

# Appendix G

11-14-14 Downwind-1 Dust  
TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,11/14/2014  
Start Time:,08:16:34  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.012  
,Minimum:,0.005  
,Time of Minimum:,12:46:34  
,Date of Minimum:,11/14/2014  
,Maximum:,0.021  
,Time of Maximum:,15:31:34  
,Date of Maximum:,11/14/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/14/2014,08:31:34,0.016  
11/14/2014,08:46:34,0.017  
11/14/2014,09:01:34,0.019  
11/14/2014,09:16:34,0.019  
11/14/2014,09:31:34,0.019  
11/14/2014,09:46:34,0.019  
11/14/2014,10:01:34,0.018  
11/14/2014,10:16:34,0.018  
11/14/2014,10:31:34,0.018  
11/14/2014,10:46:34,0.016  
11/14/2014,11:01:34,0.018  
11/14/2014,11:16:34,0.016  
11/14/2014,11:31:34,0.016  
11/14/2014,11:46:34,0.014  
11/14/2014,12:01:34,0.011  
11/14/2014,12:16:34,0.007  
11/14/2014,12:31:34,0.007  
11/14/2014,12:46:34,0.005  
11/14/2014,13:01:34,0.005  
11/14/2014,13:16:34,0.005  
11/14/2014,13:31:34,0.006  
11/14/2014,13:46:34,0.006  
11/14/2014,14:01:34,0.007  
11/14/2014,14:16:34,0.007  
11/14/2014,14:31:34,0.008  
11/14/2014,14:46:34,0.007  
11/14/2014,15:01:34,0.009  
11/14/2014,15:16:34,0.009  
11/14/2014,15:31:34,0.021  
11/14/2014,15:46:34,0.010

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_A  
Start Date:,11/14/2014  
Start Time:,13:47:28

11-14-14 Downwind-1 Dust

Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.007  
,Minimum:,0.006  
,Time of Minimum:,13:49:28  
,Date of Minimum:,11/14/2014  
,Maximum:,0.020  
,Time of Maximum:,13:48:28  
,Date of Maximum:,11/14/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/14/2014,13:48:28,0.020  
11/14/2014,13:49:28,0.006  
11/14/2014,13:50:28,0.006  
11/14/2014,13:51:28,0.006  
11/14/2014,13:52:28,0.006  
11/14/2014,13:53:28,0.007  
11/14/2014,13:54:28,0.006  
11/14/2014,13:55:28,0.006  
11/14/2014,13:56:28,0.007  
11/14/2014,13:57:28,0.007  
11/14/2014,13:58:28,0.006  
11/14/2014,13:59:28,0.006  
11/14/2014,14:00:28,0.007  
11/14/2014,14:01:28,0.006  
11/14/2014,14:02:28,0.007

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_B  
Start Date:,11/14/2014  
Start Time:,15:27:55  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.023  
,Minimum:,0.008  
,Time of Minimum:,15:41:55  
,Date of Minimum:,11/14/2014  
,Maximum:,0.151  
,Time of Maximum:,15:28:55  
,Date of Maximum:,11/14/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/14/2014,15:28:55,0.151  
11/14/2014,15:29:55,0.035  
11/14/2014,15:30:55,0.028  
11/14/2014,15:31:55,0.010

11-14-14 Downwind-1 Dust

11/14/2014,15:32:55,0.009  
11/14/2014,15:33:55,0.010  
11/14/2014,15:34:55,0.024  
11/14/2014,15:35:55,0.010  
11/14/2014,15:36:55,0.010  
11/14/2014,15:37:55,0.010  
11/14/2014,15:38:55,0.009  
11/14/2014,15:39:55,0.009  
11/14/2014,15:40:55,0.009  
11/14/2014,15:41:55,0.008  
11/14/2014,15:42:55,0.008

11-14-14 Downwind-1 VOC

14/11/14 08:13

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907926  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Battery Low  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 11/14/2014 08:13:10  
 End 11/14/2014 13:53:25  
 Sample Period(s) 900  
 Number of Records 22  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 11/14/2014 07:30  
 Peak 0.182  
 Min 0.103  
 Average 0.156  
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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	11/14/2014 08:28:10	0.104	0.458	0.105	
002	11/14/2014 08:43:10	0.103	0.114	0.103	
003	11/14/2014 08:58:10	0.109	0.143	0.116	
004	11/14/2014 09:13:10	0.118	0.139	0.125	
005	11/14/2014 09:28:10	0.133	0.156	0.139	
006	11/14/2014 09:43:10	0.144	0.164	0.141	
007	11/14/2014 09:58:10	0.148	0.186	0.153	
008	11/14/2014 10:13:10	0.154	0.173	0.153	
009	11/14/2014 10:28:10	0.159	0.206	0.159	
010	11/14/2014 10:43:10	0.162	0.235	0.158	
011	11/14/2014 10:58:10	0.165	0.214	0.161	
012	11/14/2014 11:13:10	0.169	0.185	0.168	
013	11/14/2014 11:28:10	0.180	0.365	0.177	
014	11/14/2014 11:43:10	0.178	0.202	0.178	
015	11/14/2014 11:58:10	0.178	0.193	0.180	
016	11/14/2014 12:13:10	0.179	0.210	0.179	
017	11/14/2014 12:28:10	0.178	0.207	0.182	
018	11/14/2014 12:43:10	0.178	0.234	0.172	
019	11/14/2014 12:58:10	0.176	0.231	0.178	
020	11/14/2014 13:13:10	0.172	0.196	0.174	
021	11/14/2014 13:28:10	0.173	0.241	0.171	
022	11/14/2014 13:43:10	0.168	0.200	0.171	
Peak		0.180	0.458	0.182	
Min		0.103	0.114	0.103	
Average		0.156	0.211	0.156	

11-14-14 Downwind-1 VOC

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)	
001	11/14/2014 08:28:10	0.003	0.105	
002	11/14/2014 08:43:10	0.006	0.103	
003	11/14/2014 08:58:10	0.010	0.116	
004	11/14/2014 09:13:10	0.014	0.125	
005	11/14/2014 09:28:10	0.018	0.139	
006	11/14/2014 09:43:10	0.023	0.141	
007	11/14/2014 09:58:10	0.028	0.153	
008	11/14/2014 10:13:10	0.032	0.153	
009	11/14/2014 10:28:10	0.037	0.159	
010	11/14/2014 10:43:10	0.042	0.158	
011	11/14/2014 10:58:10	0.047	0.161	
012	11/14/2014 11:13:10	0.053	0.168	
013	11/14/2014 11:28:10	0.058	0.177	
014	11/14/2014 11:43:10	0.064	0.178	
015	11/14/2014 11:58:10	0.069	0.180	
016	11/14/2014 12:13:10	0.075	0.179	
017	11/14/2014 12:28:10	0.081	0.182	
018	11/14/2014 12:43:10	0.086	0.172	
019	11/14/2014 12:58:10	0.091	0.178	
020	11/14/2014 13:13:10	0.097	0.174	
021	11/14/2014 13:28:10	0.102	0.171	
022	11/14/2014 13:43:10	0.108	0.171	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,11/14/2014  
Start Time:,08:09:57  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.011  
,Minimum:,0.004  
,Time of Minimum:,12:54:57  
,Date of Minimum:,11/14/2014  
,Maximum:,0.019  
,Time of Maximum:,09:09:57  
,Date of Maximum:,11/14/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/14/2014,08:24:57,0.015  
11/14/2014,08:39:57,0.014  
11/14/2014,08:54:57,0.018  
11/14/2014,09:09:57,0.019  
11/14/2014,09:24:57,0.017  
11/14/2014,09:39:57,0.016  
11/14/2014,09:54:57,0.017  
11/14/2014,10:09:57,0.016  
11/14/2014,10:24:57,0.017  
11/14/2014,10:39:57,0.015  
11/14/2014,10:54:57,0.016  
11/14/2014,11:09:57,0.016  
11/14/2014,11:24:57,0.015  
11/14/2014,11:39:57,0.012  
11/14/2014,11:54:57,0.009  
11/14/2014,12:09:57,0.007  
11/14/2014,12:24:57,0.006  
11/14/2014,12:39:57,0.005  
11/14/2014,12:54:57,0.004  
11/14/2014,13:09:57,0.004  
11/14/2014,13:24:57,0.004  
11/14/2014,13:39:57,0.004  
11/14/2014,13:54:57,0.005  
11/14/2014,14:09:57,0.005  
11/14/2014,14:24:57,0.008  
11/14/2014,14:39:57,0.007  
11/14/2014,14:54:57,0.009  
11/14/2014,15:09:57,0.009  
11/14/2014,15:24:57,0.009  
11/14/2014,15:39:57,0.016

11-14-14 Downwind-2 VOC

14/11/14 07:33

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-913116  
 Unit Firmware Ver V1.20A  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 11/14/2014 07:33:36  
 End 11/14/2014 15:55:37  
 Sample Period(s) 900  
 Number of Records 33  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 5.000  
 Measurement Gas Isobutylene  
 Calibration Time 11/14/2014 07:32  
 Peak 0.307  
 Min 0.060  
 Average 0.089

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	11/14/2014 07:48:36	0.255	0.454	0.203	
002	11/14/2014 08:03:36	0.257	0.318	0.307	
003	11/14/2014 08:18:36	0.233	0.328	0.119	
004	11/14/2014 08:33:36	0.089	0.122	0.068	
005	11/14/2014 08:48:36	0.065	0.114	0.079	
006	11/14/2014 09:03:36	0.058	0.091	0.063	
007	11/14/2014 09:18:36	0.059	0.084	0.061	
008	11/14/2014 09:33:36	0.061	0.080	0.060	
009	11/14/2014 09:48:36	0.066	0.084	0.067	
010	11/14/2014 10:03:36	0.069	0.087	0.065	
011	11/14/2014 10:18:36	0.067	0.080	0.067	
012	11/14/2014 10:33:36	0.069	0.088	0.068	
013	11/14/2014 10:48:36	0.070	0.111	0.070	
014	11/14/2014 11:03:36	0.073	0.087	0.075	
015	11/14/2014 11:18:36	0.078	0.097	0.077	
016	11/14/2014 11:33:36	0.080	0.104	0.078	
017	11/14/2014 11:48:36	0.080	0.141	0.079	
018	11/14/2014 12:03:36	0.081	0.136	0.084	
019	11/14/2014 12:18:36	0.080	0.094	0.076	
020	11/14/2014 12:33:36	0.081	0.096	0.083	
021	11/14/2014 12:48:36	0.082	0.104	0.086	
022	11/14/2014 13:03:36	0.081	0.094	0.081	
023	11/14/2014 13:18:36	0.081	0.120	0.075	
024	11/14/2014 13:33:36	0.079	0.094	0.075	
025	11/14/2014 13:48:36	0.080	0.119	0.090	

11-14-14 Downwind-2 VOC					
026	11/14/2014	14:03:36	0.079	0.090	0.078
027	11/14/2014	14:18:36	0.083	0.106	0.081
028	11/14/2014	14:33:36	0.084	0.124	0.092
029	11/14/2014	14:48:36	0.082	0.098	0.080
030	11/14/2014	15:03:36	0.084	0.115	0.085
031	11/14/2014	15:18:36	0.082	0.110	0.079
032	11/14/2014	15:33:36	0.091	0.166	0.084
033	11/14/2014	15:48:36	0.107	0.656	0.112
Peak		0.257	0.656	0.307	
Min		0.058	0.080	0.060	
Average		0.093	0.145	0.089	

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	11/14/2014 07:48:36	0.006	0.203
002	11/14/2014 08:03:36	0.016	0.307
003	11/14/2014 08:18:36	0.020	0.119
004	11/14/2014 08:33:36	0.022	0.068
005	11/14/2014 08:48:36	0.024	0.079
006	11/14/2014 09:03:36	0.026	0.063
007	11/14/2014 09:18:36	0.028	0.061
008	11/14/2014 09:33:36	0.030	0.060
009	11/14/2014 09:48:36	0.032	0.067
010	11/14/2014 10:03:36	0.034	0.065
011	11/14/2014 10:18:36	0.036	0.067
012	11/14/2014 10:33:36	0.038	0.068
013	11/14/2014 10:48:36	0.041	0.070
014	11/14/2014 11:03:36	0.043	0.075
015	11/14/2014 11:18:36	0.045	0.077
016	11/14/2014 11:33:36	0.048	0.078
017	11/14/2014 11:48:36	0.050	0.079
018	11/14/2014 12:03:36	0.053	0.084
019	11/14/2014 12:18:36	0.055	0.076
020	11/14/2014 12:33:36	0.058	0.083
021	11/14/2014 12:48:36	0.060	0.086
022	11/14/2014 13:03:36	0.063	0.081
023	11/14/2014 13:18:36	0.065	0.075
024	11/14/2014 13:33:36	0.068	0.075
025	11/14/2014 13:48:36	0.071	0.090
026	11/14/2014 14:03:36	0.073	0.078
027	11/14/2014 14:18:36	0.075	0.081
028	11/14/2014 14:33:36	0.078	0.092
029	11/14/2014 14:48:36	0.081	0.080
030	11/14/2014 15:03:36	0.084	0.085
031	11/14/2014 15:18:36	0.086	0.079
032	11/14/2014 15:33:36	0.089	0.084
033	11/14/2014 15:48:36	0.092	0.112



TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,11/14/2014  
Start Time:,08:04:28  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.011  
,Minimum:,0.003  
,Time of Minimum:,12:49:28  
,Date of Minimum:,11/14/2014  
,Maximum:,0.022  
,Time of Maximum:,11:49:28  
,Date of Maximum:,11/14/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/14/2014,08:19:28,0.015  
11/14/2014,08:34:28,0.015  
11/14/2014,08:49:28,0.017  
11/14/2014,09:04:28,0.017  
11/14/2014,09:19:28,0.018  
11/14/2014,09:34:28,0.017  
11/14/2014,09:49:28,0.017  
11/14/2014,10:04:28,0.016  
11/14/2014,10:19:28,0.018  
11/14/2014,10:34:28,0.016  
11/14/2014,10:49:28,0.015  
11/14/2014,11:04:28,0.017  
11/14/2014,11:19:28,0.015  
11/14/2014,11:34:28,0.012  
11/14/2014,11:49:28,0.022  
11/14/2014,12:04:28,0.007  
11/14/2014,12:19:28,0.006  
11/14/2014,12:34:28,0.005  
11/14/2014,12:49:28,0.003  
11/14/2014,13:04:28,0.003  
11/14/2014,13:19:28,0.004  
11/14/2014,13:34:28,0.004  
11/14/2014,13:49:28,0.004  
11/14/2014,14:04:28,0.004  
11/14/2014,14:19:28,0.006  
11/14/2014,14:34:28,0.005  
11/14/2014,14:49:28,0.006  
11/14/2014,15:04:28,0.007  
11/14/2014,15:19:28,0.006  
11/14/2014,15:34:28,0.007  
11/14/2014,15:49:28,0.007

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_A  
Start Date:,11/14/2014

11-14-14 Upwind Dust

Start Time:,08:04:48  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.015  
,Minimum:,0.013  
,Time of Minimum:,08:06:48  
,Date of Minimum:,11/14/2014  
,Maximum:,0.026  
,Time of Maximum:,08:05:48  
,Date of Maximum:,11/14/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/14/2014,08:05:48,0.026  
11/14/2014,08:06:48,0.013  
11/14/2014,08:07:48,0.013  
11/14/2014,08:08:48,0.013  
11/14/2014,08:09:48,0.014  
11/14/2014,08:10:48,0.013  
11/14/2014,08:11:48,0.014  
11/14/2014,08:12:48,0.014  
11/14/2014,08:13:48,0.014  
11/14/2014,08:14:48,0.015  
11/14/2014,08:15:48,0.015  
11/14/2014,08:16:48,0.015  
11/14/2014,08:17:48,0.015  
11/14/2014,08:18:48,0.015  
11/14/2014,08:19:48,0.015

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_B  
Start Date:,11/14/2014  
Start Time:,11:43:34  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.019  
,Minimum:,0.006  
,Time of Minimum:,11:53:34  
,Date of Minimum:,11/14/2014  
,Maximum:,0.151  
,Time of Maximum:,11:44:34  
,Date of Maximum:,11/14/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/14/2014,11:44:34,0.151  
11/14/2014,11:45:34,0.029  
11/14/2014,11:46:34,0.011

11-14-14 Upwind Dust

11/14/2014,11:47:34,0.010  
11/14/2014,11:48:34,0.010  
11/14/2014,11:49:34,0.010  
11/14/2014,11:50:34,0.009  
11/14/2014,11:51:34,0.009  
11/14/2014,11:52:34,0.007  
11/14/2014,11:53:34,0.006  
11/14/2014,11:54:34,0.006  
11/14/2014,11:55:34,0.006  
11/14/2014,11:56:34,0.006  
11/14/2014,11:57:34,0.006  
11/14/2014,11:58:34,0.006

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,005  
Test Abbreviation:,MANUAL\_005  
Start Date:,11/15/2014  
Start Time:,08:10:39  
Duration (dd:hh:mm:ss):,0:06:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,26  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.017  
,Minimum:,0.012  
,Time of Minimum:,10:55:39  
,Date of Minimum:,11/15/2014  
,Maximum:,0.024  
,Time of Maximum:,09:25:39  
,Date of Maximum:,11/15/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/15/2014,08:25:39,0.016  
11/15/2014,08:40:39,0.015  
11/15/2014,08:55:39,0.017  
11/15/2014,09:10:39,0.016  
11/15/2014,09:25:39,0.024  
11/15/2014,09:40:39,0.017  
11/15/2014,09:55:39,0.016  
11/15/2014,10:10:39,0.015  
11/15/2014,10:25:39,0.014  
11/15/2014,10:40:39,0.013  
11/15/2014,10:55:39,0.012  
11/15/2014,11:10:39,0.013  
11/15/2014,11:25:39,0.024  
11/15/2014,11:40:39,0.017  
11/15/2014,11:55:39,0.013  
11/15/2014,12:10:39,0.016  
11/15/2014,12:25:39,0.012  
11/15/2014,12:40:39,0.014  
11/15/2014,12:55:39,0.016  
11/15/2014,13:10:39,0.015  
11/15/2014,13:25:39,0.018  
11/15/2014,13:40:39,0.020  
11/15/2014,13:55:39,0.017  
11/15/2014,14:10:39,0.023  
11/15/2014,14:25:39,0.023  
11/15/2014,14:40:39,0.021

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_A  
Start Date:,11/15/2014  
Start Time:,09:22:17  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

11-15-14 Downwind-1 Dust

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.020  
,Minimum:,0.016  
,Time of Minimum:,09:32:17  
,Date of Minimum:,11/15/2014  
,Maximum:,0.065  
,Time of Maximum:,09:23:17  
,Date of Maximum:,11/15/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/15/2014,09:23:17,0.065  
11/15/2014,09:24:17,0.022  
11/15/2014,09:25:17,0.018  
11/15/2014,09:26:17,0.017  
11/15/2014,09:27:17,0.017  
11/15/2014,09:28:17,0.018  
11/15/2014,09:29:17,0.017  
11/15/2014,09:30:17,0.017  
11/15/2014,09:31:17,0.017  
11/15/2014,09:32:17,0.016  
11/15/2014,09:33:17,0.016  
11/15/2014,09:34:17,0.016  
11/15/2014,09:35:17,0.016  
11/15/2014,09:36:17,0.016  
11/15/2014,09:37:17,0.017

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_B  
Start Date:,11/15/2014  
Start Time:,11:20:40  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.026  
,Minimum:,0.012  
,Time of Minimum:,11:23:40  
,Date of Minimum:,11/15/2014  
,Maximum:,0.134  
,Time of Maximum:,11:21:40  
,Date of Maximum:,11/15/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/15/2014,11:21:40,0.134  
11/15/2014,11:22:40,0.036  
11/15/2014,11:23:40,0.012  
11/15/2014,11:24:40,0.012  
11/15/2014,11:25:40,0.012  
11/15/2014,11:26:40,0.023  
11/15/2014,11:27:40,0.016  
11/15/2014,11:28:40,0.016

11-15-14 Downwind-1 Dust

11/15/2014,11:29:40,0.055  
11/15/2014,11:30:40,0.015  
11/15/2014,11:31:40,0.014  
11/15/2014,11:32:40,0.013  
11/15/2014,11:33:40,0.012  
11/15/2014,11:34:40,0.013  
11/15/2014,11:35:40,0.013

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_C  
Start Date:,11/15/2014  
Start Time:,12:39:54  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.017  
,Minimum:,0.013  
,Time of Minimum:,12:46:54  
,Date of Minimum:,11/15/2014  
,Maximum:,0.047  
,Time of Maximum:,12:47:54  
,Date of Maximum:,11/15/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/15/2014,12:40:54,0.027  
11/15/2014,12:41:54,0.015  
11/15/2014,12:42:54,0.014  
11/15/2014,12:43:54,0.014  
11/15/2014,12:44:54,0.016  
11/15/2014,12:45:54,0.014  
11/15/2014,12:46:54,0.013  
11/15/2014,12:47:54,0.047  
11/15/2014,12:48:54,0.015  
11/15/2014,12:49:54,0.013  
11/15/2014,12:50:54,0.013  
11/15/2014,12:51:54,0.014  
11/15/2014,12:52:54,0.013  
11/15/2014,12:53:54,0.013  
11/15/2014,12:54:54,0.014

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_D  
Start Date:,11/15/2014  
Start Time:,13:59:46  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.022  
,Minimum:,0.016

11-15-14 Downwind-1 Dust

,Time of Minimum:,14:01:46  
,Date of Minimum:,11/15/2014  
,Maximum:,0.071  
,Time of Maximum:,14:00:46  
,Date of Maximum:,11/15/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m^3  
11/15/2014,14:00:46,0.071  
11/15/2014,14:01:46,0.016  
11/15/2014,14:02:46,0.016  
11/15/2014,14:03:46,0.018  
11/15/2014,14:04:46,0.017  
11/15/2014,14:05:46,0.022  
11/15/2014,14:06:46,0.023  
11/15/2014,14:07:46,0.021  
11/15/2014,14:08:46,0.019  
11/15/2014,14:09:46,0.020  
11/15/2014,14:10:46,0.018  
11/15/2014,14:11:46,0.019  
11/15/2014,14:12:46,0.018  
11/15/2014,14:13:46,0.018  
11/15/2014,14:14:46,0.018

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_E  
Start Date:,11/15/2014  
Start Time:,14:21:09  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m^3  
,Average:,0.026  
,Minimum:,0.017  
,Time of Minimum:,14:29:09  
,Date of Minimum:,11/15/2014  
,Maximum:,0.083  
,Time of Maximum:,14:22:09  
,Date of Maximum:,11/15/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m^3  
11/15/2014,14:22:09,0.083  
11/15/2014,14:23:09,0.018  
11/15/2014,14:24:09,0.019  
11/15/2014,14:25:09,0.018  
11/15/2014,14:26:09,0.018  
11/15/2014,14:27:09,0.021  
11/15/2014,14:28:09,0.018  
11/15/2014,14:29:09,0.017  
11/15/2014,14:30:09,0.017  
11/15/2014,14:31:09,0.017  
11/15/2014,14:32:09,0.020  
11/15/2014,14:33:09,0.028  
11/15/2014,14:34:09,0.055

11-15-14 Downwind-1 Dust

11/15/2014,14:35:09,0.020  
11/15/2014,14:36:09,0.018



11-15-14 Downwind-1 VOC

14/11/15 07:48

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907926  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 11/15/2014 07:48:25  
 End 11/15/2014 14:40:18  
 Sample Period(s) 900  
 Number of Records 27  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 11/15/2014 07:46  
 Peak 0.282  
 Min 0.071  
 Average 0.119

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	11/15/2014 08:03:25	0.262	0.379	0.282	0.282
002	11/15/2014 08:18:25	0.165	0.288	0.090	0.090
003	11/15/2014 08:33:25	0.082	0.100	0.076	0.076
004	11/15/2014 08:48:25	0.074	0.083	0.071	0.071
005	11/15/2014 09:03:25	0.091	0.795	0.081	0.081
006	11/15/2014 09:18:25	0.083	0.101	0.084	0.084
007	11/15/2014 09:33:25	0.090	0.106	0.114	0.114
008	11/15/2014 09:48:25	0.114	0.133	0.119	0.119
009	11/15/2014 10:03:25	0.179	1.259	0.172	0.172
010	11/15/2014 10:18:25	0.136	0.180	0.105	0.105
011	11/15/2014 10:33:25	0.111	0.160	0.113	0.113
012	11/15/2014 10:48:25	0.113	0.130	0.116	0.116
013	11/15/2014 11:03:25	0.116	0.141	0.115	0.115
014	11/15/2014 11:18:25	0.116	0.135	0.113	0.113
015	11/15/2014 11:33:25	0.118	0.136	0.117	0.117
016	11/15/2014 11:48:25	0.116	0.129	0.116	0.116
017	11/15/2014 12:03:25	0.116	0.143	0.116	0.116
018	11/15/2014 12:18:25	0.121	0.246	0.121	0.121
019	11/15/2014 12:33:25	0.117	0.131	0.114	0.114
020	11/15/2014 12:48:25	0.114	0.133	0.119	0.119
021	11/15/2014 13:03:25	0.179	1.259	0.172	0.172
022	11/15/2014 13:18:25	0.136	0.226	0.126	0.126
023	11/15/2014 13:33:25	0.115	0.141	0.115	0.115
024	11/15/2014 13:48:25	0.111	0.146	0.105	0.105
025	11/15/2014 14:03:25	0.110	0.122	0.108	0.108

		11-15-14 Downwind-1 VOC			
026	11/15/2014 14:18:25	0.108	0.127	0.112	
027	11/15/2014 14:33:25	0.107	0.122	0.110	
Peak		0.262	1.259	0.282	
Min		0.074	0.083	0.071	
Average		0.122	0.261	0.119	

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TWA/STEL

Index	Date/Time	VOC(ppm)	
		(TWA)	(STEL)
001	11/15/2014 08:03:25	0.009	0.282
002	11/15/2014 08:18:25	0.012	0.090
003	11/15/2014 08:33:25	0.014	0.076
004	11/15/2014 08:48:25	0.016	0.071
005	11/15/2014 09:03:25	0.019	0.081
006	11/15/2014 09:18:25	0.021	0.084
007	11/15/2014 09:33:25	0.025	0.114
008	11/15/2014 09:48:25	0.029	0.119
009	11/15/2014 10:03:25	0.034	0.172
010	11/15/2014 10:18:25	0.037	0.105
011	11/15/2014 10:33:25	0.041	0.113
012	11/15/2014 10:48:25	0.044	0.116
013	11/15/2014 11:03:25	0.048	0.115
014	11/15/2014 11:18:25	0.052	0.113
015	11/15/2014 11:33:25	0.055	0.117
016	11/15/2014 11:48:25	0.059	0.116
017	11/15/2014 12:03:25	0.063	0.116
018	11/15/2014 12:18:25	0.066	0.121
019	11/15/2014 12:33:25	0.070	0.114
020	11/15/2014 12:48:25	0.074	0.119
021	11/15/2014 13:03:25	0.079	0.172
022	11/15/2014 13:18:25	0.083	0.126
023	11/15/2014 13:33:25	0.086	0.115
024	11/15/2014 13:48:25	0.090	0.105
025	11/15/2014 14:03:25	0.093	0.108
026	11/15/2014 14:18:25	0.097	0.112
027	11/15/2014 14:33:25	0.100	0.110

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,11/15/2014  
Start Time:,08:04:21  
Duration (dd:hh:mm:ss):,0:06:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,26  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.016  
,Minimum:,0.012  
,Time of Minimum:,12:19:21  
,Date of Minimum:,11/15/2014  
,Maximum:,0.020  
,Time of Maximum:,13:19:21  
,Date of Maximum:,11/15/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/15/2014,08:19:21,0.017  
11/15/2014,08:34:21,0.015  
11/15/2014,08:49:21,0.016  
11/15/2014,09:04:21,0.016  
11/15/2014,09:19:21,0.018  
11/15/2014,09:34:21,0.018  
11/15/2014,09:49:21,0.016  
11/15/2014,10:04:21,0.016  
11/15/2014,10:19:21,0.015  
11/15/2014,10:34:21,0.014  
11/15/2014,10:49:21,0.014  
11/15/2014,11:04:21,0.015  
11/15/2014,11:19:21,0.013  
11/15/2014,11:34:21,0.015  
11/15/2014,11:49:21,0.013  
11/15/2014,12:04:21,0.013  
11/15/2014,12:19:21,0.012  
11/15/2014,12:34:21,0.013  
11/15/2014,12:49:21,0.015  
11/15/2014,13:04:21,0.015  
11/15/2014,13:19:21,0.020  
11/15/2014,13:34:21,0.017  
11/15/2014,13:49:21,0.017  
11/15/2014,14:04:21,0.018  
11/15/2014,14:19:21,0.019  
11/15/2014,14:34:21,0.019

11-15-14 Downwind-2 VOC

14/11/15 07:45

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-913116  
 Unit Firmware Ver V1.20A  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 11/15/2014 07:45:52  
 End 11/15/2014 14:45:21  
 Sample Period(s) 900  
 Number of Records 27  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 5.000  
 Measurement Gas Isobutylene  
 Calibration Time 11/15/2014 07:45  
 Peak 0.412  
 Min 0.099  
 Average 0.147  
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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	11/15/2014 08:00:52	0.364	0.587	0.412	
002	11/15/2014 08:15:52	0.193	0.433	0.111	
003	11/15/2014 08:30:52	0.103	0.114	0.099	
004	11/15/2014 08:45:52	0.101	0.131	0.102	
005	11/15/2014 09:00:52	0.108	0.194	0.114	
006	11/15/2014 09:15:52	0.116	0.128	0.118	
007	11/15/2014 09:30:52	0.121	0.180	0.120	
008	11/15/2014 09:45:52	0.122	0.132	0.127	
009	11/15/2014 10:00:52	0.128	0.139	0.135	
010	11/15/2014 10:15:52	0.136	0.141	0.139	
011	11/15/2014 10:30:52	0.140	0.157	0.141	
012	11/15/2014 10:45:52	0.144	0.156	0.144	
013	11/15/2014 11:00:52	0.149	0.220	0.154	
014	11/15/2014 11:15:52	0.148	0.159	0.146	
015	11/15/2014 11:30:52	0.149	0.161	0.146	
016	11/15/2014 11:45:52	0.148	0.155	0.149	
017	11/15/2014 12:00:52	0.149	0.164	0.151	
018	11/15/2014 12:15:52	0.149	0.162	0.147	
019	11/15/2014 12:30:52	0.147	0.158	0.144	
020	11/15/2014 12:45:52	0.146	0.165	0.146	
021	11/15/2014 13:00:52	0.147	0.156	0.146	
022	11/15/2014 13:15:52	0.164	0.782	0.148	
023	11/15/2014 13:30:52	0.160	0.603	0.148	
024	11/15/2014 13:45:52	0.149	0.163	0.144	
025	11/15/2014 14:00:52	0.148	0.164	0.151	

		11-15-14 Downwind-2 VOC			
026	11/15/2014 14:15:52	0.148	0.173	0.147	
027	11/15/2014 14:30:52	0.147	0.172	0.149	
Peak		0.364	0.782	0.412	
Min		0.101	0.114	0.099	
Average		0.149	0.224	0.147	

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	11/15/2014 08:00:52	0.013	0.412
002	11/15/2014 08:15:52	0.016	0.111
003	11/15/2014 08:30:52	0.019	0.099
004	11/15/2014 08:45:52	0.023	0.102
005	11/15/2014 09:00:52	0.026	0.114
006	11/15/2014 09:15:52	0.030	0.118
007	11/15/2014 09:30:52	0.034	0.120
008	11/15/2014 09:45:52	0.038	0.127
009	11/15/2014 10:00:52	0.042	0.135
010	11/15/2014 10:15:52	0.046	0.139
011	11/15/2014 10:30:52	0.051	0.141
012	11/15/2014 10:45:52	0.055	0.144
013	11/15/2014 11:00:52	0.060	0.154
014	11/15/2014 11:15:52	0.064	0.146
015	11/15/2014 11:30:52	0.069	0.146
016	11/15/2014 11:45:52	0.074	0.149
017	11/15/2014 12:00:52	0.078	0.151
018	11/15/2014 12:15:52	0.083	0.147
019	11/15/2014 12:30:52	0.087	0.144
020	11/15/2014 12:45:52	0.092	0.146
021	11/15/2014 13:00:52	0.097	0.146
022	11/15/2014 13:15:52	0.101	0.148
023	11/15/2014 13:30:52	0.106	0.148
024	11/15/2014 13:45:52	0.110	0.144
025	11/15/2014 14:00:52	0.115	0.151
026	11/15/2014 14:15:52	0.120	0.147
027	11/15/2014 14:30:52	0.124	0.149

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,11/15/2014  
Start Time:,08:11:30  
Duration (dd:hh:mm:ss):,0:06:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,26  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.014  
,Minimum:,0.010  
,Time of Minimum:,12:11:30  
,Date of Minimum:,11/15/2014  
,Maximum:,0.018  
,Time of Maximum:,14:26:30  
,Date of Maximum:,11/15/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/15/2014,08:26:30,0.014  
11/15/2014,08:41:30,0.014  
11/15/2014,08:56:30,0.014  
11/15/2014,09:11:30,0.015  
11/15/2014,09:26:30,0.017  
11/15/2014,09:41:30,0.016  
11/15/2014,09:56:30,0.015  
11/15/2014,10:11:30,0.015  
11/15/2014,10:26:30,0.014  
11/15/2014,10:41:30,0.012  
11/15/2014,10:56:30,0.011  
11/15/2014,11:11:30,0.011  
11/15/2014,11:26:30,0.012  
11/15/2014,11:41:30,0.012  
11/15/2014,11:56:30,0.011  
11/15/2014,12:11:30,0.010  
11/15/2014,12:26:30,0.011  
11/15/2014,12:41:30,0.013  
11/15/2014,12:56:30,0.013  
11/15/2014,13:11:30,0.014  
11/15/2014,13:26:30,0.015  
11/15/2014,13:41:30,0.017  
11/15/2014,13:56:30,0.015  
11/15/2014,14:11:30,0.017  
11/15/2014,14:26:30,0.018  
11/15/2014,14:41:30,0.018

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,11/17/2014  
Start Time:,08:09:20  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.075  
,Minimum:,0.038  
,Time of Minimum:,15:39:20  
,Date of Minimum:,11/17/2014  
,Maximum:,0.098  
,Time of Maximum:,12:39:20  
,Date of Maximum:,11/17/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/17/2014,08:24:20,0.090  
11/17/2014,08:39:20,0.082  
11/17/2014,08:54:20,0.086  
11/17/2014,09:09:20,0.087  
11/17/2014,09:24:20,0.085  
11/17/2014,09:39:20,0.089  
11/17/2014,09:54:20,0.087  
11/17/2014,10:09:20,0.086  
11/17/2014,10:24:20,0.078  
11/17/2014,10:39:20,0.080  
11/17/2014,10:54:20,0.079  
11/17/2014,11:09:20,0.084  
11/17/2014,11:24:20,0.083  
11/17/2014,11:39:20,0.080  
11/17/2014,11:54:20,0.085  
11/17/2014,12:09:20,0.085  
11/17/2014,12:24:20,0.076  
11/17/2014,12:39:20,0.098  
11/17/2014,12:54:20,0.084  
11/17/2014,13:09:20,0.085  
11/17/2014,13:24:20,0.089  
11/17/2014,13:39:20,0.083  
11/17/2014,13:54:20,0.078  
11/17/2014,14:09:20,0.069  
11/17/2014,14:24:20,0.055  
11/17/2014,14:39:20,0.048  
11/17/2014,14:54:20,0.041  
11/17/2014,15:09:20,0.052  
11/17/2014,15:24:20,0.040  
11/17/2014,15:39:20,0.038  
11/17/2014,15:54:20,0.042

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,11/17/2014

11-17-14 Downwind-1 Dust

Start Time:,09:55:52  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.085  
,Minimum:,0.074  
,Time of Minimum:,10:04:52  
,Date of Minimum:,11/17/2014  
,Maximum:,0.127  
,Time of Maximum:,09:56:52  
,Date of Maximum:,11/17/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/17/2014,09:56:52,0.127  
11/17/2014,09:57:52,0.089  
11/17/2014,09:58:52,0.087  
11/17/2014,09:59:52,0.081  
11/17/2014,10:00:52,0.080  
11/17/2014,10:01:52,0.079  
11/17/2014,10:02:52,0.079  
11/17/2014,10:03:52,0.077  
11/17/2014,10:04:52,0.074  
11/17/2014,10:05:52,0.076  
11/17/2014,10:06:52,0.078  
11/17/2014,10:07:52,0.078  
11/17/2014,10:08:52,0.099  
11/17/2014,10:09:52,0.087  
11/17/2014,10:10:52,0.080

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_B  
Start Date:,11/17/2014  
Start Time:,12:27:20  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.100  
,Minimum:,0.077  
,Time of Minimum:,12:29:20  
,Date of Minimum:,11/17/2014  
,Maximum:,0.322  
,Time of Maximum:,12:28:20  
,Date of Maximum:,11/17/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/17/2014,12:28:20,0.322  
11/17/2014,12:29:20,0.077  
11/17/2014,12:30:20,0.079



11-17-14 Downwind-1 Dust

11/17/2014,12:31:20,0.150  
11/17/2014,12:32:20,0.081  
11/17/2014,12:33:20,0.079  
11/17/2014,12:34:20,0.078  
11/17/2014,12:35:20,0.078  
11/17/2014,12:36:20,0.077  
11/17/2014,12:37:20,0.077  
11/17/2014,12:38:20,0.078  
11/17/2014,12:39:20,0.078  
11/17/2014,12:40:20,0.079  
11/17/2014,12:41:20,0.080  
11/17/2014,12:42:20,0.083

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_C  
Start Date:,11/17/2014  
Start Time:,13:43:14  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.083  
,Minimum:,0.064  
,Time of Minimum:,13:58:14  
,Date of Minimum:,11/17/2014  
,Maximum:,0.134  
,Time of Maximum:,13:55:14  
,Date of Maximum:,11/17/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/17/2014,13:44:14,0.102  
11/17/2014,13:45:14,0.076  
11/17/2014,13:46:14,0.076  
11/17/2014,13:47:14,0.076  
11/17/2014,13:48:14,0.076  
11/17/2014,13:49:14,0.076  
11/17/2014,13:50:14,0.074  
11/17/2014,13:51:14,0.074  
11/17/2014,13:52:14,0.074  
11/17/2014,13:53:14,0.090  
11/17/2014,13:54:14,0.072  
11/17/2014,13:55:14,0.134  
11/17/2014,13:56:14,0.111  
11/17/2014,13:57:14,0.066  
11/17/2014,13:58:14,0.064

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_D  
Start Date:,11/17/2014  
Start Time:,15:00:47  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

11-17-14 Downwind-1 Dust

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.053  
,Minimum:,0.037  
,Time of Minimum:,15:15:47  
,Date of Minimum:,11/17/2014  
,Maximum:,0.133  
,Time of Maximum:,15:01:47  
,Date of Maximum:,11/17/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/17/2014,15:01:47,0.133  
11/17/2014,15:02:47,0.046  
11/17/2014,15:03:47,0.039  
11/17/2014,15:04:47,0.040  
11/17/2014,15:05:47,0.043  
11/17/2014,15:06:47,0.051  
11/17/2014,15:07:47,0.061  
11/17/2014,15:08:47,0.065  
11/17/2014,15:09:47,0.053  
11/17/2014,15:10:47,0.046  
11/17/2014,15:11:47,0.038  
11/17/2014,15:12:47,0.058  
11/17/2014,15:13:47,0.046  
11/17/2014,15:14:47,0.038  
11/17/2014,15:15:47,0.037

11-17-14 Downwind-1 VOC

14/11/17 08:08

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907926  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 11/17/2014 08:08:29  
 End 11/17/2014 16:05:47  
 Sample Period(s) 900  
 Number of Records 31  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 11/17/2014 07:55  
 Peak 0.270  
 Min 0.057  
 Average 0.220  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	11/17/2014 08:23:29	0.064	0.353	0.057	
002	11/17/2014 08:38:29	0.080	0.121	0.088	
003	11/17/2014 08:53:29	0.099	0.119	0.113	
004	11/17/2014 09:08:29	0.123	0.136	0.135	
005	11/17/2014 09:23:29	0.145	0.183	0.151	
006	11/17/2014 09:38:29	0.164	0.182	0.182	
007	11/17/2014 09:53:29	0.181	0.190	0.185	
008	11/17/2014 10:08:29	0.190	0.198	0.198	
009	11/17/2014 10:23:29	0.198	0.207	0.205	
010	11/17/2014 10:38:29	0.208	0.213	0.209	
011	11/17/2014 10:53:29	0.213	0.220	0.216	
012	11/17/2014 11:08:29	0.221	0.230	0.226	
013	11/17/2014 11:23:29	0.229	0.237	0.230	
014	11/17/2014 11:38:29	0.234	0.244	0.244	
015	11/17/2014 11:53:29	0.245	0.252	0.247	
016	11/17/2014 12:08:29	0.244	0.250	0.246	
017	11/17/2014 12:23:29	0.244	0.251	0.241	
018	11/17/2014 12:38:29	0.244	0.258	0.245	
019	11/17/2014 12:53:29	0.252	0.281	0.250	
020	11/17/2014 13:08:29	0.265	0.287	0.270	
021	11/17/2014 13:23:29	0.264	0.279	0.265	
022	11/17/2014 13:38:29	0.267	0.275	0.266	
023	11/17/2014 13:53:29	0.266	0.273	0.269	
024	11/17/2014 14:08:29	0.266	0.279	0.265	
025	11/17/2014 14:23:29	0.262	0.270	0.258	

11-17-14 Downwind-1 VOC

026	11/17/2014	14:38:29	0.260	0.271	0.256
027	11/17/2014	14:53:29	0.257	0.269	0.254
028	11/17/2014	15:08:29	0.258	0.284	0.260
029	11/17/2014	15:23:29	0.258	0.283	0.258
030	11/17/2014	15:38:29	0.264	0.290	0.265
031	11/17/2014	15:53:29	0.267	0.279	0.264
Peak			0.267	0.353	0.270
Min			0.064	0.119	0.057
Average			0.217	0.241	0.220

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	11/17/2014 08:23:29	0.002	0.057
002	11/17/2014 08:38:29	0.005	0.088
003	11/17/2014 08:53:29	0.008	0.113
004	11/17/2014 09:08:29	0.012	0.135
005	11/17/2014 09:23:29	0.017	0.151
006	11/17/2014 09:38:29	0.023	0.182
007	11/17/2014 09:53:29	0.028	0.185
008	11/17/2014 10:08:29	0.035	0.198
009	11/17/2014 10:23:29	0.041	0.205
010	11/17/2014 10:38:29	0.048	0.209
011	11/17/2014 10:53:29	0.054	0.216
012	11/17/2014 11:08:29	0.061	0.226
013	11/17/2014 11:23:29	0.069	0.230
014	11/17/2014 11:38:29	0.076	0.244
015	11/17/2014 11:53:29	0.084	0.247
016	11/17/2014 12:08:29	0.092	0.246
017	11/17/2014 12:23:29	0.099	0.241
018	11/17/2014 12:38:29	0.107	0.245
019	11/17/2014 12:53:29	0.115	0.250
020	11/17/2014 13:08:29	0.123	0.270
021	11/17/2014 13:23:29	0.131	0.265
022	11/17/2014 13:38:29	0.140	0.266
023	11/17/2014 13:53:29	0.148	0.269
024	11/17/2014 14:08:29	0.156	0.265
025	11/17/2014 14:23:29	0.164	0.258
026	11/17/2014 14:38:29	0.172	0.256
027	11/17/2014 14:53:29	0.180	0.254
028	11/17/2014 15:08:29	0.188	0.260
029	11/17/2014 15:23:29	0.197	0.258
030	11/17/2014 15:38:29	0.205	0.265
031	11/17/2014 15:53:29	0.213	0.264

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,11/17/2014  
Start Time:,08:11:03  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.068  
,Minimum:,0.037  
,Time of Minimum:,15:26:03  
,Date of Minimum:,11/17/2014  
,Maximum:,0.139  
,Time of Maximum:,13:56:03  
,Date of Maximum:,11/17/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/17/2014,08:26:03,0.074  
11/17/2014,08:41:03,0.073  
11/17/2014,08:56:03,0.075  
11/17/2014,09:11:03,0.083  
11/17/2014,09:26:03,0.075  
11/17/2014,09:41:03,0.080  
11/17/2014,09:56:03,0.078  
11/17/2014,10:11:03,0.072  
11/17/2014,10:26:03,0.071  
11/17/2014,10:41:03,0.071  
11/17/2014,10:56:03,0.072  
11/17/2014,11:11:03,0.073  
11/17/2014,11:26:03,0.072  
11/17/2014,11:41:03,0.073  
11/17/2014,11:56:03,0.076  
11/17/2014,12:11:03,0.074  
11/17/2014,12:26:03,0.067  
11/17/2014,12:41:03,0.069  
11/17/2014,12:56:03,0.076  
11/17/2014,13:11:03,0.077  
11/17/2014,13:26:03,0.078  
11/17/2014,13:41:03,0.071  
11/17/2014,13:56:03,0.139  
11/17/2014,14:11:03,0.054  
11/17/2014,14:26:03,0.049  
11/17/2014,14:41:03,0.042  
11/17/2014,14:56:03,0.039  
11/17/2014,15:11:03,0.038  
11/17/2014,15:26:03,0.037  
11/17/2014,15:41:03,0.037  
11/17/2014,15:56:03,0.040

11-17-14 Downwind-2 VOC

14/11/17 08:13

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-913116  
 Unit Firmware Ver V1.20A  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 11/17/2014 08:13:56  
 End 11/17/2014 16:00:17  
 Sample Period(s) 900  
 Number of Records 31  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 5.000  
 Measurement Gas Isobutylene  
 Calibration Time 11/17/2014 07:52  
 Peak 0.221  
 Min 0.000  
 Average 0.067

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	11/17/2014 08:28:56	0.000	0.056	0.000	0.000
002	11/17/2014 08:43:56	0.000	0.000	0.000	0.000
003	11/17/2014 08:58:56	0.000	0.000	0.000	0.000
004	11/17/2014 09:13:56	0.000	0.000	0.000	0.000
005	11/17/2014 09:28:56	0.000	0.000	0.000	0.000
006	11/17/2014 09:43:56	0.000	0.000	0.000	0.000
007	11/17/2014 09:58:56	0.000	0.001	0.000	0.000
008	11/17/2014 10:13:56	0.000	0.004	0.002	0.002
009	11/17/2014 10:28:56	0.011	0.022	0.018	0.018
010	11/17/2014 10:43:56	0.024	0.029	0.028	0.028
011	11/17/2014 10:58:56	0.034	0.076	0.038	0.038
012	11/17/2014 11:13:56	0.043	0.052	0.052	0.052
013	11/17/2014 11:28:56	0.054	0.059	0.058	0.058
014	11/17/2014 11:43:56	0.069	0.082	0.079	0.079
015	11/17/2014 11:58:56	0.077	0.082	0.075	0.075
016	11/17/2014 12:13:56	0.075	0.078	0.075	0.075
017	11/17/2014 12:28:56	0.075	0.086	0.077	0.077
018	11/17/2014 12:43:56	0.081	0.086	0.085	0.085
019	11/17/2014 12:58:56	0.092	0.214	0.093	0.093
020	11/17/2014 13:13:56	0.095	0.099	0.097	0.097
021	11/17/2014 13:28:56	0.101	0.106	0.105	0.105
022	11/17/2014 13:43:56	0.106	0.110	0.106	0.106
023	11/17/2014 13:58:56	0.109	0.419	0.221	0.221
024	11/17/2014 14:13:56	0.140	0.873	0.109	0.109
025	11/17/2014 14:28:56	0.106	0.110	0.104	0.104

11-17-14 Downwind-2 VOC

026	11/17/2014	14:43:56	0.105	0.108	0.105
027	11/17/2014	14:58:56	0.105	0.113	0.111
028	11/17/2014	15:13:56	0.108	0.114	0.107
029	11/17/2014	15:28:56	0.110	0.132	0.107
030	11/17/2014	15:43:56	0.116	0.160	0.121
031	11/17/2014	15:58:56	0.118	0.142	0.117
Peak		0.140	0.873	0.221	
Min		0.000	0.000	0.000	
Average		0.063	0.110	0.067	

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	11/17/2014 08:28:56	0.000	0.000
002	11/17/2014 08:43:56	0.000	0.000
003	11/17/2014 08:58:56	0.000	0.000
004	11/17/2014 09:13:56	0.000	0.000
005	11/17/2014 09:28:56	0.000	0.000
006	11/17/2014 09:43:56	0.000	0.000
007	11/17/2014 09:58:56	0.000	0.000
008	11/17/2014 10:13:56	0.000	0.002
009	11/17/2014 10:28:56	0.001	0.018
010	11/17/2014 10:43:56	0.002	0.028
011	11/17/2014 10:58:56	0.003	0.038
012	11/17/2014 11:13:56	0.004	0.052
013	11/17/2014 11:28:56	0.006	0.058
014	11/17/2014 11:43:56	0.009	0.079
015	11/17/2014 11:58:56	0.011	0.075
016	11/17/2014 12:13:56	0.013	0.075
017	11/17/2014 12:28:56	0.016	0.077
018	11/17/2014 12:43:56	0.018	0.085
019	11/17/2014 12:58:56	0.021	0.093
020	11/17/2014 13:13:56	0.024	0.097
021	11/17/2014 13:28:56	0.028	0.105
022	11/17/2014 13:43:56	0.031	0.106
023	11/17/2014 13:58:56	0.038	0.221
024	11/17/2014 14:13:56	0.041	0.109
025	11/17/2014 14:28:56	0.044	0.104
026	11/17/2014 14:43:56	0.048	0.105
027	11/17/2014 14:58:56	0.051	0.111
028	11/17/2014 15:13:56	0.055	0.107
029	11/17/2014 15:28:56	0.058	0.107
030	11/17/2014 15:43:56	0.062	0.121
031	11/17/2014 15:58:56	0.065	0.117

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,11/17/2014  
Start Time:,08:01:06  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.078  
,Minimum:,0.039  
,Time of Minimum:,15:16:06  
,Date of Minimum:,11/17/2014  
,Maximum:,0.097  
,Time of Maximum:,13:16:06  
,Date of Maximum:,11/17/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/17/2014,08:16:06,0.086  
11/17/2014,08:31:06,0.090  
11/17/2014,08:46:06,0.084  
11/17/2014,09:01:06,0.093  
11/17/2014,09:16:06,0.090  
11/17/2014,09:31:06,0.086  
11/17/2014,09:46:06,0.091  
11/17/2014,10:01:06,0.086  
11/17/2014,10:16:06,0.081  
11/17/2014,10:31:06,0.084  
11/17/2014,10:46:06,0.083  
11/17/2014,11:01:06,0.087  
11/17/2014,11:16:06,0.090  
11/17/2014,11:31:06,0.085  
11/17/2014,11:46:06,0.084  
11/17/2014,12:01:06,0.086  
11/17/2014,12:16:06,0.086  
11/17/2014,12:31:06,0.085  
11/17/2014,12:46:06,0.090  
11/17/2014,13:01:06,0.094  
11/17/2014,13:16:06,0.097  
11/17/2014,13:31:06,0.093  
11/17/2014,13:46:06,0.085  
11/17/2014,14:01:06,0.070  
11/17/2014,14:16:06,0.061  
11/17/2014,14:31:06,0.052  
11/17/2014,14:46:06,0.046  
11/17/2014,15:01:06,0.043  
11/17/2014,15:16:06,0.039  
11/17/2014,15:31:06,0.040  
11/17/2014,15:46:06,0.042

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,11/17/2014



11-17-14 Upwind Dust

Start Time:,09:35:04  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.091  
,Minimum:,0.087  
,Time of Minimum:,09:46:04  
,Date of Minimum:,11/17/2014  
,Maximum:,0.104  
,Time of Maximum:,09:36:04  
,Date of Maximum:,11/17/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/17/2014,09:36:04,0.104  
11/17/2014,09:37:04,0.094  
11/17/2014,09:38:04,0.090  
11/17/2014,09:39:04,0.089  
11/17/2014,09:40:04,0.090  
11/17/2014,09:41:04,0.089  
11/17/2014,09:42:04,0.089  
11/17/2014,09:43:04,0.089  
11/17/2014,09:44:04,0.090  
11/17/2014,09:45:04,0.089  
11/17/2014,09:46:04,0.087  
11/17/2014,09:47:04,0.090  
11/17/2014,09:48:04,0.090  
11/17/2014,09:49:04,0.090  
11/17/2014,09:50:04,0.089

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_B  
Start Date:,11/17/2014  
Start Time:,12:18:31  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.086  
,Minimum:,0.082  
,Time of Minimum:,12:27:31  
,Date of Minimum:,11/17/2014  
,Maximum:,0.096  
,Time of Maximum:,12:19:31  
,Date of Maximum:,11/17/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/17/2014,12:19:31,0.096  
11/17/2014,12:20:31,0.087  
11/17/2014,12:21:31,0.085

11-17-14 Upwind Dust

11/17/2014,12:22:31,0.087  
11/17/2014,12:23:31,0.084  
11/17/2014,12:24:31,0.084  
11/17/2014,12:25:31,0.084  
11/17/2014,12:26:31,0.083  
11/17/2014,12:27:31,0.082  
11/17/2014,12:28:31,0.084  
11/17/2014,12:29:31,0.087  
11/17/2014,12:30:31,0.088  
11/17/2014,12:31:31,0.088  
11/17/2014,12:32:31,0.088  
11/17/2014,12:33:31,0.088

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,11/19/2014  
Start Time:,08:28:38  
Duration (dd:hh:mm:ss):,0:06:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,27  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.031  
,Minimum:,0.020  
,Time of Minimum:,09:28:38  
,Date of Minimum:,11/19/2014  
,Maximum:,0.047  
,Time of Maximum:,10:28:38  
,Date of Maximum:,11/19/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/19/2014,08:43:38,0.031  
11/19/2014,08:58:38,0.028  
11/19/2014,09:13:38,0.021  
11/19/2014,09:28:38,0.020  
11/19/2014,09:43:38,0.020  
11/19/2014,09:58:38,0.021  
11/19/2014,10:13:38,0.022  
11/19/2014,10:28:38,0.047  
11/19/2014,10:43:38,0.043  
11/19/2014,10:58:38,0.039  
11/19/2014,11:13:38,0.035  
11/19/2014,11:28:38,0.034  
11/19/2014,11:43:38,0.035  
11/19/2014,11:58:38,0.035  
11/19/2014,12:13:38,0.037  
11/19/2014,12:28:38,0.032  
11/19/2014,12:43:38,0.031  
11/19/2014,12:58:38,0.030  
11/19/2014,13:13:38,0.030  
11/19/2014,13:28:38,0.028  
11/19/2014,13:43:38,0.045  
11/19/2014,13:58:38,0.028  
11/19/2014,14:13:38,0.027  
11/19/2014,14:28:38,0.028  
11/19/2014,14:43:38,0.028  
11/19/2014,14:58:38,0.028  
11/19/2014,15:13:38,0.028

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_A  
Start Date:,11/19/2014  
Start Time:,08:46:56  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15

11-19-14 Downwind-1 Dust

Notes: ,

Statistics,Channel: ,AEROSOL  
 ,Units: ,mg/m<sup>3</sup>  
 ,Average: ,0.026  
 ,Minimum: ,0.020  
 ,Time of Minimum: ,08:59:56  
 ,Date of Minimum: ,11/19/2014  
 ,Maximum: ,0.040  
 ,Time of Maximum: ,08:47:56  
 ,Date of Maximum: ,11/19/2014

Calibration,Sensor: ,AEROSOL  
 ,Cal. date,03/12/2014

Date,Time,AEROSOL  
 MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
 11/19/2014,08:47:56,0.040  
 11/19/2014,08:48:56,0.028  
 11/19/2014,08:49:56,0.037  
 11/19/2014,08:50:56,0.026  
 11/19/2014,08:51:56,0.022  
 11/19/2014,08:52:56,0.038  
 11/19/2014,08:53:56,0.023  
 11/19/2014,08:54:56,0.025  
 11/19/2014,08:55:56,0.024  
 11/19/2014,08:56:56,0.022  
 11/19/2014,08:57:56,0.021  
 11/19/2014,08:58:56,0.021  
 11/19/2014,08:59:56,0.020  
 11/19/2014,09:00:56,0.020  
 11/19/2014,09:01:56,0.020

Model: ,DustTrak II  
 Model Number: ,8530  
 Serial Number: ,8530141112  
 Test ID: ,002  
 Test Abbreviation: ,MANUAL\_002\_B  
 Start Date: ,11/19/2014  
 Start Time: ,09:03:19  
 Duration (dd:hh:mm:ss): ,0:00:15:00  
 Log Interval (mm:ss): ,01:00  
 Number of points: ,15  
 Notes: ,

Statistics,Channel: ,AEROSOL  
 ,Units: ,mg/m<sup>3</sup>  
 ,Average: ,0.021  
 ,Minimum: ,0.018  
 ,Time of Minimum: ,09:08:19  
 ,Date of Minimum: ,11/19/2014  
 ,Maximum: ,0.026  
 ,Time of Maximum: ,09:04:19  
 ,Date of Maximum: ,11/19/2014

Calibration,Sensor: ,AEROSOL  
 ,Cal. date,03/12/2014

Date,Time,AEROSOL  
 MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
 11/19/2014,09:04:19,0.026  
 11/19/2014,09:05:19,0.020  
 11/19/2014,09:06:19,0.020  
 11/19/2014,09:07:19,0.023  
 11/19/2014,09:08:19,0.018  
 11/19/2014,09:09:19,0.019  
 11/19/2014,09:10:19,0.021

11-19-14 Downwind-1 Dust

11/19/2014,09:11:19,0.023  
11/19/2014,09:12:19,0.021  
11/19/2014,09:13:19,0.023  
11/19/2014,09:14:19,0.018  
11/19/2014,09:15:19,0.018  
11/19/2014,09:16:19,0.019  
11/19/2014,09:17:19,0.020  
11/19/2014,09:18:19,0.020

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_C  
Start Date:,11/19/2014  
Start Time:,10:23:14  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.054  
,Minimum:,0.035  
,Time of Minimum:,10:27:14  
,Date of Minimum:,11/19/2014  
,Maximum:,0.231  
,Time of Maximum:,10:24:14  
,Date of Maximum:,11/19/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/19/2014,10:24:14,0.231  
11/19/2014,10:25:14,0.054  
11/19/2014,10:26:14,0.037  
11/19/2014,10:27:14,0.035  
11/19/2014,10:28:14,0.037  
11/19/2014,10:29:14,0.036  
11/19/2014,10:30:14,0.041  
11/19/2014,10:31:14,0.041  
11/19/2014,10:32:14,0.044  
11/19/2014,10:33:14,0.042  
11/19/2014,10:34:14,0.043  
11/19/2014,10:35:14,0.044  
11/19/2014,10:36:14,0.043  
11/19/2014,10:37:14,0.041  
11/19/2014,10:38:14,0.047

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_D  
Start Date:,11/19/2014  
Start Time:,11:59:48  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.036

11-19-14 Downwind-1 Dust

,Minimum:,0.031  
,Time of Minimum:,12:12:48  
,Date of Minimum:,11/19/2014  
,Maximum:,0.074  
,Time of Maximum:,12:00:48  
,Date of Maximum:,11/19/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
11/19/2014,12:00:48,0.074  
11/19/2014,12:01:48,0.040  
11/19/2014,12:02:48,0.035  
11/19/2014,12:03:48,0.035  
11/19/2014,12:04:48,0.033  
11/19/2014,12:05:48,0.036  
11/19/2014,12:06:48,0.034  
11/19/2014,12:07:48,0.034  
11/19/2014,12:08:48,0.035  
11/19/2014,12:09:48,0.032  
11/19/2014,12:10:48,0.032  
11/19/2014,12:11:48,0.032  
11/19/2014,12:12:48,0.031  
11/19/2014,12:13:48,0.033  
11/19/2014,12:14:48,0.031

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_E  
Start Date:,11/19/2014  
Start Time:,13:34:53  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.043  
,Minimum:,0.026  
,Time of Minimum:,13:37:53  
,Date of Minimum:,11/19/2014  
,Maximum:,0.250  
,Time of Maximum:,13:35:53  
,Date of Maximum:,11/19/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
11/19/2014,13:35:53,0.250  
11/19/2014,13:36:53,0.039  
11/19/2014,13:37:53,0.026  
11/19/2014,13:38:53,0.029  
11/19/2014,13:39:53,0.027  
11/19/2014,13:40:53,0.027  
11/19/2014,13:41:53,0.027  
11/19/2014,13:42:53,0.028  
11/19/2014,13:43:53,0.027  
11/19/2014,13:44:53,0.028  
11/19/2014,13:45:53,0.029  
11/19/2014,13:46:53,0.029

11-19-14 Downwind-1 Dust

11/19/2014,13:47:53,0.027  
11/19/2014,13:48:53,0.027  
11/19/2014,13:49:53,0.028

11-19-14 Downwind-1 VOC

14/11/19 08:28

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Summary

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 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907926  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 11/19/2014 08:28:32  
 End 11/19/2014 15:15:33  
 Sample Period(s) 900  
 Number of Records 27  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 11/19/2014 08:02  
 Peak 0.183  
 Min 0.055  
 Average 0.157  
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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	11/19/2014 08:43:32	0.026	0.080	0.055	
002	11/19/2014 08:58:32	0.074	0.120	0.087	
003	11/19/2014 09:13:32	0.103	0.137	0.111	
004	11/19/2014 09:28:32	0.120	0.138	0.125	
005	11/19/2014 09:43:32	0.134	0.153	0.138	
006	11/19/2014 09:58:32	0.144	0.157	0.151	
007	11/19/2014 10:13:32	0.152	0.172	0.169	
008	11/19/2014 10:28:32	0.163	0.218	0.157	
009	11/19/2014 10:43:32	0.166	0.183	0.162	
010	11/19/2014 10:58:32	0.167	0.185	0.169	
011	11/19/2014 11:13:32	0.172	0.186	0.173	
012	11/19/2014 11:28:32	0.174	0.192	0.174	
013	11/19/2014 11:43:32	0.174	0.191	0.183	
014	11/19/2014 11:58:32	0.173	0.184	0.171	
015	11/19/2014 12:13:32	0.171	0.185	0.171	
016	11/19/2014 12:28:32	0.172	0.184	0.171	
017	11/19/2014 12:43:32	0.175	0.196	0.173	
018	11/19/2014 12:58:32	0.174	0.189	0.172	
019	11/19/2014 13:13:32	0.172	0.200	0.175	
020	11/19/2014 13:28:32	0.182	0.368	0.174	
021	11/19/2014 13:43:32	0.176	0.221	0.173	
022	11/19/2014 13:58:32	0.173	0.195	0.167	
023	11/19/2014 14:13:32	0.167	0.180	0.168	
024	11/19/2014 14:28:32	0.167	0.173	0.168	
025	11/19/2014 14:43:32	0.167	0.175	0.164	



		11-19-14 Downwind-1 VOC			
026	11/19/2014 14:58:32	0.164	0.172	0.166	
027	11/19/2014 15:13:32	0.166	0.170	0.168	
Peak		0.182	0.368	0.183	
Min		0.026	0.080	0.055	
Average		0.154	0.182	0.157	

