/2014 TD Tube, 235980	118385-21 SGP11-2.5 23/10/2014 TD Tube, Mi174063	118385-23 SGP12 23/10/2014 TD Tube, 235978
Date analysed	-	01/11/2014	01/11/2014	01/11/2014	01/11/2014	01/11/2014
TPH C_5 - C_6 Aliphatic	µg/m^3	200	450	170	<300	480
TPH>C_6 - C_8 Aliphatic	µg/m^3	950	2,300	380	860	900
TPH>C_8 - C_{10} Aliphatic	µg/m^3	230	370	83	130	170
TPH>C_{10} - C_{12} Aliphatic	µg/m^3	530	1,100	340	380	490
TPH>C_{12} - C_{16} Aliphatic	µg/m^3	480	920	210	<500	<500
TPH C_5 - C_7 Aromatic	µg/m^3	63	300	38	99	120
TPH>C_7 - C_8 Aromatic Toluene	µg/m^3	18	57	11	<50	<50
TPH>C_8 - C_{10} Aromatic	µg/m^3	<100	<500	<100	<500	<500
TPH>C_{10} - C_{12} Aromatic	µg/m^3	110	280	71	<200	<200
TPH>C_{12} - C_{16} Aromatic	µg/m^3	<40	<200	<40	<200	<200
TPH C_6 - C_{10} - BTEX (F1)	µg/m^3	1,400	3,500	690	<1,400	1,500
TPH>C_{10} - C_{16} - Naphthalene (F2)	µg/m^3	2,000	3,900	1,200	1,200	1,700

TPH in tubes in ug/m3 Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	118385-24 SGP12 23/10/2014 TD Tube, Mi174069	118385-26 SGP04 24/10/2014 TD Tube, 223424	118385-27 QSV03 24/10/2014 TD Tube, 235979	118385-28 SGP04 24/10/2014 TD Tube, Mi174061	118385-29 QSV3 24/10/2014 TD Tube, Mi174062
Date analysed	-	01/11/2014	01/11/2014	01/11/2014	01/11/2014	01/11/2014
TPH C_5 - C_6 Aliphatic	µg/m^3	530	510	630	170	81
TPH>C_6 - C_8 Aliphatic	µg/m^3	340	920	580	180	180
TPH>C_8 - C_{10} Aliphatic	µg/m^3	100	230	150	84	110
TPH>C_{10} - C_{12} Aliphatic	µg/m^3	530	640	290	190	220
TPH>C_{12} - C_{16} Aliphatic	µg/m^3	320	1,500	1,200	370	520
TPH C_5 - C_7 Aromatic	µg/m^3	56	200	100	36	26
TPH>C_7 - C_8 Aromatic Toluene	µg/m^3	14	63	<50	15	13
TPH>C_8 - C_{10} Aromatic	µg/m^3	<100	<500	<500	<100	<100
TPH>C_{10} - C_{12} Aromatic	µg/m^3	100	250	<200	66	66
TPH>C_{12} - C_{16} Aromatic	µg/m^3	<40	<200	<200	<40	<40
TPH C_6 - C_{10} - BTEX (F1)	µg/m^3	670	1,500	<1,400	440	490
TPH>C_{10} - C_{16} - Naphthalene (F2)	µg/m^3	1,800	2,200	1,800	870	1,100

TPH in tubes in ug/m3 Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	118385-33 SGP03 24/10/2014 TD Tube, 235968	118385-34 SGP03 24/10/2014 TD Tube, 235961	118385-36 SGP05-2.5 24/10/2014 TD Tube, 235962	118385-37 SGP05-2.5 24/10/2014 TD Tube, 235970	118385-39 SGP05-1.5 24/10/2014 TD Tube, 235965
Date analysed	-	01/11/2014	01/11/2014	01/11/2014	01/11/2014	01/11/2014
$TPHC_5$ - C_6 Aliphatic	$\mu g/m^3$	<300	190	840	140	460
$TPH>C_6$ - C_8 Aliphatic	$\mu g/m^3$	760	190	580	210	600
$TPH>C_8$ - C_{10} Aliphatic	$\mu g/m^3$	350	670	440	1,100	1,400
$TPH>C_{10}$ - C_{12} Aliphatic	$\mu g/m^3$	990	490	400	480	920
$TPH>C_{12}$ - C_{16} Aliphatic	$\mu g/m^3$	2,700	470	400	230	<500
$TPHC_5$ - C_7 Aromatic	$\mu g/m^3$	210	50	140	49	190
$TPH>C_7$ - C_8 Aromatic Toluene	$\mu g/m^3$	58	16	<50	16	<50
$TPH>C_8$ - C_{10} Aromatic	$\mu g/m^3$	<500	<100	<500	<100	<500
$TPH>C_{10}$ - C_{12} Aromatic	$\mu g/m^3$	300	130	<200	100	220
$TPH>C_{12}$ - C_{16} Aromatic	$\mu g/m^3$	<200	<40	<200	<40	<200
$TPHC_6$ - C_{10} - BTEX (F1)	$\mu g/m^3$	1,800	1,700	1,900	3,000	4,500
$TPH>C_{10}$ - C_{16} - Naphthalene (F2)	$\mu g/m^3$	5,400	1,900	1,400	1,600	2,900

TPH in tubes in ug/m3 Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	118385-40 SGP05-1.5 24/10/2014 TD Tube, 235963	118385-42 SGP06 24/10/2014 TD Tube, 235967	118385-43 SGP06 24/10/2014 TD Tube, 235971	118385-47 SGP08 27/10/2014 TD Tube, 235964	118385-48 SGP08 27/10/2014 TD Tube, 235972
Date analysed	-	01/11/2014	01/11/2014	01/11/2014	01/11/2014	01/11/2014
$TPHC_5$ - C_6 Aliphatic	$\mu g/m^3$	300	500	260	<300	140
$TPH>C_6$ - C_8 Aliphatic	$\mu g/m^3$	290	790	270	<500	200
$TPH>C_8$ - C_{10} Aliphatic	$\mu g/m^3$	1,600	2,100	1,200	230	240
$TPH>C_{10}$ - C_{12} Aliphatic	$\mu g/m^3$	940	2,300	2,200	400	270
$TPH>C_{12}$ - C_{16} Aliphatic	$\mu g/m^3$	320	2,300	1,400	520	260
$TPHC_5$ - C_7 Aromatic	$\mu g/m^3$	63	280	85	120	38
$TPH>C_7$ - C_8 Aromatic Toluene	$\mu g/m^3$	21	58	18	80	29
$TPH>C_8$ - C_{10} Aromatic	$\mu g/m^3$	<100	<500	<100	<500	<100
$TPH>C_{10}$ - C_{12} Aromatic	$\mu g/m^3$	130	360	290	<200	76
$TPH>C_{12}$ - C_{16} Aromatic	$\mu g/m^3$	<40	<40	<40	<200	<40
$TPHC_6$ - C_{10} - BTEX (F1)	$\mu g/m^3$	4,500	6,500	3,500	<1,400	900
$TPH>C_{10}$ - C_{16} - Naphthalene (F2)	$\mu g/m^3$	3,000	8,600	8,100	1,500	1,100

TPH in tubes in ug/m3 Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	118385-50 SGP07 27/10/2014 TD Tube, 235977	118385-51 SGP07 27/10/2014 TD Tube, 235966	118385-53 SGP01-2.0 27/10/2014 TD Tube, 235975	118385-54 SGP01-2.0 27/10/2014 TD Tube, 235973	118385-56 SGP01-0.5 27/10/2014 TD Tube, 235974
Date analysed	-	01/11/2014	01/11/2014	01/11/2014	01/11/2014	01/11/2014
TPH C_5 - C_6 Aliphatic	µg/m^3	1,800	140	1,100	630	850
TPH>C_6 - C_8 Aliphatic	µg/m^3	<500	110	7,300	20000 #	11,000
TPH>C_8 - C_{10} Aliphatic	µg/m^3	440	1,100	1,700	6,500	5,600
TPH>C_{10} - C_{12} Aliphatic	µg/m^3	480	210	340	280	30
TPH>C_{12} - C_{16} Aliphatic	µg/m^3	<500	200	<500	250	<500
TPH C_5 - C_7 Aromatic	µg/m^3	88	18	54	24	<50
TPH>C_7 - C_8 Aromatic Toluene	µg/m^3	61	14	<50	24	<50
TPH>C_8 - C_{10} Aromatic	µg/m^3	<500	<100	<500	<100	<500
TPH>C_{10} - C_{12} Aromatic	µg/m^3	<200	62	<200	84	<200
TPH>C_{12} - C_{16} Aromatic	µg/m^3	<200	<40	<200	<40	<200
TPH C_6 - C_{10} - BTEX (F1)	µg/m^3	1,700	3,100	11,000	35000 #	25,000
TPH>C_{10} - C_{16} - Naphthalene (F2)	µg/m^3	1,600	760	1,300	1,300	1,000

TPH in tubes in ug/m3 Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	118385-57 SGP01-0.5 27/10/2014 TD Tube, 235969
Date analysed	-	01/11/2014
TPH C_5 - C_6 Aliphatic	µg/m^3	110
TPH>C_6 - C_8 Aliphatic	µg/m^3	7,100
TPH>C_8 - C_{10} Aliphatic	µg/m^3	5,700
TPH>C_{10} - C_{12} Aliphatic	µg/m^3	170
TPH>C_{12} - C_{16} Aliphatic	µg/m^3	150
TPH C_5 - C_7 Aromatic	µg/m^3	16
TPH>C_7 - C_8 Aromatic Toluene	µg/m^3	15
TPH>C_8 - C_{10} Aromatic	µg/m^3	<100
TPH>C_{10} - C_{12} Aromatic	µg/m^3	49
TPH>C_{12} - C_{16} Aromatic	µg/m^3	<40
TPH C_6 - C_{10} - BTEX (F1)	µg/m^3	21000 #
TPH>C_{10} - C_{16} - Naphthalene (F2)	µg/m^3	600

TPH in Tubes in ng/tube Aliphatic/Aromat						
Our Reference:	UNITS	118385-1	118385-2	118385-4	118385-5	118385-8
Your Reference	----------	SGP13 - 1.5	SGP13 - 1.5	SGP13-2.5	SGP13-2.5	SGP09
Date Sampled	----------	23/10/2014	23/10/2014	23/10/2014	23/10/2014	23/10/2014
Type of sample		TD Tube, 223426	TD Tube, 222987	TD Tube, 222951	TD Tube, 222988	TD Tube, 222984
Date analysed	-	01/11/2014	01/11/2014	01/11/2014	01/11/2014	01/11/2014
TPHC5 - C6 Aliphatic	ng/tube	<30	56	36	52	240
TPH>C6 - C8 Aliphatic	ng/tube	<50	<50	<50	<50	430
TPH>C8 - C10 Aliphatic	ng/tube	20	26	16	23	29
TPH>C10 - C12 Aliphatic	ng/tube	21	26	<10	29	32
TPH>C12 - C16 Aliphatic	ng/tube	<50	77	<50	65	83
TPHC5 - C7 Aromatic (Benzene)	ng/tube	<5	<5	<5	6.5	13
TPH>C7 - C8 Aromatic (Toluene)	ng/tube	6.3	7.0	<5	7.9	5.8
TPH>C8 - C10 Aromatic	ng/tube	<50	<50	<50	<50	<50
TPH>C10 - C12 Aromatic	ng/tube	<20	24	<20	23	<20
TPH>C12 - C16 Aromatic	ng/tube	<20	<20	<20	<20	<20
TPHC6 - C10 - BTEX (F1)	ng/tube	<100	<100	<100	<100	510
TPH>C10 - C16 - Naphthalene (F2)	ng/tube	<90	100	<90	100	200

TPH in Tubes in ng/tube Aliphatic/Aromat						
Our Reference:	UNITS	118385-9	118385-10	118385-11	118385-14	118385-15
Your Reference	----------	QSV1	SGP09	QSV1	SGP11-2.5	SGP10
Date Sampled	----------	23/10/2014	23/10/2014	23/10/2014	23/10/2014	23/10/2014
Type of sample		TD Tube, 222985	TD Tube, 222983	TD Tube, 223430	TD tube, Mi174070	TD Tube, 223423
Date analysed	-	01/11/2014	01/11/2014	01/11/2014	01/11/2014	01/11/2014
TPHC5 - C6 Aliphatic	ng/tube	310	1,700	2,100	55	190
TPH>C6 - C8 Aliphatic	ng/tube	610	4,700	5600 #	200	380
TPH>C8 - C10 Aliphatic	ng/tube	29	180	240	59	59
TPH>C10 - C12 Aliphatic	ng/tube	24	130	170	210	81
TPH>C12 - C16 Aliphatic	ng/tube	<50	140	180	110	85
TPHC5 - C7 Aromatic (Benzene)	ng/tube	<5	120	150	23	30
TPH>C7 - C8 Aromatic (Toluene)	ng/tube	<5	10	11	5.4	6.4
TPH>C8 - C10 Aromatic	ng/tube	<50	<50	<50	<50	<50
TPH>C10 - C12 Aromatic	ng/tube	<20	46	55	35	27
TPH>C12 - C16 Aromatic	ng/tube	<20	<20	<20	<20	<20
TPHC6 - C10 - BTEX (F1)	ng/tube	720	5000 #	6300 #	400	510
TPH>C10 - C16 - Naphthalene (F2)	ng/tube	<90	540	850	690	300

TPH in Tubes in ng/tube Aliphatic/Aromat						
Our Reference:	UNITS	118385-16	118385-18	118385-19	118385-21	118385-23
Your Reference	----------	SGP10	SGP11-1.5	SGP11-1.5	SGP11-2.5	SGP12
Date Sampled	----------	23/10/2014	23/10/2014	23/10/2014	23/10/2014	23/10/2014
Type of sample		TD Tube, 223425	TD Tube, Mi174068	TD Tube, 235980	TD Tube, Mi174063	TD Tube, 235978
Date analysed	-	01/11/2014	01/11/2014	01/11/2014	01/11/2014	01/11/2014
TPHC5 - C6 Aliphatic	ng/tube	99	45	85	<30	48
TPH>C6 - C8 Aliphatic	ng/tube	470	230	190	86	90
TPH>C8 - C10 Aliphatic	ng/tube	120	37	42	13	17
TPH>C10 - C12 Aliphatic	ng/tube	260	110	170	38	49
TPH>C12 - C16 Aliphatic	ng/tube	240	92	110	<50	<50
TPHC5 - C7 Aromatic (Benzene)	ng/tube	31	30	19	9.9	12
TPH>C7 - C8 Aromatic (Toluene)	ng/tube	8.8	5.7	5.5	<5	<5
TPH>C8 - C10 Aromatic	ng/tube	<50	<50	<50	<50	<50
TPH>C10 - C12 Aromatic	ng/tube	57	28	36	<20	<20
TPH>C12 - C16 Aromatic	ng/tube	<20	<20	<20	<20	<20
TPHC6 - C10 - BTEX (F1)	ng/tube	710	300	300	<100	200
TPH>C10 - C16 - Naphthalene (F2)	ng/tube	1,000	400	600	100	200