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	11/19/2014 08:43:32	0.002	0.055
002	11/19/2014 08:58:32	0.004	0.087
003	11/19/2014 09:13:32	0.008	0.111
004	11/19/2014 09:28:32	0.012	0.125
005	11/19/2014 09:43:32	0.016	0.138
006	11/19/2014 09:58:32	0.021	0.151
007	11/19/2014 10:13:32	0.026	0.169
008	11/19/2014 10:28:32	0.031	0.157
009	11/19/2014 10:43:32	0.036	0.162
010	11/19/2014 10:58:32	0.041	0.169
011	11/19/2014 11:13:32	0.047	0.173
012	11/19/2014 11:28:32	0.052	0.174
013	11/19/2014 11:43:32	0.058	0.183
014	11/19/2014 11:58:32	0.063	0.171
015	11/19/2014 12:13:32	0.069	0.171
016	11/19/2014 12:28:32	0.074	0.171
017	11/19/2014 12:43:32	0.079	0.173
018	11/19/2014 12:58:32	0.085	0.172
019	11/19/2014 13:13:32	0.090	0.175
020	11/19/2014 13:28:32	0.096	0.174
021	11/19/2014 13:43:32	0.101	0.173
022	11/19/2014 13:58:32	0.106	0.167
023	11/19/2014 14:13:32	0.112	0.168
024	11/19/2014 14:28:32	0.117	0.168
025	11/19/2014 14:43:32	0.122	0.164
026	11/19/2014 14:58:32	0.127	0.166
027	11/19/2014 15:13:32	0.132	0.168

11-19-14 Downwind-2 VOC

14/11/19 08:15

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-913116  
 Unit Firmware Ver V1.20A  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 11/19/2014 08:15:17  
 End 11/19/2014 15:11:52  
 Sample Period(s) 900  
 Number of Records 27  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 5.000  
 Measurement Gas Isobutylene  
 Calibration Time 11/19/2014 08:01  
 Peak 0.228  
 Min 0.092  
 Average 0.192

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	11/19/2014 08:30:17	0.077	0.127	0.092	
002	11/19/2014 08:45:17	0.109	0.127	0.119	
003	11/19/2014 09:00:17	0.127	0.140	0.136	
004	11/19/2014 09:15:17	0.139	0.150	0.140	
005	11/19/2014 09:30:17	0.142	0.155	0.148	
006	11/19/2014 09:45:17	0.167	0.285	0.156	
007	11/19/2014 10:00:17	0.164	0.217	0.170	
008	11/19/2014 10:15:17	0.177	0.242	0.191	
009	11/19/2014 10:30:17	0.198	0.281	0.209	
010	11/19/2014 10:45:17	0.204	0.281	0.206	
011	11/19/2014 11:00:17	0.206	0.275	0.201	
012	11/19/2014 11:15:17	0.210	0.321	0.201	
013	11/19/2014 11:30:17	0.213	0.300	0.207	
014	11/19/2014 11:45:17	0.212	0.234	0.221	
015	11/19/2014 12:00:17	0.213	0.238	0.215	
016	11/19/2014 12:15:17	0.212	0.233	0.207	
017	11/19/2014 12:30:17	0.221	0.320	0.220	
018	11/19/2014 12:45:17	0.215	0.280	0.228	
019	11/19/2014 13:00:17	0.215	0.272	0.209	
020	11/19/2014 13:15:17	0.215	0.286	0.211	
021	11/19/2014 13:30:17	0.218	0.435	0.207	
022	11/19/2014 13:45:17	0.214	0.255	0.225	
023	11/19/2014 14:00:17	0.214	0.243	0.208	
024	11/19/2014 14:15:17	0.215	0.237	0.213	
025	11/19/2014 14:30:17	0.214	0.229	0.210	

		11-19-14 Downwind-2 VOC			
026	11/19/2014 14:45:17	0.214	0.231	0.217	
027	11/19/2014 15:00:17	0.215	0.229	0.216	
Peak		0.221	0.435	0.228	
Min		0.077	0.127	0.092	
Average		0.190	0.245	0.192	

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	11/19/2014 08:30:17	0.003	0.092
002	11/19/2014 08:45:17	0.007	0.119
003	11/19/2014 09:00:17	0.011	0.136
004	11/19/2014 09:15:17	0.015	0.140
005	11/19/2014 09:30:17	0.020	0.148
006	11/19/2014 09:45:17	0.025	0.156
007	11/19/2014 10:00:17	0.030	0.170
008	11/19/2014 10:15:17	0.036	0.191
009	11/19/2014 10:30:17	0.043	0.209
010	11/19/2014 10:45:17	0.049	0.206
011	11/19/2014 11:00:17	0.055	0.201
012	11/19/2014 11:15:17	0.062	0.201
013	11/19/2014 11:30:17	0.068	0.207
014	11/19/2014 11:45:17	0.075	0.221
015	11/19/2014 12:00:17	0.082	0.215
016	11/19/2014 12:15:17	0.088	0.207
017	11/19/2014 12:30:17	0.095	0.220
018	11/19/2014 12:45:17	0.102	0.228
019	11/19/2014 13:00:17	0.109	0.209
020	11/19/2014 13:15:17	0.115	0.211
021	11/19/2014 13:30:17	0.122	0.207
022	11/19/2014 13:45:17	0.129	0.225
023	11/19/2014 14:00:17	0.135	0.208
024	11/19/2014 14:15:17	0.142	0.213
025	11/19/2014 14:30:17	0.148	0.210
026	11/19/2014 14:45:17	0.155	0.217
027	11/19/2014 15:00:17	0.162	0.216

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,11/19/2014  
Start Time:,08:30:58  
Duration (dd:hh:mm:ss):,0:06:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,27  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.028  
,Minimum:,0.018  
,Time of Minimum:,09:30:58  
,Date of Minimum:,11/19/2014  
,Maximum:,0.036  
,Time of Maximum:,10:45:58  
,Date of Maximum:,11/19/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
11/19/2014,08:45:58,0.026  
11/19/2014,09:00:58,0.021  
11/19/2014,09:15:58,0.019  
11/19/2014,09:30:58,0.018  
11/19/2014,09:45:58,0.019  
11/19/2014,10:00:58,0.020  
11/19/2014,10:15:58,0.023  
11/19/2014,10:30:58,0.034  
11/19/2014,10:45:58,0.036  
11/19/2014,11:00:58,0.035  
11/19/2014,11:15:58,0.032  
11/19/2014,11:30:58,0.033  
11/19/2014,11:45:58,0.033  
11/19/2014,12:00:58,0.034  
11/19/2014,12:15:58,0.033  
11/19/2014,12:30:58,0.030  
11/19/2014,12:45:58,0.029  
11/19/2014,13:00:58,0.028  
11/19/2014,13:15:58,0.027  
11/19/2014,13:30:58,0.027  
11/19/2014,13:45:58,0.027  
11/19/2014,14:00:58,0.027  
11/19/2014,14:15:58,0.028  
11/19/2014,14:30:58,0.029  
11/19/2014,14:45:58,0.028  
11/19/2014,15:00:58,0.028  
11/19/2014,15:15:58,0.028

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_A  
Start Date:,11/19/2014  
Start Time:,08:50:30  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15

11-19-14 Upwind Dust

Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.022  
,Minimum: ,0.018  
,Time of Minimum: ,08:58:30  
,Date of Minimum: ,11/19/2014  
,Maximum: ,0.044  
,Time of Maximum: ,08:51:30  
,Date of Maximum: ,11/19/2014

Calibration,Sensor: ,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/19/2014,08:51:30,0.044  
11/19/2014,08:52:30,0.020  
11/19/2014,08:53:30,0.020  
11/19/2014,08:54:30,0.019  
11/19/2014,08:55:30,0.019  
11/19/2014,08:56:30,0.020  
11/19/2014,08:57:30,0.019  
11/19/2014,08:58:30,0.018  
11/19/2014,08:59:30,0.019  
11/19/2014,09:00:30,0.019  
11/19/2014,09:01:30,0.028  
11/19/2014,09:02:30,0.018  
11/19/2014,09:03:30,0.028  
11/19/2014,09:04:30,0.018  
11/19/2014,09:05:30,0.018

Model: ,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530143315  
Test ID: ,002  
Test Abbreviation: ,MANUAL\_002\_B  
Start Date: ,11/19/2014  
Start Time: ,10:58:47  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.033  
,Minimum: ,0.031  
,Time of Minimum: ,11:06:47  
,Date of Minimum: ,11/19/2014  
,Maximum: ,0.039  
,Time of Maximum: ,10:59:47  
,Date of Maximum: ,11/19/2014

Calibration,Sensor: ,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/19/2014,10:59:47,0.039  
11/19/2014,11:00:47,0.033  
11/19/2014,11:01:47,0.033  
11/19/2014,11:02:47,0.032  
11/19/2014,11:03:47,0.032  
11/19/2014,11:04:47,0.032  
11/19/2014,11:05:47,0.032

11-19-14 Upwind Dust

11/19/2014,11:06:47,0.031  
11/19/2014,11:07:47,0.031  
11/19/2014,11:08:47,0.032  
11/19/2014,11:09:47,0.032  
11/19/2014,11:10:47,0.032  
11/19/2014,11:11:47,0.032  
11/19/2014,11:12:47,0.033  
11/19/2014,11:13:47,0.033

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,11/20/2014  
Start Time:,08:26:52  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.030  
,Minimum:,0.016  
,Time of Minimum:,08:41:52  
,Date of Minimum:,11/20/2014  
,Maximum:,0.112  
,Time of Maximum:,14:56:52  
,Date of Maximum:,11/20/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL

MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>

11/20/2014,08:41:52,0.016  
11/20/2014,08:56:52,0.077  
11/20/2014,09:11:52,0.040  
11/20/2014,09:26:52,0.104  
11/20/2014,09:41:52,0.030  
11/20/2014,09:56:52,0.021  
11/20/2014,10:11:52,0.018  
11/20/2014,10:26:52,0.017  
11/20/2014,10:41:52,0.017  
11/20/2014,10:56:52,0.032  
11/20/2014,11:11:52,0.017  
11/20/2014,11:26:52,0.021  
11/20/2014,11:41:52,0.018  
11/20/2014,11:56:52,0.019  
11/20/2014,12:11:52,0.018  
11/20/2014,12:26:52,0.019  
11/20/2014,12:41:52,0.021  
11/20/2014,12:56:52,0.022  
11/20/2014,13:11:52,0.023  
11/20/2014,13:26:52,0.028  
11/20/2014,13:41:52,0.024  
11/20/2014,13:56:52,0.022  
11/20/2014,14:11:52,0.022  
11/20/2014,14:26:52,0.022  
11/20/2014,14:41:52,0.023  
11/20/2014,14:56:52,0.112  
11/20/2014,15:11:52,0.027  
11/20/2014,15:26:52,0.027  
11/20/2014,15:41:52,0.025

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_A  
Start Date:,11/20/2014  
Start Time:,08:42:45  
Duration (dd:hh:mm:ss):,0:00:15:00

11-20-14 Downwind-1 Dust

Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.076  
,Minimum:,0.017  
,Time of Minimum:,08:50:45  
,Date of Minimum:,11/20/2014  
,Maximum:,0.439  
,Time of Maximum:,08:46:45  
,Date of Maximum:,11/20/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/20/2014,08:43:45,0.144  
11/20/2014,08:44:45,0.258  
11/20/2014,08:45:45,0.039  
11/20/2014,08:46:45,0.439  
11/20/2014,08:47:45,0.033  
11/20/2014,08:48:45,0.025  
11/20/2014,08:49:45,0.019  
11/20/2014,08:50:45,0.017  
11/20/2014,08:51:45,0.020  
11/20/2014,08:52:45,0.065  
11/20/2014,08:53:45,0.017  
11/20/2014,08:54:45,0.017  
11/20/2014,08:55:45,0.017  
11/20/2014,08:56:45,0.017  
11/20/2014,08:57:45,0.018

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_B  
Start Date:,11/20/2014  
Start Time:,09:00:37  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.041  
,Minimum:,0.022  
,Time of Minimum:,09:04:37  
,Date of Minimum:,11/20/2014  
,Maximum:,0.226  
,Time of Maximum:,09:01:37  
,Date of Maximum:,11/20/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/20/2014,09:01:37,0.226  
11/20/2014,09:02:37,0.072  
11/20/2014,09:03:37,0.030  
11/20/2014,09:04:37,0.022  
11/20/2014,09:05:37,0.022



11-20-14 Downwind-1 Dust

11/20/2014,09:06:37,0.022  
11/20/2014,09:07:37,0.022  
11/20/2014,09:08:37,0.032  
11/20/2014,09:09:37,0.026  
11/20/2014,09:10:37,0.023  
11/20/2014,09:11:37,0.025  
11/20/2014,09:12:37,0.025  
11/20/2014,09:13:37,0.026  
11/20/2014,09:14:37,0.023  
11/20/2014,09:15:37,0.024

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530141112  
Test ID: ,003  
Test Abbreviation: ,MANUAL\_003\_C  
Start Date: ,11/20/2014  
Start Time: ,09:18:26  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.111  
,Minimum: ,0.023  
,Time of Minimum: ,09:33:26  
,Date of Minimum: ,11/20/2014  
,Maximum: ,0.514  
,Time of Maximum: ,09:19:26  
,Date of Maximum: ,11/20/2014

Calibration,Sensor: ,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
11/20/2014,09:19:26,0.514  
11/20/2014,09:20:26,0.065  
11/20/2014,09:21:26,0.037  
11/20/2014,09:22:26,0.026  
11/20/2014,09:23:26,0.024  
11/20/2014,09:24:26,0.180  
11/20/2014,09:25:26,0.025  
11/20/2014,09:26:26,0.471  
11/20/2014,09:27:26,0.084  
11/20/2014,09:28:26,0.051  
11/20/2014,09:29:26,0.042  
11/20/2014,09:30:26,0.032  
11/20/2014,09:31:26,0.063  
11/20/2014,09:32:26,0.026  
11/20/2014,09:33:26,0.023

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530141112  
Test ID: ,003  
Test Abbreviation: ,MANUAL\_003\_D  
Start Date: ,11/20/2014  
Start Time: ,10:44:57  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL

11-20-14 Downwind-1 Dust

,Units:,mg/m<sup>3</sup>  
,Average:,0.032  
,Minimum:,0.015  
,Time of Minimum:,10:51:57  
,Date of Minimum:,11/20/2014  
,Maximum:,0.232  
,Time of Maximum:,10:45:57  
,Date of Maximum:,11/20/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
11/20/2014,10:45:57,0.232  
11/20/2014,10:46:57,0.042  
11/20/2014,10:47:57,0.017  
11/20/2014,10:48:57,0.018  
11/20/2014,10:49:57,0.016  
11/20/2014,10:50:57,0.016  
11/20/2014,10:51:57,0.015  
11/20/2014,10:52:57,0.016  
11/20/2014,10:53:57,0.015  
11/20/2014,10:54:57,0.015  
11/20/2014,10:55:57,0.017  
11/20/2014,10:56:57,0.016  
11/20/2014,10:57:57,0.017  
11/20/2014,10:58:57,0.015  
11/20/2014,10:59:57,0.015

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_E  
Start Date:,11/20/2014  
Start Time:,11:19:25  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.022  
,Minimum:,0.014  
,Time of Minimum:,11:23:25  
,Date of Minimum:,11/20/2014  
,Maximum:,0.089  
,Time of Maximum:,11:20:25  
,Date of Maximum:,11/20/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
11/20/2014,11:20:25,0.089  
11/20/2014,11:21:25,0.023  
11/20/2014,11:22:25,0.016  
11/20/2014,11:23:25,0.014  
11/20/2014,11:24:25,0.016  
11/20/2014,11:25:25,0.016  
11/20/2014,11:26:25,0.015  
11/20/2014,11:27:25,0.016  
11/20/2014,11:28:25,0.015  
11/20/2014,11:29:25,0.016

11-20-14 Downwind-1 Dust

11/20/2014,11:30:25,0.017  
11/20/2014,11:31:25,0.016  
11/20/2014,11:32:25,0.016  
11/20/2014,11:33:25,0.018  
11/20/2014,11:34:25,0.025

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_F  
Start Date:,11/20/2014  
Start Time:,13:13:17  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.027  
,Minimum:,0.023  
,Time of Minimum:,13:18:17  
,Date of Minimum:,11/20/2014  
,Maximum:,0.048  
,Time of Maximum:,13:14:17  
,Date of Maximum:,11/20/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/20/2014,13:14:17,0.048  
11/20/2014,13:15:17,0.024  
11/20/2014,13:16:17,0.027  
11/20/2014,13:17:17,0.037  
11/20/2014,13:18:17,0.023  
11/20/2014,13:19:17,0.024  
11/20/2014,13:20:17,0.024  
11/20/2014,13:21:17,0.023  
11/20/2014,13:22:17,0.023  
11/20/2014,13:23:17,0.023  
11/20/2014,13:24:17,0.025  
11/20/2014,13:25:17,0.024  
11/20/2014,13:26:17,0.024  
11/20/2014,13:27:17,0.023  
11/20/2014,13:28:17,0.031

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_G  
Start Date:,11/20/2014  
Start Time:,14:47:34  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.112  
,Minimum:,0.023  
,Time of Minimum:,14:50:34  
,Date of Minimum:,11/20/2014

11-20-14 Downwind-1 Dust

,Maximum:,1.320  
,Time of Maximum:,14:48:34  
,Date of Maximum:,11/20/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m^3  
11/20/2014,14:48:34,1.320  
11/20/2014,14:49:34,0.037  
11/20/2014,14:50:34,0.023  
11/20/2014,14:51:34,0.023  
11/20/2014,14:52:34,0.041  
11/20/2014,14:53:34,0.028  
11/20/2014,14:54:34,0.024  
11/20/2014,14:55:34,0.023  
11/20/2014,14:56:34,0.023  
11/20/2014,14:57:34,0.023  
11/20/2014,14:58:34,0.024  
11/20/2014,14:59:34,0.024  
11/20/2014,15:00:34,0.025  
11/20/2014,15:01:34,0.025  
11/20/2014,15:02:34,0.024

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_H  
Start Date:,11/20/2014  
Start Time:,15:08:54  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m^3  
,Average:,0.029  
,Minimum:,0.024  
,Time of Minimum:,15:12:54  
,Date of Minimum:,11/20/2014  
,Maximum:,0.060  
,Time of Maximum:,15:09:54  
,Date of Maximum:,11/20/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m^3  
11/20/2014,15:09:54,0.060  
11/20/2014,15:10:54,0.025  
11/20/2014,15:11:54,0.025  
11/20/2014,15:12:54,0.024  
11/20/2014,15:13:54,0.026  
11/20/2014,15:14:54,0.025  
11/20/2014,15:15:54,0.025  
11/20/2014,15:16:54,0.025  
11/20/2014,15:17:54,0.025  
11/20/2014,15:18:54,0.036  
11/20/2014,15:19:54,0.031  
11/20/2014,15:20:54,0.027  
11/20/2014,15:21:54,0.027  
11/20/2014,15:22:54,0.025  
11/20/2014,15:23:54,0.025

11-20-14 Downwind-1 VOC

14/11/20 08:27

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907926  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 11/20/2014 08:27:19  
 End 11/20/2014 15:56:21  
 Sample Period(s) 900  
 Number of Records 29  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 11/20/2014 08:13  
 Peak 0.162  
 Min 0.044  
 Average 0.136  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	11/20/2014 08:42:19	0.034	0.100	0.044	0.044
002	11/20/2014 08:57:19	0.069	0.224	0.082	0.082
003	11/20/2014 09:12:19	0.093	0.159	0.104	0.104
004	11/20/2014 09:27:19	0.130	0.771	0.123	0.123
005	11/20/2014 09:42:19	0.124	0.140	0.128	0.128
006	11/20/2014 09:57:19	0.130	0.136	0.134	0.134
007	11/20/2014 10:12:19	0.134	0.143	0.135	0.135
008	11/20/2014 10:27:19	0.137	0.175	0.139	0.139
009	11/20/2014 10:42:19	0.140	0.153	0.139	0.139
010	11/20/2014 10:57:19	0.144	0.213	0.148	0.148
011	11/20/2014 11:12:19	0.148	0.305	0.143	0.143
012	11/20/2014 11:27:19	0.145	0.177	0.145	0.145
013	11/20/2014 11:42:19	0.146	0.177	0.142	0.142
014	11/20/2014 11:57:19	0.203	0.716	0.162	0.162
015	11/20/2014 12:12:19	0.162	0.185	0.153	0.153
016	11/20/2014 12:27:19	0.148	0.158	0.144	0.144
017	11/20/2014 12:42:19	0.146	0.155	0.148	0.148
018	11/20/2014 12:57:19	0.147	0.219	0.146	0.146
019	11/20/2014 13:12:19	0.149	0.229	0.155	0.155
020	11/20/2014 13:27:19	0.149	0.207	0.147	0.147
021	11/20/2014 13:42:19	0.150	0.185	0.143	0.143
022	11/20/2014 13:57:19	0.145	0.194	0.141	0.141
023	11/20/2014 14:12:19	0.144	0.160	0.142	0.142
024	11/20/2014 14:27:19	0.143	0.201	0.143	0.143
025	11/20/2014 14:42:19	0.140	0.201	0.152	0.152

11-20-14 Downwind-1 VOC					
026	11/20/2014	14:57:19	0.142	0.188	0.141
027	11/20/2014	15:12:19	0.143	0.245	0.149
028	11/20/2014	15:27:19	0.144	0.186	0.140
029	11/20/2014	15:42:19	0.143	0.180	0.144
Peak		0.203	0.771	0.162	
Min		0.034	0.100	0.044	
Average		0.137	0.224	0.136	

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	11/20/2014 08:42:19	0.001	0.044
002	11/20/2014 08:57:19	0.004	0.082
003	11/20/2014 09:12:19	0.007	0.104
004	11/20/2014 09:27:19	0.011	0.123
005	11/20/2014 09:42:19	0.015	0.128
006	11/20/2014 09:57:19	0.019	0.134
007	11/20/2014 10:12:19	0.023	0.135
008	11/20/2014 10:27:19	0.028	0.139
009	11/20/2014 10:42:19	0.032	0.139
010	11/20/2014 10:57:19	0.037	0.148
011	11/20/2014 11:12:19	0.041	0.143
012	11/20/2014 11:27:19	0.046	0.145
013	11/20/2014 11:42:19	0.050	0.142
014	11/20/2014 11:57:19	0.055	0.162
015	11/20/2014 12:12:19	0.060	0.153
016	11/20/2014 12:27:19	0.065	0.144
017	11/20/2014 12:42:19	0.069	0.148
018	11/20/2014 12:57:19	0.074	0.146
019	11/20/2014 13:12:19	0.079	0.155
020	11/20/2014 13:27:19	0.083	0.147
021	11/20/2014 13:42:19	0.088	0.143
022	11/20/2014 13:57:19	0.092	0.141
023	11/20/2014 14:12:19	0.096	0.142
024	11/20/2014 14:27:19	0.101	0.143
025	11/20/2014 14:42:19	0.106	0.152
026	11/20/2014 14:57:19	0.110	0.141
027	11/20/2014 15:12:19	0.115	0.149
028	11/20/2014 15:27:19	0.119	0.140
029	11/20/2014 15:42:19	0.124	0.144

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,11/20/2014  
Start Time:,08:19:48  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.022  
,Minimum:,0.015  
,Time of Minimum:,08:34:48  
,Date of Minimum:,11/20/2014  
,Maximum:,0.043  
,Time of Maximum:,09:19:48  
,Date of Maximum:,11/20/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/20/2014,08:34:48,0.015  
11/20/2014,08:49:48,0.041  
11/20/2014,09:04:48,0.023  
11/20/2014,09:19:48,0.043  
11/20/2014,09:34:48,0.028  
11/20/2014,09:49:48,0.022  
11/20/2014,10:04:48,0.019  
11/20/2014,10:19:48,0.018  
11/20/2014,10:34:48,0.016  
11/20/2014,10:49:48,0.017  
11/20/2014,11:04:48,0.018  
11/20/2014,11:19:48,0.017  
11/20/2014,11:34:48,0.016  
11/20/2014,11:49:48,0.018  
11/20/2014,12:04:48,0.018  
11/20/2014,12:19:48,0.020  
11/20/2014,12:34:48,0.021  
11/20/2014,12:49:48,0.022  
11/20/2014,13:04:48,0.023  
11/20/2014,13:19:48,0.024  
11/20/2014,13:34:48,0.024  
11/20/2014,13:49:48,0.023  
11/20/2014,14:04:48,0.022  
11/20/2014,14:19:48,0.022  
11/20/2014,14:34:48,0.023  
11/20/2014,14:49:48,0.023  
11/20/2014,15:04:48,0.024  
11/20/2014,15:19:48,0.024  
11/20/2014,15:34:48,0.023  
11/20/2014,15:49:48,0.025

11-20-14 Downwind-2 VOC

14/11/20 08:24

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-913116  
 Unit Firmware Ver V1.20A  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 11/20/2014 08:24:10  
 End 11/20/2014 16:00:48  
 Sample Period(s) 900  
 Number of Records 30  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 5.000  
 Measurement Gas Isobutylene  
 Calibration Time 11/20/2014 08:13  
 Peak 0.596  
 Min 0.027  
 Average 0.182  
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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	11/20/2014 08:39:10	0.018	0.062	0.027	
002	11/20/2014 08:54:10	0.047	0.114	0.060	
003	11/20/2014 09:09:10	0.077	0.119	0.089	
004	11/20/2014 09:24:10	0.104	0.193	0.112	
005	11/20/2014 09:39:10	0.122	0.144	0.130	
006	11/20/2014 09:54:10	0.133	0.158	0.133	
007	11/20/2014 10:09:10	0.141	0.221	0.146	
008	11/20/2014 10:24:10	0.153	0.182	0.156	
009	11/20/2014 10:39:10	0.158	0.202	0.158	
010	11/20/2014 10:54:10	0.158	0.195	0.160	
011	11/20/2014 11:09:10	0.160	0.184	0.166	
012	11/20/2014 11:24:10	0.156	0.185	0.162	
013	11/20/2014 11:39:10	0.155	0.177	0.167	
014	11/20/2014 11:54:10	0.180	0.738	0.596	
015	11/20/2014 12:09:10	0.205	0.598	0.180	
016	11/20/2014 12:24:10	0.180	0.212	0.180	
017	11/20/2014 12:39:10	0.185	0.205	0.184	
018	11/20/2014 12:54:10	0.190	0.232	0.200	
019	11/20/2014 13:09:10	0.197	0.231	0.192	
020	11/20/2014 13:24:10	0.202	0.246	0.191	
021	11/20/2014 13:39:10	0.203	0.265	0.252	
022	11/20/2014 13:54:10	0.203	0.247	0.205	
023	11/20/2014 14:09:10	0.201	0.247	0.191	
024	11/20/2014 14:24:10	0.201	0.275	0.203	
025	11/20/2014 14:39:10	0.198	0.235	0.196	



11-20-14 Downwind-2 VOC

026	11/20/2014	14:54:10	0.202	0.573	0.210
027	11/20/2014	15:09:10	0.200	0.252	0.204
028	11/20/2014	15:24:10	0.200	0.250	0.214
029	11/20/2014	15:39:10	0.201	0.225	0.193
030	11/20/2014	15:54:10	0.205	0.245	0.205
Peak			0.205	0.738	0.596
Min			0.018	0.062	0.027
Average			0.164	0.247	0.182

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	11/20/2014 08:39:10	0.001	0.027
002	11/20/2014 08:54:10	0.003	0.060
003	11/20/2014 09:09:10	0.005	0.089
004	11/20/2014 09:24:10	0.009	0.112
005	11/20/2014 09:39:10	0.013	0.130
006	11/20/2014 09:54:10	0.017	0.133
007	11/20/2014 10:09:10	0.022	0.146
008	11/20/2014 10:24:10	0.027	0.156
009	11/20/2014 10:39:10	0.032	0.158
010	11/20/2014 10:54:10	0.037	0.160
011	11/20/2014 11:09:10	0.042	0.166
012	11/20/2014 11:24:10	0.047	0.162
013	11/20/2014 11:39:10	0.052	0.167
014	11/20/2014 11:54:10	0.071	0.596
015	11/20/2014 12:09:10	0.076	0.180
016	11/20/2014 12:24:10	0.082	0.180
017	11/20/2014 12:39:10	0.088	0.184
018	11/20/2014 12:54:10	0.094	0.200
019	11/20/2014 13:09:10	0.100	0.192
020	11/20/2014 13:24:10	0.106	0.191
021	11/20/2014 13:39:10	0.114	0.252
022	11/20/2014 13:54:10	0.120	0.205
023	11/20/2014 14:09:10	0.126	0.191
024	11/20/2014 14:24:10	0.133	0.203
025	11/20/2014 14:39:10	0.139	0.196
026	11/20/2014 14:54:10	0.145	0.210
027	11/20/2014 15:09:10	0.152	0.204
028	11/20/2014 15:24:10	0.158	0.214
029	11/20/2014 15:39:10	0.164	0.193
030	11/20/2014 15:54:10	0.171	0.205

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,11/20/2014  
Start Time:,08:28:55  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.018  
,Minimum:,0.013  
,Time of Minimum:,10:43:55  
,Date of Minimum:,11/20/2014  
,Maximum:,0.024  
,Time of Maximum:,15:58:55  
,Date of Maximum:,11/20/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/20/2014,08:43:55,0.014  
11/20/2014,08:58:55,0.016  
11/20/2014,09:13:55,0.021  
11/20/2014,09:28:55,0.023  
11/20/2014,09:43:55,0.021  
11/20/2014,09:58:55,0.018  
11/20/2014,10:13:55,0.016  
11/20/2014,10:28:55,0.014  
11/20/2014,10:43:55,0.013  
11/20/2014,10:58:55,0.013  
11/20/2014,11:13:55,0.013  
11/20/2014,11:28:55,0.013  
11/20/2014,11:43:55,0.014  
11/20/2014,11:58:55,0.015  
11/20/2014,12:13:55,0.016  
11/20/2014,12:28:55,0.018  
11/20/2014,12:43:55,0.018  
11/20/2014,12:58:55,0.019  
11/20/2014,13:13:55,0.020  
11/20/2014,13:28:55,0.020  
11/20/2014,13:43:55,0.020  
11/20/2014,13:58:55,0.019  
11/20/2014,14:13:55,0.019  
11/20/2014,14:28:55,0.019  
11/20/2014,14:43:55,0.020  
11/20/2014,14:58:55,0.020  
11/20/2014,15:13:55,0.021  
11/20/2014,15:28:55,0.022  
11/20/2014,15:43:55,0.022  
11/20/2014,15:58:55,0.024

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,11/21/2014  
Start Time:,08:09:28  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.024  
,Minimum:,0.012  
,Time of Minimum:,14:39:28  
,Date of Minimum:,11/21/2014  
,Maximum:,0.043  
,Time of Maximum:,09:39:28  
,Date of Maximum:,11/21/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/21/2014,08:24:28,0.025  
11/21/2014,08:39:28,0.027  
11/21/2014,08:54:28,0.031  
11/21/2014,09:09:28,0.031  
11/21/2014,09:24:28,0.036  
11/21/2014,09:39:28,0.043  
11/21/2014,09:54:28,0.035  
11/21/2014,10:09:28,0.035  
11/21/2014,10:24:28,0.034  
11/21/2014,10:39:28,0.033  
11/21/2014,10:54:28,0.031  
11/21/2014,11:09:28,0.030  
11/21/2014,11:24:28,0.030  
11/21/2014,11:39:28,0.029  
11/21/2014,11:54:28,0.026  
11/21/2014,12:09:28,0.025  
11/21/2014,12:24:28,0.024  
11/21/2014,12:39:28,0.019  
11/21/2014,12:54:28,0.016  
11/21/2014,13:09:28,0.014  
11/21/2014,13:24:28,0.018  
11/21/2014,13:39:28,0.019  
11/21/2014,13:54:28,0.016  
11/21/2014,14:09:28,0.013  
11/21/2014,14:24:28,0.013  
11/21/2014,14:39:28,0.012  
11/21/2014,14:54:28,0.013  
11/21/2014,15:09:28,0.014  
11/21/2014,15:24:28,0.017  
11/21/2014,15:39:28,0.017  
11/21/2014,15:54:28,0.018

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_A  
Start Date:,11/21/2014

11-21-14 Downwind-1 Dust

Start Time:,09:34:54  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.042  
,Minimum:,0.034  
,Time of Minimum:,09:39:54  
,Date of Minimum:,11/21/2014  
,Maximum:,0.095  
,Time of Maximum:,09:35:54  
,Date of Maximum:,11/21/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/21/2014,09:35:54,0.095  
11/21/2014,09:36:54,0.069  
11/21/2014,09:37:54,0.044  
11/21/2014,09:38:54,0.035  
11/21/2014,09:39:54,0.034  
11/21/2014,09:40:54,0.034  
11/21/2014,09:41:54,0.035  
11/21/2014,09:42:54,0.035  
11/21/2014,09:43:54,0.035  
11/21/2014,09:44:54,0.036  
11/21/2014,09:45:54,0.036  
11/21/2014,09:46:54,0.036  
11/21/2014,09:47:54,0.035  
11/21/2014,09:48:54,0.035  
11/21/2014,09:49:54,0.035

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_B  
Start Date:,11/21/2014  
Start Time:,13:26:22  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.018  
,Minimum:,0.017  
,Time of Minimum:,13:28:22  
,Date of Minimum:,11/21/2014  
,Maximum:,0.033  
,Time of Maximum:,13:27:22  
,Date of Maximum:,11/21/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/21/2014,13:27:22,0.033  
11/21/2014,13:28:22,0.017  
11/21/2014,13:29:22,0.017

11-21-14 Downwind-1 Dust

11/21/2014,13:30:22,0.017  
11/21/2014,13:31:22,0.017  
11/21/2014,13:32:22,0.017  
11/21/2014,13:33:22,0.017  
11/21/2014,13:34:22,0.018  
11/21/2014,13:35:22,0.017  
11/21/2014,13:36:22,0.018  
11/21/2014,13:37:22,0.017  
11/21/2014,13:38:22,0.017  
11/21/2014,13:39:22,0.017  
11/21/2014,13:40:22,0.018  
11/21/2014,13:41:22,0.019

11-21-14 Downwind-1 VOC.prs

14/11/21 08:10

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907926  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 11/21/2014 08:10:05  
 End 11/21/2014 16:00:25  
 Sample Period(s) 900  
 Number of Records 31  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 11/21/2014 07:47  
 Peak 0.207  
 Min 0.100  
 Average 0.186  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	11/21/2014 08:25:05	0.084	0.120	0.100	
002	11/21/2014 08:40:05	0.110	0.135	0.130	
003	11/21/2014 08:55:05	0.128	0.155	0.136	
004	11/21/2014 09:10:05	0.141	0.159	0.148	
005	11/21/2014 09:25:05	0.156	0.169	0.164	
006	11/21/2014 09:40:05	0.168	0.229	0.167	
007	11/21/2014 09:55:05	0.173	0.181	0.180	
008	11/21/2014 10:10:05	0.183	0.242	0.184	
009	11/21/2014 10:25:05	0.189	0.203	0.192	
010	11/21/2014 10:40:05	0.194	0.226	0.195	
011	11/21/2014 10:55:05	0.198	0.203	0.199	
012	11/21/2014 11:10:05	0.200	0.210	0.204	
013	11/21/2014 11:25:05	0.203	0.224	0.203	
014	11/21/2014 11:40:05	0.205	0.223	0.207	
015	11/21/2014 11:55:05	0.207	0.247	0.204	
016	11/21/2014 12:10:05	0.205	0.229	0.202	
017	11/21/2014 12:25:05	0.206	0.217	0.205	
018	11/21/2014 12:40:05	0.201	0.209	0.199	
019	11/21/2014 12:55:05	0.200	0.214	0.197	
020	11/21/2014 13:10:05	0.198	0.206	0.197	
021	11/21/2014 13:25:05	0.199	0.243	0.202	
022	11/21/2014 13:40:05	0.200	0.209	0.202	
023	11/21/2014 13:55:05	0.199	0.213	0.195	
024	11/21/2014 14:10:05	0.195	0.230	0.191	
025	11/21/2014 14:25:05	0.193	0.210	0.196	

11-21-14 Downwind-1 VOC.prs

026	11/21/2014	14:40:05	0.193	0.204	0.194
027	11/21/2014	14:55:05	0.193	0.228	0.192
028	11/21/2014	15:10:05	0.194	0.206	0.195
029	11/21/2014	15:25:05	0.196	0.209	0.196
030	11/21/2014	15:40:05	0.197	0.232	0.196
031	11/21/2014	15:55:05	0.197	0.216	0.198
Peak			0.207	0.247	0.207
Min			0.084	0.120	0.100
Average			0.184	0.206	0.186

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	11/21/2014 08:25:05	0.003	0.100
002	11/21/2014 08:40:05	0.007	0.130
003	11/21/2014 08:55:05	0.011	0.136
004	11/21/2014 09:10:05	0.016	0.148
005	11/21/2014 09:25:05	0.021	0.164
006	11/21/2014 09:40:05	0.026	0.167
007	11/21/2014 09:55:05	0.032	0.180
008	11/21/2014 10:10:05	0.038	0.184
009	11/21/2014 10:25:05	0.044	0.192
010	11/21/2014 10:40:05	0.050	0.195
011	11/21/2014 10:55:05	0.056	0.199
012	11/21/2014 11:10:05	0.062	0.204
013	11/21/2014 11:25:05	0.069	0.203
014	11/21/2014 11:40:05	0.075	0.207
015	11/21/2014 11:55:05	0.082	0.204
016	11/21/2014 12:10:05	0.088	0.202
017	11/21/2014 12:25:05	0.094	0.205
018	11/21/2014 12:40:05	0.101	0.199
019	11/21/2014 12:55:05	0.107	0.197
020	11/21/2014 13:10:05	0.113	0.197
021	11/21/2014 13:25:05	0.119	0.202
022	11/21/2014 13:40:05	0.126	0.202
023	11/21/2014 13:55:05	0.132	0.195
024	11/21/2014 14:10:05	0.138	0.191
025	11/21/2014 14:25:05	0.144	0.196
026	11/21/2014 14:40:05	0.150	0.194
027	11/21/2014 14:55:05	0.156	0.192
028	11/21/2014 15:10:05	0.162	0.195
029	11/21/2014 15:25:05	0.168	0.196
030	11/21/2014 15:40:05	0.174	0.196
031	11/21/2014 15:55:05	0.180	0.198

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530122515  
Test ID: ,004  
Test Abbreviation: ,MANUAL\_004  
Start Date: ,11/21/2014  
Start Time: ,08:01:55  
Duration (dd:hh:mm:ss): ,0:07:45:00  
Log Interval (mm:ss): ,15:00  
Number of points: ,31  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.022  
,Minimum: ,0.012  
,Time of Minimum: ,14:01:55  
,Date of Minimum: ,11/21/2014  
,Maximum: ,0.051  
,Time of Maximum: ,10:31:55  
,Date of Maximum: ,11/21/2014

Calibration,Sensor: ,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/21/2014,08:16:55,0.023  
11/21/2014,08:31:55,0.024  
11/21/2014,08:46:55,0.024  
11/21/2014,09:01:55,0.027  
11/21/2014,09:16:55,0.030  
11/21/2014,09:31:55,0.031  
11/21/2014,09:46:55,0.031  
11/21/2014,10:01:55,0.031  
11/21/2014,10:16:55,0.031  
11/21/2014,10:31:55,0.051  
11/21/2014,10:46:55,0.028  
11/21/2014,11:01:55,0.027  
11/21/2014,11:16:55,0.026  
11/21/2014,11:31:55,0.024  
11/21/2014,11:46:55,0.024  
11/21/2014,12:01:55,0.022  
11/21/2014,12:16:55,0.021  
11/21/2014,12:31:55,0.018  
11/21/2014,12:46:55,0.016  
11/21/2014,13:01:55,0.013  
11/21/2014,13:16:55,0.014  
11/21/2014,13:31:55,0.018  
11/21/2014,13:46:55,0.017  
11/21/2014,14:01:55,0.012  
11/21/2014,14:16:55,0.012  
11/21/2014,14:31:55,0.012  
11/21/2014,14:46:55,0.012  
11/21/2014,15:01:55,0.015  
11/21/2014,15:16:55,0.015  
11/21/2014,15:31:55,0.016  
11/21/2014,15:46:55,0.018



14/11/21 08:06

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-913116  
 Unit Firmware Ver V1.20A  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 11/21/2014 08:06:31  
 End 11/21/2014 16:04:19  
 Sample Period(s) 900  
 Number of Records 31  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 5.000  
 Measurement Gas Isobutylene  
 Calibration Time 11/21/2014 07:49  
 Peak 0.466  
 Min 0.198  
 Average 0.401

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	11/21/2014 08:21:31	0.149	0.198	0.198	0.198
002	11/21/2014 08:36:31	0.222	0.244	0.244	0.244
003	11/21/2014 08:51:31	0.259	0.272	0.271	0.271
004	11/21/2014 09:06:31	0.281	0.295	0.295	0.295
005	11/21/2014 09:21:31	0.311	0.336	0.336	0.336
006	11/21/2014 09:36:31	0.337	0.349	0.347	0.347
007	11/21/2014 09:51:31	0.345	0.366	0.356	0.356
008	11/21/2014 10:06:31	0.370	0.387	0.387	0.387
009	11/21/2014 10:21:31	0.385	0.409	0.389	0.389
010	11/21/2014 10:36:31	0.406	0.438	0.415	0.415
011	11/21/2014 10:51:31	0.416	0.438	0.419	0.419
012	11/21/2014 11:06:31	0.418	0.439	0.412	0.412
013	11/21/2014 11:21:31	0.436	0.460	0.432	0.432
014	11/21/2014 11:36:31	0.445	0.466	0.450	0.450
015	11/21/2014 11:51:31	0.451	0.471	0.439	0.439
016	11/21/2014 12:06:31	0.454	0.473	0.466	0.466
017	11/21/2014 12:21:31	0.451	0.471	0.437	0.437
018	11/21/2014 12:36:31	0.452	0.469	0.459	0.459
019	11/21/2014 12:51:31	0.448	0.466	0.456	0.456
020	11/21/2014 13:06:31	0.446	0.461	0.460	0.460
021	11/21/2014 13:21:31	0.449	0.463	0.443	0.443
022	11/21/2014 13:36:31	0.450	0.461	0.443	0.443
023	11/21/2014 13:51:31	0.456	0.467	0.459	0.459
024	11/21/2014 14:06:31	0.395	0.466	0.374	0.374
025	11/21/2014 14:21:31	0.399	0.421	0.418	0.418

11-21-14 Downwind-2 VOC.prs

026	11/21/2014	14:36:31	0.425	0.439	0.422
027	11/21/2014	14:51:31	0.438	0.448	0.445
028	11/21/2014	15:06:31	0.441	0.451	0.429
029	11/21/2014	15:21:31	0.434	0.445	0.435
030	11/21/2014	15:36:31	0.445	0.457	0.449
031	11/21/2014	15:51:31	0.445	0.453	0.442
Peak			0.456	0.473	0.466
Min			0.149	0.198	0.198
Average			0.395	0.415	0.401

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	11/21/2014 08:21:31	0.006	0.198
002	11/21/2014 08:36:31	0.014	0.244
003	11/21/2014 08:51:31	0.022	0.271
004	11/21/2014 09:06:31	0.032	0.295
005	11/21/2014 09:21:31	0.042	0.336
006	11/21/2014 09:36:31	0.053	0.347
007	11/21/2014 09:51:31	0.064	0.356
008	11/21/2014 10:06:31	0.076	0.387
009	11/21/2014 10:21:31	0.088	0.389
010	11/21/2014 10:36:31	0.101	0.415
011	11/21/2014 10:51:31	0.114	0.419
012	11/21/2014 11:06:31	0.127	0.412
013	11/21/2014 11:21:31	0.141	0.432
014	11/21/2014 11:36:31	0.155	0.450
015	11/21/2014 11:51:31	0.168	0.439
016	11/21/2014 12:06:31	0.183	0.466
017	11/21/2014 12:21:31	0.197	0.437
018	11/21/2014 12:36:31	0.211	0.459
019	11/21/2014 12:51:31	0.225	0.456
020	11/21/2014 13:06:31	0.240	0.460
021	11/21/2014 13:21:31	0.253	0.443
022	11/21/2014 13:36:31	0.267	0.443
023	11/21/2014 13:51:31	0.282	0.459
024	11/21/2014 14:06:31	0.293	0.374
025	11/21/2014 14:21:31	0.306	0.418
026	11/21/2014 14:36:31	0.320	0.422
027	11/21/2014 14:51:31	0.334	0.445
028	11/21/2014 15:06:31	0.347	0.429
029	11/21/2014 15:21:31	0.361	0.435
030	11/21/2014 15:36:31	0.375	0.449
031	11/21/2014 15:51:31	0.388	0.442

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,11/21/2014  
Start Time:,08:11:03  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.019  
,Minimum:,0.009  
,Time of Minimum:,14:11:03  
,Date of Minimum:,11/21/2014  
,Maximum:,0.031  
,Time of Maximum:,09:26:03  
,Date of Maximum:,11/21/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/21/2014,08:26:03,0.020  
11/21/2014,08:41:03,0.023  
11/21/2014,08:56:03,0.024  
11/21/2014,09:11:03,0.029  
11/21/2014,09:26:03,0.031  
11/21/2014,09:41:03,0.030  
11/21/2014,09:56:03,0.031  
11/21/2014,10:11:03,0.030  
11/21/2014,10:26:03,0.029  
11/21/2014,10:41:03,0.028  
11/21/2014,10:56:03,0.026  
11/21/2014,11:11:03,0.026  
11/21/2014,11:26:03,0.024  
11/21/2014,11:41:03,0.024  
11/21/2014,11:56:03,0.021  
11/21/2014,12:11:03,0.019  
11/21/2014,12:26:03,0.017  
11/21/2014,12:41:03,0.014  
11/21/2014,12:56:03,0.010  
11/21/2014,13:11:03,0.010  
11/21/2014,13:26:03,0.013  
11/21/2014,13:41:03,0.014  
11/21/2014,13:56:03,0.011  
11/21/2014,14:11:03,0.009  
11/21/2014,14:26:03,0.009  
11/21/2014,14:41:03,0.009  
11/21/2014,14:56:03,0.009  
11/21/2014,15:11:03,0.011  
11/21/2014,15:26:03,0.012  
11/21/2014,15:41:03,0.012  
11/21/2014,15:56:03,0.013

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_A  
Start Date:,11/21/2014

11-21-14 Upwind Dust

Start Time:,14:35:32  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.009  
,Minimum:,0.008  
,Time of Minimum:,14:37:32  
,Date of Minimum:,11/21/2014  
,Maximum:,0.018  
,Time of Maximum:,14:36:32  
,Date of Maximum:,11/21/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/21/2014,14:36:32,0.018  
11/21/2014,14:37:32,0.008  
11/21/2014,14:38:32,0.008  
11/21/2014,14:39:32,0.008  
11/21/2014,14:40:32,0.008  
11/21/2014,14:41:32,0.008  
11/21/2014,14:42:32,0.008  
11/21/2014,14:43:32,0.008  
11/21/2014,14:44:32,0.009  
11/21/2014,14:45:32,0.009  
11/21/2014,14:46:32,0.009  
11/21/2014,14:47:32,0.010  
11/21/2014,14:48:32,0.009  
11/21/2014,14:49:32,0.009  
11/21/2014,14:50:32,0.009

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,005  
Test Abbreviation:,MANUAL\_005  
Start Date:,11/22/2014  
Start Time:,08:11:36  
Duration (dd:hh:mm:ss):,0:06:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,27  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.036  
,Minimum:,0.029  
,Time of Minimum:,10:26:36  
,Date of Minimum:,11/22/2014  
,Maximum:,0.053  
,Time of Maximum:,14:56:36  
,Date of Maximum:,11/22/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/22/2014,08:26:36,0.033  
11/22/2014,08:41:36,0.030  
11/22/2014,08:56:36,0.030  
11/22/2014,09:11:36,0.030  
11/22/2014,09:26:36,0.032  
11/22/2014,09:41:36,0.033  
11/22/2014,09:56:36,0.030  
11/22/2014,10:11:36,0.030  
11/22/2014,10:26:36,0.029  
11/22/2014,10:41:36,0.030  
11/22/2014,10:56:36,0.034  
11/22/2014,11:11:36,0.037  
11/22/2014,11:26:36,0.034  
11/22/2014,11:41:36,0.038  
11/22/2014,11:56:36,0.041  
11/22/2014,12:11:36,0.038  
11/22/2014,12:26:36,0.038  
11/22/2014,12:41:36,0.038  
11/22/2014,12:56:36,0.036  
11/22/2014,13:11:36,0.037  
11/22/2014,13:26:36,0.038  
11/22/2014,13:41:36,0.037  
11/22/2014,13:56:36,0.039  
11/22/2014,14:11:36,0.040  
11/22/2014,14:26:36,0.045  
11/22/2014,14:41:36,0.051  
11/22/2014,14:56:36,0.053

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_A  
Start Date:,11/22/2014  
Start Time:,09:57:03  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15

11-22-14 Downwind-1 Dust

Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.030  
,Minimum: ,0.029  
,Time of Minimum: ,10:05:03  
,Date of Minimum: ,11/22/2014  
,Maximum: ,0.037  
,Time of Maximum: ,09:58:03  
,Date of Maximum: ,11/22/2014

Calibration,Sensor: ,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
11/22/2014,09:58:03,0.037  
11/22/2014,09:59:03,0.030  
11/22/2014,10:00:03,0.030  
11/22/2014,10:01:03,0.030  
11/22/2014,10:02:03,0.031  
11/22/2014,10:03:03,0.030  
11/22/2014,10:04:03,0.030  
11/22/2014,10:05:03,0.029  
11/22/2014,10:06:03,0.030  
11/22/2014,10:07:03,0.029  
11/22/2014,10:08:03,0.029  
11/22/2014,10:09:03,0.029  
11/22/2014,10:10:03,0.029  
11/22/2014,10:11:03,0.029  
11/22/2014,10:12:03,0.029

14/11/22 08:12

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907926  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 11/22/2014 08:12:22  
 End 11/22/2014 15:05:54  
 Sample Period(s) 900  
 Number of Records 27  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 11/22/2014 07:50  
 Peak 0.321  
 Min 0.099  
 Average 0.197  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	11/22/2014 08:27:22	0.098	0.163	0.099	
002	11/22/2014 08:42:22	0.100	0.109	0.106	
003	11/22/2014 08:57:22	0.107	0.119	0.116	
004	11/22/2014 09:12:22	0.120	0.131	0.127	
005	11/22/2014 09:27:22	0.132	0.144	0.138	
006	11/22/2014 09:42:22	0.145	0.154	0.150	
007	11/22/2014 09:57:22	0.172	0.309	0.169	
008	11/22/2014 10:12:22	0.169	0.181	0.167	
009	11/22/2014 10:27:22	0.173	0.179	0.177	
010	11/22/2014 10:42:22	0.179	0.188	0.186	
011	11/22/2014 10:57:22	0.184	0.195	0.187	
012	11/22/2014 11:12:22	0.185	0.192	0.188	
013	11/22/2014 11:27:22	0.189	0.198	0.192	
014	11/22/2014 11:42:22	0.190	0.213	0.191	
015	11/22/2014 11:57:22	0.189	0.204	0.191	
016	11/22/2014 12:12:22	0.187	0.201	0.188	
017	11/22/2014 12:27:22	0.210	0.348	0.321	
018	11/22/2014 12:42:22	0.213	0.329	0.210	
019	11/22/2014 12:57:22	0.212	0.223	0.214	
020	11/22/2014 13:12:22	0.218	0.227	0.224	
021	11/22/2014 13:27:22	0.226	0.238	0.232	
022	11/22/2014 13:42:22	0.233	0.255	0.236	
023	11/22/2014 13:57:22	0.239	0.251	0.245	
024	11/22/2014 14:12:22	0.246	0.273	0.253	
025	11/22/2014 14:27:22	0.256	0.268	0.261	

11-22-14 Downwind-1 VOC.prs					
026	11/22/2014	14:42:22	0.269	0.280	0.277
027	11/22/2014	14:57:22	0.279	0.287	0.284
Peak			0.279	0.348	0.321
Min			0.098	0.109	0.099
Average			0.190	0.217	0.197

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TWA/STEL

Index	Date/Time	VOC(ppm)	
		(TWA)	(STEL)
001	11/22/2014 08:27:22	0.003	0.099
002	11/22/2014 08:42:22	0.006	0.106
003	11/22/2014 08:57:22	0.010	0.116
004	11/22/2014 09:12:22	0.014	0.127
005	11/22/2014 09:27:22	0.018	0.138
006	11/22/2014 09:42:22	0.023	0.150
007	11/22/2014 09:57:22	0.028	0.169
008	11/22/2014 10:12:22	0.034	0.167
009	11/22/2014 10:27:22	0.039	0.177
010	11/22/2014 10:42:22	0.045	0.186
011	11/22/2014 10:57:22	0.051	0.187
012	11/22/2014 11:12:22	0.057	0.188
013	11/22/2014 11:27:22	0.063	0.192
014	11/22/2014 11:42:22	0.069	0.191
015	11/22/2014 11:57:22	0.074	0.191
016	11/22/2014 12:12:22	0.080	0.188
017	11/22/2014 12:27:22	0.090	0.321
018	11/22/2014 12:42:22	0.097	0.210
019	11/22/2014 12:57:22	0.104	0.214
020	11/22/2014 13:12:22	0.111	0.224
021	11/22/2014 13:27:22	0.118	0.232
022	11/22/2014 13:42:22	0.125	0.236
023	11/22/2014 13:57:22	0.133	0.245
024	11/22/2014 14:12:22	0.141	0.253
025	11/22/2014 14:27:22	0.149	0.261
026	11/22/2014 14:42:22	0.158	0.277
027	11/22/2014 14:57:22	0.167	0.284



TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,005  
Test Abbreviation:,MANUAL\_005  
Start Date:,11/22/2014  
Start Time:,08:03:48  
Duration (dd:hh:mm:ss):,0:06:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,27  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.033  
,Minimum:,0.027  
,Time of Minimum:,08:33:48  
,Date of Minimum:,11/22/2014  
,Maximum:,0.047  
,Time of Maximum:,14:48:48  
,Date of Maximum:,11/22/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/22/2014,08:18:48,0.028  
11/22/2014,08:33:48,0.027  
11/22/2014,08:48:48,0.028  
11/22/2014,09:03:48,0.029  
11/22/2014,09:18:48,0.029  
11/22/2014,09:33:48,0.029  
11/22/2014,09:48:48,0.028  
11/22/2014,10:03:48,0.028  
11/22/2014,10:18:48,0.028  
11/22/2014,10:33:48,0.028  
11/22/2014,10:48:48,0.030  
11/22/2014,11:03:48,0.031  
11/22/2014,11:18:48,0.032  
11/22/2014,11:33:48,0.033  
11/22/2014,11:48:48,0.034  
11/22/2014,12:03:48,0.035  
11/22/2014,12:18:48,0.034  
11/22/2014,12:33:48,0.035  
11/22/2014,12:48:48,0.034  
11/22/2014,13:03:48,0.034  
11/22/2014,13:18:48,0.035  
11/22/2014,13:33:48,0.035  
11/22/2014,13:48:48,0.034  
11/22/2014,14:03:48,0.037  
11/22/2014,14:18:48,0.041  
11/22/2014,14:33:48,0.045  
11/22/2014,14:48:48,0.047

14/11/22 08:08

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-913116  
 Unit Firmware Ver V1.20A  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 11/22/2014 08:08:31  
 End 11/22/2014 15:02:44  
 Sample Period(s) 900  
 Number of Records 27  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 5.000  
 Measurement Gas Isobutylene  
 Calibration Time 11/22/2014 07:52  
 Peak 0.210  
 Min 0.038  
 Average 0.139

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	11/22/2014 08:23:31	0.038	0.121	0.038	
002	11/22/2014 08:38:31	0.043	0.056	0.051	
003	11/22/2014 08:53:31	0.060	0.072	0.069	
004	11/22/2014 09:08:31	0.078	0.093	0.085	
005	11/22/2014 09:23:31	0.094	0.102	0.097	
006	11/22/2014 09:38:31	0.105	0.120	0.117	
007	11/22/2014 09:53:31	0.122	0.133	0.127	
008	11/22/2014 10:08:31	0.130	0.138	0.132	
009	11/22/2014 10:23:31	0.136	0.145	0.140	
010	11/22/2014 10:38:31	0.143	0.151	0.146	
011	11/22/2014 10:53:31	0.153	0.161	0.154	
012	11/22/2014 11:08:31	0.157	0.163	0.161	
013	11/22/2014 11:23:31	0.160	0.172	0.161	
014	11/22/2014 11:38:31	0.155	0.170	0.151	
015	11/22/2014 11:53:31	0.138	0.158	0.126	
016	11/22/2014 12:08:31	0.120	0.140	0.124	
017	11/22/2014 12:23:31	0.118	0.140	0.140	
018	11/22/2014 12:38:31	0.126	0.147	0.144	
019	11/22/2014 12:53:31	0.137	0.157	0.135	
020	11/22/2014 13:08:31	0.148	0.173	0.161	
021	11/22/2014 13:23:31	0.157	0.180	0.153	
022	11/22/2014 13:38:31	0.167	0.189	0.177	
023	11/22/2014 13:53:31	0.175	0.197	0.179	
024	11/22/2014 14:08:31	0.185	0.212	0.183	
025	11/22/2014 14:23:31	0.193	0.218	0.209	

11-22-14 Downwind-2 VOC.prs

026	11/22/2014	14:38:31	0.202	0.234	0.184
027	11/22/2014	14:53:31	0.206	0.235	0.210
Peak			0.206	0.235	0.210
Min			0.038	0.056	0.038
Average			0.135	0.155	0.139

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	11/22/2014 08:23:31	0.001	0.038
002	11/22/2014 08:38:31	0.003	0.051
003	11/22/2014 08:53:31	0.005	0.069
004	11/22/2014 09:08:31	0.008	0.085
005	11/22/2014 09:23:31	0.011	0.097
006	11/22/2014 09:38:31	0.014	0.117
007	11/22/2014 09:53:31	0.018	0.127
008	11/22/2014 10:08:31	0.022	0.132
009	11/22/2014 10:23:31	0.027	0.140
010	11/22/2014 10:38:31	0.031	0.146
011	11/22/2014 10:53:31	0.036	0.154
012	11/22/2014 11:08:31	0.041	0.161
013	11/22/2014 11:23:31	0.046	0.161
014	11/22/2014 11:38:31	0.051	0.151
015	11/22/2014 11:53:31	0.055	0.126
016	11/22/2014 12:08:31	0.059	0.124
017	11/22/2014 12:23:31	0.063	0.140
018	11/22/2014 12:38:31	0.068	0.144
019	11/22/2014 12:53:31	0.072	0.135
020	11/22/2014 13:08:31	0.077	0.161
021	11/22/2014 13:23:31	0.082	0.153
022	11/22/2014 13:38:31	0.087	0.177
023	11/22/2014 13:53:31	0.093	0.179
024	11/22/2014 14:08:31	0.098	0.183
025	11/22/2014 14:23:31	0.105	0.209
026	11/22/2014 14:38:31	0.111	0.184
027	11/22/2014 14:53:31	0.117	0.210

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,005  
Test Abbreviation:,MANUAL\_005  
Start Date:,11/22/2014  
Start Time:,08:12:16  
Duration (dd:hh:mm:ss):,0:06:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,27  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.034  
,Minimum:,0.027  
,Time of Minimum:,08:42:16  
,Date of Minimum:,11/22/2014  
,Maximum:,0.052  
,Time of Maximum:,14:57:16  
,Date of Maximum:,11/22/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/22/2014,08:27:16,0.029  
11/22/2014,08:42:16,0.027  
11/22/2014,08:57:16,0.028  
11/22/2014,09:12:16,0.028  
11/22/2014,09:27:16,0.028  
11/22/2014,09:42:16,0.028  
11/22/2014,09:57:16,0.028  
11/22/2014,10:12:16,0.028  
11/22/2014,10:27:16,0.027  
11/22/2014,10:42:16,0.028  
11/22/2014,10:57:16,0.030  
11/22/2014,11:12:16,0.031  
11/22/2014,11:27:16,0.032  
11/22/2014,11:42:16,0.035  
11/22/2014,11:57:16,0.037  
11/22/2014,12:12:16,0.036  
11/22/2014,12:27:16,0.036  
11/22/2014,12:42:16,0.036  
11/22/2014,12:57:16,0.035  
11/22/2014,13:12:16,0.037  
11/22/2014,13:27:16,0.037  
11/22/2014,13:42:16,0.035  
11/22/2014,13:57:16,0.036  
11/22/2014,14:12:16,0.041  
11/22/2014,14:27:16,0.046  
11/22/2014,14:42:16,0.050  
11/22/2014,14:57:16,0.052

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_A  
Start Date:,11/22/2014  
Start Time:,08:12:17  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15

11-22-14 Upwind Dust

Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.029  
,Minimum: ,0.027  
,Time of Minimum: ,08:15:17  
,Date of Minimum: ,11/22/2014  
,Maximum: ,0.056  
,Time of Maximum: ,08:13:17  
,Date of Maximum: ,11/22/2014

Calibration,Sensor: ,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/22/2014,08:13:17,0.056  
11/22/2014,08:14:17,0.028  
11/22/2014,08:15:17,0.027  
11/22/2014,08:16:17,0.027  
11/22/2014,08:17:17,0.027  
11/22/2014,08:18:17,0.027  
11/22/2014,08:19:17,0.027  
11/22/2014,08:20:17,0.027  
11/22/2014,08:21:17,0.027  
11/22/2014,08:22:17,0.028  
11/22/2014,08:23:17,0.027  
11/22/2014,08:24:17,0.027  
11/22/2014,08:25:17,0.027  
11/22/2014,08:26:17,0.027  
11/22/2014,08:27:17,0.027

Model: ,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530143315  
Test ID: ,005  
Test Abbreviation: ,MANUAL\_005\_B  
Start Date: ,11/22/2014  
Start Time: ,09:34:44  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.028  
,Minimum: ,0.027  
,Time of Minimum: ,09:44:44  
,Date of Minimum: ,11/22/2014  
,Maximum: ,0.033  
,Time of Maximum: ,09:35:44  
,Date of Maximum: ,11/22/2014

Calibration,Sensor: ,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/22/2014,09:35:44,0.033  
11/22/2014,09:36:44,0.028  
11/22/2014,09:37:44,0.028  
11/22/2014,09:38:44,0.028  
11/22/2014,09:39:44,0.028  
11/22/2014,09:40:44,0.028  
11/22/2014,09:41:44,0.028

11-22-14 Upwind Dust

11/22/2014,09:42:44,0.028  
11/22/2014,09:43:44,0.028  
11/22/2014,09:44:44,0.027  
11/22/2014,09:45:44,0.027  
11/22/2014,09:46:44,0.028  
11/22/2014,09:47:44,0.028  
11/22/2014,09:48:44,0.027  
11/22/2014,09:49:44,0.028

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_C  
Start Date:,11/22/2014  
Start Time:,13:11:49  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.037  
,Minimum:,0.036  
,Time of Minimum:,13:13:49  
,Date of Minimum:,11/22/2014  
,Maximum:,0.046  
,Time of Maximum:,13:12:49  
,Date of Maximum:,11/22/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/22/2014,13:12:49,0.046  
11/22/2014,13:13:49,0.036  
11/22/2014,13:14:49,0.036  
11/22/2014,13:15:49,0.036  
11/22/2014,13:16:49,0.037  
11/22/2014,13:17:49,0.037  
11/22/2014,13:18:49,0.037  
11/22/2014,13:19:49,0.037  
11/22/2014,13:20:49,0.037  
11/22/2014,13:21:49,0.037  
11/22/2014,13:22:49,0.038  
11/22/2014,13:23:49,0.038  
11/22/2014,13:24:49,0.037  
11/22/2014,13:25:49,0.036  
11/22/2014,13:26:49,0.037