TPH in Tubes in ng/tube Aliphatic/Aromat						
Our Reference:	UNITS	118385-24	118385-26	118385-27	118385-28	118385-29
Your Reference	----------	SGP12	SGP04	QSV03	SGP04	QSV3
Date Sampled	----------	23/10/2014	24/10/2014	24/10/2014	24/10/2014	24/10/2014
Type of sample		TD Tube, Mi174069	TD Tube, 223424	TD Tube, 235979	TD Tube, Mi174061	TD Tube, Mi174062
Date analysed	-	01/11/2014	01/11/2014	01/11/2014	01/11/2014	01/11/2014
TPHC5 - C6 Aliphatic	ng/tube	260	51	63	83	41
TPH>C6 - C8 Aliphatic	ng/tube	170	92	58	88	80
TPH>C8 - C10 Aliphatic	ng/tube	51	23	15	42	54
TPH>C10 - C12 Aliphatic	ng/tube	260	64	29	94	110
TPH>C12 - C16 Aliphatic	ng/tube	160	150	120	180	260
TPHC5 - C7 Aromatic (Benzene)	ng/tube	28	20	10	18	13
TPH>C7 - C8 Aromatic (Toluene)	ng/tube	7.0	6.3	<5	7.5	6.8
TPH>C8 - C10 Aromatic	ng/tube	<50	<50	<50	<50	<50
TPH>C10 - C12 Aromatic	ng/tube	51	25	<20	33	33
TPH>C12 - C16 Aromatic	ng/tube	<20	<20	<20	<20	<20
TPHC6 - C10 - BTEX (F1)	ng/tube	200	200	<100	200	200
TPH>C10 - C16 - Naphthalene (F2)	ng/tube	920	200	200	400	540

TPH in Tubes in ng/tube Aliphatic/Aromat						
Our Reference:	UNITS	118385-33	118385-34	118385-36	118385-37	118385-39
Your Reference	----------	SGP03	SGP03	SGP05-2.5	SGP05-2.5	SGP05-1.5
Date Sampled	----------	24/10/2014	24/10/2014	24/10/2014	24/10/2014	24/10/2014
Type of sample		TD Tube, 235968	TD Tube, 235961	TD Tube, 235962	TD Tube, 235970	TD Tube, 235965
Date analysed	-	01/11/2014	01/11/2014	01/11/2014	01/11/2014	01/11/2014
$TPHC_5$ - C_6 Aliphatic	ng/tube	<30	96	84	72	46
$TPH>C_6$ - C_8 Aliphatic	ng/tube	76	93	58	100	60
$TPH>C_8$ - C_{10} Aliphatic	ng/tube	35	330	44	530	140
$TPH>C_{10}$ - C_{12} Aliphatic	ng/tube	99	250	40	240	92
$TPH>C_{12}$ - C_{16} Aliphatic	ng/tube	270	240	<50	120	<50
$TPHC_5$ - C_7 Aromatic (Benzene)	ng/tube	21	25	14	24	19
$TPH>C_7$ - C_8 Aromatic (Toluene)	ng/tube	5.8	7.9	<5	8.1	<5
$TPH>C_8$ - C_{10} Aromatic	ng/tube	<50	<50	<50	<50	<50
$TPH>C_{10}$ - C_{12} Aromatic	ng/tube	30	64	<20	<20	22
$TPH>C_{12}$ - C_{16} Aromatic	ng/tube	<20	<20	<20	<20	<20
$TPHC_6$ - C_{10} - BTEX (F1)	ng/tube	200	850	200	1,500	400
$TPH>C_{10}$ - C_{16} - Naphthalene (F2)	ng/tube	540	960	100	820	300

TPH in Tubes in ng/tube Aliphatic/Aromat						
Our Reference:	UNITS	118385-40	118385-42	118385-43	118385-45	118385-47
Your Reference	----------	SGP05-1.5	SGP06	SGP06	TB1	SGP08
Date Sampled	----------	24/10/2014	24/10/2014	24/10/2014	24/10/2014	27/10/2014
Type of sample		TD Tube, 235963	TD Tube, 235967	TD Tube, 235971	TD Tube, 222989	TD Tube, 235964
Date analysed	-	01/11/2014	01/11/2014	01/11/2014	01/11/2014	01/11/2014
$TPHC_5$ - C_6 Aliphatic	ng/tube	150	50	130	<30	<30
$TPH>C_6$ - C_8 Aliphatic	ng/tube	140	79	140	<50	<50
$TPH>C_8$ - C_{10} Aliphatic	ng/tube	810	210	610	<10	23
$TPH>C_{10}$ - C_{12} Aliphatic	ng/tube	470	230	1,100	<10	40
$TPH>C_{12}$ - C_{16} Aliphatic	ng/tube	160	230	720	<50	52
$TPHC_5$ - C_7 Aromatic (Benzene)	ng/tube	32	28	43	<5	12
$TPH>C_7$ - C_8 Aromatic (Toluene)	ng/tube	10	5.8	8.9	<5	8.0
$TPH>C_8$ - C_{10} Aromatic	ng/tube	<50	<50	<50	<50	<50
$TPH>C_{10}$ - C_{12} Aromatic	ng/tube	67	36	150	<20	<20
$TPH>C_{12}$ - C_{16} Aromatic	ng/tube	<20	<20	<20	<20	<20
$TPHC_6$ - C_{10} - BTEX (F1)	ng/tube	2,200	650	1,800	<100	<100
$TPH>C_{10}$ - C_{16} - Naphthalene (F2)	ng/tube	1,500	860	4,000	<90	200

TPH in Tubes in ng/tube Aliphatic/Aromat						
Our Reference:	UNITS	118385-48	118385-50	118385-51	118385-53	118385-54
Your Reference	----------	SGP08	SGP07	SGP07	SGP01-2.0	SGP01-2.0
Date Sampled	----------	27/10/2014	27/10/2014	27/10/2014	27/10/2014	27/10/2014
Type of sample		TD Tube, 235972	TD Tube, 235977	TD Tube, 235966	TD Tube, 235975	TD Tube, 235973
Date analysed	-	01/11/2014	01/11/2014	01/11/2014	01/11/2014	01/11/2014
$TPHC_5$ - C_6 Aliphatic	ng/tube	71	180	68	110	310
$TPH>C_6$ - C_8 Aliphatic	ng/tube	99	<50	58	730	10000 #
$TPH>C_8$ - C_{10} Aliphatic	ng/tube	120	44	570	170	3,300
$TPH>C_{10}$ - C_{12} Aliphatic	ng/tube	140	48	110	34	140
$TPH>C_{12}$ - C_{16} Aliphatic	ng/tube	130	<50	99	<50	120
$TPHC_5$ - C_7 Aromatic (Benzene)	ng/tube	19	8.8	9.2	5.4	12
$TPH>C_7$ - C_8 Aromatic (Toluene)	ng/tube	14	6.1	7.2	<5	12
$TPH>C_8$ - C_{10} Aromatic	ng/tube	<50	<50	<50	<50	<50
$TPH>C_{10}$ - C_{12} Aromatic	ng/tube	38	<20	31	<20	42
$TPH>C_{12}$ - C_{16} Aromatic	ng/tube	<20	<20	<20	<20	<20
$TPHC_6$ - C_{10} - BTEX (F1)	ng/tube	500	200	1,600	1,100	18000 #
$TPH>C_{10}$ - C_{16} - Naphthalene (F2)	ng/tube	530	200	400	100	500

TPH in Tubes in ng/tube Aliphatic/Aromat			
Our Reference:	UNITS	118385-56	118385-57
Your Reference	----------	SGP01-0.5	SGP01-0.5
Date Sampled	----------	27/10/2014	27/10/2014
Type of sample		TD Tube, 235974	TD Tube, 235969
Date analysed	-	01/11/2014	01/11/2014
$TPHC_5$ - C_6 Aliphatic	ng/tube	85	53
$TPH>C_6$ - C_8 Aliphatic	ng/tube	1,100	3,600
$TPH>C_8$ - C_{10} Aliphatic	ng/tube	560	2,900
$TPH>C_{10}$ - C_{12} Aliphatic	ng/tube	30	87
$TPH>C_{12}$ - C_{16} Aliphatic	ng/tube	<50	73
$TPHC_5$ - C_7 Aromatic (Benzene)	ng/tube	<5	7.9
$TPH>C_7$ - C_8 Aromatic (Toluene)	ng/tube	<5	7.5
$TPH>C_8$ - C_{10} Aromatic	ng/tube	<50	<50
$TPH>C_{10}$ - C_{12} Aromatic	ng/tube	<20	24
$TPH>C_{12}$ - C_{16} Aromatic	ng/tube	<20	<20
$TPHC_6$ - C_{10} - BTEX (F1)	ng/tube	2,500	11000 #
$TPH>C_{10}$ - C_{16} - Naphthalene (F2)	ng/tube	100	300

VOC in Carbon tubes				
Our Reference:	UNITS	118385-7	118385-32	118385-59
Your Reference	----------	LT1	LT2	LT3
Date Sampled	----------	23/10/2014	24/10/2014	27/10/2014
Type of sample		carbon tube	carbon tube	carbon tube
Date prepared	-	23/10/2014	23/10/2014	23/10/2014
Date analysed	-	23/10/2014	23/10/2014	23/10/2014
Isopropyl Alcohol	µg/tube	75	1,200	450

VOC in Carbon tubes Our Reference: Your Reference Date Sampled Type of sample	UNITS ---------- ----------	118385-7 LT1 23/10/2014 carbon tube	118385-32 LT2 24/10/2014 carbon tube	118385-59 LT3 27/10/2014 carbon tube
Date analysed	-	23/10/2014	23/10/2014	23/10/2014
Date Extracted	-	23/10/2014	23/10/2014	23/10/2014
Tube Sampling rate	mL/min	100	100	102
Tube Sampling Time	mins	0.5	1.0	0.5
Volume sampled	m^3	0.00005	0.00010	0.00005
Isopropyl Alcohol	$\mu g/m^3$	1,500,000	12,000,000	9,000,000

Method ID	Methodology Summary
TO17	USEPA TO17 - Analysis of VOC's in air following USEPA TO17 protocols
AT-005	Measurement of Air-Phase Petroleum Hydrocarbons and Ozone Precursors by GC/MS
TO15	USEPA TO15 - Analysis of VOC's in air following USEPA TO15 protocols
AT-008	Determination of volatile organic compounds in charcoal tubes/badges/sorbents using CS2 extraction, based on NIOSH methods. Note where µg/m^3 results are supplied for SKC badges, the factors used are for 575-001, if 575-001 data is unavailable for an analyte then use 575-002 then 575-003 (exposure time must be supplied).

QUALITY CONTROL TO17 in TD tubes	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results Base II Duplicate II %RPD	Spike Sm#	Spike % Recovery
Propylene	ng/tube	1	TO17	<1	[NT]	[NT]	LCS-1	101%
Dichlorodifluoromethane	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Chloromethane	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
1,2-Dichlorotetrafluoroethane	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Vinyl chloride	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
1,3-Butadiene	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Bromomethane	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Chloroethane	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Ethanol	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Acrolein	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Trichlorofluoromethane	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Isopropyl Alcohol	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
1,1-Dichloroethene	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
1,1,2-Trichlorotrifluoroethane	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Carbon Disulfide	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
trans-1,2-dichloroethene	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
MTBE	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
1,1- Dichloroethane	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Vinyl Acetate	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
MEK	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Hexane	ng/tube	1	TO17	<1	[NT]	[NT]	LCS-1	93%
cis-1,2-Dichloroethene	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Ethyl Acetate	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Chloroform	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Tetrahydrofuran	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
1,1,1-Trichloroethane	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
1,2-Dichloroethane	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Benzene	ng/tube	1	TO17	<1	[NT]	[NT]	LCS-1	99%
Carbon tetrachloride	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Cyclohexane	ng/tube	1	TO17	<1	[NT]	[NT]	LCS-1	95%
Heptane	ng/tube	1	TO17	<1	[NT]	[NT]	LCS-1	92%
Trichloroethene	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
1,2-Dichloropropane	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
1,4-Dioxane	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Bromodichloromethane	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Methyl Methacrylate	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
MIBK	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
cis-1,3-Dichloropropene	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
trans-1,3-Dichloropropene	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Toluene	ng/tube	1	TO17	<1	[NT]	[NT]	LCS-1	96%
1,1,2-Trichloroethane	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Methyl Butyl Ketone	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]

QUALITY CONTROL TO17 in TD tubes	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results Base II Duplicate II %RPD	Spike Sm#	Spike % Recovery
Dibromochloromethane	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Tetrachloroethene	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
1,2-Dibromoethane	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Chlorobenzene	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Ethylbenzene	ng/tube	1	TO17	<1	[NT]	[NT]	LCS-1	100%
m-& *p*-Xylene	ng/tube	2	TO17	<2	[NT]	[NT]	LCS-1	99%
Styrene	ng/tube	1	TO17	<1	[NT]	[NT]	LCS-1	109%
o-Xylene	ng/tube	1	TO17	<1	[NT]	[NT]	LCS-1	99%
Bromoform	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
1,1,2,2-Tetrachloroethane	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
4-ethyl toluene	ng/tube	1	TO17	<1	[NT]	[NT]	LCS-1	99%
1,3,5-Trimethylbenzene	ng/tube	1	TO17	<1	[NT]	[NT]	LCS-1	105%
1,2,4-Trimethylbenzene	ng/tube	1	TO17	<1	[NT]	[NT]	LCS-1	108%
1,3-Dichlorobenzene	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Benzyl chloride	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
1,4-Dichlorobenzene	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
1,2-Dichlorobenzene	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
1,2,4-Trichlorobenzene	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Naphthalene	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Hexachloro- 1,3-butadiene	ng/tube	1	TO17	<1	[NT]	[NT]	[NR]	[NR]
Surrogate-Bromochloromethane	% rec		TO17	102	[NT]	[NT]	LCS-1	99%
Surrogate-1,4-Difluorobenzene	% rec		TO17	99	[NT]	[NT]	LCS-1	103%
Surrogate-Chlorobenzene-D5	% rec		TO17	98	[NT]	[NT]	LCS-1	101%

QUALITY CONTROL TO17 in TD tubes in ug/m3	UNITS	PQL	METHOD	Blank
Propylene	µg/m^3	2	TO17	<2.0
Dichlorodifluoromethane	µg/m^3	2	TO17	<2.0
Chloromethane	ug/m3	2	TO17	<2
1,2-Dichlorotetrafluoroethane	ug/m3	2	TO17	<2
Vinyl chloride	ug/m3	2	TO17	<2
1,3-Butadiene	ug/m3	2	TO17	<2
Bromomethane	ug/m3	2	TO17	<2
Chloroethane	ug/m3	2	TO17	<2
Ethanol	ug/m3	2	TO17	<2
Acrolein	ug/m3	2	TO17	<2
Trichlorofluoromethane	ug/m3	2	TO17	<2
Isopropyl Alcohol	ug/m3	2	TO17	<2
1,1-Dichloroethene	ug/m3	2	TO17	<2
1,1,2-Trichlorotrifluoroethane	ug/m3	2	TO17	<2
Carbon Disulfide	ug/m3	2	TO17	<2
trans-1,2-dichloroethene	ug/m3	2	TO17	<2
MTBE	ug/m3	2	TO17	<2
1,1- Dichloroethane	ug/m3	2	TO17	<2
Vinyl Acetate	ug/m3	2	TO17	<2
MEK	ug/m3	2	TO17	<2
Hexane	µg/m^3	2	TO17	<2.0
cis-1,2-Dichloroethene	ug/m3	2	TO17	<2
Ethyl Acetate	ug/m3	2	TO17	<2
Chloroform	ug/m3	2	TO17	<2
Tetrahydrofuran	ug/m3	2	TO17	<2
1,1,1-Trichloroethane	ug/m3	2	TO17	<2
1,2-Dichloroethane	ug/m3	2	TO17	<2
Benzene	µg/m^3	2	TO17	<2.0
Carbon tetrachloride	ug/m3	2	TO17	<2
Cyclohexane	µg/m^3	2	TO17	<2.0
Heptane	µg/m^3	2	TO17	<2.0
Trichloroethene	ug/m3	2	TO17	<2
1,2-Dichloropropane	ug/m3	2	TO17	<2
1,4-Dioxane	ug/m3	2	TO17	<2
Bromodichloromethane	ug/m3	2	TO17	<2
Methyl Methacrylate	ug/m3	2	TO17	<2
MIBK	ug/m3	2	TO17	<2
cis-1,3-Dichloropropene	ug/m3	2	TO17	<2
trans-1,3-Dichloropropene	ug/m3	2	TO17	<2
Toluene	µg/m^3	2	TO17	<2.0
1,1,2-Trichloroethane	ug/m3	2	TO17	<2
Methyl Butyl Ketone	ug/m3	2	TO17	<2