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,11/24/2014  
Start Time:,08:13:53  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.009  
,Minimum:,0.005  
,Time of Minimum:,09:13:53  
,Date of Minimum:,11/24/2014  
,Maximum:,0.014  
,Time of Maximum:,11:43:53  
,Date of Maximum:,11/24/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/24/2014,08:28:53,0.007  
11/24/2014,08:43:53,0.006  
11/24/2014,08:58:53,0.006  
11/24/2014,09:13:53,0.005  
11/24/2014,09:28:53,0.005  
11/24/2014,09:43:53,0.005  
11/24/2014,09:58:53,0.005  
11/24/2014,10:13:53,0.005  
11/24/2014,10:28:53,0.006  
11/24/2014,10:43:53,0.008  
11/24/2014,10:58:53,0.009  
11/24/2014,11:13:53,0.011  
11/24/2014,11:28:53,0.012  
11/24/2014,11:43:53,0.014  
11/24/2014,11:58:53,0.014  
11/24/2014,12:13:53,0.013  
11/24/2014,12:28:53,0.012  
11/24/2014,12:43:53,0.012  
11/24/2014,12:58:53,0.012  
11/24/2014,13:13:53,0.012  
11/24/2014,13:28:53,0.012  
11/24/2014,13:43:53,0.012  
11/24/2014,13:58:53,0.012  
11/24/2014,14:13:53,0.014  
11/24/2014,14:28:53,0.012  
11/24/2014,14:43:53,0.007  
11/24/2014,14:58:53,0.005  
11/24/2014,15:13:53,0.006  
11/24/2014,15:28:53,0.008  
11/24/2014,15:43:53,0.006  
11/24/2014,15:58:53,0.007

11-24-14 Downwind-1 VOC

14/11/24 08:14

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907926  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 11/24/2014 08:14:59  
 End 11/24/2014 16:09:59  
 Sample Period(s) 900  
 Number of Records 31  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 11/24/2014 07:39  
 Peak 0.363  
 Min 0.108  
 Average 0.291

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	11/24/2014 08:29:59	0.099	0.147	0.108	
002	11/24/2014 08:44:59	0.127	0.157	0.138	
003	11/24/2014 08:59:59	0.155	0.174	0.169	
004	11/24/2014 09:14:59	0.183	0.198	0.197	
005	11/24/2014 09:29:59	0.204	0.218	0.212	
006	11/24/2014 09:44:59	0.226	0.340	0.230	
007	11/24/2014 09:59:59	0.239	0.255	0.245	
008	11/24/2014 10:14:59	0.250	0.265	0.251	
009	11/24/2014 10:29:59	0.255	0.270	0.259	
010	11/24/2014 10:44:59	0.264	0.276	0.271	
011	11/24/2014 10:59:59	0.278	0.290	0.284	
012	11/24/2014 11:14:59	0.290	0.313	0.292	
013	11/24/2014 11:29:59	0.300	0.313	0.305	
014	11/24/2014 11:44:59	0.306	0.317	0.309	
015	11/24/2014 11:59:59	0.323	0.346	0.343	
016	11/24/2014 12:14:59	0.348	0.355	0.349	
017	11/24/2014 12:29:59	0.346	0.352	0.346	
018	11/24/2014 12:44:59	0.347	0.353	0.347	
019	11/24/2014 12:59:59	0.355	0.367	0.363	
020	11/24/2014 13:14:59	0.359	0.368	0.357	
021	11/24/2014 13:29:59	0.355	0.365	0.350	
022	11/24/2014 13:44:59	0.380	1.480	0.362	
023	11/24/2014 13:59:59	0.353	0.371	0.345	
024	11/24/2014 14:14:59	0.345	0.375	0.340	
025	11/24/2014 14:29:59	0.330	0.345	0.321	



11-24-14 Downwind-1 VOC					
026	11/24/2014	14:44:59	0.317	0.329	0.313
027	11/24/2014	14:59:59	0.313	0.327	0.320
028	11/24/2014	15:14:59	0.313	0.327	0.316
029	11/24/2014	15:29:59	0.318	0.338	0.321
030	11/24/2014	15:44:59	0.324	0.336	0.330
031	11/24/2014	15:59:59	0.330	0.338	0.332
Peak		0.380 1.480	0.363		
Min		0.099 0.147	0.108		
Average		0.288 0.342	0.291		

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	11/24/2014 08:29:59	0.003	0.108
002	11/24/2014 08:44:59	0.008	0.138
003	11/24/2014 08:59:59	0.013	0.169
004	11/24/2014 09:14:59	0.019	0.197
005	11/24/2014 09:29:59	0.026	0.212
006	11/24/2014 09:44:59	0.033	0.230
007	11/24/2014 09:59:59	0.041	0.245
008	11/24/2014 10:14:59	0.048	0.251
009	11/24/2014 10:29:59	0.057	0.259
010	11/24/2014 10:44:59	0.065	0.271
011	11/24/2014 10:59:59	0.074	0.284
012	11/24/2014 11:14:59	0.083	0.292
013	11/24/2014 11:29:59	0.093	0.305
014	11/24/2014 11:44:59	0.102	0.309
015	11/24/2014 11:59:59	0.113	0.343
016	11/24/2014 12:14:59	0.124	0.349
017	11/24/2014 12:29:59	0.135	0.346
018	11/24/2014 12:44:59	0.145	0.347
019	11/24/2014 12:59:59	0.157	0.363
020	11/24/2014 13:14:59	0.168	0.357
021	11/24/2014 13:29:59	0.179	0.350
022	11/24/2014 13:44:59	0.190	0.362
023	11/24/2014 13:59:59	0.201	0.345
024	11/24/2014 14:14:59	0.212	0.340
025	11/24/2014 14:29:59	0.222	0.321
026	11/24/2014 14:44:59	0.231	0.313
027	11/24/2014 14:59:59	0.241	0.320
028	11/24/2014 15:14:59	0.251	0.316
029	11/24/2014 15:29:59	0.261	0.321
030	11/24/2014 15:44:59	0.272	0.330
031	11/24/2014 15:59:59	0.282	0.332

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,11/24/2014  
Start Time:,08:04:48  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.008  
,Minimum:,0.004  
,Time of Minimum:,09:49:48  
,Date of Minimum:,11/24/2014  
,Maximum:,0.013  
,Time of Maximum:,11:49:48  
,Date of Maximum:,11/24/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/24/2014,08:19:48,0.006  
11/24/2014,08:34:48,0.005  
11/24/2014,08:49:48,0.005  
11/24/2014,09:04:48,0.006  
11/24/2014,09:19:48,0.005  
11/24/2014,09:34:48,0.005  
11/24/2014,09:49:48,0.004  
11/24/2014,10:04:48,0.004  
11/24/2014,10:19:48,0.005  
11/24/2014,10:34:48,0.007  
11/24/2014,10:49:48,0.008  
11/24/2014,11:04:48,0.009  
11/24/2014,11:19:48,0.010  
11/24/2014,11:34:48,0.011  
11/24/2014,11:49:48,0.013  
11/24/2014,12:04:48,0.012  
11/24/2014,12:19:48,0.011  
11/24/2014,12:34:48,0.011  
11/24/2014,12:49:48,0.011  
11/24/2014,13:04:48,0.011  
11/24/2014,13:19:48,0.010  
11/24/2014,13:34:48,0.011  
11/24/2014,13:49:48,0.012  
11/24/2014,14:04:48,0.012  
11/24/2014,14:19:48,0.011  
11/24/2014,14:34:48,0.008  
11/24/2014,14:49:48,0.005  
11/24/2014,15:04:48,0.005  
11/24/2014,15:19:48,0.007  
11/24/2014,15:34:48,0.006  
11/24/2014,15:49:48,0.006

11-24-14 Downwind-2 VOC

14/11/24 08:08

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-913116  
 Unit Firmware Ver V1.20A  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 11/24/2014 08:08:39  
 End 11/24/2014 16:06:05  
 Sample Period(s) 900  
 Number of Records 31  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 5.000  
 Measurement Gas Isobutylene  
 Calibration Time 11/24/2014 07:39  
 Peak 0.135  
 Min 0.026  
 Average 0.102

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	11/24/2014 08:23:39	0.018	0.091	0.026	
002	11/24/2014 08:38:39	0.040	0.070	0.041	
003	11/24/2014 08:53:39	0.048	0.055	0.052	
004	11/24/2014 09:08:39	0.059	0.068	0.062	
005	11/24/2014 09:23:39	0.067	0.076	0.073	
006	11/24/2014 09:38:39	0.075	0.083	0.078	
007	11/24/2014 09:53:39	0.080	0.087	0.087	
008	11/24/2014 10:08:39	0.088	0.096	0.093	
009	11/24/2014 10:23:39	0.094	0.101	0.098	
010	11/24/2014 10:38:39	0.097	0.106	0.098	
011	11/24/2014 10:53:39	0.102	0.109	0.109	
012	11/24/2014 11:08:39	0.108	0.121	0.110	
013	11/24/2014 11:23:39	0.113	0.120	0.117	
014	11/24/2014 11:38:39	0.119	0.124	0.122	
015	11/24/2014 11:53:39	0.120	0.134	0.118	
016	11/24/2014 12:08:39	0.121	0.131	0.125	
017	11/24/2014 12:23:39	0.126	0.132	0.129	
018	11/24/2014 12:38:39	0.128	0.136	0.131	
019	11/24/2014 12:53:39	0.132	0.138	0.135	
020	11/24/2014 13:08:39	0.134	0.140	0.134	
021	11/24/2014 13:23:39	0.130	0.137	0.127	
022	11/24/2014 13:38:39	0.129	0.140	0.128	
023	11/24/2014 13:53:39	0.125	0.135	0.125	
024	11/24/2014 14:08:39	0.126	0.141	0.122	
025	11/24/2014 14:23:39	0.114	0.129	0.106	

11-24-14 Downwind-2 VOC

026	11/24/2014	14:38:39	0.102	0.109	0.098
027	11/24/2014	14:53:39	0.094	0.106	0.094
028	11/24/2014	15:08:39	0.089	0.099	0.087
029	11/24/2014	15:23:39	0.092	0.103	0.095
030	11/24/2014	15:38:39	0.105	0.219	0.106
031	11/24/2014	15:53:39	0.106	0.124	0.122
Peak		0.134	0.219	0.135	
Min		0.018	0.055	0.026	
Average		0.099	0.115	0.102	

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	11/24/2014 08:23:39	0.001	0.026
002	11/24/2014 08:38:39	0.002	0.041
003	11/24/2014 08:53:39	0.004	0.052
004	11/24/2014 09:08:39	0.006	0.062
005	11/24/2014 09:23:39	0.008	0.073
006	11/24/2014 09:38:39	0.010	0.078
007	11/24/2014 09:53:39	0.013	0.087
008	11/24/2014 10:08:39	0.016	0.093
009	11/24/2014 10:23:39	0.019	0.098
010	11/24/2014 10:38:39	0.022	0.098
011	11/24/2014 10:53:39	0.026	0.109
012	11/24/2014 11:08:39	0.029	0.110
013	11/24/2014 11:23:39	0.033	0.117
014	11/24/2014 11:38:39	0.036	0.122
015	11/24/2014 11:53:39	0.040	0.118
016	11/24/2014 12:08:39	0.044	0.125
017	11/24/2014 12:23:39	0.048	0.129
018	11/24/2014 12:38:39	0.052	0.131
019	11/24/2014 12:53:39	0.056	0.135
020	11/24/2014 13:08:39	0.061	0.134
021	11/24/2014 13:23:39	0.065	0.127
022	11/24/2014 13:38:39	0.069	0.128
023	11/24/2014 13:53:39	0.072	0.125
024	11/24/2014 14:08:39	0.076	0.122
025	11/24/2014 14:23:39	0.080	0.106
026	11/24/2014 14:38:39	0.083	0.098
027	11/24/2014 14:53:39	0.086	0.094
028	11/24/2014 15:08:39	0.088	0.087
029	11/24/2014 15:23:39	0.091	0.095
030	11/24/2014 15:38:39	0.095	0.106
031	11/24/2014 15:53:39	0.098	0.122

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,11/24/2014  
Start Time:,07:59:26  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.009  
,Minimum:,0.003  
,Time of Minimum:,08:14:26  
,Date of Minimum:,11/24/2014  
,Maximum:,0.014  
,Time of Maximum:,11:29:26  
,Date of Maximum:,11/24/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/24/2014,08:14:26,0.003  
11/24/2014,08:29:26,0.004  
11/24/2014,08:44:26,0.005  
11/24/2014,08:59:26,0.006  
11/24/2014,09:14:26,0.005  
11/24/2014,09:29:26,0.005  
11/24/2014,09:44:26,0.005  
11/24/2014,09:59:26,0.004  
11/24/2014,10:14:26,0.005  
11/24/2014,10:29:26,0.006  
11/24/2014,10:44:26,0.008  
11/24/2014,10:59:26,0.010  
11/24/2014,11:14:26,0.011  
11/24/2014,11:29:26,0.014  
11/24/2014,11:44:26,0.013  
11/24/2014,11:59:26,0.014  
11/24/2014,12:14:26,0.013  
11/24/2014,12:29:26,0.013  
11/24/2014,12:44:26,0.013  
11/24/2014,12:59:26,0.012  
11/24/2014,13:14:26,0.012  
11/24/2014,13:29:26,0.012  
11/24/2014,13:44:26,0.013  
11/24/2014,13:59:26,0.013  
11/24/2014,14:14:26,0.014  
11/24/2014,14:29:26,0.011  
11/24/2014,14:44:26,0.007  
11/24/2014,14:59:26,0.005  
11/24/2014,15:14:26,0.006  
11/24/2014,15:29:26,0.006  
11/24/2014,15:44:26,0.006

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,11/24/2014

11-24-14 Upwind Dust

Start Time:,11:27:15  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.015  
,Minimum:,0.012  
,Time of Minimum:,11:29:15  
,Date of Minimum:,11/24/2014  
,Maximum:,0.042  
,Time of Maximum:,11:28:15  
,Date of Maximum:,11/24/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/24/2014,11:28:15,0.042  
11/24/2014,11:29:15,0.012  
11/24/2014,11:30:15,0.013  
11/24/2014,11:31:15,0.013  
11/24/2014,11:32:15,0.013  
11/24/2014,11:33:15,0.013  
11/24/2014,11:34:15,0.013  
11/24/2014,11:35:15,0.013  
11/24/2014,11:36:15,0.013  
11/24/2014,11:37:15,0.013  
11/24/2014,11:38:15,0.013  
11/24/2014,11:39:15,0.014  
11/24/2014,11:40:15,0.014  
11/24/2014,11:41:15,0.014  
11/24/2014,11:42:15,0.014

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,11/25/2014  
Start Time:,08:19:59  
Duration (dd:hh:mm:ss):,0:07:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,28  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.027  
,Minimum:,0.019  
,Time of Minimum:,09:19:59  
,Date of Minimum:,11/25/2014  
,Maximum:,0.035  
,Time of Maximum:,15:04:59  
,Date of Maximum:,11/25/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/25/2014,08:34:59,0.022  
11/25/2014,08:49:59,0.022  
11/25/2014,09:04:59,0.021  
11/25/2014,09:19:59,0.019  
11/25/2014,09:34:59,0.020  
11/25/2014,09:49:59,0.019  
11/25/2014,10:04:59,0.023  
11/25/2014,10:19:59,0.025  
11/25/2014,10:34:59,0.022  
11/25/2014,10:49:59,0.025  
11/25/2014,11:04:59,0.029  
11/25/2014,11:19:59,0.032  
11/25/2014,11:34:59,0.031  
11/25/2014,11:49:59,0.032  
11/25/2014,12:04:59,0.032  
11/25/2014,12:19:59,0.028  
11/25/2014,12:34:59,0.024  
11/25/2014,12:49:59,0.024  
11/25/2014,13:04:59,0.024  
11/25/2014,13:19:59,0.025  
11/25/2014,13:34:59,0.027  
11/25/2014,13:49:59,0.027  
11/25/2014,14:04:59,0.030  
11/25/2014,14:19:59,0.032  
11/25/2014,14:34:59,0.034  
11/25/2014,14:49:59,0.033  
11/25/2014,15:04:59,0.035  
11/25/2014,15:19:59,0.035

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_A  
Start Date:,11/25/2014  
Start Time:,08:20:00  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00

11-25-14 Downwind-1 Dust

Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.022  
,Minimum:,0.020  
,Time of Minimum:,08:27:00  
,Date of Minimum:,11/25/2014  
,Maximum:,0.048  
,Time of Maximum:,08:21:00  
,Date of Maximum:,11/25/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
11/25/2014,08:21:00,0.048  
11/25/2014,08:22:00,0.022  
11/25/2014,08:23:00,0.021  
11/25/2014,08:24:00,0.021  
11/25/2014,08:25:00,0.021  
11/25/2014,08:26:00,0.021  
11/25/2014,08:27:00,0.020  
11/25/2014,08:28:00,0.020  
11/25/2014,08:29:00,0.020  
11/25/2014,08:30:00,0.021  
11/25/2014,08:31:00,0.020  
11/25/2014,08:32:00,0.020  
11/25/2014,08:33:00,0.020  
11/25/2014,08:34:00,0.020  
11/25/2014,08:35:00,0.020

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_B  
Start Date:,11/25/2014  
Start Time:,15:04:26  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.037  
,Minimum:,0.033  
,Time of Minimum:,15:08:26  
,Date of Minimum:,11/25/2014  
,Maximum:,0.072  
,Time of Maximum:,15:05:26  
,Date of Maximum:,11/25/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
11/25/2014,15:05:26,0.072  
11/25/2014,15:06:26,0.034  
11/25/2014,15:07:26,0.034  
11/25/2014,15:08:26,0.033  
11/25/2014,15:09:26,0.034  
11/25/2014,15:10:26,0.034



11-25-14 Downwind-1 Dust

11/25/2014,15:11:26,0.034  
11/25/2014,15:12:26,0.034  
11/25/2014,15:13:26,0.035  
11/25/2014,15:14:26,0.034  
11/25/2014,15:15:26,0.036  
11/25/2014,15:16:26,0.036  
11/25/2014,15:17:26,0.034  
11/25/2014,15:18:26,0.043  
11/25/2014,15:19:26,0.034

11-25-14 Downwind-1 VOC

14/11/25 08:21

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907926  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 11/25/2014 08:21:19  
 End 11/25/2014 15:34:19  
 Sample Period(s) 900  
 Number of Records 28  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 11/25/2014 08:08  
 Peak 0.057  
 Min 0.000  
 Average 0.033  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	11/25/2014 08:36:19	0.004	0.093	0.000	0.000
002	11/25/2014 08:51:19	0.001	0.079	0.000	0.000
003	11/25/2014 09:06:19	0.000	0.013	0.000	0.000
004	11/25/2014 09:21:19	0.000	0.013	0.000	0.000
005	11/25/2014 09:36:19	0.002	0.015	0.005	0.005
006	11/25/2014 09:51:19	0.011	0.024	0.019	0.019
007	11/25/2014 10:06:19	0.016	0.028	0.017	0.017
008	11/25/2014 10:21:19	0.020	0.028	0.022	0.022
009	11/25/2014 10:36:19	0.024	0.035	0.022	0.022
010	11/25/2014 10:51:19	0.028	0.040	0.028	0.028
011	11/25/2014 11:06:19	0.029	0.042	0.033	0.033
012	11/25/2014 11:21:19	0.031	0.052	0.033	0.033
013	11/25/2014 11:36:19	0.032	0.042	0.032	0.032
014	11/25/2014 11:51:19	0.035	0.055	0.038	0.038
015	11/25/2014 12:06:19	0.038	0.066	0.040	0.040
016	11/25/2014 12:21:19	0.039	0.051	0.038	0.038
017	11/25/2014 12:36:19	0.038	0.047	0.036	0.036
018	11/25/2014 12:51:19	0.039	0.053	0.042	0.042
019	11/25/2014 13:06:19	0.043	0.062	0.046	0.046
020	11/25/2014 13:21:19	0.045	0.074	0.042	0.042
021	11/25/2014 13:36:19	0.048	0.073	0.046	0.046
022	11/25/2014 13:51:19	0.049	0.061	0.051	0.051
023	11/25/2014 14:06:19	0.055	0.121	0.055	0.055
024	11/25/2014 14:21:19	0.051	0.064	0.049	0.049
025	11/25/2014 14:36:19	0.052	0.072	0.056	0.056

11-25-14 Downwind-1 VOC					
026	11/25/2014	14:51:19	0.053	0.063	0.053
027	11/25/2014	15:06:19	0.053	0.064	0.052
028	11/25/2014	15:21:19	0.054	0.059	0.057
Peak		0.055 0.121	0.057		
Min		0.000 0.013	0.000		
Average		0.032 0.053	0.033		

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	11/25/2014 08:36:19	0.000	0.000
002	11/25/2014 08:51:19	0.000	0.000
003	11/25/2014 09:06:19	0.000	0.000
004	11/25/2014 09:21:19	0.000	0.000
005	11/25/2014 09:36:19	0.000	0.005
006	11/25/2014 09:51:19	0.001	0.019
007	11/25/2014 10:06:19	0.001	0.017
008	11/25/2014 10:21:19	0.002	0.022
009	11/25/2014 10:36:19	0.003	0.022
010	11/25/2014 10:51:19	0.004	0.028
011	11/25/2014 11:06:19	0.005	0.033
012	11/25/2014 11:21:19	0.006	0.033
013	11/25/2014 11:36:19	0.007	0.032
014	11/25/2014 11:51:19	0.008	0.038
015	11/25/2014 12:06:19	0.009	0.040
016	11/25/2014 12:21:19	0.010	0.038
017	11/25/2014 12:36:19	0.011	0.036
018	11/25/2014 12:51:19	0.013	0.042
019	11/25/2014 13:06:19	0.014	0.046
020	11/25/2014 13:21:19	0.015	0.042
021	11/25/2014 13:36:19	0.017	0.046
022	11/25/2014 13:51:19	0.018	0.051
023	11/25/2014 14:06:19	0.020	0.055
024	11/25/2014 14:21:19	0.022	0.049
025	11/25/2014 14:36:19	0.023	0.056
026	11/25/2014 14:51:19	0.025	0.053
027	11/25/2014 15:06:19	0.027	0.052
028	11/25/2014 15:21:19	0.029	0.057

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,11/25/2014  
Start Time:,08:12:11  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.028  
,Minimum:,0.022  
,Time of Minimum:,09:12:11  
,Date of Minimum:,11/25/2014  
,Maximum:,0.042  
,Time of Maximum:,15:12:11  
,Date of Maximum:,11/25/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL

MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/25/2014,08:27:11,0.026  
11/25/2014,08:42:11,0.027  
11/25/2014,08:57:11,0.025  
11/25/2014,09:12:11,0.022  
11/25/2014,09:27:11,0.024  
11/25/2014,09:42:11,0.026  
11/25/2014,09:57:11,0.034  
11/25/2014,10:12:11,0.031  
11/25/2014,10:27:11,0.022  
11/25/2014,10:42:11,0.023  
11/25/2014,10:57:11,0.028  
11/25/2014,11:12:11,0.029  
11/25/2014,11:27:11,0.028  
11/25/2014,11:42:11,0.030  
11/25/2014,11:57:11,0.030  
11/25/2014,12:12:11,0.029  
11/25/2014,12:27:11,0.023  
11/25/2014,12:42:11,0.023  
11/25/2014,12:57:11,0.022  
11/25/2014,13:12:11,0.023  
11/25/2014,13:27:11,0.025  
11/25/2014,13:42:11,0.025  
11/25/2014,13:57:11,0.027  
11/25/2014,14:12:11,0.029  
11/25/2014,14:27:11,0.031  
11/25/2014,14:42:11,0.031  
11/25/2014,14:57:11,0.030  
11/25/2014,15:12:11,0.042  
11/25/2014,15:27:11,0.033

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_A  
Start Date:,11/25/2014  
Start Time:,09:58:12  
Duration (dd:hh:mm:ss):,0:00:15:00

11-25-14 Downwind-2 Dust

Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.029  
,Minimum:,0.023  
,Time of Minimum:,10:07:12  
,Date of Minimum:,11/25/2014  
,Maximum:,0.055  
,Time of Maximum:,10:00:12  
,Date of Maximum:,11/25/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/25/2014,09:59:12,0.053  
11/25/2014,10:00:12,0.055  
11/25/2014,10:01:12,0.032  
11/25/2014,10:02:12,0.033  
11/25/2014,10:03:12,0.028  
11/25/2014,10:04:12,0.024  
11/25/2014,10:05:12,0.026  
11/25/2014,10:06:12,0.024  
11/25/2014,10:07:12,0.023  
11/25/2014,10:08:12,0.024  
11/25/2014,10:09:12,0.023  
11/25/2014,10:10:12,0.023  
11/25/2014,10:11:12,0.024  
11/25/2014,10:12:12,0.023  
11/25/2014,10:13:12,0.023

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_B  
Start Date:,11/25/2014  
Start Time:,15:03:06  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.045  
,Minimum:,0.031  
,Time of Minimum:,15:05:06  
,Date of Minimum:,11/25/2014  
,Maximum:,0.131  
,Time of Maximum:,15:11:06  
,Date of Maximum:,11/25/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/25/2014,15:04:06,0.052  
11/25/2014,15:05:06,0.031  
11/25/2014,15:06:06,0.031  
11/25/2014,15:07:06,0.032  
11/25/2014,15:08:06,0.032

11-25-14 Downwind-2 Dust

11/25/2014,15:09:06,0.032  
11/25/2014,15:10:06,0.032  
11/25/2014,15:11:06,0.131  
11/25/2014,15:12:06,0.071  
11/25/2014,15:13:06,0.034  
11/25/2014,15:14:06,0.045  
11/25/2014,15:15:06,0.054  
11/25/2014,15:16:06,0.032  
11/25/2014,15:17:06,0.031  
11/25/2014,15:18:06,0.031

11-25-14 Downwind-2 VOC

14/11/25 08:17

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-913116  
 Unit Firmware Ver V1.20A  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 11/25/2014 08:17:06  
 End 11/25/2014 15:41:40  
 Sample Period(s) 900  
 Number of Records 29  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 5.000  
 Measurement Gas Isobutylene  
 Calibration Time 11/25/2014 08:11  
 Peak 0.039  
 Min 0.000  
 Average 0.003  
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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	11/25/2014 08:32:06	0.025	0.352	0.000	0.000
002	11/25/2014 08:47:06	0.000	0.030	0.000	0.000
003	11/25/2014 09:02:06	0.000	0.000	0.000	0.000
004	11/25/2014 09:17:06	0.000	0.000	0.000	0.000
005	11/25/2014 09:32:06	0.000	0.000	0.000	0.000
006	11/25/2014 09:47:06	0.000	0.089	0.000	0.000
007	11/25/2014 10:02:06	0.000	0.025	0.000	0.000
008	11/25/2014 10:17:06	0.000	0.006	0.000	0.000
009	11/25/2014 10:32:06	0.000	0.000	0.000	0.000
010	11/25/2014 10:47:06	0.000	0.000	0.000	0.000
011	11/25/2014 11:02:06	0.000	0.000	0.000	0.000
012	11/25/2014 11:17:06	0.000	0.000	0.000	0.000
013	11/25/2014 11:32:06	0.000	0.000	0.000	0.000
014	11/25/2014 11:47:06	0.000	0.000	0.000	0.000
015	11/25/2014 12:02:06	0.000	0.000	0.000	0.000
016	11/25/2014 12:17:06	0.000	0.000	0.000	0.000
017	11/25/2014 12:32:06	0.000	0.000	0.000	0.000
018	11/25/2014 12:47:06	0.000	0.000	0.000	0.000
019	11/25/2014 13:02:06	0.000	0.000	0.000	0.000
020	11/25/2014 13:17:06	0.000	0.000	0.000	0.000
021	11/25/2014 13:32:06	0.000	0.007	0.003	0.003
022	11/25/2014 13:47:06	0.000	0.007	0.000	0.000
023	11/25/2014 14:02:06	0.003	0.079	0.000	0.000
024	11/25/2014 14:17:06	0.002	0.018	0.002	0.002
025	11/25/2014 14:32:06	0.005	0.020	0.002	0.002

11-25-14 Downwind-2 VOC

026	11/25/2014	14:47:06	0.007	0.023	0.000
027	11/25/2014	15:02:06	0.013	0.072	0.017
028	11/25/2014	15:17:06	0.017	0.049	0.022
029	11/25/2014	15:32:06	0.022	0.077	0.039
Peak		0.025	0.352	0.039	
Min		0.000	0.000	0.000	
Average		0.003	0.029	0.003	

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	11/25/2014 08:32:06	0.000	0.000
002	11/25/2014 08:47:06	0.000	0.000
003	11/25/2014 09:02:06	0.000	0.000
004	11/25/2014 09:17:06	0.000	0.000
005	11/25/2014 09:32:06	0.000	0.000
006	11/25/2014 09:47:06	0.000	0.000
007	11/25/2014 10:02:06	0.000	0.000
008	11/25/2014 10:17:06	0.000	0.000
009	11/25/2014 10:32:06	0.000	0.000
010	11/25/2014 10:47:06	0.000	0.000
011	11/25/2014 11:02:06	0.000	0.000
012	11/25/2014 11:17:06	0.000	0.000
013	11/25/2014 11:32:06	0.000	0.000
014	11/25/2014 11:47:06	0.000	0.000
015	11/25/2014 12:02:06	0.000	0.000
016	11/25/2014 12:17:06	0.000	0.000
017	11/25/2014 12:32:06	0.000	0.000
018	11/25/2014 12:47:06	0.000	0.000
019	11/25/2014 13:02:06	0.000	0.000
020	11/25/2014 13:17:06	0.000	0.000
021	11/25/2014 13:32:06	0.000	0.003
022	11/25/2014 13:47:06	0.000	0.000
023	11/25/2014 14:02:06	0.000	0.000
024	11/25/2014 14:17:06	0.000	0.002
025	11/25/2014 14:32:06	0.000	0.002
026	11/25/2014 14:47:06	0.000	0.000
027	11/25/2014 15:02:06	0.001	0.017
028	11/25/2014 15:17:06	0.001	0.022
029	11/25/2014 15:32:06	0.003	0.039



TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,11/25/2014  
Start Time:,08:21:51  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.026  
,Minimum:,0.019  
,Time of Minimum:,09:06:51  
,Date of Minimum:,11/25/2014  
,Maximum:,0.033  
,Time of Maximum:,15:21:51  
,Date of Maximum:,11/25/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/25/2014,08:36:51,0.021  
11/25/2014,08:51:51,0.020  
11/25/2014,09:06:51,0.019  
11/25/2014,09:21:51,0.019  
11/25/2014,09:36:51,0.020  
11/25/2014,09:51:51,0.020  
11/25/2014,10:06:51,0.022  
11/25/2014,10:21:51,0.021  
11/25/2014,10:36:51,0.022  
11/25/2014,10:51:51,0.026  
11/25/2014,11:06:51,0.028  
11/25/2014,11:21:51,0.029  
11/25/2014,11:36:51,0.029  
11/25/2014,11:51:51,0.031  
11/25/2014,12:06:51,0.029  
11/25/2014,12:21:51,0.025  
11/25/2014,12:36:51,0.022  
11/25/2014,12:51:51,0.022  
11/25/2014,13:06:51,0.022  
11/25/2014,13:21:51,0.024  
11/25/2014,13:36:51,0.025  
11/25/2014,13:51:51,0.027  
11/25/2014,14:06:51,0.029  
11/25/2014,14:21:51,0.031  
11/25/2014,14:36:51,0.032  
11/25/2014,14:51:51,0.032  
11/25/2014,15:06:51,0.032  
11/25/2014,15:21:51,0.033  
11/25/2014,15:36:51,0.031

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_A  
Start Date:,11/25/2014  
Start Time:,08:30:27  
Duration (dd:hh:mm:ss):,0:00:15:00

11-25-14 Upwind Dust

Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.021  
,Minimum:,0.020  
,Time of Minimum:,08:32:27  
,Date of Minimum:,11/25/2014  
,Maximum:,0.033  
,Time of Maximum:,08:31:27  
,Date of Maximum:,11/25/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
11/25/2014,08:31:27,0.033  
11/25/2014,08:32:27,0.020  
11/25/2014,08:33:27,0.020  
11/25/2014,08:34:27,0.020  
11/25/2014,08:35:27,0.020  
11/25/2014,08:36:27,0.020  
11/25/2014,08:37:27,0.020  
11/25/2014,08:38:27,0.020  
11/25/2014,08:39:27,0.020  
11/25/2014,08:40:27,0.020  
11/25/2014,08:41:27,0.020  
11/25/2014,08:42:27,0.020  
11/25/2014,08:43:27,0.020  
11/25/2014,08:44:27,0.020  
11/25/2014,08:45:27,0.020

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,12/10/2014  
Start Time:,08:23:22  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.029  
,Minimum:,0.024  
,Time of Minimum:,09:53:22  
,Date of Minimum:,12/10/2014  
,Maximum:,0.036  
,Time of Maximum:,14:53:22  
,Date of Maximum:,12/10/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL

MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/10/2014,08:38:22,0.025  
12/10/2014,08:53:22,0.028  
12/10/2014,09:08:22,0.027  
12/10/2014,09:23:22,0.026  
12/10/2014,09:38:22,0.025  
12/10/2014,09:53:22,0.024  
12/10/2014,10:08:22,0.028  
12/10/2014,10:23:22,0.029  
12/10/2014,10:38:22,0.026  
12/10/2014,10:53:22,0.027  
12/10/2014,11:08:22,0.029  
12/10/2014,11:23:22,0.028  
12/10/2014,11:38:22,0.027  
12/10/2014,11:53:22,0.027  
12/10/2014,12:08:22,0.029  
12/10/2014,12:23:22,0.025  
12/10/2014,12:38:22,0.028  
12/10/2014,12:53:22,0.026  
12/10/2014,13:08:22,0.031  
12/10/2014,13:23:22,0.029  
12/10/2014,13:38:22,0.030  
12/10/2014,13:53:22,0.030  
12/10/2014,14:08:22,0.031  
12/10/2014,14:23:22,0.029  
12/10/2014,14:38:22,0.032  
12/10/2014,14:53:22,0.036  
12/10/2014,15:08:22,0.036  
12/10/2014,15:23:22,0.036  
12/10/2014,15:38:22,0.036

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_A  
Start Date:,12/10/2014  
Start Time:,08:23:30  
Duration (dd:hh:mm:ss):,0:00:15:00

12-10-14 Downwind-1 Dust

Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.024  
,Minimum:,0.020  
,Time of Minimum:,08:35:30  
,Date of Minimum:,12/10/2014  
,Maximum:,0.036  
,Time of Maximum:,08:36:30  
,Date of Maximum:,12/10/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/10/2014,08:24:30,0.025  
12/10/2014,08:25:30,0.027  
12/10/2014,08:26:30,0.021  
12/10/2014,08:27:30,0.021  
12/10/2014,08:28:30,0.021  
12/10/2014,08:29:30,0.031  
12/10/2014,08:30:30,0.021  
12/10/2014,08:31:30,0.021  
12/10/2014,08:32:30,0.021  
12/10/2014,08:33:30,0.021  
12/10/2014,08:34:30,0.021  
12/10/2014,08:35:30,0.020  
12/10/2014,08:36:30,0.036  
12/10/2014,08:37:30,0.029  
12/10/2014,08:38:30,0.030

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_B  
Start Date:,12/10/2014  
Start Time:,08:42:44  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.028  
,Minimum:,0.021  
,Time of Minimum:,08:49:44  
,Date of Minimum:,12/10/2014  
,Maximum:,0.048  
,Time of Maximum:,08:43:44  
,Date of Maximum:,12/10/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/10/2014,08:43:44,0.048  
12/10/2014,08:44:44,0.029  
12/10/2014,08:45:44,0.024  
12/10/2014,08:46:44,0.023  
12/10/2014,08:47:44,0.029

12-10-14 Downwind-1 Dust

12/10/2014,08:48:44,0.022  
12/10/2014,08:49:44,0.021  
12/10/2014,08:50:44,0.024  
12/10/2014,08:51:44,0.031  
12/10/2014,08:52:44,0.022  
12/10/2014,08:53:44,0.021  
12/10/2014,08:54:44,0.043  
12/10/2014,08:55:44,0.029  
12/10/2014,08:56:44,0.035  
12/10/2014,08:57:44,0.026

14/12/10 08:27

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907926  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 12/10/2014 08:27:15  
 End 12/10/2014 15:43:39  
 Sample Period(s) 900  
 Number of Records 29  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 12/10/2014 07:45  
 Peak 0.243  
 Min 0.066  
 Average 0.149  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	12/10/2014 08:42:15	0.056	0.080	0.066	0.066
002	12/10/2014 08:57:15	0.082	0.100	0.086	0.086
003	12/10/2014 09:12:15	0.093	0.115	0.104	0.104
004	12/10/2014 09:27:15	0.104	0.117	0.111	0.111
005	12/10/2014 09:42:15	0.112	0.125	0.115	0.115
006	12/10/2014 09:57:15	0.120	0.132	0.123	0.123
007	12/10/2014 10:12:15	0.188	0.471	0.165	0.165
008	12/10/2014 10:27:15	0.144	0.195	0.132	0.132
009	12/10/2014 10:42:15	0.137	0.160	0.138	0.138
010	12/10/2014 10:57:15	0.140	0.155	0.137	0.137
011	12/10/2014 11:12:15	0.170	0.284	0.167	0.167
012	12/10/2014 11:27:15	0.169	0.216	0.189	0.189
013	12/10/2014 11:42:15	0.166	0.219	0.155	0.155
014	12/10/2014 11:57:15	0.186	0.349	0.243	0.243
015	12/10/2014 12:12:15	0.207	0.337	0.169	0.169
016	12/10/2014 12:27:15	0.162	0.188	0.154	0.154
017	12/10/2014 12:42:15	0.162	0.196	0.158	0.158
018	12/10/2014 12:57:15	0.158	0.188	0.155	0.155
019	12/10/2014 13:12:15	0.156	0.175	0.160	0.160
020	12/10/2014 13:27:15	0.166	0.215	0.158	0.158
021	12/10/2014 13:42:15	0.172	0.243	0.164	0.164
022	12/10/2014 13:57:15	0.163	0.210	0.164	0.164
023	12/10/2014 14:12:15	0.162	0.180	0.159	0.159
024	12/10/2014 14:27:15	0.159	0.171	0.160	0.160
025	12/10/2014 14:42:15	0.160	0.200	0.159	0.159

12-10-14 Downwind-1 VOC.prs

026	12/10/2014	14:57:15	0.158	0.165	0.158
027	12/10/2014	15:12:15	0.158	0.165	0.163
028	12/10/2014	15:27:15	0.158	0.203	0.158
029	12/10/2014	15:42:15	0.161	0.234	0.158
Peak		0.207	0.471	0.243	
Min		0.056	0.080	0.066	
Average		0.149	0.200	0.149	

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	12/10/2014 08:42:15	0.002	0.066
002	12/10/2014 08:57:15	0.005	0.086
003	12/10/2014 09:12:15	0.008	0.104
004	12/10/2014 09:27:15	0.011	0.111
005	12/10/2014 09:42:15	0.015	0.115
006	12/10/2014 09:57:15	0.019	0.123
007	12/10/2014 10:12:15	0.024	0.165
008	12/10/2014 10:27:15	0.028	0.132
009	12/10/2014 10:42:15	0.033	0.138
010	12/10/2014 10:57:15	0.037	0.137
011	12/10/2014 11:12:15	0.042	0.167
012	12/10/2014 11:27:15	0.048	0.189
013	12/10/2014 11:42:15	0.053	0.155
014	12/10/2014 11:57:15	0.060	0.243
015	12/10/2014 12:12:15	0.066	0.169
016	12/10/2014 12:27:15	0.070	0.154
017	12/10/2014 12:42:15	0.075	0.158
018	12/10/2014 12:57:15	0.080	0.155
019	12/10/2014 13:12:15	0.085	0.160
020	12/10/2014 13:27:15	0.090	0.158
021	12/10/2014 13:42:15	0.095	0.164
022	12/10/2014 13:57:15	0.100	0.164
023	12/10/2014 14:12:15	0.105	0.159
024	12/10/2014 14:27:15	0.110	0.160
025	12/10/2014 14:42:15	0.115	0.159
026	12/10/2014 14:57:15	0.120	0.158
027	12/10/2014 15:12:15	0.125	0.163
028	12/10/2014 15:27:15	0.130	0.158
029	12/10/2014 15:42:15	0.135	0.158

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,12/10/2014  
Start Time:,08:23:19  
Duration (dd:hh:mm:ss):,0:07:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,28  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.022  
,Minimum:,0.018  
,Time of Minimum:,08:38:19  
,Date of Minimum:,12/10/2014  
,Maximum:,0.030  
,Time of Maximum:,14:53:19  
,Date of Maximum:,12/10/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/10/2014,08:38:19,0.018  
12/10/2014,08:53:19,0.019  
12/10/2014,09:08:19,0.019  
12/10/2014,09:23:19,0.021  
12/10/2014,09:38:19,0.020  
12/10/2014,09:53:19,0.020  
12/10/2014,10:08:19,0.021  
12/10/2014,10:23:19,0.021  
12/10/2014,10:38:19,0.021  
12/10/2014,10:53:19,0.020  
12/10/2014,11:08:19,0.020  
12/10/2014,11:23:19,0.022  
12/10/2014,11:38:19,0.020  
12/10/2014,11:53:19,0.020  
12/10/2014,12:08:19,0.021  
12/10/2014,12:23:19,0.020  
12/10/2014,12:38:19,0.021  
12/10/2014,12:53:19,0.021  
12/10/2014,13:08:19,0.022  
12/10/2014,13:23:19,0.023  
12/10/2014,13:38:19,0.024  
12/10/2014,13:53:19,0.023  
12/10/2014,14:08:19,0.024  
12/10/2014,14:23:19,0.024  
12/10/2014,14:38:19,0.026  
12/10/2014,14:53:19,0.030  
12/10/2014,15:08:19,0.030  
12/10/2014,15:23:19,0.029



14/12/10 08:31

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-913116  
 Unit Firmware Ver V1.20A  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 12/10/2014 08:31:27  
 End 12/10/2014 15:42:05  
 Sample Period(s) 900  
 Number of Records 28  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 5.000  
 Measurement Gas Isobutylene  
 Calibration Time 12/10/2014 07:48  
 Peak 0.193  
 Min 0.059  
 Average 0.167  
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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	12/10/2014 08:46:27	0.044	0.082	0.059	
002	12/10/2014 09:01:27	0.071	0.083	0.081	
003	12/10/2014 09:16:27	0.096	0.127	0.115	
004	12/10/2014 09:31:27	0.122	0.142	0.124	
005	12/10/2014 09:46:27	0.141	0.168	0.150	
006	12/10/2014 10:01:27	0.166	0.219	0.167	
007	12/10/2014 10:16:27	0.171	0.240	0.176	
008	12/10/2014 10:31:27	0.168	0.206	0.169	
009	12/10/2014 10:46:27	0.171	0.196	0.173	
010	12/10/2014 11:01:27	0.176	0.188	0.176	
011	12/10/2014 11:16:27	0.176	0.189	0.182	
012	12/10/2014 11:31:27	0.179	0.206	0.175	
013	12/10/2014 11:46:27	0.183	0.340	0.185	
014	12/10/2014 12:01:27	0.187	0.362	0.193	
015	12/10/2014 12:16:27	0.176	0.214	0.178	
016	12/10/2014 12:31:27	0.177	0.180	0.179	
017	12/10/2014 12:46:27	0.179	0.184	0.178	
018	12/10/2014 13:01:27	0.179	0.185	0.180	
019	12/10/2014 13:16:27	0.180	0.184	0.182	
020	12/10/2014 13:31:27	0.188	0.254	0.184	
021	12/10/2014 13:46:27	0.183	0.186	0.181	
022	12/10/2014 14:01:27	0.184	0.209	0.187	
023	12/10/2014 14:16:27	0.185	0.189	0.188	
024	12/10/2014 14:31:27	0.186	0.189	0.186	
025	12/10/2014 14:46:27	0.186	0.190	0.188	

12-10-14 Downwind-2 VOC.prs

026	12/10/2014	15:01:27	0.186	0.191	0.183
027	12/10/2014	15:16:27	0.182	0.185	0.184
028	12/10/2014	15:31:27	0.183	0.188	0.183
Peak		0.188	0.362	0.193	
Min		0.044	0.082	0.059	
Average		0.164	0.196	0.167	

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	12/10/2014 08:46:27	0.002	0.059
002	12/10/2014 09:01:27	0.004	0.081
003	12/10/2014 09:16:27	0.008	0.115
004	12/10/2014 09:31:27	0.012	0.124
005	12/10/2014 09:46:27	0.017	0.150
006	12/10/2014 10:01:27	0.022	0.167
007	12/10/2014 10:16:27	0.027	0.176
008	12/10/2014 10:31:27	0.033	0.169
009	12/10/2014 10:46:27	0.038	0.173
010	12/10/2014 11:01:27	0.043	0.176
011	12/10/2014 11:16:27	0.049	0.182
012	12/10/2014 11:31:27	0.055	0.175
013	12/10/2014 11:46:27	0.060	0.185
014	12/10/2014 12:01:27	0.066	0.193
015	12/10/2014 12:16:27	0.072	0.178
016	12/10/2014 12:31:27	0.078	0.179
017	12/10/2014 12:46:27	0.083	0.178
018	12/10/2014 13:01:27	0.089	0.180
019	12/10/2014 13:16:27	0.094	0.182
020	12/10/2014 13:31:27	0.100	0.184
021	12/10/2014 13:46:27	0.106	0.181
022	12/10/2014 14:01:27	0.112	0.187
023	12/10/2014 14:16:27	0.118	0.188
024	12/10/2014 14:31:27	0.123	0.186
025	12/10/2014 14:46:27	0.129	0.188
026	12/10/2014 15:01:27	0.135	0.183
027	12/10/2014 15:16:27	0.141	0.184
028	12/10/2014 15:31:27	0.146	0.183

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,12/10/2014  
Start Time:,08:31:49  
Duration (dd:hh:mm:ss):,0:06:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,27  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.022  
,Minimum:,0.017  
,Time of Minimum:,08:46:49  
,Date of Minimum:,12/10/2014  
,Maximum:,0.032  
,Time of Maximum:,15:01:49  
,Date of Maximum:,12/10/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/10/2014,08:46:49,0.017  
12/10/2014,09:01:49,0.018  
12/10/2014,09:16:49,0.020  
12/10/2014,09:31:49,0.020  
12/10/2014,09:46:49,0.019  
12/10/2014,10:01:49,0.019  
12/10/2014,10:16:49,0.020  
12/10/2014,10:31:49,0.020  
12/10/2014,10:46:49,0.020  
12/10/2014,11:01:49,0.019  
12/10/2014,11:16:49,0.020  
12/10/2014,11:31:49,0.018  
12/10/2014,11:46:49,0.019  
12/10/2014,12:01:49,0.019  
12/10/2014,12:16:49,0.020  
12/10/2014,12:31:49,0.020  
12/10/2014,12:46:49,0.020  
12/10/2014,13:01:49,0.022  
12/10/2014,13:16:49,0.023  
12/10/2014,13:31:49,0.024  
12/10/2014,13:46:49,0.024  
12/10/2014,14:01:49,0.025  
12/10/2014,14:16:49,0.025  
12/10/2014,14:31:49,0.025  
12/10/2014,14:46:49,0.030  
12/10/2014,15:01:49,0.032  
12/10/2014,15:16:49,0.031

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_A  
Start Date:,12/10/2014  
Start Time:,13:50:23  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15

12-10-14 Upwind Dust

Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.025  
,Minimum: ,0.024  
,Time of Minimum: ,13:52:23  
,Date of Minimum: ,12/10/2014  
,Maximum: ,0.034  
,Time of Maximum: ,13:51:23  
,Date of Maximum: ,12/10/2014

Calibration,Sensor: ,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/10/2014,13:51:23,0.034  
12/10/2014,13:52:23,0.024  
12/10/2014,13:53:23,0.024  
12/10/2014,13:54:23,0.024  
12/10/2014,13:55:23,0.024  
12/10/2014,13:56:23,0.024  
12/10/2014,13:57:23,0.025  
12/10/2014,13:58:23,0.025  
12/10/2014,13:59:23,0.025  
12/10/2014,14:00:23,0.025  
12/10/2014,14:01:23,0.024  
12/10/2014,14:02:23,0.025  
12/10/2014,14:03:23,0.025  
12/10/2014,14:04:23,0.025  
12/10/2014,14:05:23,0.025

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,12/11/2014  
Start Time:,08:45:40  
Duration (dd:hh:mm:ss):,0:06:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,27  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.012  
,Minimum:,0.010  
,Time of Minimum:,09:15:40  
,Date of Minimum:,12/11/2014  
,Maximum:,0.016  
,Time of Maximum:,09:30:40  
,Date of Maximum:,12/11/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/11/2014,09:00:40,0.011  
12/11/2014,09:15:40,0.010  
12/11/2014,09:30:40,0.016  
12/11/2014,09:45:40,0.015  
12/11/2014,10:00:40,0.014  
12/11/2014,10:15:40,0.012  
12/11/2014,10:30:40,0.012  
12/11/2014,10:45:40,0.012  
12/11/2014,11:00:40,0.012  
12/11/2014,11:15:40,0.012  
12/11/2014,11:30:40,0.013  
12/11/2014,11:45:40,0.012  
12/11/2014,12:00:40,0.012  
12/11/2014,12:15:40,0.012  
12/11/2014,12:30:40,0.011  
12/11/2014,12:45:40,0.010  
12/11/2014,13:00:40,0.010  
12/11/2014,13:15:40,0.010  
12/11/2014,13:30:40,0.010  
12/11/2014,13:45:40,0.010  
12/11/2014,14:00:40,0.011  
12/11/2014,14:15:40,0.010  
12/11/2014,14:30:40,0.012  
12/11/2014,14:45:40,0.013  
12/11/2014,15:00:40,0.011  
12/11/2014,15:15:40,0.012  
12/11/2014,15:30:40,0.011

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_A  
Start Date:,12/11/2014  
Start Time:,12:57:40  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15

12-11-14 Downwind-1 Dust

Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.010  
,Minimum: ,0.009  
,Time of Minimum: ,13:03:40  
,Date of Minimum: ,12/11/2014  
,Maximum: ,0.015  
,Time of Maximum: ,12:58:40  
,Date of Maximum: ,12/11/2014

Calibration,Sensor: ,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/11/2014,12:58:40,0.015  
12/11/2014,12:59:40,0.010  
12/11/2014,13:00:40,0.010  
12/11/2014,13:01:40,0.010  
12/11/2014,13:02:40,0.010  
12/11/2014,13:03:40,0.009  
12/11/2014,13:04:40,0.009  
12/11/2014,13:05:40,0.010  
12/11/2014,13:06:40,0.010  
12/11/2014,13:07:40,0.010  
12/11/2014,13:08:40,0.010  
12/11/2014,13:09:40,0.010  
12/11/2014,13:10:40,0.010  
12/11/2014,13:11:40,0.010  
12/11/2014,13:12:40,0.010

Model: ,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530141112  
Test ID: ,004  
Test Abbreviation: ,MANUAL\_004\_B  
Start Date: ,12/11/2014  
Start Time: ,13:20:28  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.010  
,Minimum: ,0.009  
,Time of Minimum: ,13:22:28  
,Date of Minimum: ,12/11/2014  
,Maximum: ,0.018  
,Time of Maximum: ,13:21:28  
,Date of Maximum: ,12/11/2014

Calibration,Sensor: ,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/11/2014,13:21:28,0.018  
12/11/2014,13:22:28,0.009  
12/11/2014,13:23:28,0.009  
12/11/2014,13:24:28,0.009  
12/11/2014,13:25:28,0.009  
12/11/2014,13:26:28,0.009  
12/11/2014,13:27:28,0.009

12-11-14 Downwind-1 Dust

12/11/2014,13:28:28,0.009  
12/11/2014,13:29:28,0.010  
12/11/2014,13:30:28,0.009  
12/11/2014,13:31:28,0.009  
12/11/2014,13:32:28,0.010  
12/11/2014,13:33:28,0.010  
12/11/2014,13:34:28,0.010  
12/11/2014,13:35:28,0.010

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_C  
Start Date:,12/11/2014  
Start Time:,14:40:00  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.012  
,Minimum:,0.010  
,Time of Minimum:,14:44:00  
,Date of Minimum:,12/11/2014  
,Maximum:,0.021  
,Time of Maximum:,14:41:00  
,Date of Maximum:,12/11/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/11/2014,14:41:00,0.021  
12/11/2014,14:42:00,0.012  
12/11/2014,14:43:00,0.012  
12/11/2014,14:44:00,0.010  
12/11/2014,14:45:00,0.010  
12/11/2014,14:46:00,0.010  
12/11/2014,14:47:00,0.011  
12/11/2014,14:48:00,0.010  
12/11/2014,14:49:00,0.011  
12/11/2014,14:50:00,0.015  
12/11/2014,14:51:00,0.010  
12/11/2014,14:52:00,0.010  
12/11/2014,14:53:00,0.011  
12/11/2014,14:54:00,0.010  
12/11/2014,14:55:00,0.010

14/12/11 08:49

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907926  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 12/11/2014 08:49:50  
 End 12/11/2014 15:47:45  
 Sample Period(s) 900  
 Number of Records 27  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 12/11/2014 08:15  
 Peak 0.204  
 Min 0.120  
 Average 0.182

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	12/11/2014 09:04:50	0.113	0.135	0.120	
002	12/11/2014 09:19:50	0.124	0.136	0.134	
003	12/11/2014 09:34:50	0.141	0.179	0.142	
004	12/11/2014 09:49:50	0.152	0.203	0.152	
005	12/11/2014 10:04:50	0.159	0.180	0.157	
006	12/11/2014 10:19:50	0.162	0.175	0.167	
007	12/11/2014 10:34:50	0.170	0.182	0.172	
008	12/11/2014 10:49:50	0.173	0.183	0.173	
009	12/11/2014 11:04:50	0.177	0.185	0.178	
010	12/11/2014 11:19:50	0.180	0.187	0.180	
011	12/11/2014 11:34:50	0.183	0.192	0.186	
012	12/11/2014 11:49:50	0.186	0.199	0.187	
013	12/11/2014 12:04:50	0.188	0.194	0.192	
014	12/11/2014 12:19:50	0.191	0.205	0.194	
015	12/11/2014 12:34:50	0.194	0.210	0.192	
016	12/11/2014 12:49:50	0.194	0.198	0.195	
017	12/11/2014 13:04:50	0.196	0.204	0.198	
018	12/11/2014 13:19:50	0.196	0.201	0.196	
019	12/11/2014 13:34:50	0.198	0.212	0.198	
020	12/11/2014 13:49:50	0.198	0.204	0.199	
021	12/11/2014 14:04:50	0.199	0.234	0.201	
022	12/11/2014 14:19:50	0.200	0.207	0.201	
023	12/11/2014 14:34:50	0.214	0.354	0.200	
024	12/11/2014 14:49:50	0.205	0.290	0.202	
025	12/11/2014 15:04:50	0.201	0.206	0.204	



12-11-14 Downwind-1 VOC.prs					
026	12/11/2014	15:19:50	0.203	0.239	0.199
027	12/11/2014	15:34:50	0.202	0.207	0.203
Peak			0.214	0.354	0.204
Min			0.113	0.135	0.120
Average			0.181	0.204	0.182

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TWA/STEL

Index	Date/Time	VOC(ppm)	
		(TWA)	(STEL)
001	12/11/2014 09:04:50	0.004	0.120
002	12/11/2014 09:19:50	0.008	0.134
003	12/11/2014 09:34:50	0.012	0.142
004	12/11/2014 09:49:50	0.017	0.152
005	12/11/2014 10:04:50	0.022	0.157
006	12/11/2014 10:19:50	0.027	0.167
007	12/11/2014 10:34:50	0.033	0.172
008	12/11/2014 10:49:50	0.038	0.173
009	12/11/2014 11:04:50	0.044	0.178
010	12/11/2014 11:19:50	0.049	0.180
011	12/11/2014 11:34:50	0.055	0.186
012	12/11/2014 11:49:50	0.061	0.187
013	12/11/2014 12:04:50	0.067	0.192
014	12/11/2014 12:19:50	0.073	0.194
015	12/11/2014 12:34:50	0.079	0.192
016	12/11/2014 12:49:50	0.085	0.195
017	12/11/2014 13:04:50	0.091	0.198
018	12/11/2014 13:19:50	0.097	0.196
019	12/11/2014 13:34:50	0.104	0.198
020	12/11/2014 13:49:50	0.110	0.199
021	12/11/2014 14:04:50	0.116	0.201
022	12/11/2014 14:19:50	0.122	0.201
023	12/11/2014 14:34:50	0.129	0.200
024	12/11/2014 14:49:50	0.135	0.202
025	12/11/2014 15:04:50	0.141	0.204
026	12/11/2014 15:19:50	0.147	0.199
027	12/11/2014 15:34:50	0.154	0.203

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,12/11/2014  
Start Time:,08:38:33  
Duration (dd:hh:mm:ss):,0:06:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,27  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.015  
,Minimum:,0.008  
,Time of Minimum:,09:08:33  
,Date of Minimum:,12/11/2014  
,Maximum:,0.024  
,Time of Maximum:,12:23:33  
,Date of Maximum:,12/11/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/11/2014,08:53:33,0.013  
12/11/2014,09:08:33,0.008  
12/11/2014,09:23:33,0.012  
12/11/2014,09:38:33,0.012  
12/11/2014,09:53:33,0.011  
12/11/2014,10:08:33,0.011  
12/11/2014,10:23:33,0.013  
12/11/2014,10:38:33,0.012  
12/11/2014,10:53:33,0.011  
12/11/2014,11:08:33,0.013  
12/11/2014,11:23:33,0.016  
12/11/2014,11:38:33,0.016  
12/11/2014,11:53:33,0.019  
12/11/2014,12:08:33,0.017  
12/11/2014,12:23:33,0.024  
12/11/2014,12:38:33,0.017  
12/11/2014,12:53:33,0.017  
12/11/2014,13:08:33,0.022  
12/11/2014,13:23:33,0.015  
12/11/2014,13:38:33,0.015  
12/11/2014,13:53:33,0.014  
12/11/2014,14:08:33,0.015  
12/11/2014,14:23:33,0.014  
12/11/2014,14:38:33,0.014  
12/11/2014,14:53:33,0.011  
12/11/2014,15:08:33,0.013  
12/11/2014,15:23:33,0.021

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_A  
Start Date:,12/11/2014  
Start Time:,08:38:34  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15

Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.013  
,Minimum: ,0.008  
,Time of Minimum: ,08:40:34  
,Date of Minimum: ,12/11/2014  
,Maximum: ,0.081  
,Time of Maximum: ,08:39:34  
,Date of Maximum: ,12/11/2014

Calibration,Sensor: ,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/11/2014,08:39:34,0.081  
12/11/2014,08:40:34,0.008  
12/11/2014,08:41:34,0.008  
12/11/2014,08:42:34,0.008  
12/11/2014,08:43:34,0.008  
12/11/2014,08:44:34,0.008  
12/11/2014,08:45:34,0.008  
12/11/2014,08:46:34,0.008  
12/11/2014,08:47:34,0.008  
12/11/2014,08:48:34,0.008  
12/11/2014,08:49:34,0.010  
12/11/2014,08:50:34,0.009  
12/11/2014,08:51:34,0.008  
12/11/2014,08:52:34,0.008  
12/11/2014,08:53:34,0.008

Model: ,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530122515  
Test ID: ,004  
Test Abbreviation: ,MANUAL\_004\_B  
Start Date: ,12/11/2014  
Start Time: ,12:56:40  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.020  
,Minimum: ,0.010  
,Time of Minimum: ,13:00:40  
,Date of Minimum: ,12/11/2014  
,Maximum: ,0.118  
,Time of Maximum: ,12:57:40  
,Date of Maximum: ,12/11/2014

Calibration,Sensor: ,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/11/2014,12:57:40,0.118  
12/11/2014,12:58:40,0.019  
12/11/2014,12:59:40,0.014  
12/11/2014,13:00:40,0.010  
12/11/2014,13:01:40,0.016  
12/11/2014,13:02:40,0.012  
12/11/2014,13:03:40,0.010

12-11-14 Downwind-2 Dust

12/11/2014,13:04:40,0.022  
12/11/2014,13:05:40,0.011  
12/11/2014,13:06:40,0.011  
12/11/2014,13:07:40,0.015  
12/11/2014,13:08:40,0.010  
12/11/2014,13:09:40,0.010  
12/11/2014,13:10:40,0.017  
12/11/2014,13:11:40,0.010

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_C  
Start Date:,12/11/2014  
Start Time:,15:16:13  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.021  
,Minimum:,0.010  
,Time of Minimum:,15:18:13  
,Date of Minimum:,12/11/2014  
,Maximum:,0.118  
,Time of Maximum:,15:17:13  
,Date of Maximum:,12/11/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/11/2014,15:17:13,0.118  
12/11/2014,15:18:13,0.010  
12/11/2014,15:19:13,0.014  
12/11/2014,15:20:13,0.019  
12/11/2014,15:21:13,0.011  
12/11/2014,15:22:13,0.018  
12/11/2014,15:23:13,0.019  
12/11/2014,15:24:13,0.012  
12/11/2014,15:25:13,0.010  
12/11/2014,15:26:13,0.010  
12/11/2014,15:27:13,0.010  
12/11/2014,15:28:13,0.011  
12/11/2014,15:29:13,0.019  
12/11/2014,15:30:13,0.014  
12/11/2014,15:31:13,0.017

14/12/11 08:46

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-913116  
 Unit Firmware Ver V1.20A  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 12/11/2014 08:46:54  
 End 12/11/2014 15:44:26  
 Sample Period(s) 900  
 Number of Records 27  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 5.000  
 Measurement Gas Isobutylene  
 Calibration Time 12/11/2014 08:19  
 Peak 0.303  
 Min 0.082  
 Average 0.191

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	12/11/2014 09:01:54	0.070	0.106	0.082	
002	12/11/2014 09:16:54	0.103	0.133	0.120	
003	12/11/2014 09:31:54	0.141	0.215	0.163	
004	12/11/2014 09:46:54	0.166	0.231	0.184	
005	12/11/2014 10:01:54	0.176	0.215	0.209	
006	12/11/2014 10:16:54	0.182	0.211	0.183	
007	12/11/2014 10:31:54	0.193	0.222	0.205	
008	12/11/2014 10:46:54	0.188	0.217	0.189	
009	12/11/2014 11:01:54	0.186	0.210	0.183	
010	12/11/2014 11:16:54	0.186	0.228	0.205	
011	12/11/2014 11:31:54	0.195	0.336	0.221	
012	12/11/2014 11:46:54	0.194	0.284	0.197	
013	12/11/2014 12:01:54	0.194	0.227	0.186	
014	12/11/2014 12:16:54	0.198	0.266	0.206	
015	12/11/2014 12:31:54	0.204	0.259	0.187	
016	12/11/2014 12:46:54	0.198	0.234	0.188	
017	12/11/2014 13:01:54	0.204	0.264	0.210	
018	12/11/2014 13:16:54	0.197	0.259	0.185	
019	12/11/2014 13:31:54	0.200	0.279	0.225	
020	12/11/2014 13:46:54	0.206	0.303	0.303	
021	12/11/2014 14:01:54	0.212	0.306	0.192	
022	12/11/2014 14:16:54	0.211	0.325	0.208	
023	12/11/2014 14:31:54	0.203	0.331	0.192	
024	12/11/2014 14:46:54	0.192	0.240	0.189	
025	12/11/2014 15:01:54	0.183	0.209	0.182	

12-11-14 Downwind-2 VOC.prs

026	12/11/2014	15:16:54	0.190	0.360	0.182
027	12/11/2014	15:31:54	0.188	0.245	0.187
Peak		0.212	0.360	0.303	
Min		0.070	0.106	0.082	
Average		0.184	0.249	0.191	

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TWA/STEL

Index	Date/Time	VOC(ppm)	
		(TWA)	(STEL)
001	12/11/2014	09:01:54	0.003 0.082
002	12/11/2014	09:16:54	0.006 0.120
003	12/11/2014	09:31:54	0.011 0.163
004	12/11/2014	09:46:54	0.017 0.184
005	12/11/2014	10:01:54	0.024 0.209
006	12/11/2014	10:16:54	0.029 0.183
007	12/11/2014	10:31:54	0.036 0.205
008	12/11/2014	10:46:54	0.042 0.189
009	12/11/2014	11:01:54	0.047 0.183
010	12/11/2014	11:16:54	0.054 0.205
011	12/11/2014	11:31:54	0.061 0.221
012	12/11/2014	11:46:54	0.067 0.197
013	12/11/2014	12:01:54	0.073 0.186
014	12/11/2014	12:16:54	0.079 0.206
015	12/11/2014	12:31:54	0.085 0.187
016	12/11/2014	12:46:54	0.091 0.188
017	12/11/2014	13:01:54	0.097 0.210
018	12/11/2014	13:16:54	0.103 0.185
019	12/11/2014	13:31:54	0.110 0.225
020	12/11/2014	13:46:54	0.120 0.303
021	12/11/2014	14:01:54	0.126 0.192
022	12/11/2014	14:16:54	0.132 0.208
023	12/11/2014	14:31:54	0.138 0.192
024	12/11/2014	14:46:54	0.144 0.189
025	12/11/2014	15:01:54	0.150 0.182
026	12/11/2014	15:16:54	0.156 0.182
027	12/11/2014	15:31:54	0.161 0.187

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530143315  
Test ID: ,004  
Test Abbreviation: ,MANUAL\_004  
Start Date: ,12/11/2014  
Start Time: ,08:31:27  
Duration (dd:hh:mm:ss): ,0:07:00:00  
Log Interval (mm:ss): ,15:00  
Number of points: ,28  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.008  
,Minimum: ,0.007  
,Time of Minimum: ,08:46:27  
,Date of Minimum: ,12/11/2014  
,Maximum: ,0.009  
,Time of Maximum: ,10:01:27  
,Date of Maximum: ,12/11/2014

Calibration,Sensor: ,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/11/2014,08:46:27,0.007  
12/11/2014,09:01:27,0.007  
12/11/2014,09:16:27,0.007  
12/11/2014,09:31:27,0.008  
12/11/2014,09:46:27,0.008  
12/11/2014,10:01:27,0.009  
12/11/2014,10:16:27,0.008  
12/11/2014,10:31:27,0.008  
12/11/2014,10:46:27,0.008  
12/11/2014,11:01:27,0.008  
12/11/2014,11:16:27,0.008  
12/11/2014,11:31:27,0.009  
12/11/2014,11:46:27,0.009  
12/11/2014,12:01:27,0.008  
12/11/2014,12:16:27,0.009  
12/11/2014,12:31:27,0.008  
12/11/2014,12:46:27,0.007  
12/11/2014,13:01:27,0.007  
12/11/2014,13:16:27,0.007  
12/11/2014,13:31:27,0.007  
12/11/2014,13:46:27,0.007  
12/11/2014,14:01:27,0.007  
12/11/2014,14:16:27,0.007  
12/11/2014,14:31:27,0.007  
12/11/2014,14:46:27,0.007  
12/11/2014,15:01:27,0.007  
12/11/2014,15:16:27,0.007  
12/11/2014,15:31:27,0.007

## TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,12/01/2014  
Start Time:,08:05:40  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.017  
,Minimum:,0.011  
,Time of Minimum:,09:05:40  
,Date of Minimum:,12/01/2014  
,Maximum:,0.022  
,Time of Maximum:,12:05:40  
,Date of Maximum:,12/01/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/01/2014,08:20:40,0.016  
12/01/2014,08:35:40,0.015  
12/01/2014,08:50:40,0.012  
12/01/2014,09:05:40,0.011  
12/01/2014,09:20:40,0.011  
12/01/2014,09:35:40,0.012  
12/01/2014,09:50:40,0.013  
12/01/2014,10:05:40,0.014  
12/01/2014,10:20:40,0.015  
12/01/2014,10:35:40,0.015  
12/01/2014,10:50:40,0.018  
12/01/2014,11:05:40,0.016  
12/01/2014,11:20:40,0.015  
12/01/2014,11:35:40,0.016  
12/01/2014,11:50:40,0.020  
12/01/2014,12:05:40,0.022  
12/01/2014,12:20:40,0.021  
12/01/2014,12:35:40,0.020  
12/01/2014,12:50:40,0.018  
12/01/2014,13:05:40,0.018  
12/01/2014,13:20:40,0.017  
12/01/2014,13:35:40,0.019  
12/01/2014,13:50:40,0.021  
12/01/2014,14:05:40,0.022  
12/01/2014,14:20:40,0.020  
12/01/2014,14:35:40,0.020  
12/01/2014,14:50:40,0.020  
12/01/2014,15:05:40,0.019  
12/01/2014,15:20:40,0.019  
12/01/2014,15:35:40,0.018  
12/01/2014,15:50:40,0.016



12-1-14 Downwind-1 VOC

14/12/01 08:08

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907926  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 12/1/2014 08:08:01  
 End 12/1/2014 16:06:47  
 Sample Period(s) 900  
 Number of Records 31  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 12/1/2014 07:53  
 Peak 0.180  
 Min 0.065  
 Average 0.141

\*\*\*\*\*

Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	12/1/2014 08:23:01	0.054	0.117	0.065	0.065
002	12/1/2014 08:38:01	0.066	0.084	0.069	0.069
003	12/1/2014 08:53:01	0.079	0.092	0.091	0.091
004	12/1/2014 09:08:01	0.096	0.116	0.102	0.102
005	12/1/2014 09:23:01	0.105	0.116	0.111	0.111
006	12/1/2014 09:38:01	0.115	0.126	0.125	0.125
007	12/1/2014 09:53:01	0.124	0.133	0.126	0.126
008	12/1/2014 10:08:01	0.132	0.141	0.134	0.134
009	12/1/2014 10:23:01	0.134	0.143	0.139	0.139
010	12/1/2014 10:38:01	0.139	0.145	0.138	0.138
011	12/1/2014 10:53:01	0.140	0.148	0.143	0.143
012	12/1/2014 11:08:01	0.142	0.150	0.144	0.144
013	12/1/2014 11:23:01	0.143	0.156	0.145	0.145
014	12/1/2014 11:38:01	0.143	0.156	0.140	0.140
015	12/1/2014 11:53:01	0.144	0.162	0.147	0.147
016	12/1/2014 12:08:01	0.147	0.158	0.146	0.146
017	12/1/2014 12:23:01	0.149	0.163	0.153	0.153
018	12/1/2014 12:38:01	0.152	0.161	0.150	0.150
019	12/1/2014 12:53:01	0.153	0.164	0.150	0.150
020	12/1/2014 13:08:01	0.154	0.164	0.153	0.153
021	12/1/2014 13:23:01	0.170	0.746	0.158	0.158
022	12/1/2014 13:38:01	0.158	0.169	0.161	0.161
023	12/1/2014 13:53:01	0.158	0.169	0.160	0.160
024	12/1/2014 14:08:01	0.168	0.276	0.180	0.180
025	12/1/2014 14:23:01	0.163	0.195	0.163	0.163

12-1-14 Downwind-1 VOC

026	12/1/2014	14:38:01	0.164	0.176	0.161
027	12/1/2014	14:53:01	0.175	0.467	0.167
028	12/1/2014	15:08:01	0.169	0.188	0.167
029	12/1/2014	15:23:01	0.166	0.172	0.167
030	12/1/2014	15:38:01	0.164	0.173	0.165
031	12/1/2014	15:53:01	0.163	0.174	0.163
Peak		0.175	0.746	0.180	
Min		0.054	0.084	0.065	
Average		0.140	0.184	0.141	

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	12/1/2014 08:23:01	0.002	0.065
002	12/1/2014 08:38:01	0.004	0.069
003	12/1/2014 08:53:01	0.007	0.091
004	12/1/2014 09:08:01	0.010	0.102
005	12/1/2014 09:23:01	0.014	0.111
006	12/1/2014 09:38:01	0.018	0.125
007	12/1/2014 09:53:01	0.022	0.126
008	12/1/2014 10:08:01	0.026	0.134
009	12/1/2014 10:23:01	0.030	0.139
010	12/1/2014 10:38:01	0.034	0.138
011	12/1/2014 10:53:01	0.039	0.143
012	12/1/2014 11:08:01	0.043	0.144
013	12/1/2014 11:23:01	0.048	0.145
014	12/1/2014 11:38:01	0.052	0.140
015	12/1/2014 11:53:01	0.057	0.147
016	12/1/2014 12:08:01	0.061	0.146
017	12/1/2014 12:23:01	0.066	0.153
018	12/1/2014 12:38:01	0.071	0.150
019	12/1/2014 12:53:01	0.076	0.150
020	12/1/2014 13:08:01	0.080	0.153
021	12/1/2014 13:23:01	0.085	0.158
022	12/1/2014 13:38:01	0.090	0.161
023	12/1/2014 13:53:01	0.095	0.160
024	12/1/2014 14:08:01	0.101	0.180
025	12/1/2014 14:23:01	0.106	0.163
026	12/1/2014 14:38:01	0.111	0.161
027	12/1/2014 14:53:01	0.116	0.167
028	12/1/2014 15:08:01	0.122	0.167
029	12/1/2014 15:23:01	0.127	0.167
030	12/1/2014 15:38:01	0.132	0.165
031	12/1/2014 15:53:01	0.137	0.163

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,12/01/2014  
Start Time:,07:58:21  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.017  
,Minimum:,0.012  
,Time of Minimum:,08:58:21  
,Date of Minimum:,12/01/2014  
,Maximum:,0.032  
,Time of Maximum:,08:28:21  
,Date of Maximum:,12/01/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/01/2014,08:13:21,0.024  
12/01/2014,08:28:21,0.032  
12/01/2014,08:43:21,0.015  
12/01/2014,08:58:21,0.012  
12/01/2014,09:13:21,0.013  
12/01/2014,09:28:21,0.012  
12/01/2014,09:43:21,0.013  
12/01/2014,09:58:21,0.013  
12/01/2014,10:13:21,0.015  
12/01/2014,10:28:21,0.015  
12/01/2014,10:43:21,0.017  
12/01/2014,10:58:21,0.017  
12/01/2014,11:13:21,0.014  
12/01/2014,11:28:21,0.015  
12/01/2014,11:43:21,0.018  
12/01/2014,11:58:21,0.021  
12/01/2014,12:13:21,0.020  
12/01/2014,12:28:21,0.019  
12/01/2014,12:43:21,0.017  
12/01/2014,12:58:21,0.017  
12/01/2014,13:13:21,0.016  
12/01/2014,13:28:21,0.018  
12/01/2014,13:43:21,0.019  
12/01/2014,13:58:21,0.020  
12/01/2014,14:13:21,0.020  
12/01/2014,14:28:21,0.019  
12/01/2014,14:43:21,0.019  
12/01/2014,14:58:21,0.019  
12/01/2014,15:13:21,0.018  
12/01/2014,15:28:21,0.017  
12/01/2014,15:43:21,0.015

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,12/01/2014

12-1-14 Downwind-2 Dust

Start Time:,07:58:22  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.024  
,Minimum:,0.013  
,Time of Minimum:,08:00:22  
,Date of Minimum:,12/01/2014  
,Maximum:,0.049  
,Time of Maximum:,08:06:22  
,Date of Maximum:,12/01/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/01/2014,07:59:22,0.023  
12/01/2014,08:00:22,0.013  
12/01/2014,08:01:22,0.013  
12/01/2014,08:02:22,0.013  
12/01/2014,08:03:22,0.021  
12/01/2014,08:04:22,0.032  
12/01/2014,08:05:22,0.027  
12/01/2014,08:06:22,0.049  
12/01/2014,08:07:22,0.018  
12/01/2014,08:08:22,0.013  
12/01/2014,08:09:22,0.014  
12/01/2014,08:10:22,0.030  
12/01/2014,08:11:22,0.031  
12/01/2014,08:12:22,0.048  
12/01/2014,08:13:22,0.017

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_B  
Start Date:,12/01/2014  
Start Time:,09:07:29  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.013  
,Minimum:,0.012  
,Time of Minimum:,09:09:29  
,Date of Minimum:,12/01/2014  
,Maximum:,0.021  
,Time of Maximum:,09:08:29  
,Date of Maximum:,12/01/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/01/2014,09:08:29,0.021  
12/01/2014,09:09:29,0.012  
12/01/2014,09:10:29,0.012

12-1-14 Downwind-2 Dust

12/01/2014,09:11:29,0.012  
12/01/2014,09:12:29,0.013  
12/01/2014,09:13:29,0.012  
12/01/2014,09:14:29,0.012  
12/01/2014,09:15:29,0.012  
12/01/2014,09:16:29,0.012  
12/01/2014,09:17:29,0.013  
12/01/2014,09:18:29,0.013  
12/01/2014,09:19:29,0.012  
12/01/2014,09:20:29,0.014  
12/01/2014,09:21:29,0.013  
12/01/2014,09:22:29,0.013

12-1-14 Downwind-2 VOC

14/12/01 08:04

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-913116  
 Unit Firmware Ver V1.20A  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 12/1/2014 08:04:54  
 End 12/1/2014 16:04:40  
 Sample Period(s) 900  
 Number of Records 31  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 5.000  
 Measurement Gas Isobutylene  
 Calibration Time 12/1/2014 07:55  
 Peak 0.251  
 Min 0.009  
 Average 0.140

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	12/1/2014 08:19:54	0.026	0.130	0.009	
002	12/1/2014 08:34:54	0.025	0.074	0.044	
003	12/1/2014 08:49:54	0.035	0.056	0.042	
004	12/1/2014 09:04:54	0.055	0.090	0.061	
005	12/1/2014 09:19:54	0.068	0.089	0.074	
006	12/1/2014 09:34:54	0.080	0.089	0.085	
007	12/1/2014 09:49:54	0.091	0.102	0.092	
008	12/1/2014 10:04:54	0.097	0.114	0.099	
009	12/1/2014 10:19:54	0.100	0.106	0.098	
010	12/1/2014 10:34:54	0.104	0.117	0.104	
011	12/1/2014 10:49:54	0.106	0.114	0.107	
012	12/1/2014 11:04:54	0.116	0.125	0.122	
013	12/1/2014 11:19:54	0.125	0.137	0.128	
014	12/1/2014 11:34:54	0.136	0.164	0.135	
015	12/1/2014 11:49:54	0.137	0.162	0.141	
016	12/1/2014 12:04:54	0.143	0.163	0.147	
017	12/1/2014 12:19:54	0.148	0.169	0.144	
018	12/1/2014 12:34:54	0.151	0.167	0.150	
019	12/1/2014 12:49:54	0.156	0.171	0.171	
020	12/1/2014 13:04:54	0.163	0.185	0.169	
021	12/1/2014 13:19:54	0.176	0.253	0.188	
022	12/1/2014 13:34:54	0.176	0.204	0.179	
023	12/1/2014 13:49:54	0.181	0.200	0.183	
024	12/1/2014 14:04:54	0.196	0.320	0.191	
025	12/1/2014 14:19:54	0.194	0.220	0.202	

12-1-14 Downwind-2 VOC					
026	12/1/2014	14:34:54	0.198	0.223	0.190
027	12/1/2014	14:49:54	0.227	0.811	0.251
028	12/1/2014	15:04:54	0.237	0.865	0.208
029	12/1/2014	15:19:54	0.213	0.253	0.203
030	12/1/2014	15:34:54	0.208	0.230	0.212
031	12/1/2014	15:49:54	0.212	0.231	0.200
Peak		0.237	0.865	0.251	
Min		0.025	0.056	0.009	
Average		0.138	0.204	0.140	

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	12/1/2014 08:19:54	0.000	0.009
002	12/1/2014 08:34:54	0.002	0.044
003	12/1/2014 08:49:54	0.003	0.042
004	12/1/2014 09:04:54	0.005	0.061
005	12/1/2014 09:19:54	0.007	0.074
006	12/1/2014 09:34:54	0.010	0.085
007	12/1/2014 09:49:54	0.013	0.092
008	12/1/2014 10:04:54	0.016	0.099
009	12/1/2014 10:19:54	0.019	0.098
010	12/1/2014 10:34:54	0.022	0.104
011	12/1/2014 10:49:54	0.025	0.107
012	12/1/2014 11:04:54	0.029	0.122
013	12/1/2014 11:19:54	0.033	0.128
014	12/1/2014 11:34:54	0.037	0.135
015	12/1/2014 11:49:54	0.042	0.141
016	12/1/2014 12:04:54	0.047	0.147
017	12/1/2014 12:19:54	0.051	0.144
018	12/1/2014 12:34:54	0.056	0.150
019	12/1/2014 12:49:54	0.061	0.171
020	12/1/2014 13:04:54	0.066	0.169
021	12/1/2014 13:19:54	0.072	0.188
022	12/1/2014 13:34:54	0.078	0.179
023	12/1/2014 13:49:54	0.083	0.183
024	12/1/2014 14:04:54	0.089	0.191
025	12/1/2014 14:19:54	0.096	0.202
026	12/1/2014 14:34:54	0.102	0.190
027	12/1/2014 14:49:54	0.110	0.251
028	12/1/2014 15:04:54	0.116	0.208
029	12/1/2014 15:19:54	0.122	0.203
030	12/1/2014 15:34:54	0.129	0.212
031	12/1/2014 15:49:54	0.135	0.200

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,12/01/2014  
Start Time:,07:53:27  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.015  
,Minimum:,0.011  
,Time of Minimum:,08:38:27  
,Date of Minimum:,12/01/2014  
,Maximum:,0.019  
,Time of Maximum:,08:53:27  
,Date of Maximum:,12/01/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/01/2014,08:08:27,0.014  
12/01/2014,08:23:27,0.012  
12/01/2014,08:38:27,0.011  
12/01/2014,08:53:27,0.019  
12/01/2014,09:08:27,0.012  
12/01/2014,09:23:27,0.011  
12/01/2014,09:38:27,0.011  
12/01/2014,09:53:27,0.011  
12/01/2014,10:08:27,0.013  
12/01/2014,10:23:27,0.013  
12/01/2014,10:38:27,0.015  
12/01/2014,10:53:27,0.015  
12/01/2014,11:08:27,0.013  
12/01/2014,11:23:27,0.013  
12/01/2014,11:38:27,0.015  
12/01/2014,11:53:27,0.019  
12/01/2014,12:08:27,0.019  
12/01/2014,12:23:27,0.018  
12/01/2014,12:38:27,0.016  
12/01/2014,12:53:27,0.016  
12/01/2014,13:08:27,0.014  
12/01/2014,13:23:27,0.015  
12/01/2014,13:38:27,0.017  
12/01/2014,13:53:27,0.018  
12/01/2014,14:08:27,0.019  
12/01/2014,14:23:27,0.017  
12/01/2014,14:38:27,0.018  
12/01/2014,14:53:27,0.017  
12/01/2014,15:08:27,0.016  
12/01/2014,15:23:27,0.016  
12/01/2014,15:38:27,0.014

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,12/01/2014



12-1-14 Upwind Dust

Start Time:,07:53:28  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.014  
,Minimum:,0.013  
,Time of Minimum:,07:55:28  
,Date of Minimum:,12/01/2014  
,Maximum:,0.028  
,Time of Maximum:,07:54:28  
,Date of Maximum:,12/01/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/01/2014,07:54:28,0.028  
12/01/2014,07:55:28,0.013  
12/01/2014,07:56:28,0.013  
12/01/2014,07:57:28,0.013  
12/01/2014,07:58:28,0.013  
12/01/2014,07:59:28,0.013  
12/01/2014,08:00:28,0.013  
12/01/2014,08:01:28,0.013  
12/01/2014,08:02:28,0.013  
12/01/2014,08:03:28,0.013  
12/01/2014,08:04:28,0.013  
12/01/2014,08:05:28,0.013  
12/01/2014,08:06:28,0.013  
12/01/2014,08:07:28,0.013  
12/01/2014,08:08:28,0.013

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_B  
Start Date:,12/01/2014  
Start Time:,08:41:16  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.018  
,Minimum:,0.011  
,Time of Minimum:,08:44:16  
,Date of Minimum:,12/01/2014  
,Maximum:,0.048  
,Time of Maximum:,08:43:16  
,Date of Maximum:,12/01/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/01/2014,08:42:16,0.036  
12/01/2014,08:43:16,0.048  
12/01/2014,08:44:16,0.011

12-1-14 Upwind Dust

12/01/2014,08:45:16,0.017  
12/01/2014,08:46:16,0.018  
12/01/2014,08:47:16,0.015  
12/01/2014,08:48:16,0.013  
12/01/2014,08:49:16,0.011  
12/01/2014,08:50:16,0.011  
12/01/2014,08:51:16,0.015  
12/01/2014,08:52:16,0.020  
12/01/2014,08:53:16,0.011  
12/01/2014,08:54:16,0.011  
12/01/2014,08:55:16,0.021  
12/01/2014,08:56:16,0.019

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,005  
Test Abbreviation:,MANUAL\_005  
Start Date:,12/12/2014  
Start Time:,08:15:48  
Duration (dd:hh:mm:ss):,0:06:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,25  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.021  
,Minimum:,0.012  
,Time of Minimum:,08:30:48  
,Date of Minimum:,12/12/2014  
,Maximum:,0.028  
,Time of Maximum:,14:00:48  
,Date of Maximum:,12/12/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/12/2014,08:30:48,0.012  
12/12/2014,08:45:48,0.012  
12/12/2014,09:00:48,0.013  
12/12/2014,09:15:48,0.014  
12/12/2014,09:30:48,0.013  
12/12/2014,09:45:48,0.013  
12/12/2014,10:00:48,0.014  
12/12/2014,10:15:48,0.014  
12/12/2014,10:30:48,0.015  
12/12/2014,10:45:48,0.019  
12/12/2014,11:00:48,0.025  
12/12/2014,11:15:48,0.023  
12/12/2014,11:30:48,0.023  
12/12/2014,11:45:48,0.025  
12/12/2014,12:00:48,0.026  
12/12/2014,12:15:48,0.026  
12/12/2014,12:30:48,0.025  
12/12/2014,12:45:48,0.025  
12/12/2014,13:00:48,0.026  
12/12/2014,13:15:48,0.026  
12/12/2014,13:30:48,0.026  
12/12/2014,13:45:48,0.027  
12/12/2014,14:00:48,0.028  
12/12/2014,14:15:48,0.025  
12/12/2014,14:30:48,0.019

12-12-14 Downwind-1 VOC.prs

14/12/12 08:20

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907926  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 12/12/2014 08:20:09  
 End 12/12/2014 14:39:49  
 Sample Period(s) 900  
 Number of Records 25  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 12/12/2014 07:41  
 Peak 0.202  
 Min 0.110  
 Average 0.169

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	12/12/2014 08:35:09	0.098	0.120	0.110	
002	12/12/2014 08:50:09	0.114	0.134	0.128	
003	12/12/2014 09:05:09	0.125	0.133	0.129	
004	12/12/2014 09:20:09	0.136	0.153	0.141	
005	12/12/2014 09:35:09	0.143	0.149	0.147	
006	12/12/2014 09:50:09	0.148	0.153	0.151	
007	12/12/2014 10:05:09	0.153	0.159	0.158	
008	12/12/2014 10:20:09	0.158	0.163	0.159	
009	12/12/2014 10:35:09	0.162	0.179	0.162	
010	12/12/2014 10:50:09	0.163	0.167	0.167	
011	12/12/2014 11:05:09	0.166	0.171	0.167	
012	12/12/2014 11:20:09	0.169	0.173	0.170	
013	12/12/2014 11:35:09	0.172	0.177	0.174	
014	12/12/2014 11:50:09	0.175	0.180	0.175	
015	12/12/2014 12:05:09	0.178	0.183	0.178	
016	12/12/2014 12:20:09	0.180	0.185	0.180	
017	12/12/2014 12:35:09	0.182	0.186	0.180	
018	12/12/2014 12:50:09	0.183	0.189	0.184	
019	12/12/2014 13:05:09	0.186	0.191	0.187	
020	12/12/2014 13:20:09	0.188	0.194	0.193	
021	12/12/2014 13:35:09	0.190	0.196	0.192	
022	12/12/2014 13:50:09	0.192	0.196	0.192	
023	12/12/2014 14:05:09	0.194	0.200	0.198	
024	12/12/2014 14:20:09	0.199	0.216	0.200	
025	12/12/2014 14:35:09	0.201	0.205	0.202	

12-12-14 Downwind-1 VOC.prs

Peak 0.201 0.216 0.202  
 Min 0.098 0.120 0.110  
 Average 0.166 0.174 0.169

\*\*\*\*\*

TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	12/12/2014 08:35:09	0.003	0.110
002	12/12/2014 08:50:09	0.007	0.128
003	12/12/2014 09:05:09	0.011	0.129
004	12/12/2014 09:20:09	0.016	0.141
005	12/12/2014 09:35:09	0.020	0.147
006	12/12/2014 09:50:09	0.025	0.151
007	12/12/2014 10:05:09	0.030	0.158
008	12/12/2014 10:20:09	0.035	0.159
009	12/12/2014 10:35:09	0.040	0.162
010	12/12/2014 10:50:09	0.045	0.167
011	12/12/2014 11:05:09	0.051	0.167
012	12/12/2014 11:20:09	0.056	0.170
013	12/12/2014 11:35:09	0.061	0.174
014	12/12/2014 11:50:09	0.067	0.175
015	12/12/2014 12:05:09	0.072	0.178
016	12/12/2014 12:20:09	0.078	0.180
017	12/12/2014 12:35:09	0.084	0.180
018	12/12/2014 12:50:09	0.089	0.184
019	12/12/2014 13:05:09	0.095	0.187
020	12/12/2014 13:20:09	0.101	0.193
021	12/12/2014 13:35:09	0.107	0.192
022	12/12/2014 13:50:09	0.113	0.192
023	12/12/2014 14:05:09	0.119	0.198
024	12/12/2014 14:20:09	0.126	0.200
025	12/12/2014 14:35:09	0.132	0.202

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,005  
Test Abbreviation:,MANUAL\_005  
Start Date:,12/12/2014  
Start Time:,08:08:23  
Duration (dd:hh:mm:ss):,0:06:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,25  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.028  
,Minimum:,0.012  
,Time of Minimum:,08:38:23  
,Date of Minimum:,12/12/2014  
,Maximum:,0.047  
,Time of Maximum:,11:38:23  
,Date of Maximum:,12/12/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/12/2014,08:23:23,0.013  
12/12/2014,08:38:23,0.012  
12/12/2014,08:53:23,0.016  
12/12/2014,09:08:23,0.014  
12/12/2014,09:23:23,0.018  
12/12/2014,09:38:23,0.027  
12/12/2014,09:53:23,0.024  
12/12/2014,10:08:23,0.023  
12/12/2014,10:23:23,0.020  
12/12/2014,10:38:23,0.023  
12/12/2014,10:53:23,0.035  
12/12/2014,11:08:23,0.030  
12/12/2014,11:23:23,0.039  
12/12/2014,11:38:23,0.047  
12/12/2014,11:53:23,0.039  
12/12/2014,12:08:23,0.039  
12/12/2014,12:23:23,0.036  
12/12/2014,12:38:23,0.026  
12/12/2014,12:53:23,0.027  
12/12/2014,13:08:23,0.026  
12/12/2014,13:23:23,0.036  
12/12/2014,13:38:23,0.039  
12/12/2014,13:53:23,0.041  
12/12/2014,14:08:23,0.039  
12/12/2014,14:23:23,0.019

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_A  
Start Date:,12/12/2014  
Start Time:,10:39:57  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

12-12-14 Downwind-2 Dust

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.032  
,Minimum:,0.023  
,Time of Minimum:,10:42:57  
,Date of Minimum:,12/12/2014  
,Maximum:,0.064  
,Time of Maximum:,10:40:57  
,Date of Maximum:,12/12/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
12/12/2014,10:40:57,0.064  
12/12/2014,10:41:57,0.024  
12/12/2014,10:42:57,0.023  
12/12/2014,10:43:57,0.024  
12/12/2014,10:44:57,0.028  
12/12/2014,10:45:57,0.023  
12/12/2014,10:46:57,0.023  
12/12/2014,10:47:57,0.049  
12/12/2014,10:48:57,0.030  
12/12/2014,10:49:57,0.028  
12/12/2014,10:50:57,0.044  
12/12/2014,10:51:57,0.026  
12/12/2014,10:52:57,0.029  
12/12/2014,10:53:57,0.035  
12/12/2014,10:54:57,0.029

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_B  
Start Date:,12/12/2014  
Start Time:,11:17:28  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.043  
,Minimum:,0.024  
,Time of Minimum:,11:20:28  
,Date of Minimum:,12/12/2014  
,Maximum:,0.070  
,Time of Maximum:,11:29:28  
,Date of Maximum:,12/12/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
12/12/2014,11:18:28,0.061  
12/12/2014,11:19:28,0.029  
12/12/2014,11:20:28,0.024  
12/12/2014,11:21:28,0.025  
12/12/2014,11:22:28,0.027  
12/12/2014,11:23:28,0.026  
12/12/2014,11:24:28,0.054  
12/12/2014,11:25:28,0.059  
12/12/2014,11:26:28,0.055

12-12-14 Downwind-2 Dust

12/12/2014,11:27:28,0.064  
12/12/2014,11:28:28,0.043  
12/12/2014,11:29:28,0.070  
12/12/2014,11:30:28,0.029  
12/12/2014,11:31:28,0.042  
12/12/2014,11:32:28,0.034

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_C  
Start Date:,12/12/2014  
Start Time:,12:07:09  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.040  
,Minimum:,0.024  
,Time of Minimum:,12:21:09  
,Date of Minimum:,12/12/2014  
,Maximum:,0.064  
,Time of Maximum:,12:08:09  
,Date of Maximum:,12/12/2014

Calibration,Sensor:,,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/12/2014,12:08:09,0.064  
12/12/2014,12:09:09,0.064  
12/12/2014,12:10:09,0.050  
12/12/2014,12:11:09,0.043  
12/12/2014,12:12:09,0.058  
12/12/2014,12:13:09,0.057  
12/12/2014,12:14:09,0.027  
12/12/2014,12:15:09,0.050  
12/12/2014,12:16:09,0.030  
12/12/2014,12:17:09,0.026  
12/12/2014,12:18:09,0.026  
12/12/2014,12:19:09,0.026  
12/12/2014,12:20:09,0.026  
12/12/2014,12:21:09,0.024  
12/12/2014,12:22:09,0.026

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_D  
Start Date:,12/12/2014  
Start Time:,12:39:29  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.027  
,Minimum:,0.025  
,Time of Minimum:,12:43:29



12-12-14 Downwind-2 Dust

,Date of Minimum:,12/12/2014  
,Maximum:,0.038  
,Time of Maximum:,12:40:29  
,Date of Maximum:,12/12/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/12/2014,12:40:29,0.038  
12/12/2014,12:41:29,0.029  
12/12/2014,12:42:29,0.027  
12/12/2014,12:43:29,0.025  
12/12/2014,12:44:29,0.025  
12/12/2014,12:45:29,0.025  
12/12/2014,12:46:29,0.026  
12/12/2014,12:47:29,0.026  
12/12/2014,12:48:29,0.026  
12/12/2014,12:49:29,0.026  
12/12/2014,12:50:29,0.027  
12/12/2014,12:51:29,0.025  
12/12/2014,12:52:29,0.029  
12/12/2014,12:53:29,0.025  
12/12/2014,12:54:29,0.025

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_E  
Start Date:,12/12/2014  
Start Time:,13:58:16  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.031  
,Minimum:,0.018  
,Time of Minimum:,14:13:16  
,Date of Minimum:,12/12/2014  
,Maximum:,0.087  
,Time of Maximum:,13:59:16  
,Date of Maximum:,12/12/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/12/2014,13:59:16,0.087  
12/12/2014,14:00:16,0.029  
12/12/2014,14:01:16,0.025  
12/12/2014,14:02:16,0.024  
12/12/2014,14:03:16,0.047  
12/12/2014,14:04:16,0.022  
12/12/2014,14:05:16,0.035  
12/12/2014,14:06:16,0.051  
12/12/2014,14:07:16,0.022  
12/12/2014,14:08:16,0.022  
12/12/2014,14:09:16,0.021  
12/12/2014,14:10:16,0.020  
12/12/2014,14:11:16,0.020  
12/12/2014,14:12:16,0.020

12/12/2014,14:13:16,0.018

12-12-14 Downwind-2 Dust

14/12/12 08:17

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-913116  
 Unit Firmware Ver V1.20A  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 12/12/2014 08:17:11  
 End 12/12/2014 14:38:28  
 Sample Period(s) 900  
 Number of Records 25  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 5.000  
 Measurement Gas Isobutylene  
 Calibration Time 12/12/2014 07:45  
 Peak 0.231  
 Min 0.076  
 Average 0.175

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	12/12/2014 08:32:11	0.066	0.096	0.076	
002	12/12/2014 08:47:11	0.093	0.140	0.134	
003	12/12/2014 09:02:11	0.124	0.158	0.133	
004	12/12/2014 09:17:11	0.143	0.166	0.152	
005	12/12/2014 09:32:11	0.160	0.189	0.174	
006	12/12/2014 09:47:11	0.166	0.197	0.167	
007	12/12/2014 10:02:11	0.167	0.206	0.183	
008	12/12/2014 10:17:11	0.168	0.196	0.152	
009	12/12/2014 10:32:11	0.197	0.854	0.231	
010	12/12/2014 10:47:11	0.173	0.236	0.167	
011	12/12/2014 11:02:11	0.172	0.198	0.184	
012	12/12/2014 11:17:11	0.182	0.288	0.174	
013	12/12/2014 11:32:11	0.176	0.212	0.175	
014	12/12/2014 11:47:11	0.179	0.226	0.183	
015	12/12/2014 12:02:11	0.179	0.231	0.181	
016	12/12/2014 12:17:11	0.187	0.232	0.193	
017	12/12/2014 12:32:11	0.183	0.203	0.181	
018	12/12/2014 12:47:11	0.182	0.195	0.183	
019	12/12/2014 13:02:11	0.183	0.194	0.184	
020	12/12/2014 13:17:11	0.188	0.208	0.191	
021	12/12/2014 13:32:11	0.206	0.556	0.187	
022	12/12/2014 13:47:11	0.196	0.256	0.199	
023	12/12/2014 14:02:11	0.199	0.260	0.197	
024	12/12/2014 14:17:11	0.198	0.259	0.194	
025	12/12/2014 14:32:11	0.198	0.211	0.200	

12-12-14 Downwind-2 VOC.prs

Peak	0.206	0.854	0.231
Min	0.066	0.096	0.076
Average	0.171	0.247	0.175

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	12/12/2014 08:32:11	0.002	0.076
002	12/12/2014 08:47:11	0.007	0.134
003	12/12/2014 09:02:11	0.011	0.133
004	12/12/2014 09:17:11	0.015	0.152
005	12/12/2014 09:32:11	0.021	0.174
006	12/12/2014 09:47:11	0.026	0.167
007	12/12/2014 10:02:11	0.032	0.183
008	12/12/2014 10:17:11	0.037	0.152
009	12/12/2014 10:32:11	0.044	0.231
010	12/12/2014 10:47:11	0.049	0.167
011	12/12/2014 11:02:11	0.055	0.184
012	12/12/2014 11:17:11	0.060	0.174
013	12/12/2014 11:32:11	0.066	0.175
014	12/12/2014 11:47:11	0.071	0.183
015	12/12/2014 12:02:11	0.077	0.181
016	12/12/2014 12:17:11	0.083	0.193
017	12/12/2014 12:32:11	0.089	0.181
018	12/12/2014 12:47:11	0.094	0.183
019	12/12/2014 13:02:11	0.100	0.184
020	12/12/2014 13:17:11	0.106	0.191
021	12/12/2014 13:32:11	0.112	0.187
022	12/12/2014 13:47:11	0.118	0.199
023	12/12/2014 14:02:11	0.124	0.197
024	12/12/2014 14:17:11	0.130	0.194
025	12/12/2014 14:32:11	0.137	0.200

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,005  
Test Abbreviation:,MANUAL\_005  
Start Date:,12/12/2014  
Start Time:,08:03:29  
Duration (dd:hh:mm:ss):,0:06:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,25  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.018  
,Minimum:,0.009  
,Time of Minimum:,08:18:29  
,Date of Minimum:,12/12/2014  
,Maximum:,0.026  
,Time of Maximum:,13:48:29  
,Date of Maximum:,12/12/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/12/2014,08:18:29,0.009  
12/12/2014,08:33:29,0.010  
12/12/2014,08:48:29,0.010  
12/12/2014,09:03:29,0.011  
12/12/2014,09:18:29,0.011  
12/12/2014,09:33:29,0.011  
12/12/2014,09:48:29,0.011  
12/12/2014,10:03:29,0.012  
12/12/2014,10:18:29,0.012  
12/12/2014,10:33:29,0.014  
12/12/2014,10:48:29,0.019  
12/12/2014,11:03:29,0.021  
12/12/2014,11:18:29,0.020  
12/12/2014,11:33:29,0.021  
12/12/2014,11:48:29,0.024  
12/12/2014,12:03:29,0.024  
12/12/2014,12:18:29,0.025  
12/12/2014,12:33:29,0.024  
12/12/2014,12:48:29,0.024  
12/12/2014,13:03:29,0.024  
12/12/2014,13:18:29,0.023  
12/12/2014,13:33:29,0.025  
12/12/2014,13:48:29,0.026  
12/12/2014,14:03:29,0.026  
12/12/2014,14:18:29,0.017

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,12/15/2014  
Start Time:,08:12:23  
Duration (dd:hh:mm:ss):,0:06:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,25  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.054  
,Minimum:,0.035  
,Time of Minimum:,10:57:23  
,Date of Minimum:,12/15/2014  
,Maximum:,0.073  
,Time of Maximum:,09:27:23  
,Date of Maximum:,12/15/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/15/2014,08:27:23,0.057  
12/15/2014,08:42:23,0.063  
12/15/2014,08:57:23,0.063  
12/15/2014,09:12:23,0.066  
12/15/2014,09:27:23,0.073  
12/15/2014,09:42:23,0.071  
12/15/2014,09:57:23,0.067  
12/15/2014,10:12:23,0.062  
12/15/2014,10:27:23,0.042  
12/15/2014,10:42:23,0.038  
12/15/2014,10:57:23,0.035  
12/15/2014,11:12:23,0.036  
12/15/2014,11:27:23,0.039  
12/15/2014,11:42:23,0.041  
12/15/2014,11:57:23,0.047  
12/15/2014,12:12:23,0.054  
12/15/2014,12:27:23,0.049  
12/15/2014,12:42:23,0.051  
12/15/2014,12:57:23,0.051  
12/15/2014,13:12:23,0.052  
12/15/2014,13:27:23,0.053  
12/15/2014,13:42:23,0.054  
12/15/2014,13:57:23,0.054  
12/15/2014,14:12:23,0.059  
12/15/2014,14:27:23,0.064

12-15-14 Downwind-1 VOC

14/12/15 08:17

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907926  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 12/15/2014 08:17:10  
 End 12/15/2014 14:37:19  
 Sample Period(s) 900  
 Number of Records 25  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 12/15/2014 07:38  
 Peak 0.159  
 Min 0.020  
 Average 0.091  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	12/15/2014 08:32:10	0.038	0.113	0.020	
002	12/15/2014 08:47:10	0.039	0.092	0.055	
003	12/15/2014 09:02:10	0.098	0.164	0.072	
004	12/15/2014 09:17:10	0.084	0.176	0.159	
005	12/15/2014 09:32:10	0.101	0.172	0.118	
006	12/15/2014 09:47:10	0.089	0.128	0.088	
007	12/15/2014 10:02:10	0.092	0.133	0.083	
008	12/15/2014 10:17:10	0.103	0.133	0.088	
009	12/15/2014 10:32:10	0.089	0.104	0.093	
010	12/15/2014 10:47:10	0.080	0.110	0.076	
011	12/15/2014 11:02:10	0.074	0.082	0.073	
012	12/15/2014 11:17:10	0.085	0.100	0.080	
013	12/15/2014 11:32:10	0.091	0.109	0.093	
014	12/15/2014 11:47:10	0.088	0.104	0.089	
015	12/15/2014 12:02:10	0.094	0.105	0.098	
016	12/15/2014 12:17:10	0.096	0.113	0.090	
017	12/15/2014 12:32:10	0.089	0.093	0.091	
018	12/15/2014 12:47:10	0.096	0.112	0.093	
019	12/15/2014 13:02:10	0.098	0.111	0.098	
020	12/15/2014 13:17:10	0.098	0.105	0.099	
021	12/15/2014 13:32:10	0.103	0.123	0.098	
022	12/15/2014 13:47:10	0.102	0.125	0.102	
023	12/15/2014 14:02:10	0.107	0.116	0.104	
024	12/15/2014 14:17:10	0.104	0.146	0.103	
025	12/15/2014 14:32:10	0.102	0.112	0.100	

12-15-14 Downwind-1 VOC

Peak	0.107	0.176	0.159
Min	0.038	0.082	0.020
Average	0.090	0.119	0.091

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	12/15/2014 08:32:10	0.001	0.020
002	12/15/2014 08:47:10	0.002	0.055
003	12/15/2014 09:02:10	0.005	0.072
004	12/15/2014 09:17:10	0.010	0.159
005	12/15/2014 09:32:10	0.013	0.118
006	12/15/2014 09:47:10	0.016	0.088
007	12/15/2014 10:02:10	0.019	0.083
008	12/15/2014 10:17:10	0.021	0.088
009	12/15/2014 10:32:10	0.024	0.093
010	12/15/2014 10:47:10	0.027	0.076
011	12/15/2014 11:02:10	0.029	0.073
012	12/15/2014 11:17:10	0.031	0.080
013	12/15/2014 11:32:10	0.034	0.093
014	12/15/2014 11:47:10	0.037	0.089
015	12/15/2014 12:02:10	0.040	0.098
016	12/15/2014 12:17:10	0.043	0.090
017	12/15/2014 12:32:10	0.046	0.091
018	12/15/2014 12:47:10	0.049	0.093
019	12/15/2014 13:02:10	0.052	0.098
020	12/15/2014 13:17:10	0.055	0.099
021	12/15/2014 13:32:10	0.058	0.098
022	12/15/2014 13:47:10	0.061	0.102
023	12/15/2014 14:02:10	0.064	0.104
024	12/15/2014 14:17:10	0.068	0.103
025	12/15/2014 14:32:10	0.071	0.100



TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,12/15/2014  
Start Time:,08:12:49  
Duration (dd:hh:mm:ss):,0:06:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,25  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.047  
,Minimum:,0.031  
,Time of Minimum:,10:57:49  
,Date of Minimum:,12/15/2014  
,Maximum:,0.063  
,Time of Maximum:,09:27:49  
,Date of Maximum:,12/15/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/15/2014,08:27:49,0.052  
12/15/2014,08:42:49,0.055  
12/15/2014,08:57:49,0.056  
12/15/2014,09:12:49,0.057  
12/15/2014,09:27:49,0.063  
12/15/2014,09:42:49,0.060  
12/15/2014,09:57:49,0.057  
12/15/2014,10:12:49,0.046  
12/15/2014,10:27:49,0.034  
12/15/2014,10:42:49,0.033  
12/15/2014,10:57:49,0.031  
12/15/2014,11:12:49,0.032  
12/15/2014,11:27:49,0.034  
12/15/2014,11:42:49,0.037  
12/15/2014,11:57:49,0.043  
12/15/2014,12:12:49,0.048  
12/15/2014,12:27:49,0.044  
12/15/2014,12:42:49,0.047  
12/15/2014,12:57:49,0.046  
12/15/2014,13:12:49,0.046  
12/15/2014,13:27:49,0.048  
12/15/2014,13:42:49,0.048  
12/15/2014,13:57:49,0.048  
12/15/2014,14:12:49,0.054  
12/15/2014,14:27:49,0.056

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,12/15/2014  
Start Time:,08:12:50  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

12-15-14 Downwind-2 Dust

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.052  
,Minimum:,0.048  
,Time of Minimum:,08:19:50  
,Date of Minimum:,12/15/2014  
,Maximum:,0.059  
,Time of Maximum:,08:13:50  
,Date of Maximum:,12/15/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
12/15/2014,08:13:50,0.059  
12/15/2014,08:14:50,0.049  
12/15/2014,08:15:50,0.049  
12/15/2014,08:16:50,0.050  
12/15/2014,08:17:50,0.051  
12/15/2014,08:18:50,0.050  
12/15/2014,08:19:50,0.048  
12/15/2014,08:20:50,0.051  
12/15/2014,08:21:50,0.051  
12/15/2014,08:22:50,0.051  
12/15/2014,08:23:50,0.054  
12/15/2014,08:24:50,0.052  
12/15/2014,08:25:50,0.054  
12/15/2014,08:26:50,0.053  
12/15/2014,08:27:50,0.051

12-15-14 Downwind-2 VOC

14/12/15 08:22

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-913116  
 Unit Firmware Ver V1.20A  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 12/15/2014 08:22:00  
 End 12/15/2014 14:40:53  
 Sample Period(s) 900  
 Number of Records 25  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 5.000  
 Measurement Gas Isobutylene  
 Calibration Time 12/15/2014 07:41  
 Peak 0.178  
 Min 0.067  
 Average 0.121  
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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	12/15/2014 08:37:00	0.029	0.067	0.067	0.067
002	12/15/2014 08:52:00	0.085	0.116	0.070	0.070
003	12/15/2014 09:07:00	0.070	0.118	0.075	0.075
004	12/15/2014 09:22:00	0.121	0.210	0.099	0.099
005	12/15/2014 09:37:00	0.162	0.274	0.105	0.105
006	12/15/2014 09:52:00	0.129	0.182	0.116	0.116
007	12/15/2014 10:07:00	0.129	0.171	0.110	0.110
008	12/15/2014 10:22:00	0.117	0.212	0.131	0.131
009	12/15/2014 10:37:00	0.117	0.159	0.115	0.115
010	12/15/2014 10:52:00	0.112	0.144	0.117	0.117
011	12/15/2014 11:07:00	0.124	0.178	0.123	0.123
012	12/15/2014 11:22:00	0.130	0.175	0.114	0.114
013	12/15/2014 11:37:00	0.123	0.157	0.138	0.138
014	12/15/2014 11:52:00	0.125	0.154	0.107	0.107
015	12/15/2014 12:07:00	0.123	0.146	0.139	0.139
016	12/15/2014 12:22:00	0.128	0.149	0.130	0.130
017	12/15/2014 12:37:00	0.128	0.173	0.129	0.129
018	12/15/2014 12:52:00	0.135	0.177	0.131	0.131
019	12/15/2014 13:07:00	0.140	0.164	0.131	0.131
020	12/15/2014 13:22:00	0.140	0.186	0.138	0.138
021	12/15/2014 13:37:00	0.133	0.178	0.118	0.118
022	12/15/2014 13:52:00	0.152	0.201	0.140	0.140
023	12/15/2014 14:07:00	0.153	0.209	0.147	0.147
024	12/15/2014 14:22:00	0.175	0.230	0.178	0.178
025	12/15/2014 14:37:00	0.149	0.185	0.166	0.166

12-15-14 Downwind-2 VOC

Peak	0.175	0.274	0.178
Min	0.029	0.067	0.067
Average	0.125	0.173	0.121

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	12/15/2014 08:37:00	0.002	0.067
002	12/15/2014 08:52:00	0.004	0.070
003	12/15/2014 09:07:00	0.007	0.075
004	12/15/2014 09:22:00	0.010	0.099
005	12/15/2014 09:37:00	0.013	0.105
006	12/15/2014 09:52:00	0.017	0.116
007	12/15/2014 10:07:00	0.020	0.110
008	12/15/2014 10:22:00	0.024	0.131
009	12/15/2014 10:37:00	0.028	0.115
010	12/15/2014 10:52:00	0.031	0.117
011	12/15/2014 11:07:00	0.035	0.123
012	12/15/2014 11:22:00	0.039	0.114
013	12/15/2014 11:37:00	0.043	0.138
014	12/15/2014 11:52:00	0.046	0.107
015	12/15/2014 12:07:00	0.051	0.139
016	12/15/2014 12:22:00	0.055	0.130
017	12/15/2014 12:37:00	0.059	0.129
018	12/15/2014 12:52:00	0.063	0.131
019	12/15/2014 13:07:00	0.067	0.131
020	12/15/2014 13:22:00	0.071	0.138
021	12/15/2014 13:37:00	0.075	0.118
022	12/15/2014 13:52:00	0.079	0.140
023	12/15/2014 14:07:00	0.084	0.147
024	12/15/2014 14:22:00	0.090	0.178
025	12/15/2014 14:37:00	0.095	0.166

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,12/15/2014  
Start Time:,08:00:10  
Duration (dd:hh:mm:ss):,0:06:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,25  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.054  
,Minimum:,0.034  
,Time of Minimum:,11:00:10  
,Date of Minimum:,12/15/2014  
,Maximum:,0.074  
,Time of Maximum:,09:15:10  
,Date of Maximum:,12/15/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/15/2014,08:15:10,0.058  
12/15/2014,08:30:10,0.062  
12/15/2014,08:45:10,0.064  
12/15/2014,09:00:10,0.065  
12/15/2014,09:15:10,0.074  
12/15/2014,09:30:10,0.072  
12/15/2014,09:45:10,0.070  
12/15/2014,10:00:10,0.062  
12/15/2014,10:15:10,0.045  
12/15/2014,10:30:10,0.037  
12/15/2014,10:45:10,0.035  
12/15/2014,11:00:10,0.034  
12/15/2014,11:15:10,0.036  
12/15/2014,11:30:10,0.040  
12/15/2014,11:45:10,0.045  
12/15/2014,12:00:10,0.052  
12/15/2014,12:15:10,0.054  
12/15/2014,12:30:10,0.053  
12/15/2014,12:45:10,0.054  
12/15/2014,13:00:10,0.054  
12/15/2014,13:15:10,0.055  
12/15/2014,13:30:10,0.057  
12/15/2014,13:45:10,0.056  
12/15/2014,14:00:10,0.058  
12/15/2014,14:15:10,0.063

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,12/15/2014  
Start Time:,08:00:11  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

12-15-14 Upwind Dust

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.058  
,Minimum:,0.053  
,Time of Minimum:,08:05:11  
,Date of Minimum:,12/15/2014  
,Maximum:,0.062  
,Time of Maximum:,08:01:11  
,Date of Maximum:,12/15/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
12/15/2014,08:01:11,0.062  
12/15/2014,08:02:11,0.056  
12/15/2014,08:03:11,0.055  
12/15/2014,08:04:11,0.054  
12/15/2014,08:05:11,0.053  
12/15/2014,08:06:11,0.055  
12/15/2014,08:07:11,0.057  
12/15/2014,08:08:11,0.058  
12/15/2014,08:09:11,0.059  
12/15/2014,08:10:11,0.059  
12/15/2014,08:11:11,0.059  
12/15/2014,08:12:11,0.059  
12/15/2014,08:13:11,0.060  
12/15/2014,08:14:11,0.060  
12/15/2014,08:15:11,0.060

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,12/16/2014  
Start Time:,08:20:40  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.058  
,Minimum:,0.036  
,Time of Minimum:,08:35:40  
,Date of Minimum:,12/16/2014  
,Maximum:,0.111  
,Time of Maximum:,15:50:40  
,Date of Maximum:,12/16/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/16/2014,08:35:40,0.036  
12/16/2014,08:50:40,0.039  
12/16/2014,09:05:40,0.043  
12/16/2014,09:20:40,0.045  
12/16/2014,09:35:40,0.046  
12/16/2014,09:50:40,0.049  
12/16/2014,10:05:40,0.051  
12/16/2014,10:20:40,0.053  
12/16/2014,10:35:40,0.054  
12/16/2014,10:50:40,0.055  
12/16/2014,11:05:40,0.057  
12/16/2014,11:20:40,0.057  
12/16/2014,11:35:40,0.063  
12/16/2014,11:50:40,0.069  
12/16/2014,12:05:40,0.067  
12/16/2014,12:20:40,0.061  
12/16/2014,12:35:40,0.063  
12/16/2014,12:50:40,0.061  
12/16/2014,13:05:40,0.058  
12/16/2014,13:20:40,0.060  
12/16/2014,13:35:40,0.060  
12/16/2014,13:50:40,0.059  
12/16/2014,14:05:40,0.058  
12/16/2014,14:20:40,0.060  
12/16/2014,14:35:40,0.058  
12/16/2014,14:50:40,0.058  
12/16/2014,15:05:40,0.061  
12/16/2014,15:20:40,0.067  
12/16/2014,15:35:40,0.071  
12/16/2014,15:50:40,0.111

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_A  
Start Date:,12/16/2014  
Start Time:,11:38:31

12-16-14 Downwind-1 Dust

Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.065  
,Minimum:,0.059  
,Time of Minimum:,11:47:31  
,Date of Minimum:,12/16/2014  
,Maximum:,0.083  
,Time of Maximum:,11:39:31  
,Date of Maximum:,12/16/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/16/2014,11:39:31,0.083  
12/16/2014,11:40:31,0.060  
12/16/2014,11:41:31,0.067  
12/16/2014,11:42:31,0.065  
12/16/2014,11:43:31,0.069  
12/16/2014,11:44:31,0.070  
12/16/2014,11:45:31,0.071  
12/16/2014,11:46:31,0.063  
12/16/2014,11:47:31,0.059  
12/16/2014,11:48:31,0.059  
12/16/2014,11:49:31,0.061  
12/16/2014,11:50:31,0.064  
12/16/2014,11:51:31,0.063  
12/16/2014,11:52:31,0.063  
12/16/2014,11:53:31,0.063

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_B  
Start Date:,12/16/2014  
Start Time:,12:34:22  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.063  
,Minimum:,0.056  
,Time of Minimum:,12:41:22  
,Date of Minimum:,12/16/2014  
,Maximum:,0.089  
,Time of Maximum:,12:35:22  
,Date of Maximum:,12/16/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/16/2014,12:35:22,0.089  
12/16/2014,12:36:22,0.059  
12/16/2014,12:37:22,0.058  
12/16/2014,12:38:22,0.059



12-16-14 Downwind-1 Dust

12/16/2014,12:39:22,0.057  
12/16/2014,12:40:22,0.057  
12/16/2014,12:41:22,0.056  
12/16/2014,12:42:22,0.059  
12/16/2014,12:43:22,0.075  
12/16/2014,12:44:22,0.079  
12/16/2014,12:45:22,0.065  
12/16/2014,12:46:22,0.059  
12/16/2014,12:47:22,0.058  
12/16/2014,12:48:22,0.063  
12/16/2014,12:49:22,0.057

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_C  
Start Date:,12/16/2014  
Start Time:,15:20:47  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.070  
,Minimum:,0.054  
,Time of Minimum:,15:23:47  
,Date of Minimum:,12/16/2014  
,Maximum:,0.114  
,Time of Maximum:,15:21:47  
,Date of Maximum:,12/16/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/16/2014,15:21:47,0.114  
12/16/2014,15:22:47,0.057  
12/16/2014,15:23:47,0.054  
12/16/2014,15:24:47,0.055  
12/16/2014,15:25:47,0.058  
12/16/2014,15:26:47,0.061  
12/16/2014,15:27:47,0.062  
12/16/2014,15:28:47,0.087  
12/16/2014,15:29:47,0.063  
12/16/2014,15:30:47,0.071  
12/16/2014,15:31:47,0.095  
12/16/2014,15:32:47,0.081  
12/16/2014,15:33:47,0.071  
12/16/2014,15:34:47,0.061  
12/16/2014,15:35:47,0.060

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_D  
Start Date:,12/16/2014  
Start Time:,15:36:40  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

12-16-14 Downwind-1 Dust

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.114  
,Minimum:,0.065  
,Time of Minimum:,15:39:40  
,Date of Minimum:,12/16/2014  
,Maximum:,0.211  
,Time of Maximum:,15:50:40  
,Date of Maximum:,12/16/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/16/2014,15:37:40,0.095  
12/16/2014,15:38:40,0.086  
12/16/2014,15:39:40,0.065  
12/16/2014,15:40:40,0.079  
12/16/2014,15:41:40,0.072  
12/16/2014,15:42:40,0.067  
12/16/2014,15:43:40,0.115  
12/16/2014,15:44:40,0.114  
12/16/2014,15:45:40,0.160  
12/16/2014,15:46:40,0.186  
12/16/2014,15:47:40,0.118  
12/16/2014,15:48:40,0.075  
12/16/2014,15:49:40,0.129  
12/16/2014,15:50:40,0.211  
12/16/2014,15:51:40,0.132

12-16-14 Downwind-1 VOC

14/12/16 08:25

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907926  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 12/16/2014 08:25:44  
 End 12/16/2014 15:57:17  
 Sample Period(s) 900  
 Number of Records 30  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 12/16/2014 07:54  
 Peak 0.269  
 Min 0.109  
 Average 0.194  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	12/16/2014 08:40:44	0.105	0.141	0.109	
002	12/16/2014 08:55:44	0.110	0.119	0.115	
003	12/16/2014 09:10:44	0.123	0.134	0.123	
004	12/16/2014 09:25:44	0.125	0.131	0.129	
005	12/16/2014 09:40:44	0.131	0.136	0.136	
006	12/16/2014 09:55:44	0.135	0.139	0.138	
007	12/16/2014 10:10:44	0.139	0.143	0.139	
008	12/16/2014 10:25:44	0.144	0.149	0.148	
009	12/16/2014 10:40:44	0.157	0.175	0.156	
010	12/16/2014 10:55:44	0.157	0.170	0.164	
011	12/16/2014 11:10:44	0.168	0.178	0.169	
012	12/16/2014 11:25:44	0.170	0.175	0.173	
013	12/16/2014 11:40:44	0.177	0.184	0.184	
014	12/16/2014 11:55:44	0.186	0.195	0.192	
015	12/16/2014 12:10:44	0.194	0.199	0.198	
016	12/16/2014 12:25:44	0.204	0.219	0.210	
017	12/16/2014 12:40:44	0.207	0.215	0.211	
018	12/16/2014 12:55:44	0.209	0.214	0.212	
019	12/16/2014 13:10:44	0.213	0.219	0.216	
020	12/16/2014 13:25:44	0.216	0.228	0.215	
021	12/16/2014 13:40:44	0.221	0.235	0.222	
022	12/16/2014 13:55:44	0.225	0.231	0.228	
023	12/16/2014 14:10:44	0.230	0.235	0.232	
024	12/16/2014 14:25:44	0.240	0.257	0.243	
025	12/16/2014 14:40:44	0.247	0.256	0.254	

12-16-14 Downwind-1 VOC

026	12/16/2014	14:55:44	0.251	0.256	0.248
027	12/16/2014	15:10:44	0.254	0.274	0.263
028	12/16/2014	15:25:44	0.257	0.272	0.251
029	12/16/2014	15:40:44	0.266	0.279	0.269
030	12/16/2014	15:55:44	0.262	0.271	0.268
Peak			0.266	0.279	0.269
Min			0.105	0.119	0.109
Average			0.191	0.201	0.194

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	12/16/2014 08:40:44	0.003	0.109
002	12/16/2014 08:55:44	0.007	0.115
003	12/16/2014 09:10:44	0.011	0.123
004	12/16/2014 09:25:44	0.015	0.129
005	12/16/2014 09:40:44	0.019	0.136
006	12/16/2014 09:55:44	0.023	0.138
007	12/16/2014 10:10:44	0.028	0.139
008	12/16/2014 10:25:44	0.032	0.148
009	12/16/2014 10:40:44	0.037	0.156
010	12/16/2014 10:55:44	0.042	0.164
011	12/16/2014 11:10:44	0.048	0.169
012	12/16/2014 11:25:44	0.053	0.173
013	12/16/2014 11:40:44	0.059	0.184
014	12/16/2014 11:55:44	0.065	0.192
015	12/16/2014 12:10:44	0.071	0.198
016	12/16/2014 12:25:44	0.078	0.210
017	12/16/2014 12:40:44	0.084	0.211
018	12/16/2014 12:55:44	0.091	0.212
019	12/16/2014 13:10:44	0.098	0.216
020	12/16/2014 13:25:44	0.104	0.215
021	12/16/2014 13:40:44	0.111	0.222
022	12/16/2014 13:55:44	0.118	0.228
023	12/16/2014 14:10:44	0.126	0.232
024	12/16/2014 14:25:44	0.133	0.243
025	12/16/2014 14:40:44	0.141	0.254
026	12/16/2014 14:55:44	0.149	0.248
027	12/16/2014 15:10:44	0.157	0.263
028	12/16/2014 15:25:44	0.165	0.251
029	12/16/2014 15:40:44	0.173	0.269
030	12/16/2014 15:55:44	0.182	0.268

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,12/16/2014  
Start Time:,08:04:50  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.049  
,Minimum:,0.032  
,Time of Minimum:,08:19:50  
,Date of Minimum:,12/16/2014  
,Maximum:,0.054  
,Time of Maximum:,15:49:50  
,Date of Maximum:,12/16/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/16/2014,08:19:50,0.032  
12/16/2014,08:34:50,0.033  
12/16/2014,08:49:50,0.038  
12/16/2014,09:04:50,0.041  
12/16/2014,09:19:50,0.042  
12/16/2014,09:34:50,0.044  
12/16/2014,09:49:50,0.046  
12/16/2014,10:04:50,0.048  
12/16/2014,10:19:50,0.049  
12/16/2014,10:34:50,0.052  
12/16/2014,10:49:50,0.053  
12/16/2014,11:04:50,0.047  
12/16/2014,11:19:50,0.052  
12/16/2014,11:34:50,0.052  
12/16/2014,11:49:50,0.051  
12/16/2014,12:04:50,0.053  
12/16/2014,12:19:50,0.053  
12/16/2014,12:34:50,0.053  
12/16/2014,12:49:50,0.052  
12/16/2014,13:04:50,0.053  
12/16/2014,13:19:50,0.053  
12/16/2014,13:34:50,0.053  
12/16/2014,13:49:50,0.052  
12/16/2014,14:04:50,0.051  
12/16/2014,14:19:50,0.052  
12/16/2014,14:34:50,0.052  
12/16/2014,14:49:50,0.051  
12/16/2014,15:04:50,0.052  
12/16/2014,15:19:50,0.052  
12/16/2014,15:34:50,0.053  
12/16/2014,15:49:50,0.054