QUALITY CONTROL TO17 in TD tubes in ug/m3	UNITS	PQL	METHOD	Blank
Dibromochloromethane	ug/m3	2	TO17	<2
Tetrachloroethene	ug/m3	2	TO17	<2
1,2-Dibromoethane	ug/m3	2	TO17	<2
Chlorobenzene	ug/m3	2	TO17	<2
Ethylbenzene	µg/m^3	2	TO17	<2.0
m-& *p*-Xylene	µg/m^3	4	TO17	<4.0
Styrene	µg/m^3	2	TO17	<2.0
o-Xylene	µg/m^3	2	TO17	<2.0
Bromoform	ug/m3	2	TO17	<2
1,1,2,2-Tetrachloroethane	ug/m3	2	TO17	<2
4-ethyl toluene	µg/m^3	2	TO17	<2.0
1,3,5-Trimethylbenzene	µg/m^3	2	TO17	<2.0
1,2,4-Trimethylbenzene	µg/m^3	2	TO17	<2.0
1,3-Dichlorobenzene	ug/m3	2	TO17	<2
Benzyl chloride	ug/m3	2	TO17	<2
1,4-Dichlorobenzene	ug/m3	2	TO17	<2
1,2-Dichlorobenzene	ug/m3	2	TO17	<2
1,2,4-Trichlorobenzene	ug/m3	2	TO17	<2
Naphthalene	ug/m3	2	TO17	<2
Hexachloro- 1,3-butadiene	ug/m3	2	TO17	<2
Surrogate-Bromochloromethane	% rec		TO17	102
Surrogate-1,4-Difluorobenzene	% rec		TO17	99
Surrogate-Chlorobenzene-D5	% rec		TO17	98

QUALITY CONTROL TPH in tubes in ug/m3	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results Base II Duplicate II %RPD	Spike Sm#	Spike % Recovery
Date analysed	-			01/11/2014	[NT]	[NT]	LCS-1	01/11/2014
TPH C_5 - C_6 Aliphatic	µg/m^3	60	AT-005	<60	[NT]	[NT]	LCS-1	105%
TPH>C_6 - C_8 Aliphatic	µg/m^3	100	AT-005	<100	[NT]	[NT]	LCS-1	91%
TPH>C_8 - C_{10} Aliphatic	µg/m^3	20	AT-005	<20	[NT]	[NT]	LCS-1	92%
TPH>C_{10} - C_{12} Aliphatic	µg/m^3	20	AT-005	<20	[NT]	[NT]	LCS-1	91%
TPH>C_{12} - C_{16} Aliphatic	µg/m^3	100	AT-005	<100	[NT]	[NT]	LCS-1	86%
TPH C_5 - C_7 Aromatic	µg/m^3	10	AT-005	<10	[NT]	[NT]	LCS-1	83%
TPH>C_7 - C_8 Aromatic Toluene	µg/m^3	10	AT-005	<10	[NT]	[NT]	LCS-1	84%
TPH>C_8 - C_{10} Aromatic	µg/m^3	100	AT-005	<100	[NT]	[NT]	LCS-1	85%
TPH>C_{10} - C_{12} Aromatic	µg/m^3	40	AT-005	<40	[NT]	[NT]	LCS-1	82%
TPH>C_{12} - C_{16} Aromatic	µg/m^3	40	AT-005	<40	[NT]	[NT]	LCS-1	86%
TPH C_6 - C_{10} - BTEX (F1)	µg/m^3	280	TO15	<280	[NT]	[NT]	LCS-1	90%
TPH>C_{10} - C_{16} - Naphthalene (F2)	µg/m^3	180	TO15	<180	[NT]	[NT]	LCS-1	88%

QUALITY CONTROL TPH in Tubes in ng/tube Aliphatic/Aromat	UNITS	PQL	METHOD	Blank
TPH C_5 - C_6 Aliphatic	ng/tube	30	AT-005	<30
TPH>C_6 - C_8 Aliphatic	ng/tube	50	AT-005	<50
TPH>C_8 - C_{10} Aliphatic	ng/tube	10	AT-005	<10
TPH>C_{10} - C_{12} Aliphatic	ng/tube	10	AT-005	<10
TPH>C_{12} - C_{16} Aliphatic	ng/tube	50	AT-005	<50
TPH C_5 - C_7 Aromatic (Benzene)	ng/tube	5	AT-005	<5
TPH>C_7 - C_8 Aromatic (Toluene)	ng/tube	5	AT-005	<5
TPH>C_8 - C_{10} Aromatic	ng/tube	50	AT-005	<50
TPH>C_{10} - C_{12} Aromatic	ng/tube	20	AT-005	<20
TPH>C_{12} - C_{16} Aromatic	ng/tube	20	AT-005	<20
TPH C_6 - C_{10} - BTEX (F1)	ng/tube	140	TO17	<100
TPH>C_{10} - C_{16} - Naphthalene (F2)	ng/tube	90	TO17	<90

QUALITY CONTROL VOC in Carbon tubes	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results Base II Duplicate II %RPD	Spike Sm#	Spike % Recovery
Date prepared	-			23/10/2014	[NT]	[NT]	LCS-1	23/10/2014
Date analysed	-			23/10/2014	[NT]	[NT]	LCS-1	23/10/2014
Isopropyl Alcohol	µg/tube	5	AT-008	<5	[NT]	[NT]	LCS-1	86%
Acetone	µg/tube	5	AT-008	<5	[NT]	[NT]	[NR]	[NR]
Acrylonitrile	µg/tube	5	AT-008	<5	[NT]	[NT]	[NR]	[NR]
Methylethylketone (MEK)	µg/tube	5	AT-008	<5	[NT]	[NT]	[NR]	[NR]
Hexane	µg/tube	5	AT-008	<5	[NT]	[NT]	[NR]	[NR]
Ethylacetate	µg/tube	5	AT-008	<5	[NT]	[NT]	[NR]	[NR]
1,2-Dichloroethane	µg/tube	5	AT-008	<5	[NT]	[NT]	[NR]	[NR]
Benzene	µg/tube	5	AT-008	<5	[NT]	[NT]	[NR]	[NR]
Carbon Tetrachloride	µg/tube	5	AT-008	<5	[NT]	[NT]	[NR]	[NR]
Cyclohexane	µg/tube	5	AT-008	<5	[NT]	[NT]	[NR]	[NR]
Ethylacrylate	µg/tube	5	AT-008	<5	[NT]	[NT]	[NR]	[NR]
Trichloroethene	µg/tube	5	AT-008	<5	[NT]	[NT]	[NR]	[NR]
1,4-Dioxane	µg/tube	5	AT-008	<5	[NT]	[NT]	[NR]	[NR]
Propylene Oxide	µg/tube	10	AT-008	<10	[NT]	[NT]	[NR]	[NR]
Epichlorohydrin	µg/tube	5	AT-008	<5	[NT]	[NT]	[NR]	[NR]
Methylisobutylketone (MIBK)	µg/tube	5	AT-008	<5	[NT]	[NT]	[NR]	[NR]
Toluene	µg/tube	5	AT-008	<5	[NT]	[NT]	[NR]	[NR]

QUALITY CONTROL VOC in Carbon tubes	UNITS	PQL	METHOD	Blank	Duplicate Sm#	Duplicate results Base II Duplicate II %RPD	Spike Sm#	Spike % Recovery
Tetrachloroethene	µg/tube	5	AT-008	<5	[NT]	[NT]	[NR]	[NR]
n-Butylacetate	µg/tube	5	AT-008	<5	[NT]	[NT]	[NR]	[NR]
Chlorobenzene	µg/tube	5	AT-008	<5	[NT]	[NT]	[NR]	[NR]
Ethylbenzene	µg/tube	5	AT-008	<5	[NT]	[NT]	[NR]	[NR]
m-Xylene	µg/tube	5	AT-008	<5	[NT]	[NT]	[NR]	[NR]
p-Xylene	µg/tube	5	AT-008	<5	[NT]	[NT]	[NR]	[NR]
Styrene	µg/tube	5	AT-008	<5	[NT]	[NT]	[NR]	[NR]
o-Xylene	µg/tube	5	AT-008	<5	[NT]	[NT]	[NR]	[NR]
Cyclohexanone	µg/tube	5	AT-008	<5	[NT]	[NT]	[NR]	[NR]
Nonane	µg/tube	5	AT-008	<5	[NT]	[NT]	[NR]	[NR]
Isopropylbenzene	µg/tube	5	AT-008	<5	[NT]	[NT]	[NR]	[NR]
Diisobutylketone (DIBK)	µg/tube	5	AT-008	<5	[NT]	[NT]	[NR]	[NR]
a-Methylstyrene	µg/tube	5	AT-008	<5	[NT]	[NT]	[NR]	[NR]
Decane	µg/tube	5	AT-008	<5	[NT]	[NT]	[NR]	[NR]
Benzylchloride	µg/tube	5	AT-008	<5	[NT]	[NT]	[NR]	[NR]
Naphthalene	µg/tube	5	AT-008	<5	[NT]	[NT]	[NR]	[NR]
Dodecane	µg/tube	5	AT-008	<5	[NT]	[NT]	[NR]	[NR]

Report Comments:

#: Analyte detected from the TD Tubes at a level above the linear response of calibration curve.

Asbestos ID was analysed by Approved Identifier:	Not applicable for this job
Asbestos ID was authorised by Approved Signatory:	Not applicable for this job

INS: Insufficient sample for this test	PQL: Practical Quantitation Limit	NT: Not tested
NA: Test not required	RPD: Relative Percent Difference	NA: Test not required
<: Less than	>: Greater than	LCS: Laboratory Control Sample

Quality Control Definitions

Blank: This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.

Duplicate: This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.

Matrix Spike : A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.

LCS (Laboratory Control Sample) : This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.

Surrogate Spike: Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.
Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.
Spikes for Physical and Aggregate Tests are not applicable.
For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: <5xPQL - any RPD is acceptable; >5xPQL - 0-50% RPD is acceptable.
Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals; 60-140% for organics and 10-140% for SVOC and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Part of the Envirolab Group

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CERTIFICATE OF ANALYSIS 157821

Client:
Envirolab Services
12 Ashley St
Chatswood
NSW 2067

Attention: A Hie

Sample log in details:

Your Reference:	**118385**
No. of samples:	18 Tubes
Date samples received:	30/10/2014
Date completed instructions received:	30/10/2014

This report R01 replaces report R00 due to report being reformatted to be a NATA report.

Analysis Details:
Please refer to the following pages for results, methodology summary and quality control data.
Samples were analysed as received from the client. Results relate specifically to the samples as received.
Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Report Details:

Date results requested by:	6/11/14
Date of Preliminary Report:	Not issued
Issue Date:	7/11/14

Results Approved By:

Joshua Lim
Operations Manager

VOC in Carbon tubes Our Reference: Your Reference Type of sample	UNITS ---------- ----------	157821-1 118385-3 Tube	157821-2 118385-6 Tube	157821-3 118385-12 Tube	157821-4 118385-13 Tube	157821-5 118385-17 Tube
Benzene	µg/tube	<2	<2	<2	<2	<2
Benzene	mg/m^3	<20	<20	<20	<20	<20
Benzene	ppm	<5	<5	<5	<5	<5
Toluene	µg/tube	<2	<2	<2	<2	<2
Toluene	mg/m^3	<20	<20	<20	<20	<20
Toluene	ppm	<5	<5	<5	<5	<5
Ethylbenzene	µg/tube	<2	<2	<2	<2	<2
Ethylbenzene	mg/m^3	<20	<20	<20	<20	<20
Ethylbenzene	ppm	<5	<5	<5	<5	<5
m+p Xylene	µg/tube	<4	<4	<4	<4	<4
m+p Xylene	mg/m^3	<40	<40	<40	<40	<40
m+p Xylene	ppm	<10	<10	<10	<10	<10
o Xylene	µg/tube	<2	<2	<2	<2	<2
o Xylene	mg/m^3	<20	<20	<20	<20	<20
o Xylene	ppm	<5	<5	<5	<5	<5
Styrene	µg/tube	<2	<2	<2	<2	<2
Styrene	mg/m^3	<20	<20	<20	<20	<20
Styrene	ppm	<5	<5	<5	<5	<5
Isopropylbenzene (Cumene)	µg/tube	<2	<2	<2	<2	<2
Isopropylbenzene (Cumene)	mg/m^3	<20	<20	<20	<20	<20
Isopropylbenzene (Cumene)	ppm	<5	<5	<5	<5	<5
n-propylbenzene	µg/tube	<2	<2	<2	<2	<2
n-propylbenzene	mg/m^3	<20	<20	<20	<20	<20
n-propylbenzene	ppm	<5	<5	<5	<5	<5
1,3,5-Trimethylbenzene	µg/tube	<2	<2	<2	<2	<2
1,3,5-Trimethylbenzene	mg/m^3	<20	<20	<20	<20	<20
1,3,5-Trimethylbenzene	ppm	<5	<5	<5	<5	<5
t-butylbenzene	µg/tube	<2	<2	<2	<2	<2
t-butylbenzene	mg/m^3	<20	<20	<20	<20	<20
t-butylbenzene	ppm	<5	<5	<5	<5	<5
1,2,4-Trimethylbenzene	µg/tube	<2	<2	<2	<2	<2
1,2,4-Trimethylbenzene	mg/m^3	<20	<20	<20	<20	<20
1,2,4-Trimethylbenzene	ppm	<5	<5	<5	<5	<5
s-butylbenzene	µg/tube	<2	<2	<2	<2	<2
s-butylbenzene	mg/m^3	<20	<20	<20	<20	<20
s-butylbenzene	ppm	<5	<5	<5	<5	<5
4-Isopropyltoluene	µg/tube	<2	<2	<2	<2	<2
4-Isopropyltoluene	mg/m^3	<20	<20	<20	<20	<20
4-Isopropyltoluene	ppm	<5	<5	<5	<5	<5
n-butylbenzene	µg/tube	<2	<2	<2	<2	<2
n-butylbenzene	mg/m^3	<20	<20	<20	<20	<20