12-16-14 Downwind-2 VOC

14/12/16 08:14

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-913116  
 Unit Firmware Ver V1.20A  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 12/16/2014 08:14:23  
 End 12/16/2014 16:01:47  
 Sample Period(s) 900  
 Number of Records 31  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 5.000  
 Measurement Gas Isobutylene  
 Calibration Time 12/16/2014 07:53  
 Peak 0.230  
 Min 0.078  
 Average 0.168  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	12/16/2014 08:29:23	0.077	0.145	0.078	
002	12/16/2014 08:44:23	0.083	0.090	0.090	
003	12/16/2014 08:59:23	0.095	0.099	0.098	
004	12/16/2014 09:14:23	0.099	0.105	0.104	
005	12/16/2014 09:29:23	0.112	0.133	0.114	
006	12/16/2014 09:44:23	0.119	0.138	0.119	
007	12/16/2014 09:59:23	0.122	0.136	0.130	
008	12/16/2014 10:14:23	0.126	0.140	0.130	
009	12/16/2014 10:29:23	0.130	0.151	0.131	
010	12/16/2014 10:44:23	0.134	0.154	0.133	
011	12/16/2014 10:59:23	0.140	0.177	0.157	
012	12/16/2014 11:14:23	0.159	0.200	0.156	
013	12/16/2014 11:29:23	0.150	0.178	0.140	
014	12/16/2014 11:44:23	0.166	0.213	0.208	
015	12/16/2014 11:59:23	0.165	0.208	0.181	
016	12/16/2014 12:14:23	0.168	0.196	0.191	
017	12/16/2014 12:29:23	0.172	0.202	0.156	
018	12/16/2014 12:44:23	0.175	0.195	0.190	
019	12/16/2014 12:59:23	0.179	0.201	0.190	
020	12/16/2014 13:14:23	0.185	0.209	0.185	
021	12/16/2014 13:29:23	0.187	0.207	0.179	
022	12/16/2014 13:44:23	0.190	0.209	0.200	
023	12/16/2014 13:59:23	0.195	0.215	0.202	
024	12/16/2014 14:14:23	0.200	0.221	0.209	
025	12/16/2014 14:29:23	0.205	0.226	0.217	

12-16-14 Downwind-2 VOC

026	12/16/2014	14:44:23	0.211	0.233	0.230
027	12/16/2014	14:59:23	0.209	0.238	0.204
028	12/16/2014	15:14:23	0.205	0.234	0.219
029	12/16/2014	15:29:23	0.207	0.234	0.220
030	12/16/2014	15:44:23	0.219	0.240	0.215
031	12/16/2014	15:59:23	0.218	0.224	0.217
Peak			0.219	0.240	0.230
Min			0.077	0.090	0.078
Average			0.161	0.186	0.168

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	12/16/2014 08:29:23	0.002	0.078
002	12/16/2014 08:44:23	0.005	0.090
003	12/16/2014 08:59:23	0.008	0.098
004	12/16/2014 09:14:23	0.012	0.104
005	12/16/2014 09:29:23	0.015	0.114
006	12/16/2014 09:44:23	0.019	0.119
007	12/16/2014 09:59:23	0.023	0.130
008	12/16/2014 10:14:23	0.027	0.130
009	12/16/2014 10:29:23	0.031	0.131
010	12/16/2014 10:44:23	0.035	0.133
011	12/16/2014 10:59:23	0.040	0.157
012	12/16/2014 11:14:23	0.045	0.156
013	12/16/2014 11:29:23	0.049	0.140
014	12/16/2014 11:44:23	0.056	0.208
015	12/16/2014 11:59:23	0.062	0.181
016	12/16/2014 12:14:23	0.068	0.191
017	12/16/2014 12:29:23	0.072	0.156
018	12/16/2014 12:44:23	0.078	0.190
019	12/16/2014 12:59:23	0.084	0.190
020	12/16/2014 13:14:23	0.090	0.185
021	12/16/2014 13:29:23	0.096	0.179
022	12/16/2014 13:44:23	0.102	0.200
023	12/16/2014 13:59:23	0.108	0.202
024	12/16/2014 14:14:23	0.115	0.209
025	12/16/2014 14:29:23	0.122	0.217
026	12/16/2014 14:44:23	0.129	0.230
027	12/16/2014 14:59:23	0.135	0.204
028	12/16/2014 15:14:23	0.142	0.219
029	12/16/2014 15:29:23	0.149	0.220
030	12/16/2014 15:44:23	0.156	0.215
031	12/16/2014 15:59:23	0.162	0.217

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,12/16/2014  
Start Time:,08:00:22  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.054  
,Minimum:,0.033  
,Time of Minimum:,08:15:22  
,Date of Minimum:,12/16/2014  
,Maximum:,0.061  
,Time of Maximum:,11:45:22  
,Date of Maximum:,12/16/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/16/2014,08:15:22,0.033  
12/16/2014,08:30:22,0.035  
12/16/2014,08:45:22,0.038  
12/16/2014,09:00:22,0.046  
12/16/2014,09:15:22,0.047  
12/16/2014,09:30:22,0.049  
12/16/2014,09:45:22,0.048  
12/16/2014,10:00:22,0.051  
12/16/2014,10:15:22,0.052  
12/16/2014,10:30:22,0.054  
12/16/2014,10:45:22,0.056  
12/16/2014,11:00:22,0.057  
12/16/2014,11:15:22,0.057  
12/16/2014,11:30:22,0.056  
12/16/2014,11:45:22,0.061  
12/16/2014,12:00:22,0.061  
12/16/2014,12:15:22,0.058  
12/16/2014,12:30:22,0.058  
12/16/2014,12:45:22,0.058  
12/16/2014,13:00:22,0.059  
12/16/2014,13:15:22,0.059  
12/16/2014,13:30:22,0.058  
12/16/2014,13:45:22,0.057  
12/16/2014,14:00:22,0.057  
12/16/2014,14:15:22,0.059  
12/16/2014,14:30:22,0.058  
12/16/2014,14:45:22,0.059  
12/16/2014,15:00:22,0.059  
12/16/2014,15:15:22,0.058  
12/16/2014,15:30:22,0.058

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_A  
Start Date:,12/16/2014  
Start Time:,11:39:32



12-16-14 Upwind Dust

Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.064  
,Minimum:,0.057  
,Time of Minimum:,11:42:32  
,Date of Minimum:,12/16/2014  
,Maximum:,0.092  
,Time of Maximum:,11:40:32  
,Date of Maximum:,12/16/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/16/2014,11:40:32,0.092  
12/16/2014,11:41:32,0.058  
12/16/2014,11:42:32,0.057  
12/16/2014,11:43:32,0.058  
12/16/2014,11:44:32,0.059  
12/16/2014,11:45:32,0.064  
12/16/2014,11:46:32,0.065  
12/16/2014,11:47:32,0.063  
12/16/2014,11:48:32,0.061  
12/16/2014,11:49:32,0.059  
12/16/2014,11:50:32,0.059  
12/16/2014,11:51:32,0.073  
12/16/2014,11:52:32,0.072  
12/16/2014,11:53:32,0.059  
12/16/2014,11:54:32,0.058

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_B  
Start Date:,12/16/2014  
Start Time:,13:38:15  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.057  
,Minimum:,0.055  
,Time of Minimum:,13:53:15  
,Date of Minimum:,12/16/2014  
,Maximum:,0.060  
,Time of Maximum:,13:39:15  
,Date of Maximum:,12/16/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/16/2014,13:39:15,0.060  
12/16/2014,13:40:15,0.056  
12/16/2014,13:41:15,0.057  
12/16/2014,13:42:15,0.057

12-16-14 Upwind Dust

12/16/2014,13:43:15,0.058  
12/16/2014,13:44:15,0.058  
12/16/2014,13:45:15,0.057  
12/16/2014,13:46:15,0.058  
12/16/2014,13:47:15,0.057  
12/16/2014,13:48:15,0.057  
12/16/2014,13:49:15,0.057  
12/16/2014,13:50:15,0.057  
12/16/2014,13:51:15,0.056  
12/16/2014,13:52:15,0.056  
12/16/2014,13:53:15,0.055

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,12/17/2014  
Start Time:,08:09:10  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.019  
,Minimum:,0.006  
,Time of Minimum:,08:54:10  
,Date of Minimum:,12/17/2014  
,Maximum:,0.048  
,Time of Maximum:,14:24:10  
,Date of Maximum:,12/17/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/17/2014,08:24:10,0.013  
12/17/2014,08:39:10,0.008  
12/17/2014,08:54:10,0.006  
12/17/2014,09:09:10,0.006  
12/17/2014,09:24:10,0.007  
12/17/2014,09:39:10,0.009  
12/17/2014,09:54:10,0.010  
12/17/2014,10:09:10,0.011  
12/17/2014,10:24:10,0.011  
12/17/2014,10:39:10,0.011  
12/17/2014,10:54:10,0.012  
12/17/2014,11:09:10,0.014  
12/17/2014,11:24:10,0.015  
12/17/2014,11:39:10,0.016  
12/17/2014,11:54:10,0.016  
12/17/2014,12:09:10,0.018  
12/17/2014,12:24:10,0.031  
12/17/2014,12:39:10,0.025  
12/17/2014,12:54:10,0.024  
12/17/2014,13:09:10,0.020  
12/17/2014,13:24:10,0.024  
12/17/2014,13:39:10,0.026  
12/17/2014,13:54:10,0.029  
12/17/2014,14:09:10,0.032  
12/17/2014,14:24:10,0.048  
12/17/2014,14:39:10,0.033  
12/17/2014,14:54:10,0.026  
12/17/2014,15:09:10,0.022  
12/17/2014,15:24:10,0.020  
12/17/2014,15:39:10,0.024

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_A  
Start Date:,12/17/2014  
Start Time:,12:24:04

12-17-14 Downwind-1 Dust

Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.027  
,Minimum:,0.018  
,Time of Minimum:,12:28:04  
,Date of Minimum:,12/17/2014  
,Maximum:,0.091  
,Time of Maximum:,12:25:04  
,Date of Maximum:,12/17/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/17/2014,12:25:04,0.091  
12/17/2014,12:26:04,0.024  
12/17/2014,12:27:04,0.060  
12/17/2014,12:28:04,0.018  
12/17/2014,12:29:04,0.018  
12/17/2014,12:30:04,0.024  
12/17/2014,12:31:04,0.020  
12/17/2014,12:32:04,0.021  
12/17/2014,12:33:04,0.018  
12/17/2014,12:34:04,0.018  
12/17/2014,12:35:04,0.018  
12/17/2014,12:36:04,0.020  
12/17/2014,12:37:04,0.019  
12/17/2014,12:38:04,0.019  
12/17/2014,12:39:04,0.019

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_B  
Start Date:,12/17/2014  
Start Time:,12:39:44  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.024  
,Minimum:,0.017  
,Time of Minimum:,12:48:44  
,Date of Minimum:,12/17/2014  
,Maximum:,0.075  
,Time of Maximum:,12:40:44  
,Date of Maximum:,12/17/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/17/2014,12:40:44,0.075  
12/17/2014,12:41:44,0.036  
12/17/2014,12:42:44,0.022  
12/17/2014,12:43:44,0.019

12-17-14 Downwind-1 Dust

12/17/2014,12:44:44,0.019  
12/17/2014,12:45:44,0.018  
12/17/2014,12:46:44,0.018  
12/17/2014,12:47:44,0.018  
12/17/2014,12:48:44,0.017  
12/17/2014,12:49:44,0.018  
12/17/2014,12:50:44,0.018  
12/17/2014,12:51:44,0.017  
12/17/2014,12:52:44,0.020  
12/17/2014,12:53:44,0.021  
12/17/2014,12:54:44,0.021

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_C  
Start Date:,12/17/2014  
Start Time:,14:03:23  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.046  
,Minimum:,0.025  
,Time of Minimum:,14:08:23  
,Date of Minimum:,12/17/2014  
,Maximum:,0.168  
,Time of Maximum:,14:10:23  
,Date of Maximum:,12/17/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/17/2014,14:04:23,0.052  
12/17/2014,14:05:23,0.027  
12/17/2014,14:06:23,0.029  
12/17/2014,14:07:23,0.028  
12/17/2014,14:08:23,0.025  
12/17/2014,14:09:23,0.029  
12/17/2014,14:10:23,0.168  
12/17/2014,14:11:23,0.123  
12/17/2014,14:12:23,0.043  
12/17/2014,14:13:23,0.026  
12/17/2014,14:14:23,0.031  
12/17/2014,14:15:23,0.030  
12/17/2014,14:16:23,0.027  
12/17/2014,14:17:23,0.027  
12/17/2014,14:18:23,0.028

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_D  
Start Date:,12/17/2014  
Start Time:,14:22:56  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

12-17-14 Downwind-1 Dust

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.036  
,Minimum:,0.020  
,Time of Minimum:,14:35:56  
,Date of Minimum:,12/17/2014  
,Maximum:,0.069  
,Time of Maximum:,14:23:56  
,Date of Maximum:,12/17/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
12/17/2014,14:23:56,0.069  
12/17/2014,14:24:56,0.052  
12/17/2014,14:25:56,0.049  
12/17/2014,14:26:56,0.024  
12/17/2014,14:27:56,0.024  
12/17/2014,14:28:56,0.032  
12/17/2014,14:29:56,0.031  
12/17/2014,14:30:56,0.034  
12/17/2014,14:31:56,0.022  
12/17/2014,14:32:56,0.059  
12/17/2014,14:33:56,0.054  
12/17/2014,14:34:56,0.022  
12/17/2014,14:35:56,0.020  
12/17/2014,14:36:56,0.021  
12/17/2014,14:37:56,0.027

12-17-14 Downwind-1 VOC

14/12/17 08:14

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907926  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 12/17/2014 08:14:19  
 End 12/17/2014 15:49:08  
 Sample Period(s) 900  
 Number of Records 30  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 12/17/2014 07:53  
 Peak 0.236  
 Min 0.105  
 Average 0.190  
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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	12/17/2014 08:29:19	0.119	0.188	0.110	
002	12/17/2014 08:44:19	0.102	0.111	0.105	
003	12/17/2014 08:59:19	0.112	0.122	0.121	
004	12/17/2014 09:14:19	0.129	0.139	0.138	
005	12/17/2014 09:29:19	0.143	0.153	0.150	
006	12/17/2014 09:44:19	0.153	0.160	0.156	
007	12/17/2014 09:59:19	0.160	0.173	0.161	
008	12/17/2014 10:14:19	0.164	0.171	0.168	
009	12/17/2014 10:29:19	0.170	0.176	0.173	
010	12/17/2014 10:44:19	0.175	0.188	0.176	
011	12/17/2014 10:59:19	0.180	0.189	0.185	
012	12/17/2014 11:14:19	0.182	0.188	0.185	
013	12/17/2014 11:29:19	0.186	0.193	0.193	
014	12/17/2014 11:44:19	0.193	0.228	0.195	
015	12/17/2014 11:59:19	0.193	0.199	0.197	
016	12/17/2014 12:14:19	0.199	0.210	0.199	
017	12/17/2014 12:29:19	0.209	0.320	0.236	
018	12/17/2014 12:44:19	0.208	0.248	0.210	
019	12/17/2014 12:59:19	0.209	0.238	0.211	
020	12/17/2014 13:14:19	0.211	0.233	0.210	
021	12/17/2014 13:29:19	0.219	0.306	0.222	
022	12/17/2014 13:44:19	0.212	0.259	0.211	
023	12/17/2014 13:59:19	0.218	0.255	0.229	
024	12/17/2014 14:14:19	0.227	0.307	0.221	
025	12/17/2014 14:29:19	0.224	0.285	0.218	

12-17-14 Downwind-1 VOC

026	12/17/2014	14:44:19	0.219	0.243	0.218
027	12/17/2014	14:59:19	0.223	0.290	0.228
028	12/17/2014	15:14:19	0.223	0.313	0.221
029	12/17/2014	15:29:19	0.225	0.279	0.221
030	12/17/2014	15:44:19	0.224	0.252	0.230
Peak			0.227	0.320	0.236
Min			0.102	0.111	0.105
Average			0.187	0.221	0.190

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TWA/STEL

Index	Date/Time	VOC(ppm)	
		(TWA)	(STEL)
001	12/17/2014 08:29:19	0.003	0.110
002	12/17/2014 08:44:19	0.007	0.105
003	12/17/2014 08:59:19	0.010	0.121
004	12/17/2014 09:14:19	0.015	0.138
005	12/17/2014 09:29:19	0.020	0.150
006	12/17/2014 09:44:19	0.024	0.156
007	12/17/2014 09:59:19	0.029	0.161
008	12/17/2014 10:14:19	0.035	0.168
009	12/17/2014 10:29:19	0.040	0.173
010	12/17/2014 10:44:19	0.046	0.176
011	12/17/2014 10:59:19	0.051	0.185
012	12/17/2014 11:14:19	0.057	0.185
013	12/17/2014 11:29:19	0.063	0.193
014	12/17/2014 11:44:19	0.069	0.195
015	12/17/2014 11:59:19	0.075	0.197
016	12/17/2014 12:14:19	0.082	0.199
017	12/17/2014 12:29:19	0.089	0.236
018	12/17/2014 12:44:19	0.096	0.210
019	12/17/2014 12:59:19	0.102	0.211
020	12/17/2014 13:14:19	0.109	0.210
021	12/17/2014 13:29:19	0.116	0.222
022	12/17/2014 13:44:19	0.122	0.211
023	12/17/2014 13:59:19	0.129	0.229
024	12/17/2014 14:14:19	0.136	0.221
025	12/17/2014 14:29:19	0.143	0.218
026	12/17/2014 14:44:19	0.150	0.218
027	12/17/2014 14:59:19	0.157	0.228
028	12/17/2014 15:14:19	0.164	0.221
029	12/17/2014 15:29:19	0.171	0.221
030	12/17/2014 15:44:19	0.178	0.230



TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,12/17/2014  
Start Time:,07:58:36  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.028  
,Minimum:,0.012  
,Time of Minimum:,08:13:36  
,Date of Minimum:,12/17/2014  
,Maximum:,0.086  
,Time of Maximum:,11:13:36  
,Date of Maximum:,12/17/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/17/2014,08:13:36,0.012  
12/17/2014,08:28:36,0.016  
12/17/2014,08:43:36,0.042  
12/17/2014,08:58:36,0.066  
12/17/2014,09:13:36,0.056  
12/17/2014,09:28:36,0.049  
12/17/2014,09:43:36,0.038  
12/17/2014,09:58:36,0.075  
12/17/2014,10:13:36,0.036  
12/17/2014,10:28:36,0.012  
12/17/2014,10:43:36,0.013  
12/17/2014,10:58:36,0.018  
12/17/2014,11:13:36,0.086  
12/17/2014,11:28:36,0.032  
12/17/2014,11:43:36,0.015  
12/17/2014,11:58:36,0.016  
12/17/2014,12:13:36,0.018  
12/17/2014,12:28:36,0.018  
12/17/2014,12:43:36,0.016  
12/17/2014,12:58:36,0.017  
12/17/2014,13:13:36,0.020  
12/17/2014,13:28:36,0.022  
12/17/2014,13:43:36,0.023  
12/17/2014,13:58:36,0.026  
12/17/2014,14:13:36,0.022  
12/17/2014,14:28:36,0.022  
12/17/2014,14:43:36,0.018  
12/17/2014,14:58:36,0.019  
12/17/2014,15:13:36,0.017  
12/17/2014,15:28:36,0.017  
12/17/2014,15:43:36,0.015

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_A  
Start Date:,12/17/2014

12-17-14 Downwind-2 Dust

Start Time:,08:41:20  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.087  
,Minimum:,0.007  
,Time of Minimum:,08:47:20  
,Date of Minimum:,12/17/2014  
,Maximum:,0.252  
,Time of Maximum:,08:43:20  
,Date of Maximum:,12/17/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/17/2014,08:42:20,0.172  
12/17/2014,08:43:20,0.252  
12/17/2014,08:44:20,0.022  
12/17/2014,08:45:20,0.016  
12/17/2014,08:46:20,0.011  
12/17/2014,08:47:20,0.007  
12/17/2014,08:48:20,0.076  
12/17/2014,08:49:20,0.124  
12/17/2014,08:50:20,0.096  
12/17/2014,08:51:20,0.121  
12/17/2014,08:52:20,0.082  
12/17/2014,08:53:20,0.090  
12/17/2014,08:54:20,0.052  
12/17/2014,08:55:20,0.110  
12/17/2014,08:56:20,0.069

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_B  
Start Date:,12/17/2014  
Start Time:,08:57:24  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.053  
,Minimum:,0.007  
,Time of Minimum:,09:05:24  
,Date of Minimum:,12/17/2014  
,Maximum:,0.163  
,Time of Maximum:,09:07:24  
,Date of Maximum:,12/17/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/17/2014,08:58:24,0.088  
12/17/2014,08:59:24,0.012  
12/17/2014,09:00:24,0.008

12-17-14 Downwind-2 Dust

12/17/2014,09:01:24,0.012  
12/17/2014,09:02:24,0.009  
12/17/2014,09:03:24,0.011  
12/17/2014,09:04:24,0.009  
12/17/2014,09:05:24,0.007  
12/17/2014,09:06:24,0.112  
12/17/2014,09:07:24,0.163  
12/17/2014,09:08:24,0.137  
12/17/2014,09:09:24,0.123  
12/17/2014,09:10:24,0.007  
12/17/2014,09:11:24,0.010  
12/17/2014,09:12:24,0.081

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530122515  
Test ID: ,003  
Test Abbreviation: ,MANUAL\_003\_C  
Start Date: ,12/17/2014  
Start Time: ,09:13:07  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.057  
,Minimum: ,0.007  
,Time of Minimum: ,09:26:07  
,Date of Minimum: ,12/17/2014  
,Maximum: ,0.187  
,Time of Maximum: ,09:14:07  
,Date of Maximum: ,12/17/2014

Calibration,Sensor: ,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/17/2014,09:14:07,0.187  
12/17/2014,09:15:07,0.065  
12/17/2014,09:16:07,0.023  
12/17/2014,09:17:07,0.022  
12/17/2014,09:18:07,0.020  
12/17/2014,09:19:07,0.032  
12/17/2014,09:20:07,0.069  
12/17/2014,09:21:07,0.157  
12/17/2014,09:22:07,0.020  
12/17/2014,09:23:07,0.088  
12/17/2014,09:24:07,0.117  
12/17/2014,09:25:07,0.033  
12/17/2014,09:26:07,0.007  
12/17/2014,09:27:07,0.008  
12/17/2014,09:28:07,0.012

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530122515  
Test ID: ,003  
Test Abbreviation: ,MANUAL\_003\_D  
Start Date: ,12/17/2014  
Start Time: ,09:41:45  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

12-17-14 Downwind-2 Dust

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.094  
,Minimum:,0.015  
,Time of Minimum:,09:51:45  
,Date of Minimum:,12/17/2014  
,Maximum:,0.332  
,Time of Maximum:,09:42:45  
,Date of Maximum:,12/17/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/17/2014,09:42:45,0.332  
12/17/2014,09:43:45,0.056  
12/17/2014,09:44:45,0.166  
12/17/2014,09:45:45,0.302  
12/17/2014,09:46:45,0.138  
12/17/2014,09:47:45,0.209  
12/17/2014,09:48:45,0.044  
12/17/2014,09:49:45,0.022  
12/17/2014,09:50:45,0.025  
12/17/2014,09:51:45,0.015  
12/17/2014,09:52:45,0.022  
12/17/2014,09:53:45,0.015  
12/17/2014,09:54:45,0.025  
12/17/2014,09:55:45,0.018  
12/17/2014,09:56:45,0.022

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_E  
Start Date:,12/17/2014  
Start Time:,09:57:48  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.040  
,Minimum:,0.011  
,Time of Minimum:,10:03:48  
,Date of Minimum:,12/17/2014  
,Maximum:,0.210  
,Time of Maximum:,10:00:48  
,Date of Maximum:,12/17/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/17/2014,09:58:48,0.090  
12/17/2014,09:59:48,0.128  
12/17/2014,10:00:48,0.210  
12/17/2014,10:01:48,0.019  
12/17/2014,10:02:48,0.018  
12/17/2014,10:03:48,0.011  
12/17/2014,10:04:48,0.018  
12/17/2014,10:05:48,0.014

12-17-14 Downwind-2 Dust

12/17/2014,10:06:48,0.012  
12/17/2014,10:07:48,0.014  
12/17/2014,10:08:48,0.011  
12/17/2014,10:09:48,0.012  
12/17/2014,10:10:48,0.015  
12/17/2014,10:11:48,0.011  
12/17/2014,10:12:48,0.011

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_F  
Start Date:,12/17/2014  
Start Time:,11:01:37  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.088  
,Minimum:,0.013  
,Time of Minimum:,11:12:37  
,Date of Minimum:,12/17/2014  
,Maximum:,0.222  
,Time of Maximum:,11:10:37  
,Date of Maximum:,12/17/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/17/2014,11:02:37,0.085  
12/17/2014,11:03:37,0.036  
12/17/2014,11:04:37,0.051  
12/17/2014,11:05:37,0.162  
12/17/2014,11:06:37,0.103  
12/17/2014,11:07:37,0.197  
12/17/2014,11:08:37,0.064  
12/17/2014,11:09:37,0.210  
12/17/2014,11:10:37,0.222  
12/17/2014,11:11:37,0.049  
12/17/2014,11:12:37,0.013  
12/17/2014,11:13:37,0.038  
12/17/2014,11:14:37,0.016  
12/17/2014,11:15:37,0.050  
12/17/2014,11:16:37,0.025

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_G  
Start Date:,12/17/2014  
Start Time:,11:18:16  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.027  
,Minimum:,0.015

12-17-14 Downwind-2 Dust

,Time of Minimum:,11:31:16  
,Date of Minimum:,12/17/2014  
,Maximum:,0.107  
,Time of Maximum:,11:19:16  
,Date of Maximum:,12/17/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m^3  
12/17/2014,11:19:16,0.107  
12/17/2014,11:20:16,0.023  
12/17/2014,11:21:16,0.066  
12/17/2014,11:22:16,0.020  
12/17/2014,11:23:16,0.016  
12/17/2014,11:24:16,0.016  
12/17/2014,11:25:16,0.016  
12/17/2014,11:26:16,0.019  
12/17/2014,11:27:16,0.024  
12/17/2014,11:28:16,0.018  
12/17/2014,11:29:16,0.016  
12/17/2014,11:30:16,0.016  
12/17/2014,11:31:16,0.015  
12/17/2014,11:32:16,0.020  
12/17/2014,11:33:16,0.017

12-17-14 Downwind-2 VOC

14/12/17 08:08

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-913116  
 Unit Firmware Ver V1.20A  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 12/17/2014 08:08:10  
 End 12/17/2014 15:55:04  
 Sample Period(s) 900  
 Number of Records 31  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 5.000  
 Measurement Gas Isobutylene  
 Calibration Time 12/17/2014 07:57  
 Peak 0.322  
 Min 0.057  
 Average 0.151  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	12/17/2014 08:23:10	0.070	0.158	0.057	
002	12/17/2014 08:38:10	0.061	0.114	0.059	
003	12/17/2014 08:53:10	0.068	0.141	0.065	
004	12/17/2014 09:08:10	0.082	0.179	0.077	
005	12/17/2014 09:23:10	0.099	0.210	0.086	
006	12/17/2014 09:38:10	0.112	0.238	0.108	
007	12/17/2014 09:53:10	0.112	0.196	0.110	
008	12/17/2014 10:08:10	0.130	0.214	0.123	
009	12/17/2014 10:23:10	0.121	0.206	0.124	
010	12/17/2014 10:38:10	0.126	0.151	0.136	
011	12/17/2014 10:53:10	0.134	0.183	0.130	
012	12/17/2014 11:08:10	0.176	0.474	0.170	
013	12/17/2014 11:23:10	0.186	0.465	0.165	
014	12/17/2014 11:38:10	0.162	0.347	0.322	
015	12/17/2014 11:53:10	0.178	0.358	0.146	
016	12/17/2014 12:08:10	0.158	0.180	0.165	
017	12/17/2014 12:23:10	0.162	0.197	0.167	
018	12/17/2014 12:38:10	0.166	0.190	0.174	
019	12/17/2014 12:53:10	0.165	0.188	0.155	
020	12/17/2014 13:08:10	0.166	0.187	0.167	
021	12/17/2014 13:23:10	0.170	0.209	0.173	
022	12/17/2014 13:38:10	0.173	0.204	0.176	
023	12/17/2014 13:53:10	0.175	0.218	0.170	
024	12/17/2014 14:08:10	0.181	0.213	0.185	
025	12/17/2014 14:23:10	0.178	0.211	0.177	

12-17-14 Downwind-2 VOC					
026	12/17/2014	14:38:10	0.179	0.250	0.188
027	12/17/2014	14:53:10	0.176	0.215	0.182
028	12/17/2014	15:08:10	0.182	0.229	0.180
029	12/17/2014	15:23:10	0.181	0.215	0.185
030	12/17/2014	15:38:10	0.182	0.225	0.188
031	12/17/2014	15:53:10	0.181	0.207	0.182
Peak			0.186	0.474	0.322
Min			0.061	0.114	0.057
Average			0.148	0.225	0.151

\*\*\*\*\*

TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	12/17/2014 08:23:10	0.002	0.057
002	12/17/2014 08:38:10	0.004	0.059
003	12/17/2014 08:53:10	0.006	0.065
004	12/17/2014 09:08:10	0.008	0.077
005	12/17/2014 09:23:10	0.011	0.086
006	12/17/2014 09:38:10	0.014	0.108
007	12/17/2014 09:53:10	0.018	0.110
008	12/17/2014 10:08:10	0.021	0.123
009	12/17/2014 10:23:10	0.025	0.124
010	12/17/2014 10:38:10	0.030	0.136
011	12/17/2014 10:53:10	0.034	0.130
012	12/17/2014 11:08:10	0.039	0.170
013	12/17/2014 11:23:10	0.044	0.165
014	12/17/2014 11:38:10	0.054	0.322
015	12/17/2014 11:53:10	0.059	0.146
016	12/17/2014 12:08:10	0.064	0.165
017	12/17/2014 12:23:10	0.069	0.167
018	12/17/2014 12:38:10	0.074	0.174
019	12/17/2014 12:53:10	0.079	0.155
020	12/17/2014 13:08:10	0.085	0.167
021	12/17/2014 13:23:10	0.090	0.173
022	12/17/2014 13:38:10	0.095	0.176
023	12/17/2014 13:53:10	0.101	0.170
024	12/17/2014 14:08:10	0.107	0.185
025	12/17/2014 14:23:10	0.112	0.177
026	12/17/2014 14:38:10	0.118	0.188
027	12/17/2014 14:53:10	0.124	0.182
028	12/17/2014 15:08:10	0.129	0.180
029	12/17/2014 15:23:10	0.135	0.185
030	12/17/2014 15:38:10	0.141	0.188
031	12/17/2014 15:53:10	0.147	0.182



TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,12/17/2014  
Start Time:,07:54:09  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.011  
,Minimum:,0.004  
,Time of Minimum:,08:54:09  
,Date of Minimum:,12/17/2014  
,Maximum:,0.019  
,Time of Maximum:,13:39:09  
,Date of Maximum:,12/17/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/17/2014,08:09:09,0.006  
12/17/2014,08:24:09,0.007  
12/17/2014,08:39:09,0.008  
12/17/2014,08:54:09,0.004  
12/17/2014,09:09:09,0.005  
12/17/2014,09:24:09,0.006  
12/17/2014,09:39:09,0.006  
12/17/2014,09:54:09,0.007  
12/17/2014,10:09:09,0.007  
12/17/2014,10:24:09,0.007  
12/17/2014,10:39:09,0.007  
12/17/2014,10:54:09,0.010  
12/17/2014,11:09:09,0.010  
12/17/2014,11:24:09,0.011  
12/17/2014,11:39:09,0.011  
12/17/2014,11:54:09,0.013  
12/17/2014,12:09:09,0.014  
12/17/2014,12:24:09,0.014  
12/17/2014,12:39:09,0.014  
12/17/2014,12:54:09,0.014  
12/17/2014,13:09:09,0.015  
12/17/2014,13:24:09,0.017  
12/17/2014,13:39:09,0.019  
12/17/2014,13:54:09,0.019  
12/17/2014,14:09:09,0.019  
12/17/2014,14:24:09,0.017  
12/17/2014,14:39:09,0.015  
12/17/2014,14:54:09,0.015  
12/17/2014,15:09:09,0.013  
12/17/2014,15:24:09,0.012

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_A  
Start Date:,12/17/2014  
Start Time:,08:58:26

12-17-14 Upwind Dust

Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.005  
,Minimum:,0.004  
,Time of Minimum:,09:01:26  
,Date of Minimum:,12/17/2014  
,Maximum:,0.013  
,Time of Maximum:,08:59:26  
,Date of Maximum:,12/17/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/17/2014,08:59:26,0.013  
12/17/2014,09:00:26,0.006  
12/17/2014,09:01:26,0.004  
12/17/2014,09:02:26,0.004  
12/17/2014,09:03:26,0.004  
12/17/2014,09:04:26,0.004  
12/17/2014,09:05:26,0.004  
12/17/2014,09:06:26,0.004  
12/17/2014,09:07:26,0.004  
12/17/2014,09:08:26,0.004  
12/17/2014,09:09:26,0.004  
12/17/2014,09:10:26,0.004  
12/17/2014,09:11:26,0.004  
12/17/2014,09:12:26,0.004  
12/17/2014,09:13:26,0.004

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_B  
Start Date:,12/17/2014  
Start Time:,10:52:58  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.011  
,Minimum:,0.009  
,Time of Minimum:,10:54:58  
,Date of Minimum:,12/17/2014  
,Maximum:,0.019  
,Time of Maximum:,10:53:58  
,Date of Maximum:,12/17/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/17/2014,10:53:58,0.019  
12/17/2014,10:54:58,0.009  
12/17/2014,10:55:58,0.009  
12/17/2014,10:56:58,0.010

12-17-14 Upwind Dust

12/17/2014,10:57:58,0.011  
12/17/2014,10:58:58,0.010  
12/17/2014,10:59:58,0.010  
12/17/2014,11:00:58,0.010  
12/17/2014,11:01:58,0.010  
12/17/2014,11:02:58,0.010  
12/17/2014,11:03:58,0.010  
12/17/2014,11:04:58,0.010  
12/17/2014,11:05:58,0.010  
12/17/2014,11:06:58,0.010  
12/17/2014,11:07:58,0.010

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530141112  
Test ID: ,004  
Test Abbreviation: ,MANUAL\_004  
Start Date: ,12/18/2014  
Start Time: ,08:06:22  
Duration (dd:hh:mm:ss): ,0:07:30:00  
Log Interval (mm:ss): ,15:00  
Number of points: ,30  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.023  
,Minimum: ,0.016  
,Time of Minimum: ,15:21:22  
,Date of Minimum: ,12/18/2014  
,Maximum: ,0.041  
,Time of Maximum: ,08:51:22  
,Date of Maximum: ,12/18/2014

Calibration,Sensor: ,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/18/2014,08:21:22,0.022  
12/18/2014,08:36:22,0.019  
12/18/2014,08:51:22,0.041  
12/18/2014,09:06:22,0.040  
12/18/2014,09:21:22,0.034  
12/18/2014,09:36:22,0.025  
12/18/2014,09:51:22,0.028  
12/18/2014,10:06:22,0.025  
12/18/2014,10:21:22,0.018  
12/18/2014,10:36:22,0.018  
12/18/2014,10:51:22,0.019  
12/18/2014,11:06:22,0.021  
12/18/2014,11:21:22,0.019  
12/18/2014,11:36:22,0.018  
12/18/2014,11:51:22,0.019  
12/18/2014,12:06:22,0.020  
12/18/2014,12:21:22,0.021  
12/18/2014,12:36:22,0.019  
12/18/2014,12:51:22,0.020  
12/18/2014,13:06:22,0.023  
12/18/2014,13:21:22,0.027  
12/18/2014,13:36:22,0.033  
12/18/2014,13:51:22,0.031  
12/18/2014,14:06:22,0.022  
12/18/2014,14:21:22,0.017  
12/18/2014,14:36:22,0.017  
12/18/2014,14:51:22,0.019  
12/18/2014,15:06:22,0.018  
12/18/2014,15:21:22,0.016  
12/18/2014,15:36:22,0.017

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530141112  
Test ID: ,004  
Test Abbreviation: ,MANUAL\_004\_A  
Start Date: ,12/18/2014  
Start Time: ,08:45:59

12-18-14 Downwind-1 Dust

Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.046  
,Minimum:,0.020  
,Time of Minimum:,08:57:59  
,Date of Minimum:,12/18/2014  
,Maximum:,0.102  
,Time of Maximum:,08:50:59  
,Date of Maximum:,12/18/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/18/2014,08:46:59,0.073  
12/18/2014,08:47:59,0.040  
12/18/2014,08:48:59,0.048  
12/18/2014,08:49:59,0.089  
12/18/2014,08:50:59,0.102  
12/18/2014,08:51:59,0.061  
12/18/2014,08:52:59,0.025  
12/18/2014,08:53:59,0.032  
12/18/2014,08:54:59,0.024  
12/18/2014,08:55:59,0.025  
12/18/2014,08:56:59,0.025  
12/18/2014,08:57:59,0.020  
12/18/2014,08:58:59,0.028  
12/18/2014,08:59:59,0.044  
12/18/2014,09:00:59,0.046

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_B  
Start Date:,12/18/2014  
Start Time:,09:01:30  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.038  
,Minimum:,0.020  
,Time of Minimum:,09:06:30  
,Date of Minimum:,12/18/2014  
,Maximum:,0.111  
,Time of Maximum:,09:02:30  
,Date of Maximum:,12/18/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/18/2014,09:02:30,0.111  
12/18/2014,09:03:30,0.072  
12/18/2014,09:04:30,0.054  
12/18/2014,09:05:30,0.022

12-18-14 Downwind-1 Dust

12/18/2014,09:06:30,0.020  
12/18/2014,09:07:30,0.022  
12/18/2014,09:08:30,0.021  
12/18/2014,09:09:30,0.022  
12/18/2014,09:10:30,0.024  
12/18/2014,09:11:30,0.024  
12/18/2014,09:12:30,0.024  
12/18/2014,09:13:30,0.024  
12/18/2014,09:14:30,0.025  
12/18/2014,09:15:30,0.044  
12/18/2014,09:16:30,0.067

12-18-14 Downwind-1 VOC

14/12/18 08:11

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907926  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 12/18/2014 08:11:42  
 End 12/18/2014 15:52:05  
 Sample Period(s) 900  
 Number of Records 30  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 12/18/2014 07:43  
 Peak 0.177  
 Min 0.106  
 Average 0.152

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	12/18/2014 08:26:42	0.117	0.470	0.107	0.107
002	12/18/2014 08:41:42	0.099	0.139	0.107	0.107
003	12/18/2014 08:56:42	0.107	0.138	0.106	0.106
004	12/18/2014 09:11:42	0.118	0.155	0.115	0.115
005	12/18/2014 09:26:42	0.122	0.137	0.129	0.129
006	12/18/2014 09:41:42	0.127	0.161	0.133	0.133
007	12/18/2014 09:56:42	0.135	0.171	0.132	0.132
008	12/18/2014 10:11:42	0.140	0.177	0.141	0.141
009	12/18/2014 10:26:42	0.145	0.194	0.157	0.157
010	12/18/2014 10:41:42	0.148	0.161	0.148	0.148
011	12/18/2014 10:56:42	0.150	0.158	0.150	0.150
012	12/18/2014 11:11:42	0.153	0.194	0.151	0.151
013	12/18/2014 11:26:42	0.153	0.165	0.152	0.152
014	12/18/2014 11:41:42	0.155	0.161	0.157	0.157
015	12/18/2014 11:56:42	0.159	0.164	0.164	0.164
016	12/18/2014 12:11:42	0.161	0.192	0.163	0.163
017	12/18/2014 12:26:42	0.161	0.172	0.163	0.163
018	12/18/2014 12:41:42	0.164	0.184	0.162	0.162
019	12/18/2014 12:56:42	0.178	0.350	0.166	0.166
020	12/18/2014 13:11:42	0.166	0.177	0.177	0.177
021	12/18/2014 13:26:42	0.166	0.194	0.164	0.164
022	12/18/2014 13:41:42	0.178	0.347	0.167	0.167
023	12/18/2014 13:56:42	0.168	0.202	0.165	0.165
024	12/18/2014 14:11:42	0.182	0.316	0.169	0.169
025	12/18/2014 14:26:42	0.176	0.245	0.171	0.171

12-18-14 Downwind-1 VOC					
026	12/18/2014	14:41:42	0.171	0.189	0.172
027	12/18/2014	14:56:42	0.172	0.195	0.171
028	12/18/2014	15:11:42	0.171	0.184	0.173
029	12/18/2014	15:26:42	0.172	0.180	0.172
030	12/18/2014	15:41:42	0.174	0.185	0.171
Peak		0.182 0.470	0.177		
Min		0.099 0.137	0.106		
Average		0.153 0.202	0.152		

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TWA/STEL

Index	Date/Time	VOC(ppm)	
		(TWA)	(STEL)
001	12/18/2014 08:26:42	0.003	0.107
002	12/18/2014 08:41:42	0.007	0.107
003	12/18/2014 08:56:42	0.010	0.106
004	12/18/2014 09:11:42	0.014	0.115
005	12/18/2014 09:26:42	0.018	0.129
006	12/18/2014 09:41:42	0.022	0.133
007	12/18/2014 09:56:42	0.026	0.132
008	12/18/2014 10:11:42	0.030	0.141
009	12/18/2014 10:26:42	0.035	0.157
010	12/18/2014 10:41:42	0.040	0.148
011	12/18/2014 10:56:42	0.045	0.150
012	12/18/2014 11:11:42	0.049	0.151
013	12/18/2014 11:26:42	0.054	0.152
014	12/18/2014 11:41:42	0.059	0.157
015	12/18/2014 11:56:42	0.064	0.164
016	12/18/2014 12:11:42	0.069	0.163
017	12/18/2014 12:26:42	0.074	0.163
018	12/18/2014 12:41:42	0.079	0.162
019	12/18/2014 12:56:42	0.084	0.166
020	12/18/2014 13:11:42	0.090	0.177
021	12/18/2014 13:26:42	0.095	0.164
022	12/18/2014 13:41:42	0.100	0.167
023	12/18/2014 13:56:42	0.105	0.165
024	12/18/2014 14:11:42	0.111	0.169
025	12/18/2014 14:26:42	0.116	0.171
026	12/18/2014 14:41:42	0.121	0.172
027	12/18/2014 14:56:42	0.127	0.171
028	12/18/2014 15:11:42	0.132	0.173
029	12/18/2014 15:26:42	0.138	0.172
030	12/18/2014 15:41:42	0.143	0.171



TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,12/18/2014  
Start Time:,08:08:49  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.025  
,Minimum:,0.015  
,Time of Minimum:,15:23:49  
,Date of Minimum:,12/18/2014  
,Maximum:,0.077  
,Time of Maximum:,13:23:49  
,Date of Maximum:,12/18/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/18/2014,08:23:49,0.020  
12/18/2014,08:38:49,0.019  
12/18/2014,08:53:49,0.020  
12/18/2014,09:08:49,0.024  
12/18/2014,09:23:49,0.024  
12/18/2014,09:38:49,0.025  
12/18/2014,09:53:49,0.023  
12/18/2014,10:08:49,0.019  
12/18/2014,10:23:49,0.017  
12/18/2014,10:38:49,0.018  
12/18/2014,10:53:49,0.025  
12/18/2014,11:08:49,0.019  
12/18/2014,11:23:49,0.019  
12/18/2014,11:38:49,0.042  
12/18/2014,11:53:49,0.027  
12/18/2014,12:08:49,0.021  
12/18/2014,12:23:49,0.019  
12/18/2014,12:38:49,0.019  
12/18/2014,12:53:49,0.020  
12/18/2014,13:08:49,0.029  
12/18/2014,13:23:49,0.077  
12/18/2014,13:38:49,0.040  
12/18/2014,13:53:49,0.036  
12/18/2014,14:08:49,0.036  
12/18/2014,14:23:49,0.030  
12/18/2014,14:38:49,0.019  
12/18/2014,14:53:49,0.020  
12/18/2014,15:08:49,0.018  
12/18/2014,15:23:49,0.015  
12/18/2014,15:38:49,0.016

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_A  
Start Date:,12/18/2014  
Start Time:,10:44:08

12-18-14 Downwind-2 Dust

Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.025  
,Minimum:,0.017  
,Time of Minimum:,10:58:08  
,Date of Minimum:,12/18/2014  
,Maximum:,0.068  
,Time of Maximum:,10:49:08  
,Date of Maximum:,12/18/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/18/2014,10:45:08,0.053  
12/18/2014,10:46:08,0.022  
12/18/2014,10:47:08,0.022  
12/18/2014,10:48:08,0.019  
12/18/2014,10:49:08,0.068  
12/18/2014,10:50:08,0.021  
12/18/2014,10:51:08,0.018  
12/18/2014,10:52:08,0.019  
12/18/2014,10:53:08,0.022  
12/18/2014,10:54:08,0.020  
12/18/2014,10:55:08,0.020  
12/18/2014,10:56:08,0.020  
12/18/2014,10:57:08,0.018  
12/18/2014,10:58:08,0.017  
12/18/2014,10:59:08,0.017

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_B  
Start Date:,12/18/2014  
Start Time:,11:34:35  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.049  
,Minimum:,0.017  
,Time of Minimum:,11:42:35  
,Date of Minimum:,12/18/2014  
,Maximum:,0.234  
,Time of Maximum:,11:35:35  
,Date of Maximum:,12/18/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/18/2014,11:35:35,0.234  
12/18/2014,11:36:35,0.081  
12/18/2014,11:37:35,0.071  
12/18/2014,11:38:35,0.018

12-18-14 Downwind-2 Dust

12/18/2014,11:39:35,0.023  
12/18/2014,11:40:35,0.021  
12/18/2014,11:41:35,0.019  
12/18/2014,11:42:35,0.017  
12/18/2014,11:43:35,0.017  
12/18/2014,11:44:35,0.109  
12/18/2014,11:45:35,0.022  
12/18/2014,11:46:35,0.024  
12/18/2014,11:47:35,0.028  
12/18/2014,11:48:35,0.021  
12/18/2014,11:49:35,0.024

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_C  
Start Date:,12/18/2014  
Start Time:,13:11:56  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.078  
,Minimum:,0.025  
,Time of Minimum:,13:15:56  
,Date of Minimum:,12/18/2014  
,Maximum:,0.161  
,Time of Maximum:,13:12:56  
,Date of Maximum:,12/18/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/18/2014,13:12:56,0.161  
12/18/2014,13:13:56,0.045  
12/18/2014,13:14:56,0.086  
12/18/2014,13:15:56,0.025  
12/18/2014,13:16:56,0.108  
12/18/2014,13:17:56,0.107  
12/18/2014,13:18:56,0.065  
12/18/2014,13:19:56,0.139  
12/18/2014,13:20:56,0.139  
12/18/2014,13:21:56,0.141  
12/18/2014,13:22:56,0.031  
12/18/2014,13:23:56,0.030  
12/18/2014,13:24:56,0.032  
12/18/2014,13:25:56,0.034  
12/18/2014,13:26:56,0.029

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_D  
Start Date:,12/18/2014  
Start Time:,13:32:54  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

12-18-14 Downwind-2 Dust

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.039  
,Minimum:,0.026  
,Time of Minimum:,13:43:54  
,Date of Minimum:,12/18/2014  
,Maximum:,0.112  
,Time of Maximum:,13:33:54  
,Date of Maximum:,12/18/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
12/18/2014,13:33:54,0.112  
12/18/2014,13:34:54,0.030  
12/18/2014,13:35:54,0.053  
12/18/2014,13:36:54,0.030  
12/18/2014,13:37:54,0.041  
12/18/2014,13:38:54,0.035  
12/18/2014,13:39:54,0.041  
12/18/2014,13:40:54,0.030  
12/18/2014,13:41:54,0.035  
12/18/2014,13:42:54,0.034  
12/18/2014,13:43:54,0.026  
12/18/2014,13:44:54,0.029  
12/18/2014,13:45:54,0.028  
12/18/2014,13:46:54,0.026  
12/18/2014,13:47:54,0.028

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_E  
Start Date:,12/18/2014  
Start Time:,13:53:27  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.044  
,Minimum:,0.018  
,Time of Minimum:,14:02:27  
,Date of Minimum:,12/18/2014  
,Maximum:,0.201  
,Time of Maximum:,13:54:27  
,Date of Maximum:,12/18/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
12/18/2014,13:54:27,0.201  
12/18/2014,13:55:27,0.023  
12/18/2014,13:56:27,0.022  
12/18/2014,13:57:27,0.019  
12/18/2014,13:58:27,0.019  
12/18/2014,13:59:27,0.057  
12/18/2014,14:00:27,0.084  
12/18/2014,14:01:27,0.048  
12/18/2014,14:02:27,0.018

12-18-14 Downwind-2 Dust

12/18/2014,14:03:27,0.024  
12/18/2014,14:04:27,0.023  
12/18/2014,14:05:27,0.023  
12/18/2014,14:06:27,0.027  
12/18/2014,14:07:27,0.054  
12/18/2014,14:08:27,0.019

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_F  
Start Date:,12/18/2014  
Start Time:,14:10:14  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.029  
,Minimum:,0.014  
,Time of Minimum:,14:15:14  
,Date of Minimum:,12/18/2014  
,Maximum:,0.117  
,Time of Maximum:,14:11:14  
,Date of Maximum:,12/18/2014

Calibration,Sensor:,,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/18/2014,14:11:14,0.117  
12/18/2014,14:12:14,0.015  
12/18/2014,14:13:14,0.017  
12/18/2014,14:14:14,0.019  
12/18/2014,14:15:14,0.014  
12/18/2014,14:16:14,0.052  
12/18/2014,14:17:14,0.015  
12/18/2014,14:18:14,0.015  
12/18/2014,14:19:14,0.079  
12/18/2014,14:20:14,0.018  
12/18/2014,14:21:14,0.015  
12/18/2014,14:22:14,0.016  
12/18/2014,14:23:14,0.015  
12/18/2014,14:24:14,0.015  
12/18/2014,14:25:14,0.015

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_G  
Start Date:,12/18/2014  
Start Time:,14:48:15  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.020  
,Minimum:,0.014  
,Time of Minimum:,,15:02:15

12-18-14 Downwind-2 Dust

,Date of Minimum:,12/18/2014  
,Maximum:,0.034  
,Time of Maximum:,14:49:15  
,Date of Maximum:,12/18/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL

MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>

12/18/2014,14:49:15,0.034  
12/18/2014,14:50:15,0.020  
12/18/2014,14:51:15,0.017  
12/18/2014,14:52:15,0.017  
12/18/2014,14:53:15,0.018  
12/18/2014,14:54:15,0.017  
12/18/2014,14:55:15,0.016  
12/18/2014,14:56:15,0.015  
12/18/2014,14:57:15,0.032  
12/18/2014,14:58:15,0.019  
12/18/2014,14:59:15,0.018  
12/18/2014,15:00:15,0.015  
12/18/2014,15:01:15,0.031  
12/18/2014,15:02:15,0.014  
12/18/2014,15:03:15,0.017

12-18-14 Downwind-2 VOC

14/12/18 08:18

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-913116  
 Unit Firmware Ver V1.20A  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 12/18/2014 08:18:32  
 End 12/18/2014 15:58:21  
 Sample Period(s) 900  
 Number of Records 30  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 5.000  
 Measurement Gas Isobutyrol  
 Calibration Time 12/18/2014 07:50  
 Peak 0.291  
 Min 0.078  
 Average 0.168  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	12/18/2014 08:33:32	0.078	0.175	0.078	
002	12/18/2014 08:48:32	0.098	0.251	0.100	
003	12/18/2014 09:03:32	0.156	0.597	0.139	
004	12/18/2014 09:18:32	0.127	0.175	0.162	
005	12/18/2014 09:33:32	0.130	0.181	0.127	
006	12/18/2014 09:48:32	0.136	0.169	0.138	
007	12/18/2014 10:03:32	0.155	0.295	0.165	
008	12/18/2014 10:18:32	0.155	0.207	0.151	
009	12/18/2014 10:33:32	0.152	0.179	0.158	
010	12/18/2014 10:48:32	0.156	0.187	0.159	
011	12/18/2014 11:03:32	0.222	1.318	0.222	
012	12/18/2014 11:18:32	0.228	0.612	0.262	
013	12/18/2014 11:33:32	0.195	0.816	0.172	
014	12/18/2014 11:48:32	0.248	1.001	0.179	
015	12/18/2014 12:03:32	0.173	0.235	0.174	
016	12/18/2014 12:18:32	0.177	0.541	0.173	
017	12/18/2014 12:33:32	0.180	0.267	0.176	
018	12/18/2014 12:48:32	0.201	0.711	0.161	
019	12/18/2014 13:03:32	0.176	0.327	0.176	
020	12/18/2014 13:18:32	0.182	0.341	0.167	
021	12/18/2014 13:33:32	0.193	0.360	0.173	
022	12/18/2014 13:48:32	0.227	1.055	0.291	
023	12/18/2014 14:03:32	0.207	0.721	0.266	
024	12/18/2014 14:18:32	0.213	1.472	0.185	
025	12/18/2014 14:33:32	0.190	0.571	0.151	

12-18-14 Downwind-2 VOC					
026	12/18/2014	14:48:32	0.160	0.220	0.152
027	12/18/2014	15:03:32	0.154	0.250	0.152
028	12/18/2014	15:18:32	0.149	0.226	0.131
029	12/18/2014	15:33:32	0.145	0.164	0.153
030	12/18/2014	15:48:32	0.145	0.179	0.144
Peak		0.248 1.472	0.291		
Min		0.078 0.164	0.078		
Average		0.170 0.460	0.168		

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TWA/STEL

Index	Date/Time	VOC(ppm)	
		(TWA)	(STEL)
001	12/18/2014 08:33:32	0.002	0.078
002	12/18/2014 08:48:32	0.006	0.100
003	12/18/2014 09:03:32	0.010	0.139
004	12/18/2014 09:18:32	0.015	0.162
005	12/18/2014 09:33:32	0.019	0.127
006	12/18/2014 09:48:32	0.023	0.138
007	12/18/2014 10:03:32	0.028	0.165
008	12/18/2014 10:18:32	0.033	0.151
009	12/18/2014 10:33:32	0.038	0.158
010	12/18/2014 10:48:32	0.043	0.159
011	12/18/2014 11:03:32	0.050	0.222
012	12/18/2014 11:18:32	0.058	0.262
013	12/18/2014 11:33:32	0.064	0.172
014	12/18/2014 11:48:32	0.069	0.179
015	12/18/2014 12:03:32	0.075	0.174
016	12/18/2014 12:18:32	0.080	0.173
017	12/18/2014 12:33:32	0.085	0.176
018	12/18/2014 12:48:32	0.090	0.161
019	12/18/2014 13:03:32	0.096	0.176
020	12/18/2014 13:18:32	0.101	0.167
021	12/18/2014 13:33:32	0.107	0.173
022	12/18/2014 13:48:32	0.116	0.291
023	12/18/2014 14:03:32	0.124	0.266
024	12/18/2014 14:18:32	0.130	0.185
025	12/18/2014 14:33:32	0.135	0.151
026	12/18/2014 14:48:32	0.139	0.152
027	12/18/2014 15:03:32	0.144	0.152
028	12/18/2014 15:18:32	0.148	0.131
029	12/18/2014 15:33:32	0.153	0.153
030	12/18/2014 15:48:32	0.157	0.144



TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530143315  
Test ID: ,004  
Test Abbreviation: ,MANUAL\_004  
Start Date: ,12/18/2014  
Start Time: ,07:58:42  
Duration (dd:hh:mm:ss): ,0:07:30:00  
Log Interval (mm:ss): ,15:00  
Number of points: ,30  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.016  
,Minimum: ,0.013  
,Time of Minimum: ,14:28:42  
,Date of Minimum: ,12/18/2014  
,Maximum: ,0.028  
,Time of Maximum: ,13:43:42  
,Date of Maximum: ,12/18/2014

Calibration,Sensor: ,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/18/2014,08:13:42,0.015  
12/18/2014,08:28:42,0.014  
12/18/2014,08:43:42,0.015  
12/18/2014,08:58:42,0.016  
12/18/2014,09:13:42,0.018  
12/18/2014,09:28:42,0.020  
12/18/2014,09:43:42,0.019  
12/18/2014,09:58:42,0.017  
12/18/2014,10:13:42,0.014  
12/18/2014,10:28:42,0.014  
12/18/2014,10:43:42,0.014  
12/18/2014,10:58:42,0.015  
12/18/2014,11:13:42,0.015  
12/18/2014,11:28:42,0.015  
12/18/2014,11:43:42,0.015  
12/18/2014,11:58:42,0.016  
12/18/2014,12:13:42,0.016  
12/18/2014,12:28:42,0.016  
12/18/2014,12:43:42,0.016  
12/18/2014,12:58:42,0.018  
12/18/2014,13:13:42,0.021  
12/18/2014,13:28:42,0.025  
12/18/2014,13:43:42,0.028  
12/18/2014,13:58:42,0.021  
12/18/2014,14:13:42,0.014  
12/18/2014,14:28:42,0.013  
12/18/2014,14:43:42,0.013  
12/18/2014,14:58:42,0.013  
12/18/2014,15:13:42,0.013  
12/18/2014,15:28:42,0.013

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530143315  
Test ID: ,004  
Test Abbreviation: ,MANUAL\_004\_A  
Start Date: ,12/18/2014  
Start Time: ,07:58:43

12-18-14 Upwind Dust

Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.015  
,Minimum:,0.012  
,Time of Minimum:,08:00:43  
,Date of Minimum:,12/18/2014  
,Maximum:,0.035  
,Time of Maximum:,07:59:43  
,Date of Maximum:,12/18/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
12/18/2014,07:59:43,0.035  
12/18/2014,08:00:43,0.012  
12/18/2014,08:01:43,0.012  
12/18/2014,08:02:43,0.012  
12/18/2014,08:03:43,0.012  
12/18/2014,08:04:43,0.013  
12/18/2014,08:05:43,0.013  
12/18/2014,08:06:43,0.013  
12/18/2014,08:07:43,0.013  
12/18/2014,08:08:43,0.014  
12/18/2014,08:09:43,0.014  
12/18/2014,08:10:43,0.014  
12/18/2014,08:11:43,0.014  
12/18/2014,08:12:43,0.014  
12/18/2014,08:13:43,0.014

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,005  
Test Abbreviation:,MANUAL\_005  
Start Date:,12/19/2014  
Start Time:,08:13:55  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.025  
,Minimum:,0.012  
,Time of Minimum:,08:28:55  
,Date of Minimum:,12/19/2014  
,Maximum:,0.077  
,Time of Maximum:,09:43:55  
,Date of Maximum:,12/19/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/19/2014,08:28:55,0.012  
12/19/2014,08:43:55,0.015  
12/19/2014,08:58:55,0.014  
12/19/2014,09:13:55,0.021  
12/19/2014,09:28:55,0.015  
12/19/2014,09:43:55,0.077  
12/19/2014,09:58:55,0.040  
12/19/2014,10:13:55,0.027  
12/19/2014,10:28:55,0.018  
12/19/2014,10:43:55,0.018  
12/19/2014,10:58:55,0.018  
12/19/2014,11:13:55,0.019  
12/19/2014,11:28:55,0.029  
12/19/2014,11:43:55,0.025  
12/19/2014,11:58:55,0.031  
12/19/2014,12:13:55,0.032  
12/19/2014,12:28:55,0.023  
12/19/2014,12:43:55,0.029  
12/19/2014,12:58:55,0.047  
12/19/2014,13:13:55,0.023  
12/19/2014,13:28:55,0.023  
12/19/2014,13:43:55,0.026  
12/19/2014,13:58:55,0.024  
12/19/2014,14:13:55,0.022  
12/19/2014,14:28:55,0.022  
12/19/2014,14:43:55,0.022  
12/19/2014,14:58:55,0.022  
12/19/2014,15:13:55,0.022  
12/19/2014,15:28:55,0.022  
12/19/2014,15:43:55,0.021

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_A  
Start Date:,12/19/2014  
Start Time:,09:09:06

12-19-14 Downwind-1 Dust

Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.020  
,Minimum:,0.013  
,Time of Minimum:,09:12:06  
,Date of Minimum:,12/19/2014  
,Maximum:,0.093  
,Time of Maximum:,09:10:06  
,Date of Maximum:,12/19/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/19/2014,09:10:06,0.093  
12/19/2014,09:11:06,0.014  
12/19/2014,09:12:06,0.013  
12/19/2014,09:13:06,0.013  
12/19/2014,09:14:06,0.013  
12/19/2014,09:15:06,0.014  
12/19/2014,09:16:06,0.015  
12/19/2014,09:17:06,0.019  
12/19/2014,09:18:06,0.015  
12/19/2014,09:19:06,0.021  
12/19/2014,09:20:06,0.016  
12/19/2014,09:21:06,0.013  
12/19/2014,09:22:06,0.014  
12/19/2014,09:23:06,0.014  
12/19/2014,09:24:06,0.014

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_B  
Start Date:,12/19/2014  
Start Time:,09:35:41  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.102  
,Minimum:,0.018  
,Time of Minimum:,09:49:41  
,Date of Minimum:,12/19/2014  
,Maximum:,0.305  
,Time of Maximum:,09:36:41  
,Date of Maximum:,12/19/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/19/2014,09:36:41,0.305  
12/19/2014,09:37:41,0.163  
12/19/2014,09:38:41,0.022  
12/19/2014,09:39:41,0.047

12-19-14 Downwind-1 Dust

12/19/2014,09:40:41,0.027  
12/19/2014,09:41:41,0.134  
12/19/2014,09:42:41,0.074  
12/19/2014,09:43:41,0.184  
12/19/2014,09:44:41,0.173  
12/19/2014,09:45:41,0.044  
12/19/2014,09:46:41,0.031  
12/19/2014,09:47:41,0.251  
12/19/2014,09:48:41,0.035  
12/19/2014,09:49:41,0.018  
12/19/2014,09:50:41,0.018

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_C  
Start Date:,12/19/2014  
Start Time:,09:59:16  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.027  
,Minimum:,0.015  
,Time of Minimum:,10:01:16  
,Date of Minimum:,12/19/2014  
,Maximum:,0.153  
,Time of Maximum:,10:08:16  
,Date of Maximum:,12/19/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/19/2014,10:00:16,0.040  
12/19/2014,10:01:16,0.015  
12/19/2014,10:02:16,0.015  
12/19/2014,10:03:16,0.015  
12/19/2014,10:04:16,0.017  
12/19/2014,10:05:16,0.016  
12/19/2014,10:06:16,0.021  
12/19/2014,10:07:16,0.016  
12/19/2014,10:08:16,0.153  
12/19/2014,10:09:16,0.018  
12/19/2014,10:10:16,0.017  
12/19/2014,10:11:16,0.016  
12/19/2014,10:12:16,0.017  
12/19/2014,10:13:16,0.017  
12/19/2014,10:14:16,0.017

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_D  
Start Date:,12/19/2014  
Start Time:,11:23:07  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

12-19-14 Downwind-1 Dust

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.031  
,Minimum:,0.020  
,Time of Minimum:,11:25:07  
,Date of Minimum:,12/19/2014  
,Maximum:,0.112  
,Time of Maximum:,11:24:07  
,Date of Maximum:,12/19/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/19/2014,11:24:07,0.112  
12/19/2014,11:25:07,0.020  
12/19/2014,11:26:07,0.025  
12/19/2014,11:27:07,0.020  
12/19/2014,11:28:07,0.036  
12/19/2014,11:29:07,0.024  
12/19/2014,11:30:07,0.026  
12/19/2014,11:31:07,0.020  
12/19/2014,11:32:07,0.021  
12/19/2014,11:33:07,0.021  
12/19/2014,11:34:07,0.031  
12/19/2014,11:35:07,0.036  
12/19/2014,11:36:07,0.022  
12/19/2014,11:37:07,0.025  
12/19/2014,11:38:07,0.021

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_E  
Start Date:,12/19/2014  
Start Time:,11:39:40  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.027  
,Minimum:,0.020  
,Time of Minimum:,11:41:40  
,Date of Minimum:,12/19/2014  
,Maximum:,0.051  
,Time of Maximum:,11:49:40  
,Date of Maximum:,12/19/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/19/2014,11:40:40,0.048  
12/19/2014,11:41:40,0.020  
12/19/2014,11:42:40,0.020  
12/19/2014,11:43:40,0.021  
12/19/2014,11:44:40,0.021  
12/19/2014,11:45:40,0.021  
12/19/2014,11:46:40,0.021  
12/19/2014,11:47:40,0.021  
12/19/2014,11:48:40,0.021

12-19-14 Downwind-1 Dust

12/19/2014,11:49:40,0.051  
12/19/2014,11:50:40,0.022  
12/19/2014,11:51:40,0.030  
12/19/2014,11:52:40,0.021  
12/19/2014,11:53:40,0.021  
12/19/2014,11:54:40,0.050

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_F  
Start Date:,12/19/2014  
Start Time:,11:54:44  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.038  
,Minimum:,0.019  
,Time of Minimum:,12:08:44  
,Date of Minimum:,12/19/2014  
,Maximum:,0.183  
,Time of Maximum:,12:04:44  
,Date of Maximum:,12/19/2014

Calibration,Sensor:,,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/19/2014,11:55:44,0.060  
12/19/2014,11:56:44,0.025  
12/19/2014,11:57:44,0.053  
12/19/2014,11:58:44,0.021  
12/19/2014,11:59:44,0.020  
12/19/2014,12:00:44,0.031  
12/19/2014,12:01:44,0.028  
12/19/2014,12:02:44,0.020  
12/19/2014,12:03:44,0.020  
12/19/2014,12:04:44,0.183  
12/19/2014,12:05:44,0.021  
12/19/2014,12:06:44,0.023  
12/19/2014,12:07:44,0.020  
12/19/2014,12:08:44,0.019  
12/19/2014,12:09:44,0.019

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_G  
Start Date:,12/19/2014  
Start Time:,12:27:39  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.027  
,Minimum:,0.018  
,Time of Minimum:,12:38:39

12-19-14 Downwind-1 Dust

,Date of Minimum:,12/19/2014  
,Maximum:,0.054  
,Time of Maximum:,12:40:39  
,Date of Maximum:,12/19/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/19/2014,12:28:39,0.044  
12/19/2014,12:29:39,0.023  
12/19/2014,12:30:39,0.024  
12/19/2014,12:31:39,0.029  
12/19/2014,12:32:39,0.022  
12/19/2014,12:33:39,0.022  
12/19/2014,12:34:39,0.020  
12/19/2014,12:35:39,0.020  
12/19/2014,12:36:39,0.028  
12/19/2014,12:37:39,0.019  
12/19/2014,12:38:39,0.018  
12/19/2014,12:39:39,0.026  
12/19/2014,12:40:39,0.054  
12/19/2014,12:41:39,0.039  
12/19/2014,12:42:39,0.018

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_H  
Start Date:,12/19/2014  
Start Time:,12:42:59  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.051  
,Minimum:,0.018  
,Time of Minimum:,12:46:59  
,Date of Minimum:,12/19/2014  
,Maximum:,0.415  
,Time of Maximum:,12:44:59  
,Date of Maximum:,12/19/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/19/2014,12:43:59,0.074  
12/19/2014,12:44:59,0.415  
12/19/2014,12:45:59,0.042  
12/19/2014,12:46:59,0.018  
12/19/2014,12:47:59,0.018  
12/19/2014,12:48:59,0.018  
12/19/2014,12:49:59,0.018  
12/19/2014,12:50:59,0.019  
12/19/2014,12:51:59,0.021  
12/19/2014,12:52:59,0.024  
12/19/2014,12:53:59,0.020  
12/19/2014,12:54:59,0.019  
12/19/2014,12:55:59,0.019  
12/19/2014,12:56:59,0.020



12/19/2014,12:57:59,0.019

12-19-14 Downwind-1 Dust

12-19-14 Downwind-1 VOC

14/12/19 08:19

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907926  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 12/19/2014 08:19:31  
 End 12/19/2014 15:55:37  
 Sample Period(s) 900  
 Number of Records 30  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 12/19/2014 07:57  
 Peak 0.186  
 Min 0.000  
 Average 0.107

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	12/19/2014 08:34:31	0.105	0.160	0.101	
002	12/19/2014 08:49:31	0.112	0.286	0.106	
003	12/19/2014 09:04:31	0.111	0.118	0.115	
004	12/19/2014 09:19:31	0.147	0.756	0.129	
005	12/19/2014 09:34:31	0.148	0.441	0.135	
006	12/19/2014 09:49:31	0.142	0.268	0.148	
007	12/19/2014 10:04:31	0.141	0.257	0.142	
008	12/19/2014 10:19:31	0.151	0.281	0.145	
009	12/19/2014 10:34:31	0.148	0.152	0.150	
010	12/19/2014 10:49:31	0.152	0.192	0.185	
011	12/19/2014 11:04:31	0.000	0.001	0.000	
012	12/19/2014 11:19:31	0.000	0.000	0.000	
013	12/19/2014 11:34:31	0.000	0.000	0.000	
014	12/19/2014 11:49:31	0.000	0.000	0.000	
015	12/19/2014 12:04:31	0.000	0.000	0.000	
016	12/19/2014 12:19:31	0.000	0.000	0.000	
017	12/19/2014 12:34:31	0.000	0.000	0.000	
018	12/19/2014 12:49:31	0.006	0.024	0.017	
019	12/19/2014 13:04:31	0.002	0.015	0.001	
020	12/19/2014 13:19:31	0.002	0.011	0.002	
021	12/19/2014 13:34:31	0.179	0.220	0.180	
022	12/19/2014 13:49:31	0.178	0.226	0.176	
023	12/19/2014 14:04:31	0.179	0.239	0.184	
024	12/19/2014 14:19:31	0.181	0.187	0.183	
025	12/19/2014 14:34:31	0.184	0.222	0.182	

12-19-14 Downwind-1 VOC

026	12/19/2014	14:49:31	0.183	0.193	0.183
027	12/19/2014	15:04:31	0.188	0.251	0.184
028	12/19/2014	15:19:31	0.187	0.196	0.186
029	12/19/2014	15:34:31	0.187	0.193	0.186
030	12/19/2014	15:49:31	0.187	0.192	0.185
Peak			0.188	0.756	0.186
Min			0.000	0.000	0.000
Average			0.107	0.169	0.107

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	12/19/2014 08:34:31	0.003	0.101
002	12/19/2014 08:49:31	0.006	0.106
003	12/19/2014 09:04:31	0.010	0.115
004	12/19/2014 09:19:31	0.014	0.129
005	12/19/2014 09:34:31	0.018	0.135
006	12/19/2014 09:49:31	0.023	0.148
007	12/19/2014 10:04:31	0.027	0.142
008	12/19/2014 10:19:31	0.032	0.145
009	12/19/2014 10:34:31	0.037	0.150
010	12/19/2014 10:49:31	0.042	0.185
011	12/19/2014 11:04:31	0.042	0.000
012	12/19/2014 11:19:31	0.042	0.000
013	12/19/2014 11:34:31	0.042	0.000
014	12/19/2014 11:49:31	0.042	0.000
015	12/19/2014 12:04:31	0.042	0.000
016	12/19/2014 12:19:31	0.042	0.000
017	12/19/2014 12:34:31	0.042	0.000
018	12/19/2014 12:49:31	0.043	0.017
019	12/19/2014 13:04:31	0.043	0.001
020	12/19/2014 13:19:31	0.043	0.002
021	12/19/2014 13:34:31	0.049	0.180
022	12/19/2014 13:49:31	0.054	0.176
023	12/19/2014 14:04:31	0.060	0.184
024	12/19/2014 14:19:31	0.066	0.183
025	12/19/2014 14:34:31	0.071	0.182
026	12/19/2014 14:49:31	0.077	0.183
027	12/19/2014 15:04:31	0.083	0.184
028	12/19/2014 15:19:31	0.089	0.186
029	12/19/2014 15:34:31	0.094	0.186
030	12/19/2014 15:49:31	0.100	0.185

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,005  
Test Abbreviation:,MANUAL\_005  
Start Date:,12/19/2014  
Start Time:,08:15:53  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.021  
,Minimum:,0.015  
,Time of Minimum:,08:45:53  
,Date of Minimum:,12/19/2014  
,Maximum:,0.029  
,Time of Maximum:,12:15:53  
,Date of Maximum:,12/19/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/19/2014,08:30:53,0.019  
12/19/2014,08:45:53,0.015  
12/19/2014,09:00:53,0.015  
12/19/2014,09:15:53,0.022  
12/19/2014,09:30:53,0.028  
12/19/2014,09:45:53,0.016  
12/19/2014,10:00:53,0.020  
12/19/2014,10:15:53,0.020  
12/19/2014,10:30:53,0.018  
12/19/2014,10:45:53,0.017  
12/19/2014,11:00:53,0.019  
12/19/2014,11:15:53,0.019  
12/19/2014,11:30:53,0.022  
12/19/2014,11:45:53,0.022  
12/19/2014,12:00:53,0.023  
12/19/2014,12:15:53,0.029  
12/19/2014,12:30:53,0.023  
12/19/2014,12:45:53,0.019  
12/19/2014,13:00:53,0.020  
12/19/2014,13:15:53,0.023  
12/19/2014,13:30:53,0.024  
12/19/2014,13:45:53,0.028  
12/19/2014,14:00:53,0.024  
12/19/2014,14:15:53,0.022  
12/19/2014,14:30:53,0.021  
12/19/2014,14:45:53,0.023  
12/19/2014,15:00:53,0.024  
12/19/2014,15:15:53,0.023  
12/19/2014,15:30:53,0.024  
12/19/2014,15:45:53,0.022

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_A  
Start Date:,12/19/2014  
Start Time:,09:22:20

12-19-14 Downwind-2 Dust

Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.025  
,Minimum:,0.014  
,Time of Minimum:,09:31:20  
,Date of Minimum:,12/19/2014  
,Maximum:,0.071  
,Time of Maximum:,09:23:20  
,Date of Maximum:,12/19/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/19/2014,09:23:20,0.071  
12/19/2014,09:24:20,0.038  
12/19/2014,09:25:20,0.041  
12/19/2014,09:26:20,0.016  
12/19/2014,09:27:20,0.015  
12/19/2014,09:28:20,0.025  
12/19/2014,09:29:20,0.036  
12/19/2014,09:30:20,0.018  
12/19/2014,09:31:20,0.014  
12/19/2014,09:32:20,0.015  
12/19/2014,09:33:20,0.015  
12/19/2014,09:34:20,0.018  
12/19/2014,09:35:20,0.016  
12/19/2014,09:36:20,0.019  
12/19/2014,09:37:20,0.017

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_B  
Start Date:,12/19/2014  
Start Time:,12:12:59  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.026  
,Minimum:,0.019  
,Time of Minimum:,12:19:59  
,Date of Minimum:,12/19/2014  
,Maximum:,0.068  
,Time of Maximum:,12:13:59  
,Date of Maximum:,12/19/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/19/2014,12:13:59,0.068  
12/19/2014,12:14:59,0.034  
12/19/2014,12:15:59,0.020  
12/19/2014,12:16:59,0.020

12-19-14 Downwind-2 Dust

12/19/2014,12:17:59,0.020  
12/19/2014,12:18:59,0.024  
12/19/2014,12:19:59,0.019  
12/19/2014,12:20:59,0.020  
12/19/2014,12:21:59,0.019  
12/19/2014,12:22:59,0.019  
12/19/2014,12:23:59,0.021  
12/19/2014,12:24:59,0.021  
12/19/2014,12:25:59,0.025  
12/19/2014,12:26:59,0.033  
12/19/2014,12:27:59,0.034

12-19-14 Downwind-2 VOC

14/12/19 08:25

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-913116  
 Unit Firmware Ver V1.20A  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 12/19/2014 08:25:54  
 End 12/19/2014 16:01:16  
 Sample Period(s) 900  
 Number of Records 30  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 5.000  
 Measurement Gas Isobutylene  
 Calibration Time 12/19/2014 08:01  
 Peak 0.205  
 Min 0.113  
 Average 0.176  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	12/19/2014 08:40:54	0.092	0.156	0.113	
002	12/19/2014 08:55:54	0.115	0.160	0.120	
003	12/19/2014 09:10:54	0.134	0.205	0.147	
004	12/19/2014 09:25:54	0.175	0.301	0.161	
005	12/19/2014 09:40:54	0.172	0.267	0.154	
006	12/19/2014 09:55:54	0.174	0.248	0.176	
007	12/19/2014 10:10:54	0.183	0.253	0.176	
008	12/19/2014 10:25:54	0.183	0.298	0.199	
009	12/19/2014 10:40:54	0.174	0.210	0.175	
010	12/19/2014 10:55:54	0.174	0.196	0.176	
011	12/19/2014 11:10:54	0.178	0.230	0.154	
012	12/19/2014 11:25:54	0.177	0.212	0.186	
013	12/19/2014 11:40:54	0.182	0.233	0.190	
014	12/19/2014 11:55:54	0.187	0.259	0.188	
015	12/19/2014 12:10:54	0.189	0.237	0.197	
016	12/19/2014 12:25:54	0.187	0.242	0.155	
017	12/19/2014 12:40:54	0.181	0.254	0.193	
018	12/19/2014 12:55:54	0.174	0.200	0.175	
019	12/19/2014 13:10:54	0.180	0.315	0.182	
020	12/19/2014 13:25:54	0.190	0.490	0.195	
021	12/19/2014 13:40:54	0.179	0.342	0.205	
022	12/19/2014 13:55:54	0.179	0.218	0.182	
023	12/19/2014 14:10:54	0.195	0.371	0.203	
024	12/19/2014 14:25:54	0.183	0.297	0.174	
025	12/19/2014 14:40:54	0.178	0.215	0.184	

12-19-14 Downwind-2 VOC					
026	12/19/2014	14:55:54	0.184	0.292	0.197
027	12/19/2014	15:10:54	0.192	0.471	0.164
028	12/19/2014	15:25:54	0.184	0.263	0.203
029	12/19/2014	15:40:54	0.186	0.282	0.167
030	12/19/2014	15:55:54	0.182	0.251	0.199
Peak		0.195	0.490	0.205	
Min		0.092	0.156	0.113	
Average		0.175	0.266	0.176	

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TWA/STEL

Index	Date/Time	VOC(ppm)	
		(TWA)	(STEL)
001	12/19/2014 08:40:54	0.004	0.113
002	12/19/2014 08:55:54	0.007	0.120
003	12/19/2014 09:10:54	0.012	0.147
004	12/19/2014 09:25:54	0.017	0.161
005	12/19/2014 09:40:54	0.022	0.154
006	12/19/2014 09:55:54	0.027	0.176
007	12/19/2014 10:10:54	0.033	0.176
008	12/19/2014 10:25:54	0.039	0.199
009	12/19/2014 10:40:54	0.044	0.175
010	12/19/2014 10:55:54	0.050	0.176
011	12/19/2014 11:10:54	0.055	0.154
012	12/19/2014 11:25:54	0.061	0.186
013	12/19/2014 11:40:54	0.066	0.190
014	12/19/2014 11:55:54	0.072	0.188
015	12/19/2014 12:10:54	0.079	0.197
016	12/19/2014 12:25:54	0.083	0.155
017	12/19/2014 12:40:54	0.089	0.193
018	12/19/2014 12:55:54	0.095	0.175
019	12/19/2014 13:10:54	0.101	0.182
020	12/19/2014 13:25:54	0.107	0.195
021	12/19/2014 13:40:54	0.113	0.205
022	12/19/2014 13:55:54	0.119	0.182
023	12/19/2014 14:10:54	0.125	0.203
024	12/19/2014 14:25:54	0.131	0.174
025	12/19/2014 14:40:54	0.136	0.184
026	12/19/2014 14:55:54	0.142	0.197
027	12/19/2014 15:10:54	0.148	0.164
028	12/19/2014 15:25:54	0.154	0.203
029	12/19/2014 15:40:54	0.159	0.167
030	12/19/2014 15:55:54	0.165	0.199



TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530143315  
Test ID: ,005  
Test Abbreviation: ,MANUAL\_005  
Start Date: ,12/19/2014  
Start Time: ,08:04:31  
Duration (dd:hh:mm:ss): ,0:07:30:00  
Log Interval (mm:ss): ,15:00  
Number of points: ,30  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.016  
,Minimum: ,0.011  
,Time of Minimum: ,09:19:31  
,Date of Minimum: ,12/19/2014  
,Maximum: ,0.023  
,Time of Maximum: ,13:49:31  
,Date of Maximum: ,12/19/2014

Calibration,Sensor: ,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/19/2014,08:19:31,0.013  
12/19/2014,08:34:31,0.021  
12/19/2014,08:49:31,0.016  
12/19/2014,09:04:31,0.012  
12/19/2014,09:19:31,0.011  
12/19/2014,09:34:31,0.011  
12/19/2014,09:49:31,0.012  
12/19/2014,10:04:31,0.012  
12/19/2014,10:19:31,0.014  
12/19/2014,10:34:31,0.015  
12/19/2014,10:49:31,0.014  
12/19/2014,11:04:31,0.014  
12/19/2014,11:19:31,0.016  
12/19/2014,11:34:31,0.016  
12/19/2014,11:49:31,0.016  
12/19/2014,12:04:31,0.016  
12/19/2014,12:19:31,0.016  
12/19/2014,12:34:31,0.017  
12/19/2014,12:49:31,0.014  
12/19/2014,13:04:31,0.016  
12/19/2014,13:19:31,0.015  
12/19/2014,13:34:31,0.020  
12/19/2014,13:49:31,0.023  
12/19/2014,14:04:31,0.019  
12/19/2014,14:19:31,0.018  
12/19/2014,14:34:31,0.018  
12/19/2014,14:49:31,0.019  
12/19/2014,15:04:31,0.018  
12/19/2014,15:19:31,0.018  
12/19/2014,15:34:31,0.017

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530143315  
Test ID: ,005  
Test Abbreviation: ,MANUAL\_005\_A  
Start Date: ,12/19/2014  
Start Time: ,08:04:32

12-19-14 Upwind Dust

Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.013  
,Minimum:,0.009  
,Time of Minimum:,08:06:32  
,Date of Minimum:,12/19/2014  
,Maximum:,0.027  
,Time of Maximum:,08:05:32  
,Date of Maximum:,12/19/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/19/2014,08:05:32,0.027  
12/19/2014,08:06:32,0.009  
12/19/2014,08:07:32,0.009  
12/19/2014,08:08:32,0.009  
12/19/2014,08:09:32,0.009  
12/19/2014,08:10:32,0.009  
12/19/2014,08:11:32,0.009  
12/19/2014,08:12:32,0.009  
12/19/2014,08:13:32,0.013  
12/19/2014,08:14:32,0.011  
12/19/2014,08:15:32,0.019  
12/19/2014,08:16:32,0.015  
12/19/2014,08:17:32,0.020  
12/19/2014,08:18:32,0.015  
12/19/2014,08:19:32,0.012

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_B  
Start Date:,12/19/2014  
Start Time:,08:23:10  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.022  
,Minimum:,0.012  
,Time of Minimum:,08:25:10  
,Date of Minimum:,12/19/2014  
,Maximum:,0.040  
,Time of Maximum:,08:35:10  
,Date of Maximum:,12/19/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/19/2014,08:24:10,0.034  
12/19/2014,08:25:10,0.012  
12/19/2014,08:26:10,0.016  
12/19/2014,08:27:10,0.020

12-19-14 Upwind Dust

12/19/2014,08:28:10,0.024  
12/19/2014,08:29:10,0.014  
12/19/2014,08:30:10,0.031  
12/19/2014,08:31:10,0.030  
12/19/2014,08:32:10,0.014  
12/19/2014,08:33:10,0.031  
12/19/2014,08:34:10,0.013  
12/19/2014,08:35:10,0.040  
12/19/2014,08:36:10,0.019  
12/19/2014,08:37:10,0.014  
12/19/2014,08:38:10,0.015

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530143315  
Test ID: ,005  
Test Abbreviation: ,MANUAL\_005\_C  
Start Date: ,12/19/2014  
Start Time: ,13:39:48  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.022  
,Minimum: ,0.019  
,Time of Minimum: ,13:43:48  
,Date of Minimum: ,12/19/2014  
,Maximum: ,0.050  
,Time of Maximum: ,13:40:48  
,Date of Maximum: ,12/19/2014

Calibration,Sensor: ,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/19/2014,13:40:48,0.050  
12/19/2014,13:41:48,0.020  
12/19/2014,13:42:48,0.027  
12/19/2014,13:43:48,0.019  
12/19/2014,13:44:48,0.020  
12/19/2014,13:45:48,0.020  
12/19/2014,13:46:48,0.020  
12/19/2014,13:47:48,0.021  
12/19/2014,13:48:48,0.020  
12/19/2014,13:49:48,0.020  
12/19/2014,13:50:48,0.020  
12/19/2014,13:51:48,0.020  
12/19/2014,13:52:48,0.020  
12/19/2014,13:53:48,0.019  
12/19/2014,13:54:48,0.019

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,12/02/2014  
Start Time:,08:09:57  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.018  
,Minimum:,0.012  
,Time of Minimum:,08:24:57  
,Date of Minimum:,12/02/2014  
,Maximum:,0.088  
,Time of Maximum:,11:39:57  
,Date of Maximum:,12/02/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/02/2014,08:24:57,0.012  
12/02/2014,08:39:57,0.013  
12/02/2014,08:54:57,0.032  
12/02/2014,09:09:57,0.013  
12/02/2014,09:24:57,0.013  
12/02/2014,09:39:57,0.013  
12/02/2014,09:54:57,0.014  
12/02/2014,10:09:57,0.014  
12/02/2014,10:24:57,0.014  
12/02/2014,10:39:57,0.014  
12/02/2014,10:54:57,0.015  
12/02/2014,11:09:57,0.015  
12/02/2014,11:24:57,0.015  
12/02/2014,11:39:57,0.088  
12/02/2014,11:54:57,0.015  
12/02/2014,12:09:57,0.015  
12/02/2014,12:24:57,0.015  
12/02/2014,12:39:57,0.015  
12/02/2014,12:54:57,0.015  
12/02/2014,13:09:57,0.027  
12/02/2014,13:24:57,0.016  
12/02/2014,13:39:57,0.016  
12/02/2014,13:54:57,0.016  
12/02/2014,14:09:57,0.016  
12/02/2014,14:24:57,0.016  
12/02/2014,14:39:57,0.016  
12/02/2014,14:54:57,0.017  
12/02/2014,15:09:57,0.017  
12/02/2014,15:24:57,0.017  
12/02/2014,15:39:57,0.019  
12/02/2014,15:54:57,0.018

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_A  
Start Date:,12/02/2014

12-2-14 Downwind-1 Dust

Start Time:,08:53:18  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.030  
,Minimum:,0.012  
,Time of Minimum:,09:04:18  
,Date of Minimum:,12/02/2014  
,Maximum:,0.224  
,Time of Maximum:,08:54:18  
,Date of Maximum:,12/02/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/02/2014,08:54:18,0.224  
12/02/2014,08:55:18,0.056  
12/02/2014,08:56:18,0.014  
12/02/2014,08:57:18,0.014  
12/02/2014,08:58:18,0.014  
12/02/2014,08:59:18,0.013  
12/02/2014,09:00:18,0.014  
12/02/2014,09:01:18,0.013  
12/02/2014,09:02:18,0.013  
12/02/2014,09:03:18,0.013  
12/02/2014,09:04:18,0.012  
12/02/2014,09:05:18,0.012  
12/02/2014,09:06:18,0.012  
12/02/2014,09:07:18,0.012  
12/02/2014,09:08:18,0.012

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_B  
Start Date:,12/02/2014  
Start Time:,11:31:29  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.088  
,Minimum:,0.014  
,Time of Minimum:,11:35:29  
,Date of Minimum:,12/02/2014  
,Maximum:,1.110  
,Time of Maximum:,11:32:29  
,Date of Maximum:,12/02/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/02/2014,11:32:29,1.110  
12/02/2014,11:33:29,0.017  
12/02/2014,11:34:29,0.015

12-2-14 Downwind-1 Dust

12/02/2014,11:35:29,0.014  
12/02/2014,11:36:29,0.016  
12/02/2014,11:37:29,0.015  
12/02/2014,11:38:29,0.014  
12/02/2014,11:39:29,0.015  
12/02/2014,11:40:29,0.015  
12/02/2014,11:41:29,0.015  
12/02/2014,11:42:29,0.015  
12/02/2014,11:43:29,0.015  
12/02/2014,11:44:29,0.016  
12/02/2014,11:45:29,0.015  
12/02/2014,11:46:29,0.015

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_C  
Start Date:,12/02/2014  
Start Time:,13:09:16  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel: ,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.027  
,Minimum:,0.015  
,Time of Minimum:,13:11:16  
,Date of Minimum:,12/02/2014  
,Maximum:,0.177  
,Time of Maximum:,13:10:16  
,Date of Maximum:,12/02/2014

Calibration,Sensor: ,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/02/2014,13:10:16,0.177  
12/02/2014,13:11:16,0.015  
12/02/2014,13:12:16,0.016  
12/02/2014,13:13:16,0.017  
12/02/2014,13:14:16,0.017  
12/02/2014,13:15:16,0.016  
12/02/2014,13:16:16,0.015  
12/02/2014,13:17:16,0.015  
12/02/2014,13:18:16,0.015  
12/02/2014,13:19:16,0.015  
12/02/2014,13:20:16,0.016  
12/02/2014,13:21:16,0.018  
12/02/2014,13:22:16,0.016  
12/02/2014,13:23:16,0.015  
12/02/2014,13:24:16,0.015

12-2-14 Downwind-1A VOC

14/12/02 08:12

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907926  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Pause in Menu Mode  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 12/2/2014 08:12:18  
 End 12/2/2014 11:26:41  
 Sample Period(s) 900  
 Number of Records 12  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 12/2/2014 07:45  
 Peak 0.172  
 Min 0.091  
 Average 0.139

\*\*\*\*\*

Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	12/2/2014 08:27:18	0.107	0.205	0.091	
002	12/2/2014 08:42:18	0.103	0.183	0.107	
003	12/2/2014 08:57:18	0.114	0.152	0.115	
004	12/2/2014 09:12:18	0.120	0.154	0.122	
005	12/2/2014 09:27:18	0.129	0.155	0.135	
006	12/2/2014 09:42:18	0.138	0.169	0.155	
007	12/2/2014 09:57:18	0.143	0.167	0.147	
008	12/2/2014 10:12:18	0.148	0.174	0.151	
009	12/2/2014 10:27:18	0.152	0.178	0.153	
010	12/2/2014 10:42:18	0.154	0.167	0.156	
011	12/2/2014 10:57:18	0.161	0.179	0.172	
012	12/2/2014 11:12:18	0.161	0.184	0.166	
Peak		0.161	0.205	0.172	
Min		0.103	0.152	0.091	
Average		0.136	0.172	0.139	

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	12/2/2014 08:27:18	0.003	0.091
002	12/2/2014 08:42:18	0.006	0.107
003	12/2/2014 08:57:18	0.010	0.115
004	12/2/2014 09:12:18	0.014	0.122
005	12/2/2014 09:27:18	0.018	0.135

12-2-14 Downwind-1A VOC				
006	12/2/2014	09:42:18	0.023	0.155
007	12/2/2014	09:57:18	0.027	0.147
008	12/2/2014	10:12:18	0.032	0.151
009	12/2/2014	10:27:18	0.037	0.153
010	12/2/2014	10:42:18	0.042	0.156
011	12/2/2014	10:57:18	0.047	0.172
012	12/2/2014	11:12:18	0.052	0.166



12-2-14 Downwind-1B VOC

14/12/02 11:27

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907926  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 12/2/2014 11:27:21  
 End 12/2/2014 15:58:45  
 Sample Period(s) 900  
 Number of Records 18  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 12/2/2014 07:45  
 Peak 0.216  
 Min 0.168  
 Average 0.186

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	12/2/2014 11:42:21	0.175	0.650	0.168	
002	12/2/2014 11:57:21	0.167	0.197	0.176	
003	12/2/2014 12:12:21	0.170	0.196	0.189	
004	12/2/2014 12:27:21	0.170	0.216	0.173	
005	12/2/2014 12:42:21	0.176	0.183	0.178	
006	12/2/2014 12:57:21	0.179	0.185	0.183	
007	12/2/2014 13:12:21	0.183	0.253	0.216	
008	12/2/2014 13:27:21	0.182	0.220	0.179	
009	12/2/2014 13:42:21	0.180	0.204	0.175	
010	12/2/2014 13:57:21	0.180	0.188	0.179	
011	12/2/2014 14:12:21	0.182	0.198	0.182	
012	12/2/2014 14:27:21	0.184	0.191	0.183	
013	12/2/2014 14:42:21	0.187	0.206	0.186	
014	12/2/2014 14:57:21	0.190	0.199	0.192	
015	12/2/2014 15:12:21	0.193	0.204	0.194	
016	12/2/2014 15:27:21	0.193	0.208	0.191	
017	12/2/2014 15:42:21	0.195	0.200	0.195	
018	12/2/2014 15:57:21	0.198	0.205	0.202	
Peak		0.198	0.650	0.216	
Min		0.167	0.183	0.168	
Average		0.182	0.228	0.186	

\*\*\*\*\*

TWA/STEL

VOC(ppm) VOC(ppm)

Index	Date/Time	12-2-14 Downwind-1B VOC		
		(TWA)	(STEL)	
001	12/2/2014 11:42:21	0.005	0.168	
002	12/2/2014 11:57:21	0.011	0.176	
003	12/2/2014 12:12:21	0.017	0.189	
004	12/2/2014 12:27:21	0.022	0.173	
005	12/2/2014 12:42:21	0.028	0.178	
006	12/2/2014 12:57:21	0.033	0.183	
007	12/2/2014 13:12:21	0.040	0.216	
008	12/2/2014 13:27:21	0.046	0.179	
009	12/2/2014 13:42:21	0.051	0.175	
010	12/2/2014 13:57:21	0.057	0.179	
011	12/2/2014 14:12:21	0.062	0.182	
012	12/2/2014 14:27:21	0.068	0.183	
013	12/2/2014 14:42:21	0.074	0.186	
014	12/2/2014 14:57:21	0.080	0.192	
015	12/2/2014 15:12:21	0.086	0.194	
016	12/2/2014 15:27:21	0.092	0.191	
017	12/2/2014 15:42:21	0.098	0.195	
018	12/2/2014 15:57:21	0.104	0.202	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,12/02/2014  
Start Time:,08:15:07  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.013  
,Minimum:,0.011  
,Time of Minimum:,09:15:07  
,Date of Minimum:,12/02/2014  
,Maximum:,0.017  
,Time of Maximum:,15:45:07  
,Date of Maximum:,12/02/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/02/2014,08:30:07,0.012  
12/02/2014,08:45:07,0.012  
12/02/2014,09:00:07,0.012  
12/02/2014,09:15:07,0.011  
12/02/2014,09:30:07,0.012  
12/02/2014,09:45:07,0.012  
12/02/2014,10:00:07,0.013  
12/02/2014,10:15:07,0.013  
12/02/2014,10:30:07,0.013  
12/02/2014,10:45:07,0.013  
12/02/2014,11:00:07,0.015  
12/02/2014,11:15:07,0.013  
12/02/2014,11:30:07,0.013  
12/02/2014,11:45:07,0.013  
12/02/2014,12:00:07,0.013  
12/02/2014,12:15:07,0.013  
12/02/2014,12:30:07,0.013  
12/02/2014,12:45:07,0.013  
12/02/2014,13:00:07,0.013  
12/02/2014,13:15:07,0.013  
12/02/2014,13:30:07,0.014  
12/02/2014,13:45:07,0.014  
12/02/2014,14:00:07,0.014  
12/02/2014,14:15:07,0.014  
12/02/2014,14:30:07,0.015  
12/02/2014,14:45:07,0.015  
12/02/2014,15:00:07,0.015  
12/02/2014,15:15:07,0.016  
12/02/2014,15:30:07,0.016  
12/02/2014,15:45:07,0.017

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_A  
Start Date:,12/02/2014  
Start Time:,08:15:08

12-2-14 Downwind-2 Dust

Duration (dd:hh:mm:ss):,0:00:15:00

Log Interval (mm:ss):,01:00

Number of points:,15

Notes:,

Statistics,Channel:,AEROSOL

,Units:,mg/m<sup>3</sup>

,Average:,0.012

,Minimum:,0.010

,Time of Minimum:,08:17:08

,Date of Minimum:,12/02/2014

,Maximum:,0.024

,Time of Maximum:,08:16:08

,Date of Maximum:,12/02/2014

Calibration,Sensor:,AEROSOL

,Cal. date,10/09/2014

Date,Time,AEROSOL

MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>

12/02/2014,08:16:08,0.024

12/02/2014,08:17:08,0.010

12/02/2014,08:18:08,0.010

12/02/2014,08:19:08,0.010

12/02/2014,08:20:08,0.010

12/02/2014,08:21:08,0.010

12/02/2014,08:22:08,0.012

12/02/2014,08:23:08,0.011

12/02/2014,08:24:08,0.011

12/02/2014,08:25:08,0.010

12/02/2014,08:26:08,0.011

12/02/2014,08:27:08,0.011

12/02/2014,08:28:08,0.011

12/02/2014,08:29:08,0.011

12/02/2014,08:30:08,0.012

12-2-14 Downwind-2 VOC

14/12/02 08:21

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-913116  
 Unit Firmware Ver V1.20A  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 12/2/2014 08:21:33  
 End 12/2/2014 16:05:35  
 Sample Period(s) 900  
 Number of Records 30  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 5.000  
 Measurement Gas Isobutylene  
 Calibration Time 12/2/2014 07:45  
 Peak 0.273  
 Min 0.095  
 Average 0.227

\*\*\*\*\*

Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	12/2/2014 08:36:33	0.085	0.154	0.095	
002	12/2/2014 08:51:33	0.104	0.121	0.114	
003	12/2/2014 09:06:33	0.134	0.155	0.148	
004	12/2/2014 09:21:33	0.164	0.189	0.189	
005	12/2/2014 09:36:33	0.189	0.204	0.199	
006	12/2/2014 09:51:33	0.200	0.214	0.205	
007	12/2/2014 10:06:33	0.208	0.251	0.210	
008	12/2/2014 10:21:33	0.214	0.222	0.219	
009	12/2/2014 10:36:33	0.221	0.233	0.221	
010	12/2/2014 10:51:33	0.225	0.237	0.226	
011	12/2/2014 11:06:33	0.226	0.258	0.226	
012	12/2/2014 11:21:33	0.227	0.247	0.227	
013	12/2/2014 11:36:33	0.230	0.254	0.234	
014	12/2/2014 11:51:33	0.232	0.254	0.231	
015	12/2/2014 12:06:33	0.232	0.244	0.236	
016	12/2/2014 12:21:33	0.238	0.258	0.238	
017	12/2/2014 12:36:33	0.239	0.247	0.245	
018	12/2/2014 12:51:33	0.240	0.248	0.236	
019	12/2/2014 13:06:33	0.241	0.250	0.240	
020	12/2/2014 13:21:33	0.241	0.262	0.243	
021	12/2/2014 13:36:33	0.245	0.263	0.249	
022	12/2/2014 13:51:33	0.248	0.258	0.251	
023	12/2/2014 14:06:33	0.251	0.281	0.256	
024	12/2/2014 14:21:33	0.254	0.265	0.253	
025	12/2/2014 14:36:33	0.261	0.268	0.267	

12-2-14 Downwind-2 VOC

026	12/2/2014	14:51:33	0.266	0.272	0.268
027	12/2/2014	15:06:33	0.269	0.275	0.269
028	12/2/2014	15:21:33	0.270	0.275	0.272
029	12/2/2014	15:36:33	0.272	0.277	0.273
030	12/2/2014	15:51:33	0.274	0.280	0.268
Peak			0.274	0.281	0.273
Min			0.085	0.121	0.095
Average			0.223	0.241	0.227

\*\*\*\*\*

TWA/STEL

Index	Date/Time	VOC(ppm)	
		(TWA)	(STEL)
001	12/2/2014 08:36:33	0.003	0.095
002	12/2/2014 08:51:33	0.007	0.114
003	12/2/2014 09:06:33	0.011	0.148
004	12/2/2014 09:21:33	0.017	0.189
005	12/2/2014 09:36:33	0.023	0.199
006	12/2/2014 09:51:33	0.030	0.205
007	12/2/2014 10:06:33	0.036	0.210
008	12/2/2014 10:21:33	0.043	0.219
009	12/2/2014 10:36:33	0.050	0.221
010	12/2/2014 10:51:33	0.057	0.226
011	12/2/2014 11:06:33	0.064	0.226
012	12/2/2014 11:21:33	0.071	0.227
013	12/2/2014 11:36:33	0.079	0.234
014	12/2/2014 11:51:33	0.086	0.231
015	12/2/2014 12:06:33	0.093	0.236
016	12/2/2014 12:21:33	0.101	0.238
017	12/2/2014 12:36:33	0.108	0.245
018	12/2/2014 12:51:33	0.116	0.236
019	12/2/2014 13:06:33	0.123	0.240
020	12/2/2014 13:21:33	0.131	0.243
021	12/2/2014 13:36:33	0.138	0.249
022	12/2/2014 13:51:33	0.146	0.251
023	12/2/2014 14:06:33	0.154	0.256
024	12/2/2014 14:21:33	0.162	0.253
025	12/2/2014 14:36:33	0.171	0.267
026	12/2/2014 14:51:33	0.179	0.268
027	12/2/2014 15:06:33	0.187	0.269
028	12/2/2014 15:21:33	0.196	0.272
029	12/2/2014 15:36:33	0.204	0.273
030	12/2/2014 15:51:33	0.213	0.268

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,12/02/2014  
Start Time:,07:55:46  
Duration (dd:hh:mm:ss):,0:08:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,32  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.013  
,Minimum:,0.010  
,Time of Minimum:,08:10:46  
,Date of Minimum:,12/02/2014  
,Maximum:,0.016  
,Time of Maximum:,15:25:46  
,Date of Maximum:,12/02/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/02/2014,08:10:46,0.010  
12/02/2014,08:25:46,0.011  
12/02/2014,08:40:46,0.012  
12/02/2014,08:55:46,0.012  
12/02/2014,09:10:46,0.011  
12/02/2014,09:25:46,0.011  
12/02/2014,09:40:46,0.011  
12/02/2014,09:55:46,0.011  
12/02/2014,10:10:46,0.012  
12/02/2014,10:25:46,0.012  
12/02/2014,10:40:46,0.012  
12/02/2014,10:55:46,0.012  
12/02/2014,11:10:46,0.012  
12/02/2014,11:25:46,0.012  
12/02/2014,11:40:46,0.013  
12/02/2014,11:55:46,0.013  
12/02/2014,12:10:46,0.013  
12/02/2014,12:25:46,0.013  
12/02/2014,12:40:46,0.013  
12/02/2014,12:55:46,0.013  
12/02/2014,13:10:46,0.013  
12/02/2014,13:25:46,0.013  
12/02/2014,13:40:46,0.013  
12/02/2014,13:55:46,0.013  
12/02/2014,14:10:46,0.013  
12/02/2014,14:25:46,0.013  
12/02/2014,14:40:46,0.014  
12/02/2014,14:55:46,0.015  
12/02/2014,15:10:46,0.015  
12/02/2014,15:25:46,0.016  
12/02/2014,15:40:46,0.016  
12/02/2014,15:55:46,0.016

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,12/22/2014  
Start Time:,08:23:52  
Duration (dd:hh:mm:ss):,0:06:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,27  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.061  
,Minimum:,0.043  
,Time of Minimum:,08:38:52  
,Date of Minimum:,12/22/2014  
,Maximum:,0.069  
,Time of Maximum:,13:53:52  
,Date of Maximum:,12/22/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/22/2014,08:38:52,0.043  
12/22/2014,08:53:52,0.045  
12/22/2014,09:08:52,0.049  
12/22/2014,09:23:52,0.052  
12/22/2014,09:38:52,0.053  
12/22/2014,09:53:52,0.058  
12/22/2014,10:08:52,0.063  
12/22/2014,10:23:52,0.058  
12/22/2014,10:38:52,0.058  
12/22/2014,10:53:52,0.060  
12/22/2014,11:08:52,0.061  
12/22/2014,11:23:52,0.065  
12/22/2014,11:38:52,0.062  
12/22/2014,11:53:52,0.062  
12/22/2014,12:08:52,0.066  
12/22/2014,12:23:52,0.066  
12/22/2014,12:38:52,0.067  
12/22/2014,12:53:52,0.066  
12/22/2014,13:08:52,0.067  
12/22/2014,13:23:52,0.067  
12/22/2014,13:38:52,0.067  
12/22/2014,13:53:52,0.069  
12/22/2014,14:08:52,0.067  
12/22/2014,14:23:52,0.067  
12/22/2014,14:38:52,0.067  
12/22/2014,14:53:52,0.065  
12/22/2014,15:08:52,0.064

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,12/22/2014  
Start Time:,11:11:33  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15



12-22-14 Downwind-1 Dust

Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.065  
,Minimum: ,0.060  
,Time of Minimum: ,11:19:33  
,Date of Minimum: ,12/22/2014  
,Maximum: ,0.077  
,Time of Maximum: ,11:12:33  
,Date of Maximum: ,12/22/2014

Calibration,Sensor: ,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/22/2014,11:12:33,0.077  
12/22/2014,11:13:33,0.065  
12/22/2014,11:14:33,0.064  
12/22/2014,11:15:33,0.064  
12/22/2014,11:16:33,0.066  
12/22/2014,11:17:33,0.066  
12/22/2014,11:18:33,0.069  
12/22/2014,11:19:33,0.060  
12/22/2014,11:20:33,0.060  
12/22/2014,11:21:33,0.061  
12/22/2014,11:22:33,0.063  
12/22/2014,11:23:33,0.066  
12/22/2014,11:24:33,0.062  
12/22/2014,11:25:33,0.062  
12/22/2014,11:26:33,0.066

14/12/22 08:30

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907926  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 12/22/2014 08:30:10  
 End 12/22/2014 15:23:00  
 Sample Period(s) 900  
 Number of Records 27  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 12/22/2014 08:03  
 Peak 0.215  
 Min 0.083  
 Average 0.176  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	12/22/2014 08:45:10	0.072	0.170	0.083	
002	12/22/2014 09:00:10	0.085	0.096	0.092	
003	12/22/2014 09:15:10	0.100	0.118	0.116	
004	12/22/2014 09:30:10	0.117	0.128	0.124	
005	12/22/2014 09:45:10	0.131	0.161	0.133	
006	12/22/2014 10:00:10	0.142	0.183	0.146	
007	12/22/2014 10:15:10	0.153	0.181	0.157	
008	12/22/2014 10:30:10	0.162	0.169	0.165	
009	12/22/2014 10:45:10	0.168	0.196	0.170	
010	12/22/2014 11:00:10	0.171	0.204	0.171	
011	12/22/2014 11:15:10	0.173	0.189	0.177	
012	12/22/2014 11:30:10	0.181	0.247	0.181	
013	12/22/2014 11:45:10	0.183	0.202	0.181	
014	12/22/2014 12:00:10	0.185	0.192	0.192	
015	12/22/2014 12:15:10	0.190	0.207	0.188	
016	12/22/2014 12:30:10	0.191	0.217	0.193	
017	12/22/2014 12:45:10	0.199	0.293	0.200	
018	12/22/2014 13:00:10	0.200	0.221	0.199	
019	12/22/2014 13:15:10	0.202	0.219	0.202	
020	12/22/2014 13:30:10	0.205	0.213	0.205	
021	12/22/2014 13:45:10	0.210	0.273	0.208	
022	12/22/2014 14:00:10	0.208	0.231	0.206	
023	12/22/2014 14:15:10	0.207	0.217	0.207	
024	12/22/2014 14:30:10	0.209	0.218	0.212	
025	12/22/2014 14:45:10	0.211	0.227	0.213	

12-22-14 Downwind-1 VOC.prs

026	12/22/2014	15:00:10	0.212	0.217	0.213
027	12/22/2014	15:15:10	0.212	0.222	0.215
Peak			0.212	0.293	0.215
Min			0.072	0.096	0.083
Average			0.173	0.200	0.176

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	12/22/2014 08:45:10	0.003	0.083
002	12/22/2014 09:00:10	0.005	0.092
003	12/22/2014 09:15:10	0.009	0.116
004	12/22/2014 09:30:10	0.013	0.124
005	12/22/2014 09:45:10	0.017	0.133
006	12/22/2014 10:00:10	0.022	0.146
007	12/22/2014 10:15:10	0.027	0.157
008	12/22/2014 10:30:10	0.032	0.165
009	12/22/2014 10:45:10	0.037	0.170
010	12/22/2014 11:00:10	0.042	0.171
011	12/22/2014 11:15:10	0.048	0.177
012	12/22/2014 11:30:10	0.054	0.181
013	12/22/2014 11:45:10	0.059	0.181
014	12/22/2014 12:00:10	0.065	0.192
015	12/22/2014 12:15:10	0.071	0.188
016	12/22/2014 12:30:10	0.077	0.193
017	12/22/2014 12:45:10	0.083	0.200
018	12/22/2014 13:00:10	0.090	0.199
019	12/22/2014 13:15:10	0.096	0.202
020	12/22/2014 13:30:10	0.102	0.205
021	12/22/2014 13:45:10	0.109	0.208
022	12/22/2014 14:00:10	0.115	0.206
023	12/22/2014 14:15:10	0.122	0.207
024	12/22/2014 14:30:10	0.128	0.212
025	12/22/2014 14:45:10	0.135	0.213
026	12/22/2014 15:00:10	0.142	0.213
027	12/22/2014 15:15:10	0.148	0.215

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,12/22/2014  
Start Time:,08:16:47  
Duration (dd:hh:mm:ss):,0:07:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,28  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.053  
,Minimum:,0.042  
,Time of Minimum:,08:31:47  
,Date of Minimum:,12/22/2014  
,Maximum:,0.057  
,Time of Maximum:,14:31:47  
,Date of Maximum:,12/22/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/22/2014,08:31:47,0.042  
12/22/2014,08:46:47,0.048  
12/22/2014,09:01:47,0.043  
12/22/2014,09:16:47,0.045  
12/22/2014,09:31:47,0.046  
12/22/2014,09:46:47,0.051  
12/22/2014,10:01:47,0.054  
12/22/2014,10:16:47,0.050  
12/22/2014,10:31:47,0.053  
12/22/2014,10:46:47,0.054  
12/22/2014,11:01:47,0.053  
12/22/2014,11:16:47,0.053  
12/22/2014,11:31:47,0.054  
12/22/2014,11:46:47,0.052  
12/22/2014,12:01:47,0.055  
12/22/2014,12:16:47,0.056  
12/22/2014,12:31:47,0.055  
12/22/2014,12:46:47,0.055  
12/22/2014,13:01:47,0.056  
12/22/2014,13:16:47,0.056  
12/22/2014,13:31:47,0.056  
12/22/2014,13:46:47,0.056  
12/22/2014,14:01:47,0.056  
12/22/2014,14:16:47,0.056  
12/22/2014,14:31:47,0.057  
12/22/2014,14:46:47,0.054  
12/22/2014,15:01:47,0.055  
12/22/2014,15:16:47,0.054

14/12/22 08:27

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-913116  
 Unit Firmware Ver V1.20A  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 12/22/2014 08:27:34  
 End 12/22/2014 15:29:46  
 Sample Period(s) 900  
 Number of Records 28  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 5.000  
 Measurement Gas Isobutylene  
 Calibration Time 12/22/2014 08:06  
 Peak 0.213  
 Min 0.085  
 Average 0.168  
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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	12/22/2014 08:42:34	0.076	0.149	0.085	
002	12/22/2014 08:57:34	0.095	0.142	0.111	
003	12/22/2014 09:12:34	0.110	0.146	0.115	
004	12/22/2014 09:27:34	0.125	0.158	0.143	
005	12/22/2014 09:42:34	0.142	0.216	0.157	
006	12/22/2014 09:57:34	0.154	0.349	0.143	
007	12/22/2014 10:12:34	0.156	0.229	0.158	
008	12/22/2014 10:27:34	0.158	0.184	0.156	
009	12/22/2014 10:42:34	0.172	0.236	0.193	
010	12/22/2014 10:57:34	0.182	0.239	0.170	
011	12/22/2014 11:12:34	0.177	0.223	0.192	
012	12/22/2014 11:27:34	0.183	0.231	0.213	
013	12/22/2014 11:42:34	0.178	0.243	0.171	
014	12/22/2014 11:57:34	0.168	0.197	0.167	
015	12/22/2014 12:12:34	0.168	0.205	0.182	
016	12/22/2014 12:27:34	0.173	0.214	0.168	
017	12/22/2014 12:42:34	0.176	0.222	0.176	
018	12/22/2014 12:57:34	0.178	0.237	0.183	
019	12/22/2014 13:12:34	0.174	0.213	0.175	
020	12/22/2014 13:27:34	0.176	0.233	0.179	
021	12/22/2014 13:42:34	0.180	0.207	0.178	
022	12/22/2014 13:57:34	0.182	0.203	0.187	
023	12/22/2014 14:12:34	0.183	0.199	0.180	
024	12/22/2014 14:27:34	0.184	0.238	0.179	
025	12/22/2014 14:42:34	0.186	0.207	0.186	

12-22-14 Downwind-2 VOC.prs					
026	12/22/2014	14:57:34	0.187	0.206	0.190
027	12/22/2014	15:12:34	0.189	0.215	0.189
028	12/22/2014	15:27:34	0.194	0.265	0.181
Peak		0.194	0.349	0.213	
Min		0.076	0.142	0.085	
Average		0.165	0.214	0.168	

\*\*\*\*\*

TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	12/22/2014 08:42:34	0.003	0.085
002	12/22/2014 08:57:34	0.006	0.111
003	12/22/2014 09:12:34	0.010	0.115
004	12/22/2014 09:27:34	0.014	0.143
005	12/22/2014 09:42:34	0.019	0.157
006	12/22/2014 09:57:34	0.024	0.143
007	12/22/2014 10:12:34	0.028	0.158
008	12/22/2014 10:27:34	0.033	0.156
009	12/22/2014 10:42:34	0.039	0.193
010	12/22/2014 10:57:34	0.045	0.170
011	12/22/2014 11:12:34	0.051	0.192
012	12/22/2014 11:27:34	0.057	0.213
013	12/22/2014 11:42:34	0.063	0.171
014	12/22/2014 11:57:34	0.068	0.167
015	12/22/2014 12:12:34	0.074	0.182
016	12/22/2014 12:27:34	0.079	0.168
017	12/22/2014 12:42:34	0.084	0.176
018	12/22/2014 12:57:34	0.090	0.183
019	12/22/2014 13:12:34	0.096	0.175
020	12/22/2014 13:27:34	0.101	0.179
021	12/22/2014 13:42:34	0.107	0.178
022	12/22/2014 13:57:34	0.113	0.187
023	12/22/2014 14:12:34	0.118	0.180
024	12/22/2014 14:27:34	0.124	0.179
025	12/22/2014 14:42:34	0.130	0.186
026	12/22/2014 14:57:34	0.136	0.190
027	12/22/2014 15:12:34	0.141	0.189
028	12/22/2014 15:27:34	0.147	0.181

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,12/22/2014  
Start Time:,08:10:17  
Duration (dd:hh:mm:ss):,0:06:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,27  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.056  
,Minimum:,0.040  
,Time of Minimum:,08:25:17  
,Date of Minimum:,12/22/2014  
,Maximum:,0.063  
,Time of Maximum:,12:40:17  
,Date of Maximum:,12/22/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/22/2014,08:25:17,0.040  
12/22/2014,08:40:17,0.041  
12/22/2014,08:55:17,0.043  
12/22/2014,09:10:17,0.045  
12/22/2014,09:25:17,0.048  
12/22/2014,09:40:17,0.050  
12/22/2014,09:55:17,0.053  
12/22/2014,10:10:17,0.053  
12/22/2014,10:25:17,0.055  
12/22/2014,10:40:17,0.056  
12/22/2014,10:55:17,0.057  
12/22/2014,11:10:17,0.057  
12/22/2014,11:25:17,0.057  
12/22/2014,11:40:17,0.058  
12/22/2014,11:55:17,0.060  
12/22/2014,12:10:17,0.062  
12/22/2014,12:25:17,0.062  
12/22/2014,12:40:17,0.063  
12/22/2014,12:55:17,0.063  
12/22/2014,13:10:17,0.063  
12/22/2014,13:25:17,0.063  
12/22/2014,13:40:17,0.062  
12/22/2014,13:55:17,0.062  
12/22/2014,14:10:17,0.062  
12/22/2014,14:25:17,0.061  
12/22/2014,14:40:17,0.060  
12/22/2014,14:55:17,0.059

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,12/22/2014  
Start Time:,08:10:18  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15

12-22-14 Upwind Dust

Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.040  
,Minimum: ,0.038  
,Time of Minimum: ,08:12:18  
,Date of Minimum: ,12/22/2014  
,Maximum: ,0.047  
,Time of Maximum: ,08:11:18  
,Date of Maximum: ,12/22/2014

Calibration,Sensor: ,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/22/2014,08:11:18,0.047  
12/22/2014,08:12:18,0.038  
12/22/2014,08:13:18,0.038  
12/22/2014,08:14:18,0.038  
12/22/2014,08:15:18,0.039  
12/22/2014,08:16:18,0.039  
12/22/2014,08:17:18,0.038  
12/22/2014,08:18:18,0.039  
12/22/2014,08:19:18,0.039  
12/22/2014,08:20:18,0.040  
12/22/2014,08:21:18,0.039  
12/22/2014,08:22:18,0.039  
12/22/2014,08:23:18,0.040  
12/22/2014,08:24:18,0.040  
12/22/2014,08:25:18,0.040



TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,12/23/2014  
Start Time:,08:12:25  
Duration (dd:hh:mm:ss):,0:04:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,19  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.029  
,Minimum:,0.014  
,Time of Minimum:,12:42:25  
,Date of Minimum:,12/23/2014  
,Maximum:,0.047  
,Time of Maximum:,08:27:25  
,Date of Maximum:,12/23/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/23/2014,08:27:25,0.047  
12/23/2014,08:42:25,0.039  
12/23/2014,08:57:25,0.039  
12/23/2014,09:12:25,0.039  
12/23/2014,09:27:25,0.041  
12/23/2014,09:42:25,0.042  
12/23/2014,09:57:25,0.039  
12/23/2014,10:12:25,0.035  
12/23/2014,10:27:25,0.031  
12/23/2014,10:42:25,0.028  
12/23/2014,10:57:25,0.025  
12/23/2014,11:12:25,0.023  
12/23/2014,11:27:25,0.022  
12/23/2014,11:42:25,0.020  
12/23/2014,11:57:25,0.019  
12/23/2014,12:12:25,0.017  
12/23/2014,12:27:25,0.017  
12/23/2014,12:42:25,0.014  
12/23/2014,12:57:25,0.017

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_A  
Start Date:,12/23/2014  
Start Time:,08:14:59  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.046  
,Minimum:,0.038  
,Time of Minimum:,08:22:59  
,Date of Minimum:,12/23/2014

12-23-14 Downwind-1 Dust

,Maximum:,0.088  
,Time of Maximum:,08:15:59  
,Date of Maximum:,12/23/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
12/23/2014,08:15:59,0.088  
12/23/2014,08:16:59,0.039  
12/23/2014,08:17:59,0.050  
12/23/2014,08:18:59,0.065  
12/23/2014,08:19:59,0.039  
12/23/2014,08:20:59,0.062  
12/23/2014,08:21:59,0.040  
12/23/2014,08:22:59,0.038  
12/23/2014,08:23:59,0.038  
12/23/2014,08:24:59,0.038  
12/23/2014,08:25:59,0.038  
12/23/2014,08:26:59,0.038  
12/23/2014,08:27:59,0.038  
12/23/2014,08:28:59,0.039  
12/23/2014,08:29:59,0.042

12-23-14 Downwind-1 VOC

14/12/23 08:13

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907926  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 12/23/2014 08:13:17  
 End 12/23/2014 13:25:31  
 Sample Period(s) 900  
 Number of Records 20  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 12/23/2014 08:04  
 Peak 0.194  
 Min 0.057  
 Average 0.138

\*\*\*\*\*

Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	12/23/2014 08:28:17	0.089	0.160	0.057	
002	12/23/2014 08:43:17	0.056	0.061	0.059	
003	12/23/2014 08:58:17	0.069	0.080	0.079	
004	12/23/2014 09:13:17	0.091	0.103	0.101	
005	12/23/2014 09:28:17	0.107	0.120	0.113	
006	12/23/2014 09:43:17	0.120	0.150	0.118	
007	12/23/2014 09:58:17	0.123	0.152	0.123	
008	12/23/2014 10:13:17	0.125	0.155	0.145	
009	12/23/2014 10:28:17	0.127	0.148	0.131	
010	12/23/2014 10:43:17	0.131	0.158	0.134	
011	12/23/2014 10:58:17	0.140	0.185	0.141	
012	12/23/2014 11:13:17	0.146	0.152	0.150	
013	12/23/2014 11:28:17	0.152	0.160	0.157	
014	12/23/2014 11:43:17	0.160	0.166	0.166	
015	12/23/2014 11:58:17	0.166	0.196	0.169	
016	12/23/2014 12:13:17	0.169	0.175	0.172	
017	12/23/2014 12:28:17	0.174	0.180	0.178	
018	12/23/2014 12:43:17	0.178	0.183	0.179	
019	12/23/2014 12:58:17	0.183	0.190	0.190	
020	12/23/2014 13:13:17	0.192	0.198	0.194	
Peak		0.192	0.198	0.194	
Min		0.056	0.061	0.057	
Average		0.135	0.154	0.138	

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## 12-23-14 Downwind-1 VOC

TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)	
001	12/23/2014 08:28:17		0.002	0.057
002	12/23/2014 08:43:17		0.004	0.059
003	12/23/2014 08:58:17		0.006	0.079
004	12/23/2014 09:13:17		0.009	0.101
005	12/23/2014 09:28:17		0.013	0.113
006	12/23/2014 09:43:17		0.016	0.118
007	12/23/2014 09:58:17		0.020	0.123
008	12/23/2014 10:13:17		0.025	0.145
009	12/23/2014 10:28:17		0.029	0.131
010	12/23/2014 10:43:17		0.033	0.134
011	12/23/2014 10:58:17		0.038	0.141
012	12/23/2014 11:13:17		0.042	0.150
013	12/23/2014 11:28:17		0.047	0.157
014	12/23/2014 11:43:17		0.052	0.166
015	12/23/2014 11:58:17		0.058	0.169
016	12/23/2014 12:13:17		0.063	0.172
017	12/23/2014 12:28:17		0.069	0.178
018	12/23/2014 12:43:17		0.074	0.179
019	12/23/2014 12:58:17		0.080	0.190
020	12/23/2014 13:13:17		0.086	0.194

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
 Model Number:,8530  
 Serial Number:,8530122515  
 Test ID:,002  
 Test Abbreviation:,MANUAL\_002  
 Start Date:,12/23/2014  
 Start Time:,08:11:41  
 Duration (dd:hh:mm:ss):,0:04:45:00  
 Log Interval (mm:ss):,15:00  
 Number of points:,19  
 Notes:,

Statistics,Channel:,AEROSOL  
 ,Units:,mg/m<sup>3</sup>  
 ,Average:,0.026  
 ,Minimum:,0.014  
 ,Time of Minimum:,12:41:41  
 ,Date of Minimum:,12/23/2014  
 ,Maximum:,0.040  
 ,Time of Maximum:,08:26:41  
 ,Date of Maximum:,12/23/2014

Calibration,Sensor:,AEROSOL  
 ,Cal. date,10/09/2014

Date,Time,AEROSOL  
 MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
 12/23/2014,08:26:41,0.040  
 12/23/2014,08:41:41,0.036  
 12/23/2014,08:56:41,0.036  
 12/23/2014,09:11:41,0.035  
 12/23/2014,09:26:41,0.037  
 12/23/2014,09:41:41,0.035  
 12/23/2014,09:56:41,0.035  
 12/23/2014,10:11:41,0.031  
 12/23/2014,10:26:41,0.028  
 12/23/2014,10:41:41,0.025  
 12/23/2014,10:56:41,0.022  
 12/23/2014,11:11:41,0.020  
 12/23/2014,11:26:41,0.021  
 12/23/2014,11:41:41,0.018  
 12/23/2014,11:56:41,0.018  
 12/23/2014,12:11:41,0.016  
 12/23/2014,12:26:41,0.016  
 12/23/2014,12:41:41,0.014  
 12/23/2014,12:56:41,0.017

Model:,DustTrak II  
 Model Number:,8530  
 Serial Number:,8530122515  
 Test ID:,002  
 Test Abbreviation:,MANUAL\_002\_A  
 Start Date:,12/23/2014  
 Start Time:,08:11:42  
 Duration (dd:hh:mm:ss):,0:00:15:00  
 Log Interval (mm:ss):,01:00  
 Number of points:,15  
 Notes:,

Statistics,Channel:,AEROSOL  
 ,Units:,mg/m<sup>3</sup>  
 ,Average:,0.040  
 ,Minimum:,0.035  
 ,Time of Minimum:,08:18:42  
 ,Date of Minimum:,12/23/2014

12-23-14 Downwind-2 Dust

,Maximum:,0.049  
,Time of Maximum:,08:12:42  
,Date of Maximum:,12/23/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m^3  
12/23/2014,08:12:42,0.049  
12/23/2014,08:13:42,0.044  
12/23/2014,08:14:42,0.045  
12/23/2014,08:15:42,0.036  
12/23/2014,08:16:42,0.038  
12/23/2014,08:17:42,0.040  
12/23/2014,08:18:42,0.035  
12/23/2014,08:19:42,0.040  
12/23/2014,08:20:42,0.037  
12/23/2014,08:21:42,0.037  
12/23/2014,08:22:42,0.037  
12/23/2014,08:23:42,0.047  
12/23/2014,08:24:42,0.044  
12/23/2014,08:25:42,0.039  
12/23/2014,08:26:42,0.037

12-23-14 Downwind-2 VOC

14/12/23 08:07

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-913116  
 Unit Firmware Ver V1.20A  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 12/23/2014 08:07:48  
 End 12/23/2014 13:19:28  
 Sample Period(s) 900  
 Number of Records 20  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 5.000  
 Measurement Gas Isobutylene  
 Calibration Time 12/23/2014 08:07  
 Peak 0.163  
 Min 0.038  
 Average 0.108

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	12/23/2014 08:22:48	0.171	0.421	0.073	
002	12/23/2014 08:37:48	0.042	0.084	0.038	
003	12/23/2014 08:52:48	0.043	0.052	0.050	
004	12/23/2014 09:07:48	0.060	0.071	0.071	
005	12/23/2014 09:22:48	0.081	0.102	0.084	
006	12/23/2014 09:37:48	0.089	0.111	0.079	
007	12/23/2014 09:52:48	0.093	0.118	0.083	
008	12/23/2014 10:07:48	0.099	0.127	0.088	
009	12/23/2014 10:22:48	0.104	0.133	0.096	
010	12/23/2014 10:37:48	0.109	0.136	0.107	
011	12/23/2014 10:52:48	0.116	0.153	0.102	
012	12/23/2014 11:07:48	0.121	0.145	0.128	
013	12/23/2014 11:22:48	0.128	0.157	0.124	
014	12/23/2014 11:37:48	0.133	0.167	0.129	
015	12/23/2014 11:52:48	0.135	0.159	0.145	
016	12/23/2014 12:07:48	0.140	0.163	0.145	
017	12/23/2014 12:22:48	0.145	0.167	0.143	
018	12/23/2014 12:37:48	0.152	0.176	0.153	
019	12/23/2014 12:52:48	0.153	0.176	0.163	
020	12/23/2014 13:07:48	0.159	0.187	0.161	
Peak		0.171	0.421	0.163	
Min		0.042	0.052	0.038	
Average		0.114	0.150	0.108	