VOC in Carbon tubes Our Reference: Your Reference Type of sample	UNITS ---------- ----------	157821-1 118385-3 Tube	157821-2 118385-6 Tube	157821-3 118385-12 Tube	157821-4 118385-13 Tube	157821-5 118385-17 Tube
n-butylbenzene	ppm	<5	<5	<5	<5	<5
Naphthalene	µg/tube	<2	<2	<2	<2	<2
Naphthalene	mg/m^3	<20	<20	<20	<20	<20
Naphthalene	ppm	<5	<5	<5	<5	<5
1,1-Dichloroethene	µg/tube	<2	<2	<2	<2	<2
1,1-Dichloroethene	mg/m^3	<20	<20	<20	<20	<20
1,1-Dichloroethene	ppm	<5	<5	<5	<5	<5
Trans-1,2-dichloroethene	µg/tube	<2	<2	<2	<2	<2
Trans-1,2-dichloroethene	mg/m^3	<20	<20	<20	<20	<20
Trans-1,2-dichloroethene	ppm	<5	<5	<5	<5	<5
1,1-Dichloroethane	µg/tube	<2	<2	<2	<2	<2
1,1-Dichloroethane	mg/m^3	<20	<20	<20	<20	<20
1,1-Dichloroethane	ppm	<5	<5	<5	<5	<5
Cis-1,2-dichloroethene	µg/tube	<2	<2	<2	<2	<2
Cis-1,2-dichloroethene	mg/m^3	<20	<20	<20	<20	<20
Cis-1,2-dichloroethene	ppm	<5	<5	<5	<5	<5
2,2-Dichloropropane	µg/tube	<2	<2	<2	<2	<2
2,2-Dichloropropane	mg/m^3	<20	<20	<20	<20	<20
2,2-Dichloropropane	ppm	<5	<5	<5	<5	<5
Bromochloromethane	µg/tube	<2	<2	<2	<2	<2
Bromochloromethane	mg/m^3	<20	<20	<20	<20	<20
Bromochloromethane	ppm	<5	<5	<5	<5	<5
Trichloromethane (Chloroform)	µg/tube	<2	<2	<2	<2	<2
Trichloromethane (Chloroform)	mg/m^3	<20	<20	<20	<20	<20
Trichloromethane (Chloroform)	ppm	<5	<5	<5	<5	<5
1,1,1,-Trichloroethane	µg/tube	<2	<2	<2	<2	<2
1,1,1,-Trichloroethane	mg/m^3	<20	<20	<20	<20	<20
1,1,1,-Trichloroethane	ppm	<5	<5	<5	<5	<5
1,1-Dichloropropene	µg/tube	<2	<2	<2	<2	<2
1,1-Dichloropropene	mg/m^3	<20	<20	<20	<20	<20
1,1-Dichloropropene	ppm	<5	<5	<5	<5	<5
1,2-Dichloroethane	µg/tube	<2	<2	<2	<2	<2
1,2-Dichloroethane	mg/m^3	<20	<20	<20	<20	<20
1,2-Dichloroethane	ppm	<5	<5	<5	<5	<5
Carbon Tetrachloride	µg/tube	<2	<2	<2	<2	<2
Carbon Tetrachloride	mg/m^3	<20	<20	<20	<20	<20
Carbon Tetrachloride	ppm	<5	<5	<5	<5	<5
Trichloroethene (TCE)	µg/tube	<2	<2	<2	<2	<2
Trichloroethene (TCE)	mg/m^3	<20	<20	<20	<20	<20
Trichloroethene (TCE)	ppm	<5	<5	<5	<5	<5
1,2-Dichloropropane	µg/tube	<2	<2	<2	<2	<2
1,2-Dichloropropane	mg/m^3	<20	<20	<20	<20	<20

VOC in Carbon tubes Our Reference: Your Reference Type of sample	UNITS ---------- ----------	157821-1 118385-3 Tube	157821-2 118385-6 Tube	157821-3 118385-12 Tube	157821-4 118385-13 Tube	157821-5 118385-17 Tube
1,2-Dichloropropane	ppm	<5	<5	<5	<5	<5
Dibromomethane	µg/tube	<2	<2	<2	<2	<2
Dibromomethane	mg/m^3	<20	<20	<20	<20	<20
Dibromomethane	ppm	<5	<5	<5	<5	<5
Bromodichloromethane	µg/tube	<2	<2	<2	<2	<2
Bromodichloromethane	mg/m^3	<20	<20	<20	<20	<20
Bromodichloromethane	ppm	<5	<5	<5	<5	<5
cis-13-dichloropropene	µg/tube	<2	<2	<2	<2	<2
cis-13-dichloropropene	mg/m^3	<20	<20	<20	<20	<20
cis-13-dichloropropene	ppm	<5	<5	<5	<5	<5
trans-1,3-dichloropropene	µg/tube	<2	<2	<2	<2	<2
trans-1,3-dichloropropene	mg/m^3	<20	<20	<20	<20	<20
trans-1,3-dichloropropene	ppm	<5	<5	<5	<5	<5
1,1,2,-Trichloroethane	µg/tube	<2	<2	<2	<2	<2
1,1,2,-Trichloroethane	mg/m^3	<20	<20	<20	<20	<20
1,1,2,-Trichloroethane	ppm	<5	<5	<5	<5	<5
1,3-Dichloropropane	µg/tube	<2	<2	<2	<2	<2
1,3-Dichloropropane	mg/m^3	<20	<20	<20	<20	<20
1,3-Dichloropropane	ppm	<5	<5	<5	<5	<5
Chlorodibromomethane	µg/tube	<2	<2	<2	<2	<2
Chlorodibromomethane	mg/m^3	<20	<20	<20	<20	<20
Chlorodibromomethane	ppm	<5	<5	<5	<5	<5
Tetrachloroethene (PCE)	µg/tube	<2	<2	<2	<2	<2
Tetrachloroethene (PCE)	mg/m^3	<20	<20	<20	<20	<20
Tetrachloroethene (PCE)	ppm	<5	<5	<5	<5	<5
1,2-dibromoethane	µg/tube	<2	<2	<2	<2	<2
1,2-dibromoethane	mg/m^3	<20	<20	<20	<20	<20
1,2-dibromoethane	ppm	<5	<5	<5	<5	<5
1,1,1,2-Tetrachloroethane	µg/tube	<2	<2	<2	<2	<2
1,1,1,2-Tetrachloroethane	mg/m^3	<20	<20	<20	<20	<20
1,1,1,2-Tetrachloroethane	ppm	<5	<5	<5	<5	<5
Chlorobenzene	µg/tube	<2	<2	<2	<2	<2
Chlorobenzene	mg/m^3	<20	<20	<20	<20	<20
Chlorobenzene	ppm	<5	<5	<5	<5	<5
Tribromomethane (Bromoform)	µg/tube	<2	<2	<2	<2	<2
Tribromomethane (Bromoform)	mg/m^3	<20	<20	<20	<20	<20
Tribromomethane (Bromoform)	ppm	<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane	µg/tube	<2	<2	<2	<2	<2
1,1,2,2-Tetrachloroethane	mg/m^3	<20	<20	<20	<20	<20
1,1,2,2-Tetrachloroethane	ppm	<5	<5	<5	<5	<5
1,2,3-Trichloropropane	µg/tube	<2	<2	<2	<2	<2
1,2,3-Trichloropropane	mg/m^3	<20	<20	<20	<20	<20

VOC in Carbon tubes Our Reference: Your Reference Type of sample	UNITS ---------- ----------	157821-1 118385-3 Tube	157821-2 118385-6 Tube	157821-3 118385-12 Tube	157821-4 118385-13 Tube	157821-5 118385-17 Tube
1,2,3-Trichloropropane	ppm	<5	<5	<5	<5	<5
Bromobenzene	µg/tube	<2	<2	<2	<2	<2
Bromobenzene	mg/m^3	<20	<20	<20	<20	<20
Bromobenzene	ppm	<5	<5	<5	<5	<5
2-Chlorotoluene	µg/tube	<2	<2	<2	<2	<2
2-Chlorotoluene	mg/m^3	<20	<20	<20	<20	<20
2-Chlorotoluene	ppm	<5	<5	<5	<5	<5
4-Chlorotoluene	µg/tube	<2	<2	<2	<2	<2
4-Chlorotoluene	mg/m^3	<20	<20	<20	<20	<20
4-Chlorotoluene	ppm	<5	<5	<5	<5	<5
1,3-Dichlorobenzene	µg/tube	<2	<2	<2	<2	<2
1,3-Dichlorobenzene	mg/m^3	<20	<20	<20	<20	<20
1,3-Dichlorobenzene	ppm	<5	<5	<5	<5	<5
1,4-Dichlorobenzene	µg/tube	<2	<2	<2	<2	<2
1,4-Dichlorobenzene	mg/m^3	<20	<20	<20	<20	<20
1,4-Dichlorobenzene	ppm	<5	<5	<5	<5	<5
1,2-Dichlorobenzene	µg/tube	<2	<2	<2	<2	<2
1,2-Dichlorobenzene	mg/m^3	<20	<20	<20	<20	<20
1,2-Dichlorobenzene	ppm	<5	<5	<5	<5	<5
1,2-Dibromo-3-chloropropane	µg/tube	<2	<2	<2	<2	<2
1,2-Dibromo-3-chloropropane	mg/m^3	<20	<20	<20	<20	<20
1,2-Dibromo-3-chloropropane	ppm	<5	<5	<5	<5	<5
1,2,4-Trichlorobenzene	µg/tube	<2	<2	<2	<2	<2
1,2,4-Trichlorobenzene	mg/m^3	<20	<20	<20	<20	<20
1,2,4-Trichlorobenzene	ppm	<5	<5	<5	<5	<5
Hexachlorobutadiene	µg/tube	<2	<2	<2	<2	<2
Hexachlorobutadiene	mg/m^3	<20	<20	<20	<20	<20
Hexachlorobutadiene	ppm	<5	<5	<5	<5	<5
1,2,3-Trichlorobenzene	µg/tube	<2	<2	<2	<2	<2
1,2,3-Trichlorobenzene	mg/m^3	<20	<20	<20	<20	<20
1,2,3-Trichlorobenzene	ppm	<5	<5	<5	<5	<5
Diisobutylketone (DIBK)	µg/tube	<2	<2	<2	<2	<2
Diisobutylketone (DIBK)	mg/m^3	<20	<20	<20	<20	<20
Diisobutylketone (DIBK)	ppm	<5	<5	<5	<5	<5
Methyl Ethyl Ketone (MEK)	µg/tube	<10	<10	<10	<10	<10
Methyl Ethyl Ketone (MEK)	mg/m^3	<100	<100	<100	<100	<100
Methyl Ethyl Ketone (MEK)	ppm	<25	<25	<25	<25	<25
4-Methyl-2-Pentanone (MIBK)	µg/tube	<2	<2	<2	<2	<2
4-Methyl-2-Pentanone (MIBK)	mg/m^3	<20	<20	<20	<20	<20
4-Methyl-2-Pentanone (MIBK)	ppm	<5	<5	<5	<5	<5
3-Methyl-2-butanone (MIPK)	µg/tube	<2	<2	<2	<2	<2
3-Methyl-2-butanone (MIPK)	mg/m^3	<20	<20	<20	<20	<20

VOC in Carbon tubes Our Reference: Your Reference Type of sample	UNITS ---------- ----------	157821-1 118385-3 Tube	157821-2 118385-6 Tube	157821-3 118385-12 Tube	157821-4 118385-13 Tube	157821-5 118385-17 Tube
3-Methyl-2-butanone (MIPK)	ppm	<5	<5	<5	<5	<5
3-Methylpentane	µg/tube	<2	<2	<2	<2	<2
3-Methylpentane	mg/m^3	<20	<20	<20	<20	<20
3-Methylpentane	ppm	<5	<5	<5	<5	<5
Methylcyclopentane	µg/tube	<2	<2	<2	<2	<2
Methylcyclopentane	mg/m^3	<20	<20	<20	<20	<20
Methylcyclopentane	ppm	<5	<5	<5	<5	<5
Dimethyldisulphide	µg/tube	<2	<2	<2	<2	<2
Dimethyldisulphide	mg/m^3	<20	<20	<20	<20	<20
Dimethyldisulphide	ppm	<5	<5	<5	<5	<5
Cyclohexane	µg/tube	<2	<2	<2	<2	<2
Cyclohexane	mg/m3	<20	<20	<20	<20	<20
Cyclohexane	ppm	<5	<5	<5	<5	<5
Acrylonitrile	µg/tube	<5	<5	<5	<5	<5
Acrylonitrile	mg/m^3	<50	<50	<50	<50	<50
Acrylonitrile	ppm	<12.5	<12.5	<12.5	<12.5	<12.5
Vinyl Chloride*	µg/tube	<10	<10	<10	<10	<10
Vinyl Chloride*	mg/m3	<100	<100	<100	<100	<100
Vinyl Chloride*	ppm	<25	<25	<25	<25	<25

VOC in Carbon tubes Our Reference: Your Reference Type of sample	UNITS ---------- ----------	157821-6 118385-20 Tube	157821-7 118385-22 Tube	157821-8 118385-25 Tube	157821-9 118385-30 Tube	157821-10 118385-31 Tube
Benzene	µg/tube	<2	<2	<2	<2	<2
Benzene	mg/m^3	<20	<20	<20	<20	<20
Benzene	ppm	<5	<5	<5	<5	<5
Toluene	µg/tube	<2	<2	<2	<2	<2
Toluene	mg/m^3	<20	<20	<20	<20	<20
Toluene	ppm	<5	<5	<5	<5	<5
Ethylbenzene	µg/tube	<2	<2	<2	<2	<2
Ethylbenzene	mg/m^3	<20	<20	<20	<20	<20
Ethylbenzene	ppm	<5	<5	<5	<5	<5
m+p Xylene	µg/tube	<4	<4	<4	<4	<4
m+p Xylene	mg/m^3	<40	<40	<40	<40	<40
m+p Xylene	ppm	<10	<10	<10	<10	<10
o Xylene	µg/tube	<2	<2	<2	<2	<2
o Xylene	mg/m^3	<20	<20	<20	<20	<20
o Xylene	ppm	<5	<5	<5	<5	<5
Styrene	µg/tube	<2	<2	<2	<2	<2
Styrene	mg/m^3	<20	<20	<20	<20	<20
Styrene	ppm	<5	<5	<5	<5	<5
Isopropylbenzene (Cumene)	µg/tube	<2	<2	<2	<2	<2

VOC in Carbon tubes Our Reference: Your Reference Type of sample	UNITS ---------- ----------	157821-6 118385-20 Tube	157821-7 118385-22 Tube	157821-8 118385-25 Tube	157821-9 118385-30 Tube	157821-10 118385-31 Tube
Isopropylbenzene (Cumene)	mg/m^3	<20	<20	<20	<20	<20
Isopropylbenzene (Cumene)	ppm	<5	<5	<5	<5	<5
n-propylbenzene	µg/tube	<2	<2	<2	<2	<2
n-propylbenzene	mg/m^3	<20	<20	<20	<20	<20
n-propylbenzene	ppm	<5	<5	<5	<5	<5
1,3,5-Trimethylbenzene	µg/tube	<2	<2	<2	<2	<2
1,3,5-Trimethylbenzene	mg/m^3	<20	<20	<20	<20	<20
1,3,5-Trimethylbenzene	ppm	<5	<5	<5	<5	<5
t-butylbenzene	µg/tube	<2	<2	<2	<2	<2
t-butylbenzene	mg/m^3	<20	<20	<20	<20	<20
t-butylbenzene	ppm	<5	<5	<5	<5	<5
1,2,4-Trimethylbenzene	µg/tube	<2	<2	<2	<2	<2
1,2,4-Trimethylbenzene	mg/m^3	<20	<20	<20	<20	<20
1,2,4-Trimethylbenzene	ppm	<5	<5	<5	<5	<5
s-butylbenzene	µg/tube	<2	<2	<2	<2	<2
s-butylbenzene	mg/m^3	<20	<20	<20	<20	<20
s-butylbenzene	ppm	<5	<5	<5	<5	<5
4-Isopropyltoluene	µg/tube	<2	<2	<2	<2	<2
4-Isopropyltoluene	mg/m^3	<20	<20	<20	<20	<20
4-Isopropyltoluene	ppm	<5	<5	<5	<5	<5
n-butylbenzene	µg/tube	<2	<2	<2	<2	<2
n-butylbenzene	mg/m^3	<20	<20	<20	<20	<20
n-butylbenzene	ppm	<5	<5	<5	<5	<5
Naphthalene	µg/tube	<2	<2	<2	<2	<2
Naphthalene	mg/m^3	<20	<20	<20	<20	<20
Naphthalene	ppm	<5	<5	<5	<5	<5
1,1-Dichloroethene	µg/tube	<2	<2	<2	<2	<2
1,1-Dichloroethene	mg/m^3	<20	<20	<20	<20	<20
1,1-Dichloroethene	ppm	<5	<5	<5	<5	<5
Trans-1,2-dichloroethene	µg/tube	<2	<2	<2	<2	<2
Trans-1,2-dichloroethene	mg/m^3	<20	<20	<20	<20	<20
Trans-1,2-dichloroethene	ppm	<5	<5	<5	<5	<5
1,1-Dichloroethane	µg/tube	<2	<2	<2	<2	<2
1,1-Dichloroethane	mg/m^3	<20	<20	<20	<20	<20
1,1-Dichloroethane	ppm	<5	<5	<5	<5	<5
Cis-1,2-dichloroethene	µg/tube	<2	<2	<2	<2	<2
Cis-1,2-dichloroethene	mg/m^3	<20	<20	<20	<20	<20
Cis-1,2-dichloroethene	ppm	<5	<5	<5	<5	<5
2,2-Dichloropropane	µg/tube	<2	<2	<2	<2	<2
2,2-Dichloropropane	mg/m^3	<20	<20	<20	<20	<20
2,2-Dichloropropane	ppm	<5	<5	<5	<5	<5
Bromochloromethane	µg/tube	<2	<2	<2	<2	<2

VOC in Carbon tubes Our Reference: Your Reference Type of sample	UNITS ---------- ----------	157821-6 118385-20 Tube	157821-7 118385-22 Tube	157821-8 118385-25 Tube	157821-9 118385-30 Tube	157821-10 118385-31 Tube
Bromochloromethane	mg/m^3	<20	<20	<20	<20	<20
Bromochloromethane	ppm	<5	<5	<5	<5	<5
Trichloromethane (Chloroform)	µg/tube	<2	<2	<2	<2	<2
Trichloromethane (Chloroform)	mg/m^3	<20	<20	<20	<20	<20
Trichloromethane (Chloroform)	ppm	<5	<5	<5	<5	<5
1,1,1,-Trichloroethane	µg/tube	<2	<2	<2	<2	<2
1,1,1,-Trichloroethane	mg/m^3	<20	<20	<20	<20	<20
1,1,1,-Trichloroethane	ppm	<5	<5	<5	<5	<5
1,1-Dichloropropene	µg/tube	<2	<2	<2	<2	<2
1,1-Dichloropropene	mg/m^3	<20	<20	<20	<20	<20
1,1-Dichloropropene	ppm	<5	<5	<5	<5	<5
1,2-Dichloroethane	µg/tube	<2	<2	<2	<2	<2
1,2-Dichloroethane	mg/m^3	<20	<20	<20	<20	<20
1,2-Dichloroethane	ppm	<5	<5	<5	<5	<5
Carbon Tetrachloride	µg/tube	<2	<2	<2	<2	<2
Carbon Tetrachloride	mg/m^3	<20	<20	<20	<20	<20
Carbon Tetrachloride	ppm	<5	<5	<5	<5	<5
Trichloroethene (TCE)	µg/tube	<2	<2	<2	<2	<2
Trichloroethene (TCE)	mg/m^3	<20	<20	<20	<20	<20
Trichloroethene (TCE)	ppm	<5	<5	<5	<5	<5
1,2-Dichloropropane	µg/tube	<2	<2	<2	<2	<2
1,2-Dichloropropane	mg/m^3	<20	<20	<20	<20	<20
1,2-Dichloropropane	ppm	<5	<5	<5	<5	<5
Dibromomethane	µg/tube	<2	<2	<2	<2	<2
Dibromomethane	mg/m^3	<20	<20	<20	<20	<20
Dibromomethane	ppm	<5	<5	<5	<5	<5
Bromodichloromethane	µg/tube	<2	<2	<2	<2	<2
Bromodichloromethane	mg/m^3	<20	<20	<20	<20	<20
Bromodichloromethane	ppm	<5	<5	<5	<5	<5
cis-13-dichloropropene	µg/tube	<2	<2	<2	<2	<2
cis-13-dichloropropene	mg/m^3	<20	<20	<20	<20	<20
cis-13-dichloropropene	ppm	<5	<5	<5	<5	<5
trans-1,3-dichloropropene	µg/tube	<2	<2	<2	<2	<2
trans-1,3-dichloropropene	mg/m^3	<20	<20	<20	<20	<20
trans-1,3-dichloropropene	ppm	<5	<5	<5	<5	<5
1,1,2,-Trichloroethane	µg/tube	<2	<2	<2	<2	<2
1,1,2,-Trichloroethane	mg/m^3	<20	<20	<20	<20	<20
1,1,2,-Trichloroethane	ppm	<5	<5	<5	<5	<5
1,3-Dichloropropane	µg/tube	<2	<2	<2	<2	<2
1,3-Dichloropropane	mg/m^3	<20	<20	<20	<20	<20
1,3-Dichloropropane	ppm	<5	<5	<5	<5	<5
Chlorodibromomethane	µg/tube	<2	<2	<2	<2	<2

VOC in Carbon tubes Our Reference: Your Reference Type of sample	UNITS ---------- ----------	157821-6 118385-20 Tube	157821-7 118385-22 Tube	157821-8 118385-25 Tube	157821-9 118385-30 Tube	157821-10 118385-31 Tube
Chlorodibromomethane	mg/m^3	<20	<20	<20	<20	<20
Chlorodibromomethane	ppm	<5	<5	<5	<5	<5
Tetrachloroethene (PCE)	µg/tube	<2	<2	<2	<2	<2
Tetrachloroethene (PCE)	mg/m^3	<20	<20	<20	<20	<20
Tetrachloroethene (PCE)	ppm	<5	<5	<5	<5	<5
1,2-dibromoethane	µg/tube	<2	<2	<2	<2	<2
1,2-dibromoethane	mg/m^3	<20	<20	<20	<20	<20
1,2-dibromoethane	ppm	<5	<5	<5	<5	<5
1,1,1,2-Tetrachloroethane	µg/tube	<2	<2	<2	<2	<2
1,1,1,2-Tetrachloroethane	mg/m^3	<20	<20	<20	<20	<20
1,1,1,2-Tetrachloroethane	ppm	<5	<5	<5	<5	<5
Chlorobenzene	µg/tube	<2	<2	<2	<2	<2
Chlorobenzene	mg/m^3	<20	<20	<20	<20	<20
Chlorobenzene	ppm	<5	<5	<5	<5	<5
Tribromomethane (Bromoform)	µg/tube	<2	<2	<2	<2	<2
Tribromomethane (Bromoform)	mg/m^3	<20	<20	<20	<20	<20
Tribromomethane (Bromoform)	ppm	<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane	µg/tube	<2	<2	<2	<2	<2
1,1,2,2-Tetrachloroethane	mg/m^3	<20	<20	<20	<20	<20
1,1,2,2-Tetrachloroethane	ppm	<5	<5	<5	<5	<5
1,2,3-Trichloropropane	µg/tube	<2	<2	<2	<2	<2
1,2,3-Trichloropropane	mg/m^3	<20	<20	<20	<20	<20
1,2,3-Trichloropropane	ppm	<5	<5	<5	<5	<5
Bromobenzene	µg/tube	<2	<2	<2	<2	<2
Bromobenzene	mg/m^3	<20	<20	<20	<20	<20
Bromobenzene	ppm	<5	<5	<5	<5	<5
2-Chlorotoluene	µg/tube	<2	<2	<2	<2	<2
2-Chlorotoluene	mg/m^3	<20	<20	<20	<20	<20
2-Chlorotoluene	ppm	<5	<5	<5	<5	<5
4-Chlorotoluene	µg/tube	<2	<2	<2	<2	<2
4-Chlorotoluene	mg/m^3	<20	<20	<20	<20	<20
4-Chlorotoluene	ppm	<5	<5	<5	<5	<5
1,3-Dichlorobenzene	µg/tube	<2	<2	<2	<2	<2
1,3-Dichlorobenzene	mg/m^3	<20	<20	<20	<20	<20
1,3-Dichlorobenzene	ppm	<5	<5	<5	<5	<5
1,4-Dichlorobenzene	µg/tube	<2	<2	<2	<2	<2
1,4-Dichlorobenzene	mg/m^3	<20	<20	<20	<20	<20
1,4-Dichlorobenzene	ppm	<5	<5	<5	<5	<5
1,2-Dichlorobenzene	µg/tube	<2	<2	<2	<2	<2
1,2-Dichlorobenzene	mg/m^3	<20	<20	<20	<20	<20
1,2-Dichlorobenzene	ppm	<5	<5	<5	<5	<5
1,2-Dibromo-3-chloropropane	µg/tube	<2	<2	<2	<2	<2

VOC in Carbon tubes Our Reference: Your Reference Type of sample	UNITS ---------- ----------	157821-6 118385-20 Tube	157821-7 118385-22 Tube	157821-8 118385-25 Tube	157821-9 118385-30 Tube	157821-10 118385-31 Tube
1,2-Dibromo-3-chloropropane	mg/m^3	<20	<20	<20	<20	<20
1,2-Dibromo-3-chloropropane	ppm	<5	<5	<5	<5	<5
1,2,4-Trichlorobenzene	µg/tube	<2	<2	<2	<2	<2
1,2,4-Trichlorobenzene	mg/m^3	<20	<20	<20	<20	<20
1,2,4-Trichlorobenzene	ppm	<5	<5	<5	<5	<5
Hexachlorobutadiene	µg/tube	<2	<2	<2	<2	<2
Hexachlorobutadiene	mg/m^3	<20	<20	<20	<20	<20
Hexachlorobutadiene	ppm	<5	<5	<5	<5	<5
1,2,3-Trichlorobenzene	µg/tube	<2	<2	<2	<2	<2
1,2,3-Trichlorobenzene	mg/m^3	<20	<20	<20	<20	<20
1,2,3-Trichlorobenzene	ppm	<5	<5	<5	<5	<5
Diisobutylketone (DIBK)	µg/tube	<2	<2	<2	<2	<2
Diisobutylketone (DIBK)	mg/m^3	<20	<20	<20	<20	<20
Diisobutylketone (DIBK)	ppm	<5	<5	<5	<5	<5
Methyl Ethyl Ketone (MEK)	µg/tube	<10	<10	<10	<10	<10
Methyl Ethyl Ketone (MEK)	mg/m^3	<100	<100	<100	<100	<100
Methyl Ethyl Ketone (MEK)	ppm	<25	<25	<25	<25	<25
4-Methyl-2-Pentanone (MIBK)	µg/tube	<2	<2	<2	<2	<2
4-Methyl-2-Pentanone (MIBK)	mg/m^3	<20	<20	<20	<20	<20
4-Methyl-2-Pentanone (MIBK)	ppm	<5	<5	<5	<5	<5
3-Methyl-2-butanone (MIPK)	µg/tube	<2	<2	<2	<2	<2
3-Methyl-2-butanone (MIPK)	mg/m^3	<20	<20	<20	<20	<20
3-Methyl-2-butanone (MIPK)	ppm	<5	<5	<5	<5	<5
3-Methylpentane	µg/tube	<2	<2	<2	<2	<2
3-Methylpentane	mg/m^3	<20	<20	<20	<20	<20
3-Methylpentane	ppm	<5	<5	<5	<5	<5
Methylcyclopentane	µg/tube	<2	<2	<2	<2	<2
Methylcyclopentane	mg/m^3	<20	<20	<20	<20	<20
Methylcyclopentane	ppm	<5	<5	<5	<5	<5
Dimethyldisulphide	µg/tube	<2	<2	<2	<2	<2
Dimethyldisulphide	mg/m^3	<20	<20	<20	<20	<20
Dimethyldisulphide	ppm	<5	<5	<5	<5	<5
Cyclohexane	µg/tube	<2	<2	<2	<2	<2
Cyclohexane	mg/m3	<20	<20	<20	<20	<20
Cyclohexane	ppm	<5	<5	<5	<5	<5
Acrylonitrile	µg/tube	<5	<5	<5	<5	<5
Acrylonitrile	mg/m^3	<50	<50	<50	<50	<50
Acrylonitrile	ppm	<12.5	<12.5	<12.5	<12.5	<12.5
Vinyl Chloride*	µg/tube	<10	<10	<10	<10	<10
Vinyl Chloride*	mg/m3	<100	<100	<100	<100	<100
Vinyl Chloride*	ppm	<25	<25	<25	<25	<25

VOC in Carbon tubes Our Reference: Your Reference Type of sample	UNITS ---------- ----------	157821-11 118385-35 Tube	157821-12 118385-38 Tube	157821-13 118385-41 Tube	157821-14 118385-44 Tube	157821-15 118385-49 Tube
Benzene	µg/tube	<2	<2	<2	<2	<2
Benzene	mg/m^3	<20	<20	<20	<20	<20
Benzene	ppm	<5	<5	<5	<5	<5
Toluene	µg/tube	<2	<2	<2	<2	<2
Toluene	mg/m^3	<20	<20	<20	<20	<20
Toluene	ppm	<5	<5	<5	<5	<5
Ethylbenzene	µg/tube	<2	<2	<2	<2	<2
Ethylbenzene	mg/m^3	<20	<20	<20	<20	<20
Ethylbenzene	ppm	<5	<5	<5	<5	<5
m+p Xylene	µg/tube	<4	<4	<4	<4	<4
m+p Xylene	mg/m^3	<40	<40	<40	<40	<40
m+p Xylene	ppm	<10	<10	<10	<10	<10
o Xylene	µg/tube	<2	<2	<2	<2	<2
o Xylene	mg/m^3	<20	<20	<20	<20	<20
o Xylene	ppm	<5	<5	<5	<5	<5
Styrene	µg/tube	<2	<2	<2	<2	<2
Styrene	mg/m^3	<20	<20	<20	<20	<20
Styrene	ppm	<5	<5	<5	<5	<5
Isopropylbenzene (Cumene)	µg/tube	<2	<2	<2	<2	<2
Isopropylbenzene (Cumene)	mg/m^3	<20	<20	<20	<20	<20
Isopropylbenzene (Cumene)	ppm	<5	<5	<5	<5	<5
n-propylbenzene	µg/tube	<2	<2	<2	<2	<2
n-propylbenzene	mg/m^3	<20	<20	<20	<20	<20
n-propylbenzene	ppm	<5	<5	<5	<5	<5
1,3,5-Trimethylbenzene	µg/tube	<2	<2	<2	<2	<2
1,3,5-Trimethylbenzene	mg/m^3	<20	<20	<20	<20	<20
1,3,5-Trimethylbenzene	ppm	<5	<5	<5	<5	<5
t-butylbenzene	µg/tube	<2	<2	<2	<2	<2
t-butylbenzene	mg/m^3	<20	<20	<20	<20	<20
t-butylbenzene	ppm	<5	<5	<5	<5	<5
1,2,4-Trimethylbenzene	µg/tube	<2	<2	<2	<2	<2
1,2,4-Trimethylbenzene	mg/m^3	<20	<20	<20	<20	<20
1,2,4-Trimethylbenzene	ppm	<5	<5	<5	<5	<5
s-butylbenzene	µg/tube	<2	<2	<2	<2	<2
s-butylbenzene	mg/m^3	<20	<20	<20	<20	<20
s-butylbenzene	ppm	<5	<5	<5	<5	<5
4-Isopropyltoluene	µg/tube	<2	<2	<2	<2	<2
4-Isopropyltoluene	mg/m^3	<20	<20	<20	<20	<20
4-Isopropyltoluene	ppm	<5	<5	<5	<5	<5
n-butylbenzene	µg/tube	<2	<2	<2	<2	<2
n-butylbenzene	mg/m^3	<20	<20	<20	<20	<20
n-butylbenzene	ppm	<5	<5	<5	<5	<5