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12-23-14 Downwind-2 VOC

TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)	VOC(ppm)
001	12/23/2014 08:22:48		0.002	0.073
002	12/23/2014 08:37:48		0.003	0.038
003	12/23/2014 08:52:48		0.005	0.050
004	12/23/2014 09:07:48		0.007	0.071
005	12/23/2014 09:22:48		0.010	0.084
006	12/23/2014 09:37:48		0.012	0.079
007	12/23/2014 09:52:48		0.015	0.083
008	12/23/2014 10:07:48		0.018	0.088
009	12/23/2014 10:22:48		0.021	0.096
010	12/23/2014 10:37:48		0.024	0.107
011	12/23/2014 10:52:48		0.027	0.102
012	12/23/2014 11:07:48		0.031	0.128
013	12/23/2014 11:22:48		0.035	0.124
014	12/23/2014 11:37:48		0.039	0.129
015	12/23/2014 11:52:48		0.044	0.145
016	12/23/2014 12:07:48		0.048	0.145
017	12/23/2014 12:22:48		0.053	0.143
018	12/23/2014 12:37:48		0.057	0.153
019	12/23/2014 12:52:48		0.063	0.163
020	12/23/2014 13:07:48		0.068	0.161



TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,12/23/2014  
Start Time:,08:06:12  
Duration (dd:hh:mm:ss):,0:04:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,19  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.027  
,Minimum:,0.014  
,Time of Minimum:,12:36:12  
,Date of Minimum:,12/23/2014  
,Maximum:,0.042  
,Time of Maximum:,08:21:12  
,Date of Maximum:,12/23/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/23/2014,08:21:12,0.042  
12/23/2014,08:36:12,0.039  
12/23/2014,08:51:12,0.039  
12/23/2014,09:06:12,0.038  
12/23/2014,09:21:12,0.038  
12/23/2014,09:36:12,0.038  
12/23/2014,09:51:12,0.036  
12/23/2014,10:06:12,0.032  
12/23/2014,10:21:12,0.029  
12/23/2014,10:36:12,0.026  
12/23/2014,10:51:12,0.024  
12/23/2014,11:06:12,0.022  
12/23/2014,11:21:12,0.020  
12/23/2014,11:36:12,0.019  
12/23/2014,11:51:12,0.017  
12/23/2014,12:06:12,0.016  
12/23/2014,12:21:12,0.016  
12/23/2014,12:36:12,0.014  
12/23/2014,12:51:12,0.015

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_A  
Start Date:,12/23/2014  
Start Time:,08:06:13  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.042  
,Minimum:,0.038  
,Time of Minimum:,08:08:13  
,Date of Minimum:,12/23/2014

12-23-14 Upwind Dust

,Maximum:,0.094  
,Time of Maximum:,08:07:13  
,Date of Maximum:,12/23/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
12/23/2014,08:07:13,0.094  
12/23/2014,08:08:13,0.038  
12/23/2014,08:09:13,0.038  
12/23/2014,08:10:13,0.038  
12/23/2014,08:11:13,0.038  
12/23/2014,08:12:13,0.038  
12/23/2014,08:13:13,0.038  
12/23/2014,08:14:13,0.038  
12/23/2014,08:15:13,0.038  
12/23/2014,08:16:13,0.038  
12/23/2014,08:17:13,0.038  
12/23/2014,08:18:13,0.038  
12/23/2014,08:19:13,0.038  
12/23/2014,08:20:13,0.038  
12/23/2014,08:21:13,0.038

## TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,12/03/2014  
Start Time:,08:14:25  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.041  
,Minimum:,0.023  
,Time of Minimum:,08:29:25  
,Date of Minimum:,12/03/2014  
,Maximum:,0.053  
,Time of Maximum:,11:29:25  
,Date of Maximum:,12/03/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/03/2014,08:29:25,0.023  
12/03/2014,08:44:25,0.025  
12/03/2014,08:59:25,0.027  
12/03/2014,09:14:25,0.029  
12/03/2014,09:29:25,0.030  
12/03/2014,09:44:25,0.030  
12/03/2014,09:59:25,0.029  
12/03/2014,10:14:25,0.032  
12/03/2014,10:29:25,0.034  
12/03/2014,10:44:25,0.037  
12/03/2014,10:59:25,0.044  
12/03/2014,11:14:25,0.051  
12/03/2014,11:29:25,0.053  
12/03/2014,11:44:25,0.050  
12/03/2014,11:59:25,0.049  
12/03/2014,12:14:25,0.047  
12/03/2014,12:29:25,0.048  
12/03/2014,12:44:25,0.051  
12/03/2014,12:59:25,0.053  
12/03/2014,13:14:25,0.053  
12/03/2014,13:29:25,0.052  
12/03/2014,13:44:25,0.050  
12/03/2014,13:59:25,0.049  
12/03/2014,14:14:25,0.045  
12/03/2014,14:29:25,0.044  
12/03/2014,14:44:25,0.042  
12/03/2014,14:59:25,0.042  
12/03/2014,15:14:25,0.039  
12/03/2014,15:29:25,0.042

12-3-14 Downwind-1 VOC

14/12/03 08:17

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907926  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 12/3/2014 08:17:01  
 End 12/3/2014 15:37:10  
 Sample Period(s) 900  
 Number of Records 29  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 12/3/2014 08:01  
 Peak 0.178  
 Min 0.059  
 Average 0.135

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	12/3/2014 08:32:01	0.089	0.207	0.064	
002	12/3/2014 08:47:01	0.058	0.085	0.059	
003	12/3/2014 09:02:01	0.066	0.077	0.073	
004	12/3/2014 09:17:01	0.081	0.091	0.090	
005	12/3/2014 09:32:01	0.093	0.101	0.098	
006	12/3/2014 09:47:01	0.100	0.106	0.102	
007	12/3/2014 10:02:01	0.105	0.115	0.112	
008	12/3/2014 10:17:01	0.110	0.114	0.110	
009	12/3/2014 10:32:01	0.110	0.116	0.110	
010	12/3/2014 10:47:01	0.114	0.120	0.116	
011	12/3/2014 11:02:01	0.121	0.128	0.126	
012	12/3/2014 11:17:01	0.128	0.133	0.129	
013	12/3/2014 11:32:01	0.131	0.138	0.138	
014	12/3/2014 11:47:01	0.136	0.150	0.134	
015	12/3/2014 12:02:01	0.140	0.149	0.142	
016	12/3/2014 12:17:01	0.145	0.154	0.144	
017	12/3/2014 12:32:01	0.146	0.153	0.148	
018	12/3/2014 12:47:01	0.151	0.157	0.150	
019	12/3/2014 13:02:01	0.155	0.167	0.159	
020	12/3/2014 13:17:01	0.158	0.164	0.162	
021	12/3/2014 13:32:01	0.162	0.169	0.167	
022	12/3/2014 13:47:01	0.163	0.170	0.162	
023	12/3/2014 14:02:01	0.166	0.175	0.170	
024	12/3/2014 14:17:01	0.168	0.177	0.170	
025	12/3/2014 14:32:01	0.171	0.182	0.178	

12-3-14 Downwind-1 VOC

026	12/3/2014	14:47:01	0.173	0.184	0.167
027	12/3/2014	15:02:01	0.174	0.182	0.173
028	12/3/2014	15:17:01	0.177	0.184	0.176
029	12/3/2014	15:32:01	0.176	0.183	0.174
Peak		0.177	0.207	0.178	
Min		0.058	0.077	0.059	
Average		0.133	0.146	0.135	

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	12/3/2014 08:32:01	0.002	0.064
002	12/3/2014 08:47:01	0.004	0.059
003	12/3/2014 09:02:01	0.006	0.073
004	12/3/2014 09:17:01	0.009	0.090
005	12/3/2014 09:32:01	0.012	0.098
006	12/3/2014 09:47:01	0.015	0.102
007	12/3/2014 10:02:01	0.019	0.112
008	12/3/2014 10:17:01	0.022	0.110
009	12/3/2014 10:32:01	0.026	0.110
010	12/3/2014 10:47:01	0.029	0.116
011	12/3/2014 11:02:01	0.033	0.126
012	12/3/2014 11:17:01	0.037	0.129
013	12/3/2014 11:32:01	0.041	0.138
014	12/3/2014 11:47:01	0.046	0.134
015	12/3/2014 12:02:01	0.050	0.142
016	12/3/2014 12:17:01	0.055	0.144
017	12/3/2014 12:32:01	0.059	0.148
018	12/3/2014 12:47:01	0.064	0.150
019	12/3/2014 13:02:01	0.069	0.159
020	12/3/2014 13:17:01	0.074	0.162
021	12/3/2014 13:32:01	0.079	0.167
022	12/3/2014 13:47:01	0.084	0.162
023	12/3/2014 14:02:01	0.090	0.170
024	12/3/2014 14:17:01	0.095	0.170
025	12/3/2014 14:32:01	0.100	0.178
026	12/3/2014 14:47:01	0.106	0.167
027	12/3/2014 15:02:01	0.111	0.173
028	12/3/2014 15:17:01	0.117	0.176
029	12/3/2014 15:32:01	0.122	0.174

## TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,12/03/2014  
Start Time:,08:06:52  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.037  
,Minimum:,0.023  
,Time of Minimum:,08:21:52  
,Date of Minimum:,12/03/2014  
,Maximum:,0.049  
,Time of Maximum:,12:51:52  
,Date of Maximum:,12/03/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

## Date,Time,AEROSOL

MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/03/2014,08:21:52,0.023  
12/03/2014,08:36:52,0.025  
12/03/2014,08:51:52,0.026  
12/03/2014,09:06:52,0.029  
12/03/2014,09:21:52,0.029  
12/03/2014,09:36:52,0.029  
12/03/2014,09:51:52,0.028  
12/03/2014,10:06:52,0.029  
12/03/2014,10:21:52,0.031  
12/03/2014,10:36:52,0.032  
12/03/2014,10:51:52,0.037  
12/03/2014,11:06:52,0.044  
12/03/2014,11:21:52,0.047  
12/03/2014,11:36:52,0.045  
12/03/2014,11:51:52,0.044  
12/03/2014,12:06:52,0.042  
12/03/2014,12:21:52,0.043  
12/03/2014,12:36:52,0.046  
12/03/2014,12:51:52,0.049  
12/03/2014,13:06:52,0.047  
12/03/2014,13:21:52,0.046  
12/03/2014,13:36:52,0.044  
12/03/2014,13:51:52,0.044  
12/03/2014,14:06:52,0.041  
12/03/2014,14:21:52,0.039  
12/03/2014,14:36:52,0.038  
12/03/2014,14:51:52,0.037  
12/03/2014,15:06:52,0.036  
12/03/2014,15:21:52,0.036

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_A  
Start Date:,12/03/2014  
Start Time:,08:06:53  
Duration (dd:hh:mm:ss):,0:00:15:00

12-3-14 Downwind-2 Dust

Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.023  
,Minimum:,0.020  
,Time of Minimum:,08:10:53  
,Date of Minimum:,12/03/2014  
,Maximum:,0.046  
,Time of Maximum:,08:07:53  
,Date of Maximum:,12/03/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/03/2014,08:07:53,0.046  
12/03/2014,08:08:53,0.021  
12/03/2014,08:09:53,0.021  
12/03/2014,08:10:53,0.020  
12/03/2014,08:11:53,0.021  
12/03/2014,08:12:53,0.021  
12/03/2014,08:13:53,0.021  
12/03/2014,08:14:53,0.021  
12/03/2014,08:15:53,0.021  
12/03/2014,08:16:53,0.021  
12/03/2014,08:17:53,0.022  
12/03/2014,08:18:53,0.022  
12/03/2014,08:19:53,0.022  
12/03/2014,08:20:53,0.022  
12/03/2014,08:21:53,0.023

12-3-14 Downwind-2 VOC

14/12/03 08:13

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-913116  
 Unit Firmware Ver V1.20A  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 12/3/2014 08:13:39  
 End 12/3/2014 15:43:47  
 Sample Period(s) 900  
 Number of Records 30  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 5.000  
 Measurement Gas Isobutylene  
 Calibration Time 12/3/2014 08:01  
 Peak 0.235  
 Min 0.057  
 Average 0.186  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	12/3/2014 08:28:39	0.067	0.203	0.057	
002	12/3/2014 08:43:39	0.061	0.096	0.080	
003	12/3/2014 08:58:39	0.085	0.112	0.096	
004	12/3/2014 09:13:39	0.104	0.130	0.107	
005	12/3/2014 09:28:39	0.112	0.160	0.117	
006	12/3/2014 09:43:39	0.126	0.165	0.146	
007	12/3/2014 09:58:39	0.145	0.186	0.136	
008	12/3/2014 10:13:39	0.151	0.183	0.179	
009	12/3/2014 10:28:39	0.163	0.193	0.165	
010	12/3/2014 10:43:39	0.174	0.203	0.202	
011	12/3/2014 10:58:39	0.182	0.207	0.181	
012	12/3/2014 11:13:39	0.187	0.210	0.190	
013	12/3/2014 11:28:39	0.190	0.212	0.181	
014	12/3/2014 11:43:39	0.194	0.224	0.200	
015	12/3/2014 11:58:39	0.197	0.224	0.204	
016	12/3/2014 12:13:39	0.202	0.221	0.206	
017	12/3/2014 12:28:39	0.207	0.237	0.220	
018	12/3/2014 12:43:39	0.210	0.247	0.216	
019	12/3/2014 12:58:39	0.216	0.278	0.221	
020	12/3/2014 13:13:39	0.217	0.250	0.216	
021	12/3/2014 13:28:39	0.217	0.225	0.219	
022	12/3/2014 13:43:39	0.220	0.224	0.220	
023	12/3/2014 13:58:39	0.223	0.284	0.218	
024	12/3/2014 14:13:39	0.224	0.287	0.228	
025	12/3/2014 14:28:39	0.224	0.234	0.226	



12-3-14 Downwind-2 VOC

026	12/3/2014	14:43:39	0.225	0.248	0.223
027	12/3/2014	14:58:39	0.227	0.240	0.229
028	12/3/2014	15:13:39	0.229	0.244	0.230
029	12/3/2014	15:28:39	0.230	0.237	0.232
030	12/3/2014	15:43:39	0.235	0.243	0.235
Peak			0.235	0.287	0.235
Min			0.061	0.096	0.057
Average			0.181	0.214	0.186

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	12/3/2014 08:28:39	0.002	0.057
002	12/3/2014 08:43:39	0.004	0.080
003	12/3/2014 08:58:39	0.007	0.096
004	12/3/2014 09:13:39	0.011	0.107
005	12/3/2014 09:28:39	0.014	0.117
006	12/3/2014 09:43:39	0.019	0.146
007	12/3/2014 09:58:39	0.023	0.136
008	12/3/2014 10:13:39	0.029	0.179
009	12/3/2014 10:28:39	0.034	0.165
010	12/3/2014 10:43:39	0.040	0.202
011	12/3/2014 10:58:39	0.046	0.181
012	12/3/2014 11:13:39	0.052	0.190
013	12/3/2014 11:28:39	0.057	0.181
014	12/3/2014 11:43:39	0.064	0.200
015	12/3/2014 11:58:39	0.070	0.204
016	12/3/2014 12:13:39	0.076	0.206
017	12/3/2014 12:28:39	0.083	0.220
018	12/3/2014 12:43:39	0.090	0.216
019	12/3/2014 12:58:39	0.097	0.221
020	12/3/2014 13:13:39	0.104	0.216
021	12/3/2014 13:28:39	0.111	0.219
022	12/3/2014 13:43:39	0.117	0.220
023	12/3/2014 13:58:39	0.124	0.218
024	12/3/2014 14:13:39	0.131	0.228
025	12/3/2014 14:28:39	0.138	0.226
026	12/3/2014 14:43:39	0.145	0.223
027	12/3/2014 14:58:39	0.153	0.229
028	12/3/2014 15:13:39	0.160	0.230
029	12/3/2014 15:28:39	0.167	0.232
030	12/3/2014 15:43:39	0.174	0.235

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,12/03/2014  
Start Time:,08:00:51  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.040  
,Minimum:,0.025  
,Time of Minimum:,08:30:51  
,Date of Minimum:,12/03/2014  
,Maximum:,0.052  
,Time of Maximum:,11:15:51  
,Date of Maximum:,12/03/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL

MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/03/2014,08:15:51,0.028  
12/03/2014,08:30:51,0.025  
12/03/2014,08:45:51,0.027  
12/03/2014,09:00:51,0.029  
12/03/2014,09:15:51,0.031  
12/03/2014,09:30:51,0.030  
12/03/2014,09:45:51,0.030  
12/03/2014,10:00:51,0.029  
12/03/2014,10:15:51,0.032  
12/03/2014,10:30:51,0.033  
12/03/2014,10:45:51,0.038  
12/03/2014,11:00:51,0.045  
12/03/2014,11:15:51,0.052  
12/03/2014,11:30:51,0.051  
12/03/2014,11:45:51,0.048  
12/03/2014,12:00:51,0.046  
12/03/2014,12:15:51,0.045  
12/03/2014,12:30:51,0.047  
12/03/2014,12:45:51,0.050  
12/03/2014,13:00:51,0.051  
12/03/2014,13:15:51,0.050  
12/03/2014,13:30:51,0.049  
12/03/2014,13:45:51,0.048  
12/03/2014,14:00:51,0.046  
12/03/2014,14:15:51,0.042  
12/03/2014,14:30:51,0.042  
12/03/2014,14:45:51,0.041  
12/03/2014,15:00:51,0.040  
12/03/2014,15:15:51,0.039

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_A  
Start Date:,12/03/2014  
Start Time:,08:00:52  
Duration (dd:hh:mm:ss):,0:00:15:00

12-3-14 Upwind Dust

Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.028  
,Minimum:,0.022  
,Time of Minimum:,08:02:52  
,Date of Minimum:,12/03/2014  
,Maximum:,0.097  
,Time of Maximum:,08:01:52  
,Date of Maximum:,12/03/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/03/2014,08:01:52,0.097  
12/03/2014,08:02:52,0.022  
12/03/2014,08:03:52,0.022  
12/03/2014,08:04:52,0.022  
12/03/2014,08:05:52,0.022  
12/03/2014,08:06:52,0.023  
12/03/2014,08:07:52,0.023  
12/03/2014,08:08:52,0.023  
12/03/2014,08:09:52,0.023  
12/03/2014,08:10:52,0.023  
12/03/2014,08:11:52,0.023  
12/03/2014,08:12:52,0.023  
12/03/2014,08:13:52,0.023  
12/03/2014,08:14:52,0.023  
12/03/2014,08:15:52,0.023

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530141112  
Test ID: ,004  
Test Abbreviation: ,MANUAL\_004  
Start Date: ,12/04/2014  
Start Time: ,08:16:10  
Duration (dd:hh:mm:ss): ,0:07:30:00  
Log Interval (mm:ss): ,15:00  
Number of points: ,30  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.030  
,Minimum: ,0.024  
,Time of Minimum: ,13:31:10  
,Date of Minimum: ,12/04/2014  
,Maximum: ,0.040  
,Time of Maximum: ,11:46:10  
,Date of Maximum: ,12/04/2014

Calibration,Sensor: ,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/04/2014,08:31:10,0.030  
12/04/2014,08:46:10,0.030  
12/04/2014,09:01:10,0.032  
12/04/2014,09:16:10,0.034  
12/04/2014,09:31:10,0.036  
12/04/2014,09:46:10,0.039  
12/04/2014,10:01:10,0.039  
12/04/2014,10:16:10,0.036  
12/04/2014,10:31:10,0.035  
12/04/2014,10:46:10,0.032  
12/04/2014,11:01:10,0.031  
12/04/2014,11:16:10,0.028  
12/04/2014,11:31:10,0.027  
12/04/2014,11:46:10,0.040  
12/04/2014,12:01:10,0.035  
12/04/2014,12:16:10,0.034  
12/04/2014,12:31:10,0.030  
12/04/2014,12:46:10,0.027  
12/04/2014,13:01:10,0.027  
12/04/2014,13:16:10,0.025  
12/04/2014,13:31:10,0.024  
12/04/2014,13:46:10,0.025  
12/04/2014,14:01:10,0.025  
12/04/2014,14:16:10,0.025  
12/04/2014,14:31:10,0.025  
12/04/2014,14:46:10,0.026  
12/04/2014,15:01:10,0.027  
12/04/2014,15:16:10,0.028  
12/04/2014,15:31:10,0.028  
12/04/2014,15:46:10,0.028

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530141112  
Test ID: ,004  
Test Abbreviation: ,MANUAL\_004\_A  
Start Date: ,12/04/2014  
Start Time: ,11:38:14

12-4-14 Downwind-1 Dust

Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.042  
,Minimum:,0.026  
,Time of Minimum:,11:49:14  
,Date of Minimum:,12/04/2014  
,Maximum:,0.065  
,Time of Maximum:,11:40:14  
,Date of Maximum:,12/04/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/04/2014,11:39:14,0.055  
12/04/2014,11:40:14,0.065  
12/04/2014,11:41:14,0.043  
12/04/2014,11:42:14,0.041  
12/04/2014,11:43:14,0.047  
12/04/2014,11:44:14,0.052  
12/04/2014,11:45:14,0.029  
12/04/2014,11:46:14,0.033  
12/04/2014,11:47:14,0.065  
12/04/2014,11:48:14,0.027  
12/04/2014,11:49:14,0.026  
12/04/2014,11:50:14,0.032  
12/04/2014,11:51:14,0.056  
12/04/2014,11:52:14,0.026  
12/04/2014,11:53:14,0.027

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_B  
Start Date:,12/04/2014  
Start Time:,12:04:57  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.033  
,Minimum:,0.026  
,Time of Minimum:,12:14:57  
,Date of Minimum:,12/04/2014  
,Maximum:,0.067  
,Time of Maximum:,12:05:57  
,Date of Maximum:,12/04/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/04/2014,12:05:57,0.067  
12/04/2014,12:06:57,0.033  
12/04/2014,12:07:57,0.034  
12/04/2014,12:08:57,0.028

12-4-14 Downwind-1 Dust

12/04/2014,12:09:57,0.029  
12/04/2014,12:10:57,0.029  
12/04/2014,12:11:57,0.030  
12/04/2014,12:12:57,0.031  
12/04/2014,12:13:57,0.038  
12/04/2014,12:14:57,0.026  
12/04/2014,12:15:57,0.026  
12/04/2014,12:16:57,0.027  
12/04/2014,12:17:57,0.027  
12/04/2014,12:18:57,0.028  
12/04/2014,12:19:57,0.034

12-4-14 Downwind-1 VOC.prs

14/12/04 08:18

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907926  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 12/4/2014 08:18:58  
 End 12/4/2014 15:55:55  
 Sample Period(s) 900  
 Number of Records 30  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 12/4/2014 08:10  
 Peak 0.115  
 Min 0.034  
 Average 0.086

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	12/4/2014 08:33:58	0.065	0.152	0.045	0.045
002	12/4/2014 08:48:58	0.036	0.043	0.034	0.034
003	12/4/2014 09:03:58	0.036	0.043	0.041	0.041
004	12/4/2014 09:18:58	0.045	0.050	0.048	0.048
005	12/4/2014 09:33:58	0.054	0.070	0.057	0.057
006	12/4/2014 09:48:58	0.065	0.126	0.066	0.066
007	12/4/2014 10:03:58	0.069	0.086	0.073	0.073
008	12/4/2014 10:18:58	0.073	0.087	0.072	0.072
009	12/4/2014 10:33:58	0.078	0.083	0.081	0.081
010	12/4/2014 10:48:58	0.082	0.087	0.083	0.083
011	12/4/2014 11:03:58	0.084	0.096	0.082	0.082
012	12/4/2014 11:18:58	0.083	0.090	0.086	0.086
013	12/4/2014 11:33:58	0.084	0.097	0.088	0.088
014	12/4/2014 11:48:58	0.088	0.096	0.085	0.085
015	12/4/2014 12:03:58	0.088	0.095	0.091	0.091
016	12/4/2014 12:18:58	0.090	0.098	0.092	0.092
017	12/4/2014 12:33:58	0.094	0.109	0.097	0.097
018	12/4/2014 12:48:58	0.095	0.107	0.099	0.099
019	12/4/2014 13:03:58	0.097	0.127	0.098	0.098
020	12/4/2014 13:18:58	0.097	0.102	0.097	0.097
021	12/4/2014 13:33:58	0.096	0.103	0.103	0.103
022	12/4/2014 13:48:58	0.096	0.109	0.102	0.102
023	12/4/2014 14:03:58	0.098	0.113	0.106	0.106
024	12/4/2014 14:18:58	0.101	0.110	0.100	0.100
025	12/4/2014 14:33:58	0.102	0.111	0.103	0.103

12-4-14 Downwind-1 VOC.prs

026	12/4/2014	14:48:58	0.102	0.109	0.103
027	12/4/2014	15:03:58	0.104	0.110	0.106
028	12/4/2014	15:18:58	0.106	0.113	0.112
029	12/4/2014	15:33:58	0.110	0.117	0.109
030	12/4/2014	15:48:58	0.114	0.121	0.115
Peak			0.114	0.152	0.115
Min			0.036	0.043	0.034
Average			0.084	0.099	0.086

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TWA/STEL

Index	Date/Time	VOC(ppm)	
		(TWA)	(STEL)
001	12/4/2014 08:33:58	0.001	0.045
002	12/4/2014 08:48:58	0.002	0.034
003	12/4/2014 09:03:58	0.004	0.041
004	12/4/2014 09:18:58	0.005	0.048
005	12/4/2014 09:33:58	0.007	0.057
006	12/4/2014 09:48:58	0.009	0.066
007	12/4/2014 10:03:58	0.011	0.073
008	12/4/2014 10:18:58	0.014	0.072
009	12/4/2014 10:33:58	0.016	0.081
010	12/4/2014 10:48:58	0.019	0.083
011	12/4/2014 11:03:58	0.021	0.082
012	12/4/2014 11:18:58	0.024	0.086
013	12/4/2014 11:33:58	0.027	0.088
014	12/4/2014 11:48:58	0.029	0.085
015	12/4/2014 12:03:58	0.032	0.091
016	12/4/2014 12:18:58	0.035	0.092
017	12/4/2014 12:33:58	0.038	0.097
018	12/4/2014 12:48:58	0.041	0.099
019	12/4/2014 13:03:58	0.044	0.098
020	12/4/2014 13:18:58	0.047	0.097
021	12/4/2014 13:33:58	0.051	0.103
022	12/4/2014 13:48:58	0.054	0.102
023	12/4/2014 14:03:58	0.057	0.106
024	12/4/2014 14:18:58	0.060	0.100
025	12/4/2014 14:33:58	0.063	0.103
026	12/4/2014 14:48:58	0.067	0.103
027	12/4/2014 15:03:58	0.070	0.106
028	12/4/2014 15:18:58	0.073	0.112
029	12/4/2014 15:33:58	0.077	0.109
030	12/4/2014 15:48:58	0.080	0.115



## TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,12/04/2014  
Start Time:,08:16:57  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.029  
,Minimum:,0.022  
,Time of Minimum:,14:16:57  
,Date of Minimum:,12/04/2014  
,Maximum:,0.040  
,Time of Maximum:,10:01:57  
,Date of Maximum:,12/04/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/04/2014,08:31:57,0.031  
12/04/2014,08:46:57,0.030  
12/04/2014,09:01:57,0.031  
12/04/2014,09:16:57,0.032  
12/04/2014,09:31:57,0.034  
12/04/2014,09:46:57,0.036  
12/04/2014,10:01:57,0.040  
12/04/2014,10:16:57,0.032  
12/04/2014,10:31:57,0.034  
12/04/2014,10:46:57,0.030  
12/04/2014,11:01:57,0.029  
12/04/2014,11:16:57,0.031  
12/04/2014,11:31:57,0.029  
12/04/2014,11:46:57,0.027  
12/04/2014,12:01:57,0.029  
12/04/2014,12:16:57,0.028  
12/04/2014,12:31:57,0.028  
12/04/2014,12:46:57,0.026  
12/04/2014,13:01:57,0.024  
12/04/2014,13:16:57,0.023  
12/04/2014,13:31:57,0.027  
12/04/2014,13:46:57,0.027  
12/04/2014,14:01:57,0.026  
12/04/2014,14:16:57,0.022  
12/04/2014,14:31:57,0.039  
12/04/2014,14:46:57,0.023  
12/04/2014,15:01:57,0.024  
12/04/2014,15:16:57,0.024  
12/04/2014,15:31:57,0.025  
12/04/2014,15:46:57,0.026

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_A  
Start Date:,12/04/2014  
Start Time:,08:16:58

12-4-14 Downwind-2 Dust

Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.031  
,Minimum:,0.027  
,Time of Minimum:,08:21:58  
,Date of Minimum:,12/04/2014  
,Maximum:,0.043  
,Time of Maximum:,08:18:58  
,Date of Maximum:,12/04/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/04/2014,08:17:58,0.038  
12/04/2014,08:18:58,0.043  
12/04/2014,08:19:58,0.032  
12/04/2014,08:20:58,0.028  
12/04/2014,08:21:58,0.027  
12/04/2014,08:22:58,0.030  
12/04/2014,08:23:58,0.029  
12/04/2014,08:24:58,0.032  
12/04/2014,08:25:58,0.033  
12/04/2014,08:26:58,0.030  
12/04/2014,08:27:58,0.030  
12/04/2014,08:28:58,0.027  
12/04/2014,08:29:58,0.029  
12/04/2014,08:30:58,0.029  
12/04/2014,08:31:58,0.028

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_B  
Start Date:,12/04/2014  
Start Time:,11:09:03  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.028  
,Minimum:,0.022  
,Time of Minimum:,11:16:03  
,Date of Minimum:,12/04/2014  
,Maximum:,0.066  
,Time of Maximum:,11:10:03  
,Date of Maximum:,12/04/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/04/2014,11:10:03,0.066  
12/04/2014,11:11:03,0.026  
12/04/2014,11:12:03,0.024  
12/04/2014,11:13:03,0.024

12-4-14 Downwind-2 Dust

12/04/2014,11:14:03,0.024  
12/04/2014,11:15:03,0.023  
12/04/2014,11:16:03,0.022  
12/04/2014,11:17:03,0.027  
12/04/2014,11:18:03,0.029  
12/04/2014,11:19:03,0.030  
12/04/2014,11:20:03,0.025  
12/04/2014,11:21:03,0.024  
12/04/2014,11:22:03,0.023  
12/04/2014,11:23:03,0.024  
12/04/2014,11:24:03,0.024

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_C  
Start Date:,12/04/2014  
Start Time:,14:18:49  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.039  
,Minimum:,0.022  
,Time of Minimum:,14:20:49  
,Date of Minimum:,12/04/2014  
,Maximum:,0.071  
,Time of Maximum:,14:22:49  
,Date of Maximum:,12/04/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/04/2014,14:19:49,0.051  
12/04/2014,14:20:49,0.022  
12/04/2014,14:21:49,0.037  
12/04/2014,14:22:49,0.071  
12/04/2014,14:23:49,0.056  
12/04/2014,14:24:49,0.055  
12/04/2014,14:25:49,0.063  
12/04/2014,14:26:49,0.024  
12/04/2014,14:27:49,0.023  
12/04/2014,14:28:49,0.023  
12/04/2014,14:29:49,0.023  
12/04/2014,14:30:49,0.038  
12/04/2014,14:31:49,0.054  
12/04/2014,14:32:49,0.023  
12/04/2014,14:33:49,0.023

12-4-14 Downwind-2 VOC.prs

14/12/04 08:24

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-913116  
 Unit Firmware Ver V1.20A  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 12/4/2014 08:24:06  
 End 12/4/2014 16:00:04  
 Sample Period(s) 900  
 Number of Records 30  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 5.000  
 Measurement Gas Isobutylene  
 Calibration Time 12/4/2014 08:09  
 Peak 0.205  
 Min 0.050  
 Average 0.151

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	12/4/2014 08:39:06	0.056	0.128	0.050	
002	12/4/2014 08:54:06	0.053	0.092	0.057	
003	12/4/2014 09:09:06	0.065	0.082	0.079	
004	12/4/2014 09:24:06	0.092	0.143	0.100	
005	12/4/2014 09:39:06	0.110	0.150	0.120	
006	12/4/2014 09:54:06	0.133	0.179	0.128	
007	12/4/2014 10:09:06	0.142	0.262	0.127	
008	12/4/2014 10:24:06	0.134	0.176	0.133	
009	12/4/2014 10:39:06	0.530	71.264	0.193	
010	12/4/2014 10:54:06	0.148	0.203	0.137	
011	12/4/2014 11:09:06	0.141	0.193	0.141	
012	12/4/2014 11:24:06	0.145	0.175	0.150	
013	12/4/2014 11:39:06	0.149	0.173	0.152	
014	12/4/2014 11:54:06	0.152	0.207	0.152	
015	12/4/2014 12:09:06	0.152	0.198	0.151	
016	12/4/2014 12:24:06	0.155	0.193	0.162	
017	12/4/2014 12:39:06	0.161	0.218	0.155	
018	12/4/2014 12:54:06	0.162	0.201	0.157	
019	12/4/2014 13:09:06	0.160	0.193	0.163	
020	12/4/2014 13:24:06	0.163	0.173	0.164	
021	12/4/2014 13:39:06	0.165	0.190	0.168	
022	12/4/2014 13:54:06	0.172	0.193	0.166	
023	12/4/2014 14:09:06	0.176	0.212	0.203	
024	12/4/2014 14:24:06	0.177	0.203	0.176	
025	12/4/2014 14:39:06	0.188	0.242	0.179	

12-4-14 Downwind-2 VOC.prs

026	12/4/2014	14:54:06	0.181	0.193	0.187
027	12/4/2014	15:09:06	0.188	0.198	0.189
028	12/4/2014	15:24:06	0.192	0.197	0.195
029	12/4/2014	15:39:06	0.196	0.203	0.202
030	12/4/2014	15:54:06	0.200	0.205	0.205
Peak		0.530	71.264	0.205	
Min		0.053	0.082	0.050	
Average		0.161	2.555	0.151	

\*\*\*\*\*

TWA/STEL

Index	Date/Time	VOC(ppm)	
		(TWA)	(STEL)
001	12/4/2014 08:39:06	0.002	0.050
002	12/4/2014 08:54:06	0.003	0.057
003	12/4/2014 09:09:06	0.006	0.079
004	12/4/2014 09:24:06	0.009	0.100
005	12/4/2014 09:39:06	0.013	0.120
006	12/4/2014 09:54:06	0.017	0.128
007	12/4/2014 10:09:06	0.021	0.127
008	12/4/2014 10:24:06	0.025	0.133
009	12/4/2014 10:39:06	0.031	0.193
010	12/4/2014 10:54:06	0.035	0.137
011	12/4/2014 11:09:06	0.040	0.141
012	12/4/2014 11:24:06	0.044	0.150
013	12/4/2014 11:39:06	0.049	0.152
014	12/4/2014 11:54:06	0.054	0.152
015	12/4/2014 12:09:06	0.058	0.151
016	12/4/2014 12:24:06	0.064	0.162
017	12/4/2014 12:39:06	0.068	0.155
018	12/4/2014 12:54:06	0.073	0.157
019	12/4/2014 13:09:06	0.078	0.163
020	12/4/2014 13:24:06	0.083	0.164
021	12/4/2014 13:39:06	0.089	0.168
022	12/4/2014 13:54:06	0.094	0.166
023	12/4/2014 14:09:06	0.100	0.203
024	12/4/2014 14:24:06	0.106	0.176
025	12/4/2014 14:39:06	0.111	0.179
026	12/4/2014 14:54:06	0.117	0.187
027	12/4/2014 15:09:06	0.123	0.189
028	12/4/2014 15:24:06	0.129	0.195
029	12/4/2014 15:39:06	0.135	0.202
030	12/4/2014 15:54:06	0.142	0.205

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,12/04/2014  
Start Time:,08:19:49  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.030  
,Minimum:,0.021  
,Time of Minimum:,13:19:49  
,Date of Minimum:,12/04/2014  
,Maximum:,0.147  
,Time of Maximum:,09:49:49  
,Date of Maximum:,12/04/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/04/2014,08:34:49,0.032  
12/04/2014,08:49:49,0.031  
12/04/2014,09:04:49,0.032  
12/04/2014,09:19:49,0.033  
12/04/2014,09:34:49,0.035  
12/04/2014,09:49:49,0.147  
12/04/2014,10:04:49,0.035  
12/04/2014,10:19:49,0.033  
12/04/2014,10:34:49,0.032  
12/04/2014,10:49:49,0.030  
12/04/2014,11:04:49,0.027  
12/04/2014,11:19:49,0.025  
12/04/2014,11:34:49,0.024  
12/04/2014,11:49:49,0.023  
12/04/2014,12:04:49,0.025  
12/04/2014,12:19:49,0.025  
12/04/2014,12:34:49,0.024  
12/04/2014,12:49:49,0.023  
12/04/2014,13:04:49,0.023  
12/04/2014,13:19:49,0.021  
12/04/2014,13:34:49,0.021  
12/04/2014,13:49:49,0.021  
12/04/2014,14:04:49,0.022  
12/04/2014,14:19:49,0.021  
12/04/2014,14:34:49,0.022  
12/04/2014,14:49:49,0.023  
12/04/2014,15:04:49,0.024  
12/04/2014,15:19:49,0.025  
12/04/2014,15:34:49,0.025  
12/04/2014,15:49:49,0.026

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_A  
Start Date:,12/04/2014  
Start Time:,08:19:50

12-4-14 Upwind Dust

Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.032  
,Minimum:,0.028  
,Time of Minimum:,08:27:50  
,Date of Minimum:,12/04/2014  
,Maximum:,0.046  
,Time of Maximum:,08:20:50  
,Date of Maximum:,12/04/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/04/2014,08:20:50,0.046  
12/04/2014,08:21:50,0.032  
12/04/2014,08:22:50,0.033  
12/04/2014,08:23:50,0.033  
12/04/2014,08:24:50,0.032  
12/04/2014,08:25:50,0.031  
12/04/2014,08:26:50,0.029  
12/04/2014,08:27:50,0.028  
12/04/2014,08:28:50,0.028  
12/04/2014,08:29:50,0.029  
12/04/2014,08:30:50,0.029  
12/04/2014,08:31:50,0.031  
12/04/2014,08:32:50,0.033  
12/04/2014,08:33:50,0.035  
12/04/2014,08:34:50,0.033

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_B  
Start Date:,12/04/2014  
Start Time:,09:37:11  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.148  
,Minimum:,0.035  
,Time of Minimum:,09:50:11  
,Date of Minimum:,12/04/2014  
,Maximum:,1.090  
,Time of Maximum:,09:38:11  
,Date of Maximum:,12/04/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/04/2014,09:38:11,1.090  
12/04/2014,09:39:11,0.196  
12/04/2014,09:40:11,0.077  
12/04/2014,09:41:11,0.252

12-4-14 Upwind Dust

12/04/2014,09:42:11,0.233  
12/04/2014,09:43:11,0.037  
12/04/2014,09:44:11,0.036  
12/04/2014,09:45:11,0.037  
12/04/2014,09:46:11,0.038  
12/04/2014,09:47:11,0.036  
12/04/2014,09:48:11,0.036  
12/04/2014,09:49:11,0.036  
12/04/2014,09:50:11,0.035  
12/04/2014,09:51:11,0.038  
12/04/2014,09:52:11,0.038



TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530141112  
Test ID: ,005  
Test Abbreviation: ,MANUAL\_005  
Start Date: ,12/05/2014  
Start Time: ,08:01:09  
Duration (dd:hh:mm:ss): ,0:07:30:00  
Log Interval (mm:ss): ,15:00  
Number of points: ,30  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.048  
,Minimum: ,0.041  
,Time of Minimum: ,13:31:09  
,Date of Minimum: ,12/05/2014  
,Maximum: ,0.081  
,Time of Maximum: ,12:01:09  
,Date of Maximum: ,12/05/2014

Calibration,Sensor: ,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/05/2014,08:16:09,0.045  
12/05/2014,08:31:09,0.047  
12/05/2014,08:46:09,0.047  
12/05/2014,09:01:09,0.047  
12/05/2014,09:16:09,0.048  
12/05/2014,09:31:09,0.049  
12/05/2014,09:46:09,0.050  
12/05/2014,10:01:09,0.061  
12/05/2014,10:16:09,0.050  
12/05/2014,10:31:09,0.049  
12/05/2014,10:46:09,0.048  
12/05/2014,11:01:09,0.052  
12/05/2014,11:16:09,0.059  
12/05/2014,11:31:09,0.051  
12/05/2014,11:46:09,0.048  
12/05/2014,12:01:09,0.081  
12/05/2014,12:16:09,0.045  
12/05/2014,12:31:09,0.044  
12/05/2014,12:46:09,0.044  
12/05/2014,13:01:09,0.044  
12/05/2014,13:16:09,0.043  
12/05/2014,13:31:09,0.041  
12/05/2014,13:46:09,0.042  
12/05/2014,14:01:09,0.043  
12/05/2014,14:16:09,0.042  
12/05/2014,14:31:09,0.043  
12/05/2014,14:46:09,0.044  
12/05/2014,15:01:09,0.044  
12/05/2014,15:16:09,0.042  
12/05/2014,15:31:09,0.043

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530141112  
Test ID: ,005  
Test Abbreviation: ,MANUAL\_005\_A  
Start Date: ,12/05/2014  
Start Time: ,09:55:07

12-5-14 Downwind-1 Dust

Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.059  
,Minimum:,0.048  
,Time of Minimum:,09:59:07  
,Date of Minimum:,12/05/2014  
,Maximum:,0.186  
,Time of Maximum:,09:56:07  
,Date of Maximum:,12/05/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/05/2014,09:56:07,0.186  
12/05/2014,09:57:07,0.050  
12/05/2014,09:58:07,0.050  
12/05/2014,09:59:07,0.048  
12/05/2014,10:00:07,0.050  
12/05/2014,10:01:07,0.049  
12/05/2014,10:02:07,0.050  
12/05/2014,10:03:07,0.051  
12/05/2014,10:04:07,0.052  
12/05/2014,10:05:07,0.050  
12/05/2014,10:06:07,0.052  
12/05/2014,10:07:07,0.049  
12/05/2014,10:08:07,0.050  
12/05/2014,10:09:07,0.050  
12/05/2014,10:10:07,0.052

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_B  
Start Date:,12/05/2014  
Start Time:,11:10:30  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.053  
,Minimum:,0.047  
,Time of Minimum:,11:19:30  
,Date of Minimum:,12/05/2014  
,Maximum:,0.090  
,Time of Maximum:,11:11:30  
,Date of Maximum:,12/05/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/05/2014,11:11:30,0.090  
12/05/2014,11:12:30,0.050  
12/05/2014,11:13:30,0.050  
12/05/2014,11:14:30,0.049

12-5-14 Downwind-1 Dust

12/05/2014,11:15:30,0.053  
12/05/2014,11:16:30,0.050  
12/05/2014,11:17:30,0.048  
12/05/2014,11:18:30,0.048  
12/05/2014,11:19:30,0.047  
12/05/2014,11:20:30,0.050  
12/05/2014,11:21:30,0.049  
12/05/2014,11:22:30,0.050  
12/05/2014,11:23:30,0.050  
12/05/2014,11:24:30,0.051  
12/05/2014,11:25:30,0.064

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530141112  
Test ID: ,005  
Test Abbreviation: ,MANUAL\_005\_C  
Start Date: ,12/05/2014  
Start Time: ,11:52:42  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.079  
,Minimum: ,0.043  
,Time of Minimum: ,12:05:42  
,Date of Minimum: ,12/05/2014  
,Maximum: ,0.306  
,Time of Maximum: ,11:53:42  
,Date of Maximum: ,12/05/2014

Calibration,Sensor: ,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/05/2014,11:53:42,0.306  
12/05/2014,11:54:42,0.223  
12/05/2014,11:55:42,0.121  
12/05/2014,11:56:42,0.052  
12/05/2014,11:57:42,0.044  
12/05/2014,11:58:42,0.047  
12/05/2014,11:59:42,0.046  
12/05/2014,12:00:42,0.045  
12/05/2014,12:01:42,0.044  
12/05/2014,12:02:42,0.044  
12/05/2014,12:03:42,0.046  
12/05/2014,12:04:42,0.044  
12/05/2014,12:05:42,0.043  
12/05/2014,12:06:42,0.043  
12/05/2014,12:07:42,0.043

12-5-14 Downwind-1 VOC.prs

14/12/05 08:04

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Summary

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 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907926  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 12/5/2014 08:04:18  
 End 12/5/2014 15:39:27  
 Sample Period(s) 900  
 Number of Records 30  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 12/5/2014 07:52  
 Peak 0.194  
 Min 0.072  
 Average 0.155

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	12/5/2014 08:19:18	0.066	0.121	0.072	
002	12/5/2014 08:34:18	0.077	0.086	0.082	
003	12/5/2014 08:49:18	0.087	0.093	0.091	
004	12/5/2014 09:04:18	0.106	0.165	0.123	
005	12/5/2014 09:19:18	0.112	0.127	0.120	
006	12/5/2014 09:34:18	0.121	0.131	0.124	
007	12/5/2014 09:49:18	0.124	0.133	0.124	
008	12/5/2014 10:04:18	0.130	0.145	0.133	
009	12/5/2014 10:19:18	0.132	0.152	0.142	
010	12/5/2014 10:34:18	0.140	0.164	0.148	
011	12/5/2014 10:49:18	0.146	0.159	0.143	
012	12/5/2014 11:04:18	0.149	0.165	0.153	
013	12/5/2014 11:19:18	0.155	0.173	0.154	
014	12/5/2014 11:34:18	0.155	0.184	0.164	
015	12/5/2014 11:49:18	0.162	0.218	0.157	
016	12/5/2014 12:04:18	0.293	0.838	0.192	
017	12/5/2014 12:19:18	0.178	0.194	0.172	
018	12/5/2014 12:34:18	0.198	0.352	0.190	
019	12/5/2014 12:49:18	0.193	0.390	0.184	
020	12/5/2014 13:04:18	0.184	0.269	0.186	
021	12/5/2014 13:19:18	0.177	0.186	0.174	
022	12/5/2014 13:34:18	0.174	0.179	0.171	
023	12/5/2014 13:49:18	0.173	0.179	0.174	
024	12/5/2014 14:04:18	0.180	0.249	0.178	
025	12/5/2014 14:19:18	0.177	0.183	0.180	

12-5-14 Downwind-1 VOC.prs

026	12/5/2014	14:34:18	0.179	0.194	0.194
027	12/5/2014	14:49:18	0.180	0.192	0.180
028	12/5/2014	15:04:18	0.182	0.238	0.181
029	12/5/2014	15:19:18	0.181	0.184	0.181
030	12/5/2014	15:34:18	0.179	0.184	0.182
Peak		0.293	0.838	0.194	
Min		0.066	0.086	0.072	
Average		0.156	0.208	0.155	

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TWA/STEL

Index	Date/Time	VOC(ppm)	
		(TWA)	(STEL)
001	12/5/2014 08:19:18	0.002	0.072
002	12/5/2014 08:34:18	0.005	0.082
003	12/5/2014 08:49:18	0.008	0.091
004	12/5/2014 09:04:18	0.012	0.123
005	12/5/2014 09:19:18	0.015	0.120
006	12/5/2014 09:34:18	0.019	0.124
007	12/5/2014 09:49:18	0.023	0.124
008	12/5/2014 10:04:18	0.027	0.133
009	12/5/2014 10:19:18	0.032	0.142
010	12/5/2014 10:34:18	0.036	0.148
011	12/5/2014 10:49:18	0.041	0.143
012	12/5/2014 11:04:18	0.045	0.153
013	12/5/2014 11:19:18	0.050	0.154
014	12/5/2014 11:34:18	0.055	0.164
015	12/5/2014 11:49:18	0.060	0.157
016	12/5/2014 12:04:18	0.066	0.192
017	12/5/2014 12:19:18	0.072	0.172
018	12/5/2014 12:34:18	0.078	0.190
019	12/5/2014 12:49:18	0.083	0.184
020	12/5/2014 13:04:18	0.089	0.186
021	12/5/2014 13:19:18	0.095	0.174
022	12/5/2014 13:34:18	0.100	0.171
023	12/5/2014 13:49:18	0.105	0.174
024	12/5/2014 14:04:18	0.111	0.178
025	12/5/2014 14:19:18	0.117	0.180
026	12/5/2014 14:34:18	0.123	0.194
027	12/5/2014 14:49:18	0.128	0.180
028	12/5/2014 15:04:18	0.134	0.181
029	12/5/2014 15:19:18	0.140	0.181
030	12/5/2014 15:34:18	0.145	0.182

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,005  
Test Abbreviation:,MANUAL\_005  
Start Date:,12/05/2014  
Start Time:,08:03:56  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.044  
,Minimum:,0.037  
,Time of Minimum:,12:48:56  
,Date of Minimum:,12/05/2014  
,Maximum:,0.082  
,Time of Maximum:,14:03:56  
,Date of Maximum:,12/05/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/05/2014,08:18:56,0.041  
12/05/2014,08:33:56,0.043  
12/05/2014,08:48:56,0.042  
12/05/2014,09:03:56,0.043  
12/05/2014,09:18:56,0.044  
12/05/2014,09:33:56,0.044  
12/05/2014,09:48:56,0.045  
12/05/2014,10:03:56,0.044  
12/05/2014,10:18:56,0.044  
12/05/2014,10:33:56,0.043  
12/05/2014,10:48:56,0.042  
12/05/2014,11:03:56,0.044  
12/05/2014,11:18:56,0.043  
12/05/2014,11:33:56,0.041  
12/05/2014,11:48:56,0.039  
12/05/2014,12:03:56,0.040  
12/05/2014,12:18:56,0.038  
12/05/2014,12:33:56,0.039  
12/05/2014,12:48:56,0.037  
12/05/2014,13:03:56,0.038  
12/05/2014,13:18:56,0.037  
12/05/2014,13:33:56,0.037  
12/05/2014,13:48:56,0.052  
12/05/2014,14:03:56,0.082  
12/05/2014,14:18:56,0.058  
12/05/2014,14:33:56,0.046  
12/05/2014,14:48:56,0.040  
12/05/2014,15:03:56,0.040  
12/05/2014,15:18:56,0.040  
12/05/2014,15:33:56,0.040

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_A  
Start Date:,12/05/2014  
Start Time:,13:45:35

12-5-14 Downwind-2 Dust

Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.090  
,Minimum:,0.036  
,Time of Minimum:,13:50:35  
,Date of Minimum:,12/05/2014  
,Maximum:,0.529  
,Time of Maximum:,13:57:35  
,Date of Maximum:,12/05/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/05/2014,13:46:35,0.173  
12/05/2014,13:47:35,0.064  
12/05/2014,13:48:35,0.038  
12/05/2014,13:49:35,0.037  
12/05/2014,13:50:35,0.036  
12/05/2014,13:51:35,0.037  
12/05/2014,13:52:35,0.037  
12/05/2014,13:53:35,0.037  
12/05/2014,13:54:35,0.037  
12/05/2014,13:55:35,0.071  
12/05/2014,13:56:35,0.055  
12/05/2014,13:57:35,0.529  
12/05/2014,13:58:35,0.106  
12/05/2014,13:59:35,0.048  
12/05/2014,14:00:35,0.047

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_B  
Start Date:,12/05/2014  
Start Time:,14:05:31  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.056  
,Minimum:,0.039  
,Time of Minimum:,14:15:31  
,Date of Minimum:,12/05/2014  
,Maximum:,0.156  
,Time of Maximum:,14:06:31  
,Date of Maximum:,12/05/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/05/2014,14:06:31,0.156  
12/05/2014,14:07:31,0.044  
12/05/2014,14:08:31,0.040  
12/05/2014,14:09:31,0.040

12-5-14 Downwind-2 Dust

12/05/2014,14:10:31,0.098  
12/05/2014,14:11:31,0.064  
12/05/2014,14:12:31,0.042  
12/05/2014,14:13:31,0.041  
12/05/2014,14:14:31,0.042  
12/05/2014,14:15:31,0.039  
12/05/2014,14:16:31,0.044  
12/05/2014,14:17:31,0.047  
12/05/2014,14:18:31,0.043  
12/05/2014,14:19:31,0.057  
12/05/2014,14:20:31,0.044



12-5-14 Downwind-2 VOC.prs

14/12/05 08:11

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-913116  
 Unit Firmware Ver V1.20A  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 12/5/2014 08:11:17  
 End 12/5/2014 15:50:41  
 Sample Period(s) 900  
 Number of Records 30  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 5.000  
 Measurement Gas Isobutylene  
 Calibration Time 12/5/2014 07:54  
 Peak 3.159  
 Min 0.086  
 Average 0.502

\*\*\*\*\*

Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)
001	12/5/2014 08:26:17	0.072	0.107	0.086
002	12/5/2014 08:41:17	0.097	0.111	0.110
003	12/5/2014 08:56:17	0.123	0.148	0.141
004	12/5/2014 09:11:17	0.159	0.191	0.155
005	12/5/2014 09:26:17	0.172	0.198	0.193
006	12/5/2014 09:41:17	0.185	0.201	0.194
007	12/5/2014 09:56:17	0.193	0.211	0.196
008	12/5/2014 10:11:17	0.197	0.213	0.187
009	12/5/2014 10:26:17	0.200	0.214	0.200
010	12/5/2014 10:41:17	0.201	0.213	0.208
011	12/5/2014 10:56:17	0.203	0.213	0.208
012	12/5/2014 11:11:17	0.206	0.218	0.206
013	12/5/2014 11:26:17	0.210	0.225	0.202
014	12/5/2014 11:41:17	0.211	0.235	0.211
015	12/5/2014 11:56:17	0.214	0.291	0.230
016	12/5/2014 12:11:17	0.231	0.388	0.221
017	12/5/2014 12:26:17	0.217	0.227	0.211
018	12/5/2014 12:41:17	0.219	0.245	0.215
019	12/5/2014 12:56:17	0.217	0.225	0.217
020	12/5/2014 13:11:17	0.221	0.250	0.223
021	12/5/2014 13:26:17	0.218	0.230	0.223
022	12/5/2014 13:41:17	0.217	0.232	0.213
023	12/5/2014 13:56:17	0.226	0.284	0.229
024	12/5/2014 14:11:17	1.404	6.396	3.159
025	12/5/2014 14:26:17	2.012	10.555	2.661

12-5-14 Downwind-2 VOC.prs

026	12/5/2014	14:41:17	1.857	5.929	2.018
027	12/5/2014	14:56:17	1.081	3.328	0.513
028	12/5/2014	15:11:17	0.874	2.122	1.026
029	12/5/2014	15:26:17	1.400	4.369	0.591
030	12/5/2014	15:41:17	0.910	2.120	0.607
Peak		2.012	10.555	3.159	
Min		0.072	0.107	0.086	
Average		0.465	1.330	0.502	

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	12/5/2014 08:26:17	0.003	0.086
002	12/5/2014 08:41:17	0.006	0.110
003	12/5/2014 08:56:17	0.011	0.141
004	12/5/2014 09:11:17	0.015	0.155
005	12/5/2014 09:26:17	0.021	0.193
006	12/5/2014 09:41:17	0.027	0.194
007	12/5/2014 09:56:17	0.034	0.196
008	12/5/2014 10:11:17	0.039	0.187
009	12/5/2014 10:26:17	0.046	0.200
010	12/5/2014 10:41:17	0.052	0.208
011	12/5/2014 10:56:17	0.059	0.208
012	12/5/2014 11:11:17	0.065	0.206
013	12/5/2014 11:26:17	0.071	0.202
014	12/5/2014 11:41:17	0.078	0.211
015	12/5/2014 11:56:17	0.085	0.230
016	12/5/2014 12:11:17	0.092	0.221
017	12/5/2014 12:26:17	0.099	0.211
018	12/5/2014 12:41:17	0.105	0.215
019	12/5/2014 12:56:17	0.112	0.217
020	12/5/2014 13:11:17	0.119	0.223
021	12/5/2014 13:26:17	0.126	0.223
022	12/5/2014 13:41:17	0.133	0.213
023	12/5/2014 13:56:17	0.140	0.229
024	12/5/2014 14:11:17	0.239	3.159
025	12/5/2014 14:26:17	0.322	2.661
026	12/5/2014 14:41:17	0.385	2.018
027	12/5/2014 14:56:17	0.401	0.513
028	12/5/2014 15:11:17	0.433	1.026
029	12/5/2014 15:26:17	0.451	0.591
030	12/5/2014 15:41:17	0.470	0.607

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,005  
Test Abbreviation:,MANUAL\_005  
Start Date:,12/05/2014  
Start Time:,07:54:11  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.045  
,Minimum:,0.042  
,Time of Minimum:,13:09:11  
,Date of Minimum:,12/05/2014  
,Maximum:,0.049  
,Time of Maximum:,09:39:11  
,Date of Maximum:,12/05/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL

MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/05/2014,08:09:11,0.046  
12/05/2014,08:24:11,0.046  
12/05/2014,08:39:11,0.046  
12/05/2014,08:54:11,0.047  
12/05/2014,09:09:11,0.047  
12/05/2014,09:24:11,0.048  
12/05/2014,09:39:11,0.049  
12/05/2014,09:54:11,0.048  
12/05/2014,10:09:11,0.048  
12/05/2014,10:24:11,0.048  
12/05/2014,10:39:11,0.046  
12/05/2014,10:54:11,0.047  
12/05/2014,11:09:11,0.047  
12/05/2014,11:24:11,0.046  
12/05/2014,11:39:11,0.045  
12/05/2014,11:54:11,0.044  
12/05/2014,12:09:11,0.043  
12/05/2014,12:24:11,0.044  
12/05/2014,12:39:11,0.043  
12/05/2014,12:54:11,0.044  
12/05/2014,13:09:11,0.042  
12/05/2014,13:24:11,0.042  
12/05/2014,13:39:11,0.042  
12/05/2014,13:54:11,0.043  
12/05/2014,14:09:11,0.043  
12/05/2014,14:24:11,0.044  
12/05/2014,14:39:11,0.044  
12/05/2014,14:54:11,0.044  
12/05/2014,15:09:11,0.044

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_A  
Start Date:,12/05/2014  
Start Time:,07:54:12  
Duration (dd:hh:mm:ss):,0:00:15:00

12-5-14 Upwind Dust

Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.046  
,Minimum:,0.045  
,Time of Minimum:,07:56:12  
,Date of Minimum:,12/05/2014  
,Maximum:,0.065  
,Time of Maximum:,07:55:12  
,Date of Maximum:,12/05/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/05/2014,07:55:12,0.065  
12/05/2014,07:56:12,0.045  
12/05/2014,07:57:12,0.045  
12/05/2014,07:58:12,0.045  
12/05/2014,07:59:12,0.045  
12/05/2014,08:00:12,0.046  
12/05/2014,08:01:12,0.045  
12/05/2014,08:02:12,0.046  
12/05/2014,08:03:12,0.045  
12/05/2014,08:04:12,0.045  
12/05/2014,08:05:12,0.045  
12/05/2014,08:06:12,0.045  
12/05/2014,08:07:12,0.045  
12/05/2014,08:08:12,0.045  
12/05/2014,08:09:12,0.045

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,12/08/2014  
Start Time:,08:24:25  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.018  
,Minimum:,0.011  
,Time of Minimum:,14:39:25  
,Date of Minimum:,12/08/2014  
,Maximum:,0.036  
,Time of Maximum:,12:09:25  
,Date of Maximum:,12/08/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/08/2014,08:39:25,0.016  
12/08/2014,08:54:25,0.016  
12/08/2014,09:09:25,0.019  
12/08/2014,09:24:25,0.019  
12/08/2014,09:39:25,0.022  
12/08/2014,09:54:25,0.020  
12/08/2014,10:09:25,0.020  
12/08/2014,10:24:25,0.020  
12/08/2014,10:39:25,0.022  
12/08/2014,10:54:25,0.020  
12/08/2014,11:09:25,0.021  
12/08/2014,11:24:25,0.023  
12/08/2014,11:39:25,0.021  
12/08/2014,11:54:25,0.020  
12/08/2014,12:09:25,0.036  
12/08/2014,12:24:25,0.021  
12/08/2014,12:39:25,0.023  
12/08/2014,12:54:25,0.019  
12/08/2014,13:09:25,0.015  
12/08/2014,13:24:25,0.014  
12/08/2014,13:39:25,0.016  
12/08/2014,13:54:25,0.015  
12/08/2014,14:09:25,0.015  
12/08/2014,14:24:25,0.013  
12/08/2014,14:39:25,0.011  
12/08/2014,14:54:25,0.012  
12/08/2014,15:09:25,0.011  
12/08/2014,15:24:25,0.012  
12/08/2014,15:39:25,0.011

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,12/08/2014  
Start Time:,09:31:23  
Duration (dd:hh:mm:ss):,0:00:15:00

12-8-14 Downwind-1 Dust

Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.021  
,Minimum:,0.018  
,Time of Minimum:,09:33:23  
,Date of Minimum:,12/08/2014  
,Maximum:,0.050  
,Time of Maximum:,09:32:23  
,Date of Maximum:,12/08/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/08/2014,09:32:23,0.050  
12/08/2014,09:33:23,0.018  
12/08/2014,09:34:23,0.018  
12/08/2014,09:35:23,0.018  
12/08/2014,09:36:23,0.019  
12/08/2014,09:37:23,0.019  
12/08/2014,09:38:23,0.019  
12/08/2014,09:39:23,0.019  
12/08/2014,09:40:23,0.020  
12/08/2014,09:41:23,0.019  
12/08/2014,09:42:23,0.019  
12/08/2014,09:43:23,0.021  
12/08/2014,09:44:23,0.019  
12/08/2014,09:45:23,0.021  
12/08/2014,09:46:23,0.019

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_B  
Start Date:,12/08/2014  
Start Time:,11:59:54  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.034  
,Minimum:,0.017  
,Time of Minimum:,12:08:54  
,Date of Minimum:,12/08/2014  
,Maximum:,0.230  
,Time of Maximum:,12:00:54  
,Date of Maximum:,12/08/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/08/2014,12:00:54,0.230  
12/08/2014,12:01:54,0.030  
12/08/2014,12:02:54,0.019  
12/08/2014,12:03:54,0.019  
12/08/2014,12:04:54,0.026

12-8-14 Downwind-1 Dust

12/08/2014,12:05:54,0.028  
12/08/2014,12:06:54,0.022  
12/08/2014,12:07:54,0.019  
12/08/2014,12:08:54,0.017  
12/08/2014,12:09:54,0.018  
12/08/2014,12:10:54,0.017  
12/08/2014,12:11:54,0.019  
12/08/2014,12:12:54,0.018  
12/08/2014,12:13:54,0.017  
12/08/2014,12:14:54,0.018

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530141112  
Test ID: ,001  
Test Abbreviation: ,MANUAL\_001\_C  
Start Date: ,12/08/2014  
Start Time: ,12:27:22  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.022  
,Minimum: ,0.016  
,Time of Minimum: ,12:40:22  
,Date of Minimum: ,12/08/2014  
,Maximum: ,0.057  
,Time of Maximum: ,12:28:22  
,Date of Maximum: ,12/08/2014