VOC in Carbon tubes Our Reference: Your Reference Type of sample	UNITS ---------- ----------	157821-11 118385-35 Tube	157821-12 118385-38 Tube	157821-13 118385-41 Tube	157821-14 118385-44 Tube	157821-15 118385-49 Tube
Naphthalene	µg/tube	<2	<2	<2	<2	<2
Naphthalene	mg/m^3	<20	<20	<20	<20	<20
Naphthalene	ppm	<5	<5	<5	<5	<5
1,1-Dichloroethene	µg/tube	<2	<2	<2	<2	<2
1,1-Dichloroethene	mg/m^3	<20	<20	<20	<20	<20
1,1-Dichloroethene	ppm	<5	<5	<5	<5	<5
Trans-1,2-dichloroethene	µg/tube	<2	<2	<2	<2	<2
Trans-1,2-dichloroethene	mg/m^3	<20	<20	<20	<20	<20
Trans-1,2-dichloroethene	ppm	<5	<5	<5	<5	<5
1,1-Dichloroethane	µg/tube	<2	<2	<2	<2	<2
1,1-Dichloroethane	mg/m^3	<20	<20	<20	<20	<20
1,1-Dichloroethane	ppm	<5	<5	<5	<5	<5
Cis-1,2-dichloroethene	µg/tube	<2	<2	<2	<2	<2
Cis-1,2-dichloroethene	mg/m^3	<20	<20	<20	<20	<20
Cis-1,2-dichloroethene	ppm	<5	<5	<5	<5	<5
2,2-Dichloropropane	µg/tube	<2	<2	<2	<2	<2
2,2-Dichloropropane	mg/m^3	<20	<20	<20	<20	<20
2,2-Dichloropropane	ppm	<5	<5	<5	<5	<5
Bromochloromethane	µg/tube	<2	<2	<2	<2	<2
Bromochloromethane	mg/m^3	<20	<20	<20	<20	<20
Bromochloromethane	ppm	<5	<5	<5	<5	<5
Trichloromethane (Chloroform)	µg/tube	<2	<2	<2	<2	<2
Trichloromethane (Chloroform)	mg/m^3	<20	<20	<20	<20	<20
Trichloromethane (Chloroform)	ppm	<5	<5	<5	<5	<5
1,1,1,-Trichloroethane	µg/tube	<2	<2	<2	<2	<2
1,1,1,-Trichloroethane	mg/m^3	<20	<20	<20	<20	<20
1,1,1,-Trichloroethane	ppm	<5	<5	<5	<5	<5
1,1-Dichloropropene	µg/tube	<2	<2	<2	<2	<2
1,1-Dichloropropene	mg/m^3	<20	<20	<20	<20	<20
1,1-Dichloropropene	ppm	<5	<5	<5	<5	<5
1,2-Dichloroethane	µg/tube	<2	<2	<2	<2	<2
1,2-Dichloroethane	mg/m^3	<20	<20	<20	<20	<20
1,2-Dichloroethane	ppm	<5	<5	<5	<5	<5
Carbon Tetrachloride	µg/tube	<2	<2	<2	<2	<2
Carbon Tetrachloride	mg/m^3	<20	<20	<20	<20	<20
Carbon Tetrachloride	ppm	<5	<5	<5	<5	<5
Trichloroethene (TCE)	µg/tube	<2	<2	<2	<2	<2
Trichloroethene (TCE)	mg/m^3	<20	<20	<20	<20	<20
Trichloroethene (TCE)	ppm	<5	<5	<5	<5	<5
1,2-Dichloropropane	µg/tube	<2	<2	<2	<2	<2
1,2-Dichloropropane	mg/m^3	<20	<20	<20	<20	<20
1,2-Dichloropropane	ppm	<5	<5	<5	<5	<5

VOC in Carbon tubes Our Reference: Your Reference Type of sample	UNITS ---------- ----------	157821-11 118385-35 Tube	157821-12 118385-38 Tube	157821-13 118385-41 Tube	157821-14 118385-44 Tube	157821-15 118385-49 Tube
Dibromomethane	µg/tube	<2	<2	<2	<2	<2
Dibromomethane	mg/m^3	<20	<20	<20	<20	<20
Dibromomethane	ppm	<5	<5	<5	<5	<5
Bromodichloromethane	µg/tube	<2	<2	<2	<2	<2
Bromodichloromethane	mg/m^3	<20	<20	<20	<20	<20
Bromodichloromethane	ppm	<5	<5	<5	<5	<5
cis-13-dichloropropene	µg/tube	<2	<2	<2	<2	<2
cis-13-dichloropropene	mg/m^3	<20	<20	<20	<20	<20
cis-13-dichloropropene	ppm	<5	<5	<5	<5	<5
trans-1,3-dichloropropene	µg/tube	<2	<2	<2	<2	<2
trans-1,3-dichloropropene	mg/m^3	<20	<20	<20	<20	<20
trans-1,3-dichloropropene	ppm	<5	<5	<5	<5	<5
1,1,2,-Trichloroethane	µg/tube	<2	<2	<2	<2	<2
1,1,2,-Trichloroethane	mg/m^3	<20	<20	<20	<20	<20
1,1,2,-Trichloroethane	ppm	<5	<5	<5	<5	<5
1,3-Dichloropropane	µg/tube	<2	<2	<2	<2	<2
1,3-Dichloropropane	mg/m^3	<20	<20	<20	<20	<20
1,3-Dichloropropane	ppm	<5	<5	<5	<5	<5
Chlorodibromomethane	µg/tube	<2	<2	<2	<2	<2
Chlorodibromomethane	mg/m^3	<20	<20	<20	<20	<20
Chlorodibromomethane	ppm	<5	<5	<5	<5	<5
Tetrachloroethene (PCE)	µg/tube	<2	<2	2	<2	<2
Tetrachloroethene (PCE)	mg/m^3	<20	<20	24	<20	<20
Tetrachloroethene (PCE)	ppm	<5	<5	<5	<5	<5
1,2-dibromoethane	µg/tube	<2	<2	<2	<2	<2
1,2-dibromoethane	mg/m^3	<20	<20	<20	<20	<20
1,2-dibromoethane	ppm	<5	<5	<5	<5	<5
1,1,1,2-Tetrachloroethane	µg/tube	<2	<2	<2	<2	<2
1,1,1,2-Tetrachloroethane	mg/m^3	<20	<20	<20	<20	<20
1,1,1,2-Tetrachloroethane	ppm	<5	<5	<5	<5	<5
Chlorobenzene	µg/tube	<2	<2	<2	<2	<2
Chlorobenzene	mg/m^3	<20	<20	<20	<20	<20
Chlorobenzene	ppm	<5	<5	<5	<5	<5
Tribromomethane (Bromoform)	µg/tube	<2	<2	<2	<2	<2
Tribromomethane (Bromoform)	mg/m^3	<20	<20	<20	<20	<20
Tribromomethane (Bromoform)	ppm	<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane	µg/tube	<2	<2	<2	<2	<2
1,1,2,2-Tetrachloroethane	mg/m^3	<20	<20	<20	<20	<20
1,1,2,2-Tetrachloroethane	ppm	<5	<5	<5	<5	<5
1,2,3-Trichloropropane	µg/tube	<2	<2	<2	<2	<2
1,2,3-Trichloropropane	mg/m^3	<20	<20	<20	<20	<20
1,2,3-Trichloropropane	ppm	<5	<5	<5	<5	<5

VOC in Carbon tubes Our Reference: Your Reference Type of sample	UNITS ---------- ----------	157821-11 118385-35 Tube	157821-12 118385-38 Tube	157821-13 118385-41 Tube	157821-14 118385-44 Tube	157821-15 118385-49 Tube
Bromobenzene	µg/tube	<2	<2	<2	<2	<2
Bromobenzene	mg/m^3	<20	<20	<20	<20	<20
Bromobenzene	ppm	<5	<5	<5	<5	<5
2-Chlorotoluene	µg/tube	<2	<2	<2	<2	<2
2-Chlorotoluene	mg/m^3	<20	<20	<20	<20	<20
2-Chlorotoluene	ppm	<5	<5	<5	<5	<5
4-Chlorotoluene	µg/tube	<2	<2	<2	<2	<2
4-Chlorotoluene	mg/m^3	<20	<20	<20	<20	<20
4-Chlorotoluene	ppm	<5	<5	<5	<5	<5
1,3-Dichlorobenzene	µg/tube	<2	<2	<2	<2	<2
1,3-Dichlorobenzene	mg/m^3	<20	<20	<20	<20	<20
1,3-Dichlorobenzene	ppm	<5	<5	<5	<5	<5
1,4-Dichlorobenzene	µg/tube	<2	<2	<2	<2	<2
1,4-Dichlorobenzene	mg/m^3	<20	<20	<20	<20	<20
1,4-Dichlorobenzene	ppm	<5	<5	<5	<5	<5
1,2-Dichlorobenzene	µg/tube	<2	<2	<2	<2	<2
1,2-Dichlorobenzene	mg/m^3	<20	<20	<20	<20	<20
1,2-Dichlorobenzene	ppm	<5	<5	<5	<5	<5
1,2-Dibromo-3-chloropropane	µg/tube	<2	<2	<2	<2	<2
1,2-Dibromo-3-chloropropane	mg/m^3	<20	<20	<20	<20	<20
1,2-Dibromo-3-chloropropane	ppm	<5	<5	<5	<5	<5
1,2,4-Trichlorobenzene	µg/tube	<2	<2	<2	<2	<2
1,2,4-Trichlorobenzene	mg/m^3	<20	<20	<20	<20	<20
1,2,4-Trichlorobenzene	ppm	<5	<5	<5	<5	<5
Hexachlorobutadiene	µg/tube	<2	<2	<2	<2	<2
Hexachlorobutadiene	mg/m^3	<20	<20	<20	<20	<20
Hexachlorobutadiene	ppm	<5	<5	<5	<5	<5
1,2,3-Trichlorobenzene	µg/tube	<2	<2	<2	<2	<2
1,2,3-Trichlorobenzene	mg/m^3	<20	<20	<20	<20	<20
1,2,3-Trichlorobenzene	ppm	<5	<5	<5	<5	<5
Diisobutylketone (DIBK)	µg/tube	<2	<2	<2	<2	<2
Diisobutylketone (DIBK)	mg/m^3	<20	<20	<20	<20	<20
Diisobutylketone (DIBK)	ppm	<5	<5	<5	<5	<5
Methyl Ethyl Ketone (MEK)	µg/tube	<10	<10	<10	<10	<10
Methyl Ethyl Ketone (MEK)	mg/m^3	<100	<100	<100	<100	<100
Methyl Ethyl Ketone (MEK)	ppm	<25	<25	<25	<25	<25
4-Methyl-2-Pentanone (MIBK)	µg/tube	<2	<2	<2	<2	<2
4-Methyl-2-Pentanone (MIBK)	mg/m^3	<20	<20	<20	<20	<20
4-Methyl-2-Pentanone (MIBK)	ppm	<5	<5	<5	<5	<5
3-Methyl-2-butanone (MIPK)	µg/tube	<2	<2	<2	<2	<2
3-Methyl-2-butanone (MIPK)	mg/m^3	<20	<20	<20	<20	<20
3-Methyl-2-butanone (MIPK)	ppm	<5	<5	<5	<5	<5

VOC in Carbon tubes Our Reference: Your Reference Type of sample	UNITS ---------- ----------	157821-11 118385-35 Tube	157821-12 118385-38 Tube	157821-13 118385-41 Tube	157821-14 118385-44 Tube	157821-15 118385-49 Tube
3-Methylpentane	µg/tube	<2	<2	<2	<2	<2
3-Methylpentane	mg/m^3	<20	<20	<20	<20	<20
3-Methylpentane	ppm	<5	<5	<5	<5	<5
Methylcyclopentane	µg/tube	<2	<2	<2	<2	<2
Methylcyclopentane	mg/m^3	<20	<20	<20	<20	<20
Methylcyclopentane	ppm	<5	<5	<5	<5	<5
Dimethyldisulphide	µg/tube	<2	<2	<2	<2	<2
Dimethyldisulphide	mg/m^3	<20	<20	<20	<20	<20
Dimethyldisulphide	ppm	<5	<5	<5	<5	<5
Cyclohexane	µg/tube	<2	<2	<2	<2	<2
Cyclohexane	mg/m3	<20	<20	<20	<20	<20
Cyclohexane	ppm	<5	<5	<5	<5	<5
Acrylonitrile	µg/tube	<5	<5	<5	<5	<5
Acrylonitrile	mg/m^3	<50	<50	<50	<50	<50
Acrylonitrile	ppm	<12.5	<12.5	<12.5	<12.5	<12.5
Vinyl Chloride*	µg/tube	<10	<10	<10	<10	<10
Vinyl Chloride*	mg/m3	<100	<100	<100	<100	<100
Vinyl Chloride*	ppm	<25	<25	<25	<25	<25

VOC in Carbon tubes Our Reference: Your Reference Type of sample	UNITS ---------- ----------	157821-16 118385-52 Tube	157821-17 118385-55 Tube	157821-18 118385-58 Tube
Benzene	µg/tube	<2	<2	<2
Benzene	mg/m^3	<20	<20	<20
Benzene	ppm	<5	<5	<5
Toluene	µg/tube	<2	<2	<2
Toluene	mg/m^3	<20	<20	<20
Toluene	ppm	<5	<5	<5
Ethylbenzene	µg/tube	<2	<2	<2
Ethylbenzene	mg/m^3	<20	<20	<20
Ethylbenzene	ppm	<5	<5	<5
m+p Xylene	µg/tube	<4	<4	<4
m+p Xylene	mg/m^3	<40	<40	<40
m+p Xylene	ppm	<10	<10	<10
o Xylene	µg/tube	<2	<2	<2
o Xylene	mg/m^3	<20	<20	<20
o Xylene	ppm	<5	<5	<5
Styrene	µg/tube	<2	<2	<2
Styrene	mg/m^3	<20	<20	<20
Styrene	ppm	<5	<5	<5
Isopropylbenzene (Cumene)	µg/tube	<2	<2	<2
Isopropylbenzene (Cumene)	mg/m^3	<20	<20	<20

VOC in Carbon tubes Our Reference: Your Reference Type of sample	UNITS ---------- ----------	157821-16 118385-52 Tube	157821-17 118385-55 Tube	157821-18 118385-58 Tube
Isopropylbenzene (Cumene)	ppm	<5	<5	<5
n-propylbenzene	µg/tube	<2	<2	<2
n-propylbenzene	mg/m^3	<20	<20	<20
n-propylbenzene	ppm	<5	<5	<5
1,3,5-Trimethylbenzene	µg/tube	<2	<2	<2
1,3,5-Trimethylbenzene	mg/m^3	<20	<20	<20
1,3,5-Trimethylbenzene	ppm	<5	<5	<5
t-butylbenzene	µg/tube	<2	<2	<2
t-butylbenzene	mg/m^3	<20	<20	<20
t-butylbenzene	ppm	<5	<5	<5
1,2,4-Trimethylbenzene	µg/tube	<2	<2	<2
1,2,4-Trimethylbenzene	mg/m^3	<20	<20	<20
1,2,4-Trimethylbenzene	ppm	<5	<5	<5
s-butylbenzene	µg/tube	<2	<2	<2
s-butylbenzene	mg/m^3	<20	<20	<20
s-butylbenzene	ppm	<5	<5	<5
4-Isopropyltoluene	µg/tube	<2	<2	<2
4-Isopropyltoluene	mg/m^3	<20	<20	<20
4-Isopropyltoluene	ppm	<5	<5	<5
n-butylbenzene	µg/tube	<2	<2	<2
n-butylbenzene	mg/m^3	<20	<20	<20
n-butylbenzene	ppm	<5	<5	<5
Naphthalene	µg/tube	<2	<2	<2
Naphthalene	mg/m^3	<20	<20	<20
Naphthalene	ppm	<5	<5	<5
1,1-Dichloroethene	µg/tube	<2	<2	<2
1,1-Dichloroethene	mg/m^3	<20	<20	<20
1,1-Dichloroethene	ppm	<5	<5	<5
Trans-1,2-dichloroethene	µg/tube	<2	<2	<2
Trans-1,2-dichloroethene	mg/m^3	<20	<20	<20
Trans-1,2-dichloroethene	ppm	<5	<5	<5
1,1-Dichloroethane	µg/tube	<2	<2	<2
1,1-Dichloroethane	mg/m^3	<20	<20	<20
1,1-Dichloroethane	ppm	<5	<5	<5
Cis-1,2-dichloroethene	µg/tube	<2	8	<2
Cis-1,2-dichloroethene	mg/m^3	<20	79	<20
Cis-1,2-dichloroethene	ppm	<5	20	<5
2,2-Dichloropropane	µg/tube	<2	<2	<2
2,2-Dichloropropane	mg/m^3	<20	<20	<20
2,2-Dichloropropane	ppm	<5	<5	<5
Bromochloromethane	µg/tube	<2	<2	<2
Bromochloromethane	mg/m^3	<20	<20	<20

Client Reference: 118385

VOC in Carbon tubes Our Reference: Your Reference Type of sample	UNITS ---------- ----------	157821-16 118385-52 Tube	157821-17 118385-55 Tube	157821-18 118385-58 Tube
Bromochloromethane	ppm	<5	<5	<5
Trichloromethane (Chloroform)	µg/tube	<2	<2	<2
Trichloromethane (Chloroform)	mg/m^3	<20	<20	<20
Trichloromethane (Chloroform)	ppm	<5	<5	<5
1,1,1,-Trichloroethane	µg/tube	<2	<2	<2
1,1,1,-Trichloroethane	mg/m^3	<20	<20	<20
1,1,1,-Trichloroethane	ppm	<5	<5	<5
1,1-Dichloropropene	µg/tube	<2	<2	<2
1,1-Dichloropropene	mg/m^3	<20	<20	<20
1,1-Dichloropropene	ppm	<5	<5	<5
1,2-Dichloroethane	µg/tube	<2	<2	<2
1,2-Dichloroethane	mg/m^3	<20	<20	<20
1,2-Dichloroethane	ppm	<5	<5	<5
Carbon Tetrachloride	µg/tube	<2	<2	<2
Carbon Tetrachloride	mg/m^3	<20	<20	<20
Carbon Tetrachloride	ppm	<5	<5	<5
Trichloroethene (TCE)	µg/tube	<2	<2	<2
Trichloroethene (TCE)	mg/m^3	<20	<20	<20
Trichloroethene (TCE)	ppm	<5	<5	<5
1,2-Dichloropropane	µg/tube	<2	<2	<2
1,2-Dichloropropane	mg/m^3	<20	<20	<20
1,2-Dichloropropane	ppm	<5	<5	<5
Dibromomethane	µg/tube	<2	<2	<2
Dibromomethane	mg/m^3	<20	<20	<20
Dibromomethane	ppm	<5	<5	<5
Bromodichloromethane	µg/tube	<2	<2	<2
Bromodichloromethane	mg/m^3	<20	<20	<20
Bromodichloromethane	ppm	<5	<5	<5
cis-13-dichloropropene	µg/tube	<2	<2	<2
cis-13-dichloropropene	mg/m^3	<20	<20	<20
cis-13-dichloropropene	ppm	<5	<5	<5
trans-1,3-dichloropropene	µg/tube	<2	<2	<2
trans-1,3-dichloropropene	mg/m^3	<20	<20	<20
trans-1,3-dichloropropene	ppm	<5	<5	<5
1,1,2,-Trichloroethane	µg/tube	<2	<2	<2
1,1,2,-Trichloroethane	mg/m^3	<20	<20	<20
1,1,2,-Trichloroethane	ppm	<5	<5	<5
1,3-Dichloropropane	µg/tube	<2	<2	<2
1,3-Dichloropropane	mg/m^3	<20	<20	<20
1,3-Dichloropropane	ppm	<5	<5	<5
Chlorodibromomethane	µg/tube	<2	<2	<2
Chlorodibromomethane	mg/m^3	<20	<20	<20

VOC in Carbon tubes Our Reference: Your Reference Type of sample	UNITS ---------- ----------	157821-16 118385-52 Tube	157821-17 118385-55 Tube	157821-18 118385-58 Tube
Chlorodibromomethane	ppm	<5	<5	<5
Tetrachloroethene (PCE)	µg/tube	<2	5	5
Tetrachloroethene (PCE)	mg/m^3	<20	51	51
Tetrachloroethene (PCE)	ppm	<5	7.5	7.5
1,2-dibromoethane	µg/tube	<2	<2	<2
1,2-dibromoethane	mg/m^3	<20	<20	<20
1,2-dibromoethane	ppm	<5	<5	<5
1,1,1,2-Tetrachloroethane	µg/tube	<2	<2	<2
1,1,1,2-Tetrachloroethane	mg/m^3	<20	<20	<20
1,1,1,2-Tetrachloroethane	ppm	<5	<5	<5
Chlorobenzene	µg/tube	<2	<2	<2
Chlorobenzene	mg/m^3	<20	<20	<20
Chlorobenzene	ppm	<5	<5	<5
Tribromomethane (Bromoform)	µg/tube	<2	<2	<2
Tribromomethane (Bromoform)	mg/m^3	<20	<20	<20
Tribromomethane (Bromoform)	ppm	<5	<5	<5
1,1,2,2-Tetrachloroethane	µg/tube	<2	<2	<2
1,1,2,2-Tetrachloroethane	mg/m^3	<20	<20	<20
1,1,2,2-Tetrachloroethane	ppm	<5	<5	<5
1,2,3-Trichloropropane	µg/tube	<2	<2	<2
1,2,3-Trichloropropane	mg/m^3	<20	<20	<20
1,2,3-Trichloropropane	ppm	<5	<5	<5
Bromobenzene	µg/tube	<2	<2	<2
Bromobenzene	mg/m^3	<20	<20	<20
Bromobenzene	ppm	<5	<5	<5
2-Chlorotoluene	µg/tube	<2	<2	<2
2-Chlorotoluene	mg/m^3	<20	<20	<20
2-Chlorotoluene	ppm	<5	<5	<5
4-Chlorotoluene	µg/tube	<2	<2	<2
4-Chlorotoluene	mg/m^3	<20	<20	<20
4-Chlorotoluene	ppm	<5	<5	<5
1,3-Dichlorobenzene	µg/tube	<2	<2	<2
1,3-Dichlorobenzene	mg/m^3	<20	<20	<20
1,3-Dichlorobenzene	ppm	<5	<5	<5
1,4-Dichlorobenzene	µg/tube	<2	<2	<2
1,4-Dichlorobenzene	mg/m^3	<20	<20	<20
1,4-Dichlorobenzene	ppm	<5	<5	<5
1,2-Dichlorobenzene	µg/tube	<2	<2	<2
1,2-Dichlorobenzene	mg/m^3	<20	<20	<20
1,2-Dichlorobenzene	ppm	<5	<5	<5
1,2-Dibromo-3-chloropropane	µg/tube	<2	<2	<2
1,2-Dibromo-3-chloropropane	mg/m^3	<20	<20	<20

Client Reference: 118385

VOC in Carbon tubes Our Reference: Your Reference Type of sample	UNITS ---------- ----------	157821-16 118385-52 Tube	157821-17 118385-55 Tube	157821-18 118385-58 Tube
1,2-Dibromo-3-chloropropane	ppm	<5	<5	<5
1,2,4-Trichlorobenzene	µg/tube	<2	<2	<2
1,2,4-Trichlorobenzene	mg/m^3	<20	<20	<20
1,2,4-Trichlorobenzene	ppm	<5	<5	<5
Hexachlorobutadiene	µg/tube	<2	<2	<2
Hexachlorobutadiene	mg/m^3	<20	<20	<20
Hexachlorobutadiene	ppm	<5	<5	<5
1,2,3-Trichlorobenzene	µg/tube	<2	<2	<2
1,2,3-Trichlorobenzene	mg/m^3	<20	<20	<20
1,2,3-Trichlorobenzene	ppm	<5	<5	<5
Diisobutylketone (DIBK)	µg/tube	<2	<2	<2
Diisobutylketone (DIBK)	mg/m^3	<20	<20	<20
Diisobutylketone (DIBK)	ppm	<5	<5	<5
Methyl Ethyl Ketone (MEK)	µg/tube	<10	<10	<10
Methyl Ethyl Ketone (MEK)	mg/m^3	<100	<100	<100
Methyl Ethyl Ketone (MEK)	ppm	<25	<25	<25
4-Methyl-2-Pentanone (MIBK)	µg/tube	<2	<2	<2
4-Methyl-2-Pentanone (MIBK)	mg/m^3	<20	<20	<20
4-Methyl-2-Pentanone (MIBK)	ppm	<5	<5	<5
3-Methyl-2-butanone (MIPK)	µg/tube	<2	<2	<2
3-Methyl-2-butanone (MIPK)	mg/m^3	<20	<20	<20
3-Methyl-2-butanone (MIPK)	ppm	<5	<5	<5
3-Methylpentane	µg/tube	<2	<2	<2
3-Methylpentane	mg/m^3	<20	<20	<20
3-Methylpentane	ppm	<5	<5	<5
Methylcyclopentane	µg/tube	<2	<2	<2
Methylcyclopentane	mg/m^3	<20	<20	<20
Methylcyclopentane	ppm	<5	<5	<5
Dimethyldisulphide	µg/tube	<2	<2	<2
Dimethyldisulphide	mg/m^3	<20	<20	<20
Dimethyldisulphide	ppm	<5	<5	<5
Cyclohexane	µg/tube	<2	<2	<2
Cyclohexane	mg/m3	<20	<20	<20
Cyclohexane	ppm	<5	<5	<5
Acrylonitrile	µg/tube	<5	<5	<5
Acrylonitrile	mg/m^3	<50	<50	<50
Acrylonitrile	ppm	<12.5	<12.5	<12.5
Vinyl Chloride*	µg/tube	<10	<10	<10
Vinyl Chloride*	mg/m3	<100	<100	<100
Vinyl Chloride*	ppm	<25	<25	<25

Method ID	Methodology Summary
ORG-023	Organic Vapours using GC-FID and GC-MS analysis in accordance with NIOSH methodolgy.

Site Log Sheet and Chain of Custody | **Soil Gas and Sub-slab Gas Monitoring**

SGS Leeder Consulting Client: Greencap / AECC
Client Contact: Greg Nield
Project / Site: Cliff St. Glenelg
Sampling Methods: TDT / Carbon tube

Job Number: J125792
Weather: Warm, Sunny.
Leak Testing: Helium + ~~IPA~~ Aerosol
Sheet: 1 of 1

Location ID: QSV2 | PID: 18.6 | Rotameter #: Defender
Time / Date: 23/10/14 | Shut in Test: ok | Pump #: 72/27
Purge Volume: | Vacuum (in. Hg): — | Sampled by: GN

Tube ID Number	Time	Flow (L/min)	Volume (L)	Analysis Required	Comments:
M: 172813	1 minute	99.2		TO-17 + TRH	(incl. NEPM 2013 fract
M: 155 270	5 minute	99.2		TO-17 + TRH	" " "
4879620201 (Carbon tube)	1min	100.5			back up tube.

Notes:

Location ID: QSV4 | PID: 1.8 | Rotameter #: Defender
Time / Date: 24/10/14 | Shut in Test: ok | Pump #: 27
Purge Volume: | Vacuum (in. Hg): — | Sampled by: GN

Tube ID Number	Time	Flow (L/min)	Volume (L)	Analysis Required	Comments:
M: 172825	1 min	101.1		TO-17 + TRH	(inc NEPM 2013 fract)
M: 172818	5 min	101.1		"	" " "
3653905734 (Carbon tube)	1 min	100.1			back up tube

Notes:

Location ID: | PID: | Rotameter #:
Time / Date: | Shut in Test: | Pump #:
Purge Volume: | Vacuum (in. Hg): | Sampled by:

Tube ID Number	Time	Flow (L/min)	Volume (L)	Analysis Required	Comments:

Notes:

Relinquished by: Greg Nield	Received by: Lyndall Stevens	In esky? Yes/No
Signature:	Signature:	With ice brick? Yes/No
Date: 24/10/14 Time:	Date: 25/10/14 Time: 10:30am	

AEC Environmental Pty Ltd 12 Greenhill Road Wayville SA 5034 Phone 8299 9955 Fax 8299 9954

AEC Environmental

Site Log Sheet

Monitoring type:	AEC Job Ref:	Project / Site	Sheet
Vapour Sampling	S125792	Glenelg East, Cliff St	1 of 1

Location ID	Tube/Canister No.	Pump No.	Date On	Time On	Flow rate ml/min	Date Off	Time Off	Run Time minutes	~~Analysis Required~~ Type
QSV2	4879620201	72	29/10/14		100.5			1min	Carbon tube
"	Mi172813	27	"		99.2			1min	TDT
"	Mi155270	27	"		99.2			5min	TDT
QSV4	Mi172825	27	29/10/14		101.1			1min	TDT
"	Mi172818	27	29/10/14		101.1			5min	TDT
"	3653905734	27	"		100.1			1min	Carbon tube

Sampled By: GNc

Notes:

RECEIVED
29 OCT 2014
BY:

Melbourne Office
Unit 3-5, 18 Redland Drive
Mitcham VIC 3132
Tel: +613 9874 1988
Fax: +613 9874 1933
email: AU.SampleReceipt.Mitcham@sgs.com

A.B.N. 44 000 964 278

Sample Receipt Acknowledgement

To:	Gregory Nield	From:	Evan Jones
Fax:	08 8299 9954	Pages:	(1) including this page
Co:	Greencap	Date:	29/10/2014
Email	greg.nield@aecaust.com.au	Ref:	M142186

SGS Leeder Consulting has received your samples from the project listed below.
If you have any enquiries please contact us quoting our reference number.

Project/Reference No.:	J125792
Our Reference Number:	**M142186**
Date Received:	29-Oct-2014
Estimated date of report:	10-Nov-2014

Additional Information:

Samples received after 4 pm are considered as received on the next working day for turnaround purposes.
Samples with a 24hr or 48hr TAT are considered as received on the next working day if received after 2:30pm.
Surcharges for urgent turnaround requests may apply.
All analytical work is conducted at our Melbourne office.
Sample Storage - All aqueous samples are stored for two weeks after reporting.
- All soils and other samples are stored for three months after reporting.
- All food samples are stored for one month after reporting.