Calibration,Sensor: ,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/08/2014,12:28:22,0.057  
12/08/2014,12:29:22,0.023  
12/08/2014,12:30:22,0.020  
12/08/2014,12:31:22,0.019  
12/08/2014,12:32:22,0.019  
12/08/2014,12:33:22,0.019  
12/08/2014,12:34:22,0.025  
12/08/2014,12:35:22,0.027  
12/08/2014,12:36:22,0.020  
12/08/2014,12:37:22,0.017  
12/08/2014,12:38:22,0.017  
12/08/2014,12:39:22,0.017  
12/08/2014,12:40:22,0.016  
12/08/2014,12:41:22,0.017  
12/08/2014,12:42:22,0.017

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,12/08/2014  
Start Time:,11:24:16  
Duration (dd:hh:mm:ss):,0:04:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,17  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.014  
,Minimum:,0.009  
,Time of Minimum:,14:24:16  
,Date of Minimum:,12/08/2014  
,Maximum:,0.031  
,Time of Maximum:,12:39:16  
,Date of Maximum:,12/08/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/08/2014,11:39:16,0.014  
12/08/2014,11:54:16,0.014  
12/08/2014,12:09:16,0.016  
12/08/2014,12:24:16,0.015  
12/08/2014,12:39:16,0.031  
12/08/2014,12:54:16,0.023  
12/08/2014,13:09:16,0.013  
12/08/2014,13:24:16,0.018  
12/08/2014,13:39:16,0.018  
12/08/2014,13:54:16,0.012  
12/08/2014,14:09:16,0.011  
12/08/2014,14:24:16,0.009  
12/08/2014,14:39:16,0.009  
12/08/2014,14:54:16,0.010  
12/08/2014,15:09:16,0.010  
12/08/2014,15:24:16,0.010  
12/08/2014,15:39:16,0.010

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,12/08/2014  
Start Time:,12:29:29  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.029  
,Minimum:,0.014  
,Time of Minimum:,12:37:29  
,Date of Minimum:,12/08/2014  
,Maximum:,0.136  
,Time of Maximum:,12:30:29



,Date of Maximum:,12/08/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/08/2014,12:30:29,0.136  
12/08/2014,12:31:29,0.017  
12/08/2014,12:32:29,0.022  
12/08/2014,12:33:29,0.016  
12/08/2014,12:34:29,0.021  
12/08/2014,12:35:29,0.079  
12/08/2014,12:36:29,0.029  
12/08/2014,12:37:29,0.014  
12/08/2014,12:38:29,0.016  
12/08/2014,12:39:29,0.015  
12/08/2014,12:40:29,0.014  
12/08/2014,12:41:29,0.014  
12/08/2014,12:42:29,0.014  
12/08/2014,12:43:29,0.015  
12/08/2014,12:44:29,0.015

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530122515  
Test ID: ,001  
Test Abbreviation: ,MANUAL\_001\_B  
Start Date: ,12/08/2014  
Start Time: ,12:48:35  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.020  
,Minimum: ,0.011  
,Time of Minimum: ,12:59:35  
,Date of Minimum: ,12/08/2014  
,Maximum: ,0.109  
,Time of Maximum: ,12:49:35  
,Date of Maximum: ,12/08/2014

Calibration,Sensor: ,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/08/2014,12:49:35,0.109  
12/08/2014,12:50:35,0.016  
12/08/2014,12:51:35,0.013  
12/08/2014,12:52:35,0.014  
12/08/2014,12:53:35,0.015  
12/08/2014,12:54:35,0.014  
12/08/2014,12:55:35,0.015  
12/08/2014,12:56:35,0.021  
12/08/2014,12:57:35,0.019  
12/08/2014,12:58:35,0.016  
12/08/2014,12:59:35,0.011  
12/08/2014,13:00:35,0.011  
12/08/2014,13:01:35,0.011  
12/08/2014,13:02:35,0.011  
12/08/2014,13:03:35,0.012

12-8-14 Downwind-2 VOC.prs

14/12/08 08:23

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-913116  
 Unit Firmware Ver V1.20A  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 12/8/2014 08:23:26  
 End 12/8/2014 15:52:53  
 Sample Period(s) 900  
 Number of Records 29  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 5.000  
 Measurement Gas Isobutylene  
 Calibration Time 12/8/2014 07:56  
 Peak 0.561  
 Min 0.025  
 Average 0.217  
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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	12/8/2014 08:38:26	0.027	0.126	0.025	0.025
002	12/8/2014 08:53:26	0.029	0.036	0.035	0.035
003	12/8/2014 09:08:26	0.041	0.049	0.049	0.049
004	12/8/2014 09:23:26	0.055	0.063	0.060	0.060
005	12/8/2014 09:38:26	0.076	0.093	0.088	0.088
006	12/8/2014 09:53:26	0.092	0.107	0.103	0.103
007	12/8/2014 10:08:26	0.113	0.171	0.120	0.120
008	12/8/2014 10:23:26	0.124	0.135	0.124	0.124
009	12/8/2014 10:38:26	0.136	0.173	0.139	0.139
010	12/8/2014 10:53:26	0.136	0.170	0.140	0.140
011	12/8/2014 11:08:26	0.144	0.192	0.134	0.134
012	12/8/2014 11:23:26	0.140	0.152	0.143	0.143
013	12/8/2014 11:38:26	0.144	0.159	0.149	0.149
014	12/8/2014 11:53:26	0.185	0.385	0.157	0.157
015	12/8/2014 12:08:26	0.181	0.485	0.207	0.207
016	12/8/2014 12:23:26	0.201	0.457	0.164	0.164
017	12/8/2014 12:38:26	0.277	1.754	0.480	0.480
018	12/8/2014 12:53:26	0.298	0.769	0.416	0.416
019	12/8/2014 13:08:26	0.377	1.427	0.303	0.303
020	12/8/2014 13:23:26	0.388	1.091	0.316	0.316
021	12/8/2014 13:38:26	0.572	1.544	0.284	0.284
022	12/8/2014 13:53:26	0.266	0.490	0.257	0.257
023	12/8/2014 14:08:26	0.331	0.598	0.214	0.214
024	12/8/2014 14:23:26	0.332	0.635	0.539	0.539
025	12/8/2014 14:38:26	0.327	0.569	0.297	0.297

12-8-14 Downwind-2 VOC.prs

026	12/8/2014	14:53:26	0.272	0.400	0.205
027	12/8/2014	15:08:26	0.406	0.765	0.351
028	12/8/2014	15:23:26	0.287	0.605	0.561
029	12/8/2014	15:38:26	0.570	1.524	0.228
Peak		0.572	1.754	0.561	
Min		0.027	0.036	0.025	
Average		0.225	0.522	0.217	

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	12/8/2014 08:38:26	0.001	0.025
002	12/8/2014 08:53:26	0.002	0.035
003	12/8/2014 09:08:26	0.003	0.049
004	12/8/2014 09:23:26	0.005	0.060
005	12/8/2014 09:38:26	0.008	0.088
006	12/8/2014 09:53:26	0.011	0.103
007	12/8/2014 10:08:26	0.015	0.120
008	12/8/2014 10:23:26	0.019	0.124
009	12/8/2014 10:38:26	0.023	0.139
010	12/8/2014 10:53:26	0.028	0.140
011	12/8/2014 11:08:26	0.032	0.134
012	12/8/2014 11:23:26	0.036	0.143
013	12/8/2014 11:38:26	0.041	0.149
014	12/8/2014 11:53:26	0.046	0.157
015	12/8/2014 12:08:26	0.052	0.207
016	12/8/2014 12:23:26	0.057	0.164
017	12/8/2014 12:38:26	0.072	0.480
018	12/8/2014 12:53:26	0.085	0.416
019	12/8/2014 13:08:26	0.095	0.303
020	12/8/2014 13:23:26	0.105	0.316
021	12/8/2014 13:38:26	0.114	0.284
022	12/8/2014 13:53:26	0.122	0.257
023	12/8/2014 14:08:26	0.128	0.214
024	12/8/2014 14:23:26	0.145	0.539
025	12/8/2014 14:38:26	0.154	0.297
026	12/8/2014 14:53:26	0.161	0.205
027	12/8/2014 15:08:26	0.172	0.351
028	12/8/2014 15:23:26	0.189	0.561
029	12/8/2014 15:38:26	0.196	0.228

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,12/08/2014  
Start Time:,08:06:06  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.013  
,Minimum:,0.008  
,Time of Minimum:,14:36:06  
,Date of Minimum:,12/08/2014  
,Maximum:,0.017  
,Time of Maximum:,09:06:06  
,Date of Maximum:,12/08/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/08/2014,08:21:06,0.015  
12/08/2014,08:36:06,0.015  
12/08/2014,08:51:06,0.016  
12/08/2014,09:06:06,0.017  
12/08/2014,09:21:06,0.017  
12/08/2014,09:36:06,0.017  
12/08/2014,09:51:06,0.017  
12/08/2014,10:06:06,0.016  
12/08/2014,10:21:06,0.016  
12/08/2014,10:36:06,0.016  
12/08/2014,10:51:06,0.015  
12/08/2014,11:06:06,0.014  
12/08/2014,11:21:06,0.016  
12/08/2014,11:36:06,0.015  
12/08/2014,11:51:06,0.013  
12/08/2014,12:06:06,0.014  
12/08/2014,12:21:06,0.014  
12/08/2014,12:36:06,0.014  
12/08/2014,12:51:06,0.014  
12/08/2014,13:06:06,0.012  
12/08/2014,13:21:06,0.009  
12/08/2014,13:36:06,0.010  
12/08/2014,13:51:06,0.010  
12/08/2014,14:06:06,0.010  
12/08/2014,14:21:06,0.009  
12/08/2014,14:36:06,0.008  
12/08/2014,14:51:06,0.009  
12/08/2014,15:06:06,0.009  
12/08/2014,15:21:06,0.009  
12/08/2014,15:36:06,0.010  
12/08/2014,15:51:06,0.011

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,12/09/2014  
Start Time:,08:18:03  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.027  
,Minimum:,0.023  
,Time of Minimum:,10:48:03  
,Date of Minimum:,12/09/2014  
,Maximum:,0.036  
,Time of Maximum:,12:33:03  
,Date of Maximum:,12/09/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/09/2014,08:33:03,0.031  
12/09/2014,08:48:03,0.025  
12/09/2014,09:03:03,0.026  
12/09/2014,09:18:03,0.027  
12/09/2014,09:33:03,0.028  
12/09/2014,09:48:03,0.025  
12/09/2014,10:03:03,0.024  
12/09/2014,10:18:03,0.031  
12/09/2014,10:33:03,0.025  
12/09/2014,10:48:03,0.023  
12/09/2014,11:03:03,0.025  
12/09/2014,11:18:03,0.025  
12/09/2014,11:33:03,0.025  
12/09/2014,11:48:03,0.028  
12/09/2014,12:03:03,0.029  
12/09/2014,12:18:03,0.025  
12/09/2014,12:33:03,0.036  
12/09/2014,12:48:03,0.028  
12/09/2014,13:03:03,0.031  
12/09/2014,13:18:03,0.023  
12/09/2014,13:33:03,0.027  
12/09/2014,13:48:03,0.030  
12/09/2014,14:03:03,0.025  
12/09/2014,14:18:03,0.027  
12/09/2014,14:33:03,0.025  
12/09/2014,14:48:03,0.027  
12/09/2014,15:03:03,0.026  
12/09/2014,15:18:03,0.026  
12/09/2014,15:33:03,0.025  
12/09/2014,15:48:03,0.023  
12/09/2014,16:03:03,0.025

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_A  
Start Date:,12/09/2014

12-9-14 Downwind-1 Dust

Start Time:,08:18:09  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.031  
,Minimum:,0.026  
,Time of Minimum:,08:27:09  
,Date of Minimum:,12/09/2014  
,Maximum:,0.071  
,Time of Maximum:,08:19:09  
,Date of Maximum:,12/09/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/09/2014,08:19:09,0.071  
12/09/2014,08:20:09,0.032  
12/09/2014,08:21:09,0.030  
12/09/2014,08:22:09,0.030  
12/09/2014,08:23:09,0.030  
12/09/2014,08:24:09,0.030  
12/09/2014,08:25:09,0.029  
12/09/2014,08:26:09,0.027  
12/09/2014,08:27:09,0.026  
12/09/2014,08:28:09,0.027  
12/09/2014,08:29:09,0.026  
12/09/2014,08:30:09,0.026  
12/09/2014,08:31:09,0.026  
12/09/2014,08:32:09,0.026  
12/09/2014,08:33:09,0.026

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_B  
Start Date:,12/09/2014  
Start Time:,11:44:47  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.031  
,Minimum:,0.026  
,Time of Minimum:,11:49:47  
,Date of Minimum:,12/09/2014  
,Maximum:,0.053  
,Time of Maximum:,11:45:47  
,Date of Maximum:,12/09/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/09/2014,11:45:47,0.053  
12/09/2014,11:46:47,0.032  
12/09/2014,11:47:47,0.035

12-9-14 Downwind-1 Dust

12/09/2014,11:48:47,0.029  
12/09/2014,11:49:47,0.026  
12/09/2014,11:50:47,0.028  
12/09/2014,11:51:47,0.027  
12/09/2014,11:52:47,0.026  
12/09/2014,11:53:47,0.026  
12/09/2014,11:54:47,0.027  
12/09/2014,11:55:47,0.028  
12/09/2014,11:56:47,0.028  
12/09/2014,11:57:47,0.029  
12/09/2014,11:58:47,0.027  
12/09/2014,11:59:47,0.044

12-9-14 Downwind-1 VOC.prs

14/12/09 08:22

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907926  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 12/9/2014 08:22:07  
 End 12/9/2014 16:12:14  
 Sample Period(s) 900  
 Number of Records 31  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 12/9/2014 07:47  
 Peak 0.266  
 Min 0.063  
 Average 0.101  
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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	12/9/2014 08:37:07	0.291	0.456	0.266	
002	12/9/2014 08:52:07	0.135	0.274	0.095	
003	12/9/2014 09:07:07	0.084	0.105	0.081	
004	12/9/2014 09:22:07	0.071	0.091	0.063	
005	12/9/2014 09:37:07	0.066	0.092	0.067	
006	12/9/2014 09:52:07	0.076	0.114	0.066	
007	12/9/2014 10:07:07	0.068	0.101	0.070	
008	12/9/2014 10:22:07	0.072	0.080	0.073	
009	12/9/2014 10:37:07	0.070	0.074	0.070	
010	12/9/2014 10:52:07	0.071	0.077	0.076	
011	12/9/2014 11:07:07	0.075	0.080	0.079	
012	12/9/2014 11:22:07	0.082	0.089	0.086	
013	12/9/2014 11:37:07	0.086	0.090	0.088	
014	12/9/2014 11:52:07	0.093	0.112	0.098	
015	12/9/2014 12:07:07	0.135	0.258	0.106	
016	12/9/2014 12:22:07	0.103	0.131	0.098	
017	12/9/2014 12:37:07	0.110	0.159	0.101	
018	12/9/2014 12:52:07	0.106	0.128	0.104	
019	12/9/2014 13:07:07	0.108	0.127	0.105	
020	12/9/2014 13:22:07	0.109	0.146	0.129	
021	12/9/2014 13:37:07	0.116	0.137	0.107	
022	12/9/2014 13:52:07	0.114	0.143	0.117	
023	12/9/2014 14:07:07	0.106	0.119	0.110	
024	12/9/2014 14:22:07	0.106	0.119	0.099	
025	12/9/2014 14:37:07	0.107	0.145	0.124	



12-9-14 Downwind-1 VOC.prs

026	12/9/2014	14:52:07	0.105	0.126	0.103
027	12/9/2014	15:07:07	0.105	0.123	0.111
028	12/9/2014	15:22:07	0.106	0.123	0.106
029	12/9/2014	15:37:07	0.104	0.120	0.105
030	12/9/2014	15:52:07	0.102	0.115	0.097
031	12/9/2014	16:07:07	0.111	0.151	0.117
Peak		0.291	0.456	0.266	
Min		0.066	0.074	0.063	
Average		0.103	0.136	0.101	

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	12/9/2014 08:37:07	0.008	0.266
002	12/9/2014 08:52:07	0.011	0.095
003	12/9/2014 09:07:07	0.014	0.081
004	12/9/2014 09:22:07	0.016	0.063
005	12/9/2014 09:37:07	0.018	0.067
006	12/9/2014 09:52:07	0.020	0.066
007	12/9/2014 10:07:07	0.022	0.070
008	12/9/2014 10:22:07	0.024	0.073
009	12/9/2014 10:37:07	0.027	0.070
010	12/9/2014 10:52:07	0.029	0.076
011	12/9/2014 11:07:07	0.031	0.079
012	12/9/2014 11:22:07	0.034	0.086
013	12/9/2014 11:37:07	0.037	0.088
014	12/9/2014 11:52:07	0.040	0.098
015	12/9/2014 12:07:07	0.043	0.106
016	12/9/2014 12:22:07	0.046	0.098
017	12/9/2014 12:37:07	0.049	0.101
018	12/9/2014 12:52:07	0.053	0.104
019	12/9/2014 13:07:07	0.056	0.105
020	12/9/2014 13:22:07	0.060	0.129
021	12/9/2014 13:37:07	0.063	0.107
022	12/9/2014 13:52:07	0.067	0.117
023	12/9/2014 14:07:07	0.070	0.110
024	12/9/2014 14:22:07	0.074	0.099
025	12/9/2014 14:37:07	0.077	0.124
026	12/9/2014 14:52:07	0.081	0.103
027	12/9/2014 15:07:07	0.084	0.111
028	12/9/2014 15:22:07	0.087	0.106
029	12/9/2014 15:37:07	0.091	0.105
030	12/9/2014 15:52:07	0.094	0.097
031	12/9/2014 16:07:07	0.097	0.117

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,12/09/2014  
Start Time:,08:11:08  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.023  
,Minimum:,0.020  
,Time of Minimum:,15:41:08  
,Date of Minimum:,12/09/2014  
,Maximum:,0.028  
,Time of Maximum:,08:26:08  
,Date of Maximum:,12/09/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/09/2014,08:26:08,0.028  
12/09/2014,08:41:08,0.022  
12/09/2014,08:56:08,0.021  
12/09/2014,09:11:08,0.022  
12/09/2014,09:26:08,0.021  
12/09/2014,09:41:08,0.021  
12/09/2014,09:56:08,0.024  
12/09/2014,10:11:08,0.025  
12/09/2014,10:26:08,0.024  
12/09/2014,10:41:08,0.021  
12/09/2014,10:56:08,0.021  
12/09/2014,11:11:08,0.021  
12/09/2014,11:26:08,0.022  
12/09/2014,11:41:08,0.022  
12/09/2014,11:56:08,0.026  
12/09/2014,12:11:08,0.028  
12/09/2014,12:26:08,0.025  
12/09/2014,12:41:08,0.028  
12/09/2014,12:56:08,0.026  
12/09/2014,13:11:08,0.024  
12/09/2014,13:26:08,0.022  
12/09/2014,13:41:08,0.022  
12/09/2014,13:56:08,0.025  
12/09/2014,14:11:08,0.023  
12/09/2014,14:26:08,0.028  
12/09/2014,14:41:08,0.025  
12/09/2014,14:56:08,0.023  
12/09/2014,15:11:08,0.022  
12/09/2014,15:26:08,0.023  
12/09/2014,15:41:08,0.020  
12/09/2014,15:56:08,0.022

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_A  
Start Date:,12/09/2014

12-9-14 Downwind-2 Dust

Start Time:,12:07:45  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.027  
,Minimum:,0.022  
,Time of Minimum:,12:17:45  
,Date of Minimum:,12/09/2014  
,Maximum:,0.052  
,Time of Maximum:,12:08:45  
,Date of Maximum:,12/09/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/09/2014,12:08:45,0.052  
12/09/2014,12:09:45,0.025  
12/09/2014,12:10:45,0.040  
12/09/2014,12:11:45,0.028  
12/09/2014,12:12:45,0.024  
12/09/2014,12:13:45,0.023  
12/09/2014,12:14:45,0.024  
12/09/2014,12:15:45,0.023  
12/09/2014,12:16:45,0.023  
12/09/2014,12:17:45,0.022  
12/09/2014,12:18:45,0.023  
12/09/2014,12:19:45,0.024  
12/09/2014,12:20:45,0.025  
12/09/2014,12:21:45,0.023  
12/09/2014,12:22:45,0.025

12-9-14 Downwind-2 VOC.prs

14/12/09 08:19

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-913116  
 Unit Firmware Ver V1.20A  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 12/9/2014 08:19:36  
 End 12/9/2014 16:16:34  
 Sample Period(s) 900  
 Number of Records 31  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 5.000  
 Measurement Gas Isobutylene  
 Calibration Time 12/9/2014 07:45  
 Peak 0.176  
 Min 0.016  
 Average 0.098  
 -----

\*\*\*\*\*

Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	12/9/2014 08:34:36	0.060	0.297	0.016	
002	12/9/2014 08:49:36	0.022	0.029	0.028	
003	12/9/2014 09:04:36	0.024	0.028	0.026	
004	12/9/2014 09:19:36	0.058	0.173	0.047	
005	12/9/2014 09:34:36	0.056	0.096	0.063	
006	12/9/2014 09:49:36	0.068	0.104	0.083	
007	12/9/2014 10:04:36	0.101	0.193	0.087	
008	12/9/2014 10:19:36	0.094	0.157	0.109	
009	12/9/2014 10:34:36	0.087	0.115	0.078	
010	12/9/2014 10:49:36	0.086	0.143	0.086	
011	12/9/2014 11:04:36	0.091	0.154	0.090	
012	12/9/2014 11:19:36	0.085	0.105	0.086	
013	12/9/2014 11:34:36	0.086	0.097	0.087	
014	12/9/2014 11:49:36	0.092	0.232	0.093	
015	12/9/2014 12:04:36	0.104	0.174	0.086	
016	12/9/2014 12:19:36	0.130	0.299	0.132	
017	12/9/2014 12:34:36	0.108	0.178	0.153	
018	12/9/2014 12:49:36	0.113	0.164	0.133	
019	12/9/2014 13:04:36	0.106	0.157	0.097	
020	12/9/2014 13:19:36	0.110	0.154	0.120	
021	12/9/2014 13:34:36	0.110	0.139	0.100	
022	12/9/2014 13:49:36	0.103	0.140	0.096	
023	12/9/2014 14:04:36	0.114	0.168	0.105	
024	12/9/2014 14:19:36	0.106	0.130	0.101	
025	12/9/2014 14:34:36	0.117	0.157	0.127	

12-9-14 Downwind-2 VOC.prs

026	12/9/2014	14:49:36	0.123	0.161	0.130
027	12/9/2014	15:04:36	0.119	0.154	0.105
028	12/9/2014	15:19:36	0.114	0.141	0.134
029	12/9/2014	15:34:36	0.126	0.172	0.126
030	12/9/2014	15:49:36	0.140	0.185	0.176
031	12/9/2014	16:04:36	0.150	0.227	0.132
Peak			0.150	0.299	0.176
Min			0.022	0.028	0.016
Average			0.097	0.156	0.098

\*\*\*\*\*

TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	12/9/2014 08:34:36	0.001	0.016
002	12/9/2014 08:49:36	0.001	0.028
003	12/9/2014 09:04:36	0.002	0.026
004	12/9/2014 09:19:36	0.004	0.047
005	12/9/2014 09:34:36	0.006	0.063
006	12/9/2014 09:49:36	0.008	0.083
007	12/9/2014 10:04:36	0.011	0.087
008	12/9/2014 10:19:36	0.014	0.109
009	12/9/2014 10:34:36	0.017	0.078
010	12/9/2014 10:49:36	0.019	0.086
011	12/9/2014 11:04:36	0.022	0.090
012	12/9/2014 11:19:36	0.025	0.086
013	12/9/2014 11:34:36	0.028	0.087
014	12/9/2014 11:49:36	0.031	0.093
015	12/9/2014 12:04:36	0.033	0.086
016	12/9/2014 12:19:36	0.037	0.132
017	12/9/2014 12:34:36	0.042	0.153
018	12/9/2014 12:49:36	0.046	0.133
019	12/9/2014 13:04:36	0.049	0.097
020	12/9/2014 13:19:36	0.053	0.120
021	12/9/2014 13:34:36	0.056	0.100
022	12/9/2014 13:49:36	0.059	0.096
023	12/9/2014 14:04:36	0.063	0.105
024	12/9/2014 14:19:36	0.066	0.101
025	12/9/2014 14:34:36	0.070	0.127
026	12/9/2014 14:49:36	0.074	0.130
027	12/9/2014 15:04:36	0.077	0.105
028	12/9/2014 15:19:36	0.081	0.134
029	12/9/2014 15:34:36	0.085	0.126
030	12/9/2014 15:49:36	0.091	0.176
031	12/9/2014 16:04:36	0.095	0.132

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,12/09/2014  
Start Time:,08:01:34  
Duration (dd:hh:mm:ss):,0:08:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,32  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.024  
,Minimum:,0.020  
,Time of Minimum:,10:01:34  
,Date of Minimum:,12/09/2014  
,Maximum:,0.036  
,Time of Maximum:,08:16:34  
,Date of Maximum:,12/09/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/09/2014,08:16:34,0.036  
12/09/2014,08:31:34,0.024  
12/09/2014,08:46:34,0.024  
12/09/2014,09:01:34,0.025  
12/09/2014,09:16:34,0.025  
12/09/2014,09:31:34,0.024  
12/09/2014,09:46:34,0.023  
12/09/2014,10:01:34,0.020  
12/09/2014,10:16:34,0.030  
12/09/2014,10:31:34,0.025  
12/09/2014,10:46:34,0.023  
12/09/2014,11:01:34,0.024  
12/09/2014,11:16:34,0.025  
12/09/2014,11:31:34,0.026  
12/09/2014,11:46:34,0.023  
12/09/2014,12:01:34,0.023  
12/09/2014,12:16:34,0.024  
12/09/2014,12:31:34,0.026  
12/09/2014,12:46:34,0.024  
12/09/2014,13:01:34,0.025  
12/09/2014,13:16:34,0.020  
12/09/2014,13:31:34,0.022  
12/09/2014,13:46:34,0.023  
12/09/2014,14:01:34,0.022  
12/09/2014,14:16:34,0.022  
12/09/2014,14:31:34,0.023  
12/09/2014,14:46:34,0.023  
12/09/2014,15:01:34,0.024  
12/09/2014,15:16:34,0.022  
12/09/2014,15:31:34,0.021  
12/09/2014,15:46:34,0.020  
12/09/2014,16:01:34,0.022

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_A

12-9-14 Upwind Dust

Start Date:,12/09/2014  
Start Time:,08:01:35  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.036  
,Minimum:,0.024  
,Time of Minimum:,08:16:35  
,Date of Minimum:,12/09/2014  
,Maximum:,0.084  
,Time of Maximum:,08:02:35  
,Date of Maximum:,12/09/2014

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
12/09/2014,08:02:35,0.084  
12/09/2014,08:03:35,0.033  
12/09/2014,08:04:35,0.035  
12/09/2014,08:05:35,0.036  
12/09/2014,08:06:35,0.036  
12/09/2014,08:07:35,0.034  
12/09/2014,08:08:35,0.035  
12/09/2014,08:09:35,0.034  
12/09/2014,08:10:35,0.035  
12/09/2014,08:11:35,0.032  
12/09/2014,08:12:35,0.030  
12/09/2014,08:13:35,0.028  
12/09/2014,08:14:35,0.028  
12/09/2014,08:15:35,0.027  
12/09/2014,08:16:35,0.024

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,02/10/2015  
Start Time:,08:03:27  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.041  
,Minimum:,0.030  
,Time of Minimum:,11:48:27  
,Date of Minimum:,02/10/2015  
,Maximum:,0.095  
,Time of Maximum:,10:03:27  
,Date of Maximum:,02/10/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/10/2015,08:18:27,0.031  
02/10/2015,08:33:27,0.037  
02/10/2015,08:48:27,0.042  
02/10/2015,09:03:27,0.045  
02/10/2015,09:18:27,0.052  
02/10/2015,09:33:27,0.047  
02/10/2015,09:48:27,0.048  
02/10/2015,10:03:27,0.095  
02/10/2015,10:18:27,0.064  
02/10/2015,10:33:27,0.046  
02/10/2015,10:48:27,0.046  
02/10/2015,11:03:27,0.036  
02/10/2015,11:18:27,0.032  
02/10/2015,11:33:27,0.031  
02/10/2015,11:48:27,0.030  
02/10/2015,12:03:27,0.032  
02/10/2015,12:18:27,0.033  
02/10/2015,12:33:27,0.033  
02/10/2015,12:48:27,0.039  
02/10/2015,13:03:27,0.033  
02/10/2015,13:18:27,0.036  
02/10/2015,13:33:27,0.036  
02/10/2015,13:48:27,0.033  
02/10/2015,14:03:27,0.034  
02/10/2015,14:18:27,0.032  
02/10/2015,14:33:27,0.035  
02/10/2015,14:48:27,0.037  
02/10/2015,15:03:27,0.043  
02/10/2015,15:18:27,0.044  
02/10/2015,15:33:27,0.047  
02/10/2015,15:48:27,0.038

Model:,DustTrak II  
Model Number:,8530



Serial Number:,8530141112  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_A  
Start Date:,02/10/2015  
Start Time:,09:58:02  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.108  
,Minimum:,0.047  
,Time of Minimum:,10:07:02  
,Date of Minimum:,02/10/2015  
,Maximum:,0.383  
,Time of Maximum:,10:00:02  
,Date of Maximum:,02/10/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/10/2015,09:59:02,0.200  
02/10/2015,10:00:02,0.383  
02/10/2015,10:01:02,0.198  
02/10/2015,10:02:02,0.062  
02/10/2015,10:03:02,0.064  
02/10/2015,10:04:02,0.083  
02/10/2015,10:05:02,0.086  
02/10/2015,10:06:02,0.061  
02/10/2015,10:07:02,0.047  
02/10/2015,10:08:02,0.047  
02/10/2015,10:09:02,0.113  
02/10/2015,10:10:02,0.078  
02/10/2015,10:11:02,0.064  
02/10/2015,10:12:02,0.063  
02/10/2015,10:13:02,0.062

2-10-15 Downwind-1 VOC.txt

15/02/10 08:06

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-909185  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 2/10/2015 08:06:58  
 End 2/10/2015 16:05:08  
 Sample Period(s) 900  
 Number of Records 31  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 50.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 4.348  
 Measurement Gas Isobutylene  
 Calibration Time 2/10/2015 07:39  
 Peak 0.581  
 Min 0.266  
 Average 0.489  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	2/10/2015 08:21:58	0.268	0.293	0.279	0.279
002	2/10/2015 08:36:58	0.269	0.281	0.266	0.266
003	2/10/2015 08:51:58	0.288	0.309	0.307	0.307
004	2/10/2015 09:06:58	0.324	0.342	0.341	0.341
005	2/10/2015 09:21:58	0.356	0.371	0.371	0.371
006	2/10/2015 09:36:58	0.379	0.392	0.392	0.392
007	2/10/2015 09:51:58	0.402	0.414	0.411	0.411
008	2/10/2015 10:06:58	0.429	0.461	0.441	0.441
009	2/10/2015 10:21:58	0.450	0.487	0.477	0.477
010	2/10/2015 10:36:58	0.466	0.517	0.469	0.469
011	2/10/2015 10:51:58	0.475	0.483	0.481	0.481
012	2/10/2015 11:06:58	0.488	0.494	0.494	0.494
013	2/10/2015 11:21:58	0.499	0.504	0.501	0.501
014	2/10/2015 11:36:58	0.506	0.511	0.510	0.510
015	2/10/2015 11:51:58	0.511	0.515	0.514	0.514
016	2/10/2015 12:06:58	0.518	0.524	0.523	0.523
017	2/10/2015 12:21:58	0.524	0.529	0.527	0.527
018	2/10/2015 12:36:58	0.529	0.535	0.534	0.534
019	2/10/2015 12:51:58	0.537	0.542	0.541	0.541
020	2/10/2015 13:06:58	0.542	0.558	0.544	0.544
021	2/10/2015 13:21:58	0.544	0.556	0.550	0.550

2-10-15 Downwind-1 VOC.txt

022	2/10/2015	13:36:58	0.548	0.570	0.552
023	2/10/2015	13:51:58	0.554	0.558	0.556
024	2/10/2015	14:06:58	0.558	0.570	0.560
025	2/10/2015	14:21:58	0.563	0.567	0.565
026	2/10/2015	14:36:58	0.565	0.568	0.568
027	2/10/2015	14:51:58	0.568	0.573	0.568
028	2/10/2015	15:06:58	0.572	0.596	0.571
029	2/10/2015	15:21:58	0.574	0.588	0.579
030	2/10/2015	15:36:58	0.578	0.585	0.579
031	2/10/2015	15:51:58	0.580	0.583	0.581
Peak		0.580	0.596	0.581	
Min		0.268	0.281	0.266	
Average		0.483	0.496	0.489	

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	2/10/2015 08:21:58	0.009	0.279
002	2/10/2015 08:36:58	0.017	0.266
003	2/10/2015 08:51:58	0.027	0.307
004	2/10/2015 09:06:58	0.037	0.341
005	2/10/2015 09:21:58	0.049	0.371
006	2/10/2015 09:36:58	0.061	0.392
007	2/10/2015 09:51:58	0.074	0.411
008	2/10/2015 10:06:58	0.088	0.441
009	2/10/2015 10:21:58	0.103	0.477
010	2/10/2015 10:36:58	0.117	0.469
011	2/10/2015 10:51:58	0.132	0.481
012	2/10/2015 11:06:58	0.148	0.494
013	2/10/2015 11:21:58	0.163	0.501
014	2/10/2015 11:36:58	0.179	0.510
015	2/10/2015 11:51:58	0.195	0.514
016	2/10/2015 12:06:58	0.212	0.523
017	2/10/2015 12:21:58	0.228	0.527
018	2/10/2015 12:36:58	0.245	0.534
019	2/10/2015 12:51:58	0.262	0.541
020	2/10/2015 13:06:58	0.279	0.544
021	2/10/2015 13:21:58	0.296	0.550
022	2/10/2015 13:36:58	0.313	0.552
023	2/10/2015 13:51:58	0.331	0.556
024	2/10/2015 14:06:58	0.348	0.560
025	2/10/2015 14:21:58	0.366	0.565
026	2/10/2015 14:36:58	0.384	0.568
027	2/10/2015 14:51:58	0.401	0.568
028	2/10/2015 15:06:58	0.419	0.571
029	2/10/2015 15:21:58	0.437	0.579
030	2/10/2015 15:36:58	0.455	0.579
031	2/10/2015 15:51:58	0.473	0.581

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,02/10/2015  
Start Time:,08:03:14  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.034  
,Minimum:,0.027  
,Time of Minimum:,12:33:14  
,Date of Minimum:,02/10/2015  
,Maximum:,0.057  
,Time of Maximum:,10:03:14  
,Date of Maximum:,02/10/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
02/10/2015,08:18:14,0.034  
02/10/2015,08:33:14,0.035  
02/10/2015,08:48:14,0.038  
02/10/2015,09:03:14,0.040  
02/10/2015,09:18:14,0.045  
02/10/2015,09:33:14,0.038  
02/10/2015,09:48:14,0.040  
02/10/2015,10:03:14,0.057  
02/10/2015,10:18:14,0.042  
02/10/2015,10:33:14,0.038  
02/10/2015,10:48:14,0.043  
02/10/2015,11:03:14,0.032  
02/10/2015,11:18:14,0.031  
02/10/2015,11:33:14,0.028  
02/10/2015,11:48:14,0.030  
02/10/2015,12:03:14,0.029  
02/10/2015,12:18:14,0.029  
02/10/2015,12:33:14,0.027  
02/10/2015,12:48:14,0.032  
02/10/2015,13:03:14,0.029  
02/10/2015,13:18:14,0.028  
02/10/2015,13:33:14,0.029  
02/10/2015,13:48:14,0.030  
02/10/2015,14:03:14,0.029  
02/10/2015,14:18:14,0.028  
02/10/2015,14:33:14,0.029  
02/10/2015,14:48:14,0.029  
02/10/2015,15:03:14,0.030  
02/10/2015,15:18:14,0.033  
02/10/2015,15:33:14,0.034  
02/10/2015,15:48:14,0.031

Model:,DustTrak II  
Model Number:,8530

Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_A  
Start Date:,02/10/2015  
Start Time:,08:03:18  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.034  
,Minimum:,0.028  
,Time of Minimum:,08:06:18  
,Date of Minimum:,02/10/2015  
,Maximum:,0.102  
,Time of Maximum:,08:04:18  
,Date of Maximum:,02/10/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/10/2015,08:04:18,0.102  
02/10/2015,08:05:18,0.029  
02/10/2015,08:06:18,0.028  
02/10/2015,08:07:18,0.028  
02/10/2015,08:08:18,0.028  
02/10/2015,08:09:18,0.029  
02/10/2015,08:10:18,0.028  
02/10/2015,08:11:18,0.029  
02/10/2015,08:12:18,0.030  
02/10/2015,08:13:18,0.030  
02/10/2015,08:14:18,0.030  
02/10/2015,08:15:18,0.030  
02/10/2015,08:16:18,0.031  
02/10/2015,08:17:18,0.031  
02/10/2015,08:18:18,0.031

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_B  
Start Date:,02/10/2015  
Start Time:,09:41:47  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.045  
,Minimum:,0.039  
,Time of Minimum:,09:45:47  
,Date of Minimum:,02/10/2015  
,Maximum:,0.061  
,Time of Maximum:,09:42:47  
,Date of Maximum:,02/10/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
02/10/2015,09:42:47,0.061  
02/10/2015,09:43:47,0.040  
02/10/2015,09:44:47,0.040  
02/10/2015,09:45:47,0.039  
02/10/2015,09:46:47,0.039  
02/10/2015,09:47:47,0.039  
02/10/2015,09:48:47,0.039  
02/10/2015,09:49:47,0.039  
02/10/2015,09:50:47,0.039  
02/10/2015,09:51:47,0.040  
02/10/2015,09:52:47,0.044  
02/10/2015,09:53:47,0.053  
02/10/2015,09:54:47,0.043  
02/10/2015,09:55:47,0.059  
02/10/2015,09:56:47,0.055

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_C  
Start Date:,02/10/2015  
Start Time:,09:57:19  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.055  
,Minimum:,0.037  
,Time of Minimum:,10:04:19  
,Date of Minimum:,02/10/2015  
,Maximum:,0.125  
,Time of Maximum:,09:58:19  
,Date of Maximum:,02/10/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
02/10/2015,09:58:19,0.125  
02/10/2015,09:59:19,0.089  
02/10/2015,10:00:19,0.070  
02/10/2015,10:01:19,0.053  
02/10/2015,10:02:19,0.055  
02/10/2015,10:03:19,0.041  
02/10/2015,10:04:19,0.037  
02/10/2015,10:05:19,0.037  
02/10/2015,10:06:19,0.038  
02/10/2015,10:07:19,0.038  
02/10/2015,10:08:19,0.050  
02/10/2015,10:09:19,0.046  
02/10/2015,10:10:19,0.058  
02/10/2015,10:11:19,0.047  
02/10/2015,10:12:19,0.040

2-10-15 Downwind-2 Dust.txt

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_D  
Start Date:,02/10/2015  
Start Time:,11:45:40  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.029  
,Minimum:,0.025  
,Time of Minimum:,11:51:40  
,Date of Minimum:,02/10/2015  
,Maximum:,0.033  
,Time of Maximum:,11:46:40  
,Date of Maximum:,02/10/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/10/2015,11:46:40,0.033  
02/10/2015,11:47:40,0.029  
02/10/2015,11:48:40,0.027  
02/10/2015,11:49:40,0.029  
02/10/2015,11:50:40,0.027  
02/10/2015,11:51:40,0.025  
02/10/2015,11:52:40,0.029  
02/10/2015,11:53:40,0.026  
02/10/2015,11:54:40,0.026  
02/10/2015,11:55:40,0.027  
02/10/2015,11:56:40,0.030  
02/10/2015,11:57:40,0.029  
02/10/2015,11:58:40,0.031  
02/10/2015,11:59:40,0.030  
02/10/2015,12:00:40,0.030

2-10-15 Downwind-2 VOC.txt

15/02/10 08:23

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-913116  
 Unit Firmware Ver V1.20A  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 2/10/2015 08:23:49  
 End 2/10/2015 16:17:28  
 Sample Period(s) 900  
 Number of Records 31  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 15.000  
 TWA Alarm 5.000  
 Measurement Gas Isobutylene  
 Calibration Time 2/10/2015 07:56  
 Peak 0.198  
 Min 0.066  
 Average 0.173  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	2/10/2015 08:38:49	0.067	0.155	0.066	0.066
002	2/10/2015 08:53:49	0.072	0.083	0.082	0.082
003	2/10/2015 09:08:49	0.099	0.135	0.115	0.115
004	2/10/2015 09:23:49	0.126	0.147	0.132	0.132
005	2/10/2015 09:38:49	0.147	0.165	0.158	0.158
006	2/10/2015 09:53:49	0.161	0.176	0.159	0.159
007	2/10/2015 10:08:49	0.173	0.193	0.178	0.178
008	2/10/2015 10:23:49	0.187	0.279	0.176	0.176
009	2/10/2015 10:38:49	0.185	0.216	0.188	0.188
010	2/10/2015 10:53:49	0.182	0.204	0.188	0.188
011	2/10/2015 11:08:49	0.184	0.204	0.187	0.187
012	2/10/2015 11:23:49	0.184	0.211	0.188	0.188
013	2/10/2015 11:38:49	0.186	0.213	0.180	0.180
014	2/10/2015 11:53:49	0.184	0.208	0.187	0.187
015	2/10/2015 12:08:49	0.187	0.256	0.173	0.173
016	2/10/2015 12:23:49	0.185	0.213	0.183	0.183
017	2/10/2015 12:38:49	0.187	0.218	0.192	0.192
018	2/10/2015 12:53:49	0.187	0.221	0.188	0.188
019	2/10/2015 13:08:49	0.189	0.217	0.191	0.191
020	2/10/2015 13:23:49	0.190	0.231	0.187	0.187
021	2/10/2015 13:38:49	0.189	0.215	0.188	0.188



2-10-15 Downwind-2 VOC.txt

022	2/10/2015	13:53:49	0.192	0.247	0.186
023	2/10/2015	14:08:49	0.194	0.243	0.190
024	2/10/2015	14:23:49	0.190	0.221	0.198
025	2/10/2015	14:38:49	0.187	0.224	0.190
026	2/10/2015	14:53:49	0.185	0.210	0.188
027	2/10/2015	15:08:49	0.184	0.208	0.184
028	2/10/2015	15:23:49	0.185	0.211	0.185
029	2/10/2015	15:38:49	0.189	0.268	0.186
030	2/10/2015	15:53:49	0.191	0.246	0.186
031	2/10/2015	16:08:49	0.186	0.214	0.187
Peak		0.194	0.279	0.198	
Min		0.067	0.083	0.066	
Average		0.172	0.208	0.173	

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	2/10/2015 08:38:49	0.002	0.066
002	2/10/2015 08:53:49	0.005	0.082
003	2/10/2015 09:08:49	0.008	0.115
004	2/10/2015 09:23:49	0.012	0.132
005	2/10/2015 09:38:49	0.017	0.158
006	2/10/2015 09:53:49	0.022	0.159
007	2/10/2015 10:08:49	0.028	0.178
008	2/10/2015 10:23:49	0.033	0.176
009	2/10/2015 10:38:49	0.039	0.188
010	2/10/2015 10:53:49	0.045	0.188
011	2/10/2015 11:08:49	0.051	0.187
012	2/10/2015 11:23:49	0.057	0.188
013	2/10/2015 11:38:49	0.062	0.180
014	2/10/2015 11:53:49	0.068	0.187
015	2/10/2015 12:08:49	0.074	0.173
016	2/10/2015 12:23:49	0.079	0.183
017	2/10/2015 12:38:49	0.085	0.192
018	2/10/2015 12:53:49	0.091	0.188
019	2/10/2015 13:08:49	0.097	0.191
020	2/10/2015 13:23:49	0.103	0.187
021	2/10/2015 13:38:49	0.109	0.188
022	2/10/2015 13:53:49	0.115	0.186
023	2/10/2015 14:08:49	0.121	0.190
024	2/10/2015 14:23:49	0.127	0.198
025	2/10/2015 14:38:49	0.133	0.190
026	2/10/2015 14:53:49	0.139	0.188
027	2/10/2015 15:08:49	0.144	0.184
028	2/10/2015 15:23:49	0.150	0.185
029	2/10/2015 15:38:49	0.156	0.186
030	2/10/2015 15:53:49	0.162	0.186
031	2/10/2015 16:08:49	0.168	0.187

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,02/10/2015  
Start Time:,08:10:41  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.037  
,Minimum:,0.025  
,Time of Minimum:,11:40:41  
,Date of Minimum:,02/10/2015  
,Maximum:,0.131  
,Time of Maximum:,10:10:41  
,Date of Maximum:,02/10/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/10/2015,08:25:41,0.039  
02/10/2015,08:40:41,0.044  
02/10/2015,08:55:41,0.043  
02/10/2015,09:10:41,0.056  
02/10/2015,09:25:41,0.041  
02/10/2015,09:40:41,0.040  
02/10/2015,09:55:41,0.075  
02/10/2015,10:10:41,0.131  
02/10/2015,10:25:41,0.042  
02/10/2015,10:40:41,0.040  
02/10/2015,10:55:41,0.037  
02/10/2015,11:10:41,0.027  
02/10/2015,11:25:41,0.026  
02/10/2015,11:40:41,0.025  
02/10/2015,11:55:41,0.025  
02/10/2015,12:10:41,0.027  
02/10/2015,12:25:41,0.026  
02/10/2015,12:40:41,0.034  
02/10/2015,12:55:41,0.026  
02/10/2015,13:10:41,0.027  
02/10/2015,13:25:41,0.027  
02/10/2015,13:40:41,0.026  
02/10/2015,13:55:41,0.025  
02/10/2015,14:10:41,0.025  
02/10/2015,14:25:41,0.026  
02/10/2015,14:40:41,0.028  
02/10/2015,14:55:41,0.029  
02/10/2015,15:10:41,0.030  
02/10/2015,15:25:41,0.034  
02/10/2015,15:40:41,0.037  
02/10/2015,15:55:41,0.031

Model:,DustTrak II  
Model Number:,8530

2-10-15 Upwind Dust.txt

Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_A  
Start Date:,02/10/2015  
Start Time:,08:10:42  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.039  
,Minimum:,0.031  
,Time of Minimum:,08:12:42  
,Date of Minimum:,02/10/2015  
,Maximum:,0.053  
,Time of Maximum:,08:15:42  
,Date of Maximum:,02/10/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/10/2015,08:11:42,0.035  
02/10/2015,08:12:42,0.031  
02/10/2015,08:13:42,0.033  
02/10/2015,08:14:42,0.036  
02/10/2015,08:15:42,0.053  
02/10/2015,08:16:42,0.048  
02/10/2015,08:17:42,0.036  
02/10/2015,08:18:42,0.036  
02/10/2015,08:19:42,0.041  
02/10/2015,08:20:42,0.040  
02/10/2015,08:21:42,0.037  
02/10/2015,08:22:42,0.043  
02/10/2015,08:23:42,0.042  
02/10/2015,08:24:42,0.039  
02/10/2015,08:25:42,0.040

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_B  
Start Date:,02/10/2015  
Start Time:,09:53:18  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.160  
,Minimum:,0.046  
,Time of Minimum:,10:08:18  
,Date of Minimum:,02/10/2015  
,Maximum:,0.387  
,Time of Maximum:,09:56:18  
,Date of Maximum:,02/10/2015

2-10-15 Upwind Dust.txt

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/10/2015,09:54:18,0.243  
02/10/2015,09:55:18,0.142  
02/10/2015,09:56:18,0.387  
02/10/2015,09:57:18,0.193  
02/10/2015,09:58:18,0.139  
02/10/2015,09:59:18,0.130  
02/10/2015,10:00:18,0.196  
02/10/2015,10:01:18,0.137  
02/10/2015,10:02:18,0.197  
02/10/2015,10:03:18,0.180  
02/10/2015,10:04:18,0.115  
02/10/2015,10:05:18,0.124  
02/10/2015,10:06:18,0.112  
02/10/2015,10:07:18,0.053  
02/10/2015,10:08:18,0.046

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,02/11/2015  
Start Time:,07:59:39  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.052  
,Minimum:,0.042  
,Time of Minimum:,12:59:39  
,Date of Minimum:,02/11/2015  
,Maximum:,0.088  
,Time of Maximum:,08:14:39  
,Date of Maximum:,02/11/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
02/11/2015,08:14:39,0.088  
02/11/2015,08:29:39,0.059  
02/11/2015,08:44:39,0.055  
02/11/2015,08:59:39,0.051  
02/11/2015,09:14:39,0.053  
02/11/2015,09:29:39,0.054  
02/11/2015,09:44:39,0.054  
02/11/2015,09:59:39,0.055  
02/11/2015,10:14:39,0.055  
02/11/2015,10:29:39,0.057  
02/11/2015,10:44:39,0.058  
02/11/2015,10:59:39,0.059  
02/11/2015,11:14:39,0.059  
02/11/2015,11:29:39,0.052  
02/11/2015,11:44:39,0.053  
02/11/2015,11:59:39,0.055  
02/11/2015,12:14:39,0.059  
02/11/2015,12:29:39,0.047  
02/11/2015,12:44:39,0.046  
02/11/2015,12:59:39,0.042  
02/11/2015,13:14:39,0.042  
02/11/2015,13:29:39,0.042  
02/11/2015,13:44:39,0.042  
02/11/2015,13:59:39,0.044  
02/11/2015,14:14:39,0.043  
02/11/2015,14:29:39,0.043  
02/11/2015,14:44:39,0.043  
02/11/2015,14:59:39,0.046  
02/11/2015,15:14:39,0.048  
02/11/2015,15:29:39,0.048  
02/11/2015,15:44:39,0.054

2-11-15 Downwind-1 VOC.txt

15/02/11 08:03

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-909185  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 2/11/2015 08:03:11  
 End 2/11/2015 15:53:28  
 Sample Period(s) 900  
 Number of Records 31  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 50.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 4.348  
 Measurement Gas Isobutylene  
 Calibration Time 2/11/2015 07:42  
 Peak 0.830  
 Min 0.247  
 Average 0.572  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	2/11/2015 08:18:11	0.230	0.249	0.247	0.247
002	2/11/2015 08:33:11	0.244	0.262	0.261	0.261
003	2/11/2015 08:48:11	0.276	0.295	0.293	0.293
004	2/11/2015 09:03:11	0.310	0.331	0.331	0.331
005	2/11/2015 09:18:11	0.361	0.396	0.396	0.396
006	2/11/2015 09:33:11	0.417	0.428	0.420	0.420
007	2/11/2015 09:48:11	0.437	0.454	0.452	0.452
008	2/11/2015 10:03:11	0.460	0.489	0.487	0.487
009	2/11/2015 10:18:11	0.482	0.497	0.493	0.493
010	2/11/2015 10:33:11	0.496	0.512	0.505	0.505
011	2/11/2015 10:48:11	0.506	0.517	0.506	0.506
012	2/11/2015 11:03:11	0.512	0.525	0.521	0.521
013	2/11/2015 11:18:11	0.522	0.558	0.524	0.524
014	2/11/2015 11:33:11	0.534	0.568	0.537	0.537
015	2/11/2015 11:48:11	0.544	0.569	0.551	0.551
016	2/11/2015 12:03:11	0.562	0.582	0.578	0.578
017	2/11/2015 12:18:11	0.597	0.629	0.612	0.612
018	2/11/2015 12:33:11	0.627	0.649	0.628	0.628
019	2/11/2015 12:48:11	0.648	0.688	0.661	0.661
020	2/11/2015 13:03:11	0.659	0.769	0.646	0.646
021	2/11/2015 13:18:11	0.650	0.676	0.675	0.675

2-11-15 Downwind-1 VOC.txt

022	2/11/2015	13:33:11	0.670	0.748	0.665
023	2/11/2015	13:48:11	0.679	0.719	0.690
024	2/11/2015	14:03:11	0.692	0.743	0.685
025	2/11/2015	14:18:11	0.703	0.743	0.716
026	2/11/2015	14:33:11	0.719	0.806	0.712
027	2/11/2015	14:48:11	0.727	0.752	0.742
028	2/11/2015	15:03:11	0.751	0.770	0.767
029	2/11/2015	15:18:11	0.776	0.797	0.791
030	2/11/2015	15:33:11	0.809	0.858	0.808
031	2/11/2015	15:48:11	0.826	0.847	0.830
Peak			0.826	0.858	0.830
Min			0.230	0.249	0.247
Average			0.562	0.594	0.572

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	2/11/2015 08:18:11	0.008	0.247
002	2/11/2015 08:33:11	0.016	0.261
003	2/11/2015 08:48:11	0.025	0.293
004	2/11/2015 09:03:11	0.035	0.331
005	2/11/2015 09:18:11	0.048	0.396
006	2/11/2015 09:33:11	0.061	0.420
007	2/11/2015 09:48:11	0.075	0.452
008	2/11/2015 10:03:11	0.090	0.487
009	2/11/2015 10:18:11	0.106	0.493
010	2/11/2015 10:33:11	0.121	0.505
011	2/11/2015 10:48:11	0.137	0.506
012	2/11/2015 11:03:11	0.154	0.521
013	2/11/2015 11:18:11	0.170	0.524
014	2/11/2015 11:33:11	0.187	0.537
015	2/11/2015 11:48:11	0.204	0.551
016	2/11/2015 12:03:11	0.222	0.578
017	2/11/2015 12:18:11	0.241	0.612
018	2/11/2015 12:33:11	0.261	0.628
019	2/11/2015 12:48:11	0.281	0.661
020	2/11/2015 13:03:11	0.302	0.646
021	2/11/2015 13:18:11	0.323	0.675
022	2/11/2015 13:33:11	0.343	0.665
023	2/11/2015 13:48:11	0.365	0.690
024	2/11/2015 14:03:11	0.386	0.685
025	2/11/2015 14:18:11	0.409	0.716
026	2/11/2015 14:33:11	0.431	0.712
027	2/11/2015 14:48:11	0.454	0.742
028	2/11/2015 15:03:11	0.478	0.767
029	2/11/2015 15:18:11	0.503	0.791
030	2/11/2015 15:33:11	0.528	0.808
031	2/11/2015 15:48:11	0.554	0.830

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,02/11/2015  
Start Time:,07:53:22  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.045  
,Minimum:,0.034  
,Time of Minimum:,13:08:22  
,Date of Minimum:,02/11/2015  
,Maximum:,0.060  
,Time of Maximum:,08:08:22  
,Date of Maximum:,02/11/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/11/2015,08:08:22,0.060  
02/11/2015,08:23:22,0.053  
02/11/2015,08:38:22,0.050  
02/11/2015,08:53:22,0.047  
02/11/2015,09:08:22,0.046  
02/11/2015,09:23:22,0.047  
02/11/2015,09:38:22,0.046  
02/11/2015,09:53:22,0.046  
02/11/2015,10:08:22,0.047  
02/11/2015,10:23:22,0.046  
02/11/2015,10:38:22,0.049  
02/11/2015,10:53:22,0.049  
02/11/2015,11:08:22,0.049  
02/11/2015,11:23:22,0.043  
02/11/2015,11:38:22,0.039  
02/11/2015,11:53:22,0.049  
02/11/2015,12:08:22,0.049  
02/11/2015,12:23:22,0.048  
02/11/2015,12:38:22,0.037  
02/11/2015,12:53:22,0.037  
02/11/2015,13:08:22,0.034  
02/11/2015,13:23:22,0.037  
02/11/2015,13:38:22,0.036  
02/11/2015,13:53:22,0.038  
02/11/2015,14:08:22,0.038  
02/11/2015,14:23:22,0.040  
02/11/2015,14:38:22,0.043  
02/11/2015,14:53:22,0.046  
02/11/2015,15:08:22,0.047  
02/11/2015,15:23:22,0.045  
02/11/2015,15:38:22,0.047

Model:,DustTrak II  
Model Number:,8530



Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_A  
Start Date:,02/11/2015  
Start Time:,07:53:23  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.060  
,Minimum:,0.047  
,Time of Minimum:,07:57:23  
,Date of Minimum:,02/11/2015  
,Maximum:,0.128  
,Time of Maximum:,07:54:23  
,Date of Maximum:,02/11/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/11/2015,07:54:23,0.128  
02/11/2015,07:55:23,0.075  
02/11/2015,07:56:23,0.058  
02/11/2015,07:57:23,0.047  
02/11/2015,07:58:23,0.047  
02/11/2015,07:59:23,0.048  
02/11/2015,08:00:23,0.056  
02/11/2015,08:01:23,0.066  
02/11/2015,08:02:23,0.057  
02/11/2015,08:03:23,0.054  
02/11/2015,08:04:23,0.053  
02/11/2015,08:05:23,0.054  
02/11/2015,08:06:23,0.055  
02/11/2015,08:07:23,0.054  
02/11/2015,08:08:23,0.051

2-11-15 Downwind-2 VOC.txt

15/02/11 08:14

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-913116  
 Unit Firmware Ver V1.20A  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 2/11/2015 08:14:15  
 End 2/11/2015 16:10:00  
 Sample Period(s) 900  
 Number of Records 31  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 15.000  
 TWA Alarm 5.000  
 Measurement Gas Isobutylene  
 Calibration Time 2/11/2015 07:58  
 Peak 0.189  
 Min 0.001  
 Average 0.133  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	2/11/2015 08:29:15	0.013	0.108	0.001	0.001
002	2/11/2015 08:44:15	0.007	0.018	0.018	0.018
003	2/11/2015 08:59:15	0.029	0.045	0.045	0.045
004	2/11/2015 09:14:15	0.058	0.080	0.076	0.076
005	2/11/2015 09:29:15	0.084	0.111	0.092	0.092
006	2/11/2015 09:44:15	0.116	0.137	0.114	0.114
007	2/11/2015 09:59:15	0.120	0.136	0.118	0.118
008	2/11/2015 10:14:15	0.124	0.170	0.128	0.128
009	2/11/2015 10:29:15	0.130	0.153	0.130	0.130
010	2/11/2015 10:44:15	0.131	0.157	0.131	0.131
011	2/11/2015 10:59:15	0.135	0.171	0.137	0.137
012	2/11/2015 11:14:15	0.138	0.173	0.127	0.127
013	2/11/2015 11:29:15	0.139	0.174	0.136	0.136
014	2/11/2015 11:44:15	0.138	0.164	0.126	0.126
015	2/11/2015 11:59:15	0.136	0.169	0.134	0.134
016	2/11/2015 12:14:15	0.127	0.165	0.132	0.132
017	2/11/2015 12:29:15	0.131	0.163	0.137	0.137
018	2/11/2015 12:44:15	0.143	0.174	0.141	0.141
019	2/11/2015 12:59:15	0.147	0.177	0.143	0.143
020	2/11/2015 13:14:15	0.155	0.202	0.153	0.153
021	2/11/2015 13:29:15	0.147	0.166	0.157	0.157

2-11-15 Downwind-2 VOC.txt

022	2/11/2015	13:44:15	0.153	0.186	0.159
023	2/11/2015	13:59:15	0.154	0.186	0.152
024	2/11/2015	14:14:15	0.159	0.184	0.178
025	2/11/2015	14:29:15	0.164	0.205	0.166
026	2/11/2015	14:44:15	0.168	0.202	0.165
027	2/11/2015	14:59:15	0.171	0.202	0.172
028	2/11/2015	15:14:15	0.176	0.203	0.183
029	2/11/2015	15:29:15	0.182	0.227	0.185
030	2/11/2015	15:44:15	0.203	0.461	0.187
031	2/11/2015	15:59:15	0.188	0.232	0.189
Peak		0.203	0.461	0.189	
Min		0.007	0.018	0.001	
Average		0.131	0.171	0.133	

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	2/11/2015 08:29:15	0.000	0.001
002	2/11/2015 08:44:15	0.001	0.018
003	2/11/2015 08:59:15	0.002	0.045
004	2/11/2015 09:14:15	0.004	0.076
005	2/11/2015 09:29:15	0.007	0.092
006	2/11/2015 09:44:15	0.011	0.114
007	2/11/2015 09:59:15	0.014	0.118
008	2/11/2015 10:14:15	0.018	0.128
009	2/11/2015 10:29:15	0.023	0.130
010	2/11/2015 10:44:15	0.027	0.131
011	2/11/2015 10:59:15	0.031	0.137
012	2/11/2015 11:14:15	0.035	0.127
013	2/11/2015 11:29:15	0.039	0.136
014	2/11/2015 11:44:15	0.043	0.126
015	2/11/2015 11:59:15	0.047	0.134
016	2/11/2015 12:14:15	0.051	0.132
017	2/11/2015 12:29:15	0.056	0.137
018	2/11/2015 12:44:15	0.060	0.141
019	2/11/2015 12:59:15	0.065	0.143
020	2/11/2015 13:14:15	0.069	0.153
021	2/11/2015 13:29:15	0.074	0.157
022	2/11/2015 13:44:15	0.079	0.159
023	2/11/2015 13:59:15	0.084	0.152
024	2/11/2015 14:14:15	0.090	0.178
025	2/11/2015 14:29:15	0.095	0.166
026	2/11/2015 14:44:15	0.100	0.165
027	2/11/2015 14:59:15	0.105	0.172
028	2/11/2015 15:14:15	0.111	0.183
029	2/11/2015 15:29:15	0.117	0.185
030	2/11/2015 15:44:15	0.123	0.187
031	2/11/2015 15:59:15	0.128	0.189

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,02/11/2015  
Start Time:,08:03:49  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.044  
,Minimum:,0.031  
,Time of Minimum:,12:48:49  
,Date of Minimum:,02/11/2015  
,Maximum:,0.092  
,Time of Maximum:,15:48:49  
,Date of Maximum:,02/11/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
02/11/2015,08:18:49,0.060  
02/11/2015,08:33:49,0.053  
02/11/2015,08:48:49,0.048  
02/11/2015,09:03:49,0.046  
02/11/2015,09:18:49,0.048  
02/11/2015,09:33:49,0.047  
02/11/2015,09:48:49,0.048  
02/11/2015,10:03:49,0.048  
02/11/2015,10:18:49,0.048  
02/11/2015,10:33:49,0.049  
02/11/2015,10:48:49,0.050  
02/11/2015,11:03:49,0.049  
02/11/2015,11:18:49,0.046  
02/11/2015,11:33:49,0.036  
02/11/2015,11:48:49,0.042  
02/11/2015,12:03:49,0.044  
02/11/2015,12:18:49,0.048  
02/11/2015,12:33:49,0.033  
02/11/2015,12:48:49,0.031  
02/11/2015,13:03:49,0.031  
02/11/2015,13:18:49,0.031  
02/11/2015,13:33:49,0.032  
02/11/2015,13:48:49,0.033  
02/11/2015,14:03:49,0.034  
02/11/2015,14:18:49,0.034  
02/11/2015,14:33:49,0.036  
02/11/2015,14:48:49,0.041  
02/11/2015,15:03:49,0.041  
02/11/2015,15:18:49,0.041  
02/11/2015,15:33:49,0.050  
02/11/2015,15:48:49,0.092

Model:,DustTrak II  
Model Number:,8530

2-11-15 Upwind Dust.txt

Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_A  
Start Date:,02/11/2015  
Start Time:,15:31:56  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.098  
,Minimum:,0.046  
,Time of Minimum:,15:45:56  
,Date of Minimum:,02/11/2015  
,Maximum:,0.158  
,Time of Maximum:,15:35:56  
,Date of Maximum:,02/11/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
02/11/2015,15:32:56,0.082  
02/11/2015,15:33:56,0.105  