Please direct any technical or turnaround queries to Adam Atkinson at our Melbourne office.

SGS LEEDER
CONSULTING

Specialist Laboratory Services

A.B.N. 44 000 964 278
3 - 5, 18 Redland Drive
Mitcham, Vic, 3132
Telephone: (03) 9874 1988
Fax: (03) 9874 1933

Chartered Chemists

12-Nov-2014

REPORT NUMBER: M142186

Site/Client Ref: J125792

Greencap

PO Box 582
Unley

SOUTH AUSTRALIA 5061
Attention: Gregory Nield

CERTIFICATE OF ANALYSIS

SAMPLES:	Four samples were received for analysis
DATE RECEIVED:	**29-Oct-2014**
DATE COMMENCED:	**29-Oct-2014**
METHODS:	See Attached Results
RESULTS:	Please refer to attached pages for results.

Note: Results are based on samples as received at SGS Leeder Consulting's laboratories
Results in airbourne concentrations are calculated using data provided by the client

REPORTED BY:

Evan Jones
Laboratory Manager

NATA Accredited Laboratory Number: 14429

Accredited for compliance
with ISO/IEC 17025.

(I) RESULTS

Report N°: M142186

Matrix: Thermal Desorption Tube

Method: TO-17.01 Volatile Organics (w/v)

Sample units are expressed in µg/m³

	Leeder ID	2014021316	2014021318
	Client ID	QSV2 Mi155270	QSV4 Mi172818
Analyte Name	**PQL**		
Benzene		280	17
Bromobenzene		<10	<9.8
Bromochloromethane		<10	<9.8
Bromodichloromethane		<10	<9.8
n-Butylbenzene		<10	<9.8
sec-Butylbenzene		<10	<9.8
tert-Butylbenzene		<10	<9.8
Carbon tetrachloride		<10	<9.8
Chlorobenzene		<10	<9.8
Chloroethane		<10	<9.8
Chloromethane		<10	<9.8
2-Chlorotoluene		<10	<9.8
4-Chlorotoluene		<10	<9.8
1,2-Dibromo-3-chloropropane		<10	<9.8
Dibromochloromethane		<10	<9.8
1,2-Dibromoethane		<10	<9.8
Dibromomethane		<10	<9.8
1,2-Dichlorobenzene		<10	<9.8
1,3-Dichlorobenzene		<10	<9.8
1,4-Dichlorobenzene		<10	<9.8
Dichlorodifluoromethane		50000	<9.8
1,2-Dichloroethane		<10	<9.8
1,1-Dichloroethane		<10	<9.8
1,1-Dichloroethene		<10	<9.8

(I) RESULTS

Report N°: M142186

Matrix: Thermal Desorption Tube

Method: TO-17.01 Volatile Organics (w/v)

Sample units are expressed in µg/m³

	Leeder ID	2014021316	2014021318
	Client ID	QSV2 Mi155270	QSV4 Mi172818
Analyte Name	**PQL**		
cis-1,2-Dichloroethene		540	56
trans-1,2-Dichloroethene		170	<9.8
1,2-Dichloropropane		<10	<9.8
1,3-Dichloropropane		<10	<9.8
2,2-Dichloropropane		<10	<9.8
1,1-Dichloropropene		<10	<9.8
cis-1,3-Dichloropropene		<10	<9.8
trans-1,3-Dichloropropene		<10	<9.8
Ethylbenzene		<10	<9.8
Hexachlorobutadiene		<10	<9.8
Isopropylbenzene		<10	<9.8
4-Isopropyltoluene		<10	<9.8
Naphthalene		<10	<9.8
Propylbenzene		<10	<9.8
Styrene		<10	<9.8
1,1,1,2-Tetrachloroethane		<10	<9.8
1,1,2,2-Tetrachloroethane		<10	<9.8
Tetrachloroethene		<10	650
Toluene		22	10
Tribromomethane		<10	<9.8
1,2,3-Trichlorobenzene		<10	<9.8
1,2,4-Trichlorobenzene		<10	<9.8
1,1,1-Trichloroethane		<10	<9.8
1,1,2-Trichloroethane		<10	<9.8
Trichloroethene		280	200

(I) RESULTS

Report N°: M142186

Matrix: Thermal Desorption Tube

Method: TO-17.01 Volatile Organics (w/v)

Sample units are expressed in µg/m³

	Leeder ID	2014021316	2014021318
	Client ID	QSV2 Mi155270	QSV4 Mi172818
Analyte Name	**PQL**		
Trichlorofluoromethane		<10	<9.8
Trichloromethane		<10	10
1,2,3-Trichloropropane		<10	<9.8
1,2,4-Trimethylbenzene		31	15
1,3,5-Trimethylbenzene		<10	<9.8
Vinyl chloride		<10	<9.8
Xylenes		25	10

(I) RESULTS

Report N°: M142186

Matrix: Thermal Desorption Tube

Method: TO-17.02 Volatile Organics

Sample units are expressed in ng/tube

	Leeder ID	2014021319
	Client ID	Method
Analyte Name	**PQL**	Blank
Benzene	5	nd
Bromobenzene	5	nd
Bromochloromethane	5	nd
Bromodichloromethane	5	nd
n-Butylbenzene	5	nd
sec-Butylbenzene	5	nd
tert-Butylbenzene	5	nd
Carbon tetrachloride	5	nd
Chlorobenzene	5	nd
Chloroethane	5	nd
Chloromethane	5	nd
2-Chlorotoluene	5	nd
4-Chlorotoluene	5	nd
1,2-Dibromo-3-chloropropane	5	nd
Dibromochloromethane	5	nd
1,2-Dibromoethane	5	nd
Dibromomethane	5	nd
1,2-Dichlorobenzene	5	nd
1,3-Dichlorobenzene	5	nd
1,4-Dichlorobenzene	5	nd
Dichlorodifluoromethane	5	nd
1,2-Dichloroethane	5	nd
1,1-Dichloroethane	5	nd
1,1-Dichloroethene	5	nd

(I) RESULTS

Report N°: M142186

Matrix: Thermal Desorption Tube

Method: TO-17.02 Volatile Organics

Sample units are expressed in ng/tube

	Leeder ID	2014021319
	Client ID	Method
Analyte Name	**PQL**	Blank
cis-1,2-Dichloroethene	5	nd
trans-1,2-Dichloroethene	5	nd
1,2-Dichloropropane	5	nd
1,3-Dichloropropane	5	nd
2,2-Dichloropropane	5	nd
1,1-Dichloropropene	5	nd
cis-1,3-Dichloropropene	5	nd
trans-1,3-Dichloropropene	5	nd
Ethylbenzene	5	nd
Hexachlorobutadiene	5	nd
Isopropylbenzene	5	nd
4-Isopropyltoluene	5	nd
Naphthalene	5	nd
Propylbenzene	5	nd
Styrene	5	nd
1,1,1,2-Tetrachloroethane	5	nd
1,1,2,2-Tetrachloroethane	5	nd
Tetrachloroethene	5	nd
Toluene	5	nd
Tribromomethane	5	nd
1,2,3-Trichlorobenzene	5	nd
1,2,4-Trichlorobenzene	5	nd
1,1,1-Trichloroethane	5	nd
1,1,2-Trichloroethane	5	nd
Trichloroethene	5	nd

(I) RESULTS

Report N°: M142186

Matrix: Thermal Desorption Tube

Method: TO-17.02 Volatile Organics

Sample units are expressed in ng/tube

	Leeder ID	2014021319
	Client ID	Method
Analyte Name	**PQL**	Blank
Trichlorofluoromethane	5	nd
Trichloromethane	5	nd
1,2,3-Trichloropropane	5	nd
1,2,4-Trimethylbenzene	5	nd
1,3,5-Trimethylbenzene	5	nd
Vinyl chloride	5	nd
Xylenes	5	nd

Matrix: Thermal Desorption Tube

Method: TO-17 TPH.03 mg/m3 (w/v)

Sample units are expressed in mg/m³

	Leeder ID	2014021316	2014021318
	Client ID	QSV2 Mi155270	QSV4 Mi172818
Analyte Name	**PQL**		
C6-C10		46	1.4
C6-C10 (less BTEX)		46	1.4
>C10-C16		2.3	0.61
>C10-C16 (less Naphthalene)		2.3	0.61

(I) RESULTS

Report N°: M142186

Matrix: Thermal Desorption Tube

Method: TO-17 TPH.04

Sample units are expressed in µg total

	Leeder ID	2014021319
	Client ID	Method
Analyte Name	**PQL**	Blank
>C10-C16	0.1	nd
C6-C10	0.1	nd

Matrix: Thermal Desorption Tube

Method: TO-17 Isopropanol (w/v)

Sample units are expressed in mg/m³

	Leeder ID	2014021316	2014021318
	Client ID	QSV2 Mi155270	QSV4 Mi172818
Analyte Name	**PQL**		
Isopropanol		<1	<0.98

(I) RESULTS

Report N°: M142186

Matrix: Thermal Desorption Tube

Method: TO-17 Isopropanol

Sample units are expressed in µg total

	Leeder ID	2014021319
	Client ID	Method
Analyte Name	**PQL**	Blank
Isopropanol	0.5	nd

(II) QUALITY CONTROL

Report N°: M142186

Matrix: Thermal Desorption Tube

Method: TO-17.02 Volatile Organics

Quality Control Results are expressed in Percent Recovery of expected result

	Leeder ID	2014021320	2014021321
	Client ID	Method	Method
Analyte Name	**PQL**	Spike	Spike Dup
Benzene		99	94
Bromodichloromethane		102	96
Carbon tetrachloride		97	93
Chlorobenzene		101	98
Dibromochloromethane		99	96
1,2-Dichlorobenzene		101	99
1,4-Dichlorobenzene		97	94
1,2-Dichloroethane		100	94
1,1-Dichloroethene		109	108

(II) QUALITY CONTROL

Report N°: M142186

Matrix: Thermal Desorption Tube

Method: TO-17.02 Volatile Organics

Quality Control Results are expressed in Percent Recovery of expected result

	Leeder ID	2014021320	2014021321
	Client ID	Method	Method
Analyte Name	**PQL**	Spike	Spike Dup
cis-1,2-Dichloroethene		99	98
trans-1,2-Dichloroethene		107	103
1,2-Dichloropropane		104	99
Ethylbenzene		100	97
Styrene		99	97
Tetrachloroethene		100	97
Toluene		100	95
Tribromomethane		99	93
1,2,4-Trichlorobenzene		94	93
1,1,1-Trichloroethane		103	97
1,1,2-Trichloroethane		103	98
Trichloroethene		101	96

Matrix: Thermal Desorption Tube

Method: TO-17.02 Volatile Organics

Quality Control Results are expressed in Percent Recovery of expected result

	Leeder ID	2014021320	2014021321
	Client ID	Method	Method
Analyte Name	**PQL**	Spike	Spike Dup
Trichloromethane		103	98
Vinyl chloride		110	111
Xylenes		103	101

(II) QUALITY CONTROL

Report N°: M142186

Matrix: Thermal Desorption Tube

Method: TO-17 TPH.04

Quality Control Results are expressed in Percent Recovery of expected result

	Leeder ID	2014021320	2014021321
	Client ID	Method	Method
Analyte Name	**PQL**	Spike	Spike Dup
>C10-C16		115	92
C6-C10		97	94

QUALIFIERS / NOTES FOR REPORTED RESULTS

PQL	Practical Quantitation Limit
is	Insufficient Sample to perform this analysis.
T	Tentative identification based on computer library search of mass spectra.
nd	Not Detected – The analyte was not detected above the reported PQL.
NC	Not calculated and/or Results below PQL
nr	Not Requested for analysis.
R	Rejected Result – results for this analysis failed QC checks.
SQ	Semi-Quantitative result – quantitation based on a generic response factor for this class of analyte.
IM	Inappropriate method of analysis for this compound
U	Unable to provide Quality Control data – high levels of compounds in sample interfered with analysis of QC results.
UF	Unable to provide Quality Control data- Surrogates failed QCchecks due to sample matrix effects
L	Analyte detected at a level above the linear response of calibration curve.
E	Estimated result. NATA accreditation does not cover estimated results.
C1	These compounds co-elute.
--	Parameter Not Determined
CT	Elevated concentration. Results reported from carbon tube analysis
**	Sample shows non-petroleum hydrocarbon profile

APPENDIX ONE.

CHAIN OF CUSTODY DOCUMENT

Site Log Sheet and Chain of Custody | **Soil Gas and Sub-slab Gas Monitoring**

SGS Leeder Consulting Client: Greencap / AECC
Client Contact: Greg Nield
Project / Site: Cliff St. Glenelg
Sampling Methods: TDT / Carbon tube

Job Number: J125792
Weather: Warm, Sunny.
Leak Testing: Helium + ~~IPA~~ Aerosol
Sheet: 1 of 1

Location ID: QSV2 | PID: 18.6 | Rotameter #: Defender
Time / Date: 23/10/14 | Shut in Test: ok | Pump #: 72/27
Purge Volume: | Vacuum (in. Hg): — | Sampled by: GN

Tube ID Number	Time	Flow (L/min)	Volume (L)	Analysis Required	Comments:
M: 172813	1 minute	99.2		TO-17 + TRH	(incl. NEPM 2013 fract
M: 155 270	5 minute	99.2		TO-17 + TRH	" " "
4879620201 (Carbon tube)	1min	100.5			back up tube.

Notes:

Location ID: QSV4 | PID: 1.8 | Rotameter #: Defender
Time / Date: 24/10/14 | Shut in Test: ok | Pump #: 27
Purge Volume: | Vacuum (in. Hg): — | Sampled by: GN

Tube ID Number	Time	Flow (L/min)	Volume (L)	Analysis Required	Comments:
M: 172825	1 min	101.1		TO-17 + TRH	(inc NEPM 2013 fract)
M: 172818	5 min	101.1		"	" " "
3653905734 (Carbon tube)	1 min	100.1			back up tube

Notes:

Location ID: | PID: | Rotameter #:
Time / Date: | Shut in Test: | Pump #:
Purge Volume: | Vacuum (in. Hg): | Sampled by:

Tube ID Number	Time	Flow (L/min)	Volume (L)	Analysis Required	Comments:

Notes:

Relinquished by: Greg Nield	Received by: Lyndall Stevens	In esky? Yes/No
Signature:	Signature:	With ice brick? Yes/No
Date: 24/10/14 Time:	Date: 25/10/14 Time: 10:30am	

AEC Environmental Pty Ltd 12 Greenhill Road Wayville SA 5034 Phone 8299 9955 Fax 8299 9954

AEC Environmental

Site Log Sheet

Monitoring type:	AEC Job Ref:	Project / Site	Sheet
Vapour Sampling	S125792	Glenelg East, Cliff St	1 of 1

Location ID	Tube/Canister No.	Pump No.	Date On	Time On	Flow rate ml/min	Date Off	Time Off	Run Time minutes	~~Analysis Required~~ Type
QSV2	4879620201	72	29/10/14		100.5			1min	Carbon tube
"	Mi172813	27	"		99.2			1min	TDT
"	Mi155270	27	"		99.2			5min	TDT
QSV4	Mi172825	27	29/10/14		101.1			1min	TDT
"	Mi172818	27	29/10/14		101.1			5min	TDT
"	3653905734	27	"		100.1			1min	Carbon tube

Sampled By: GNc

Notes:

RECEIVED
29 OCT 2014
BY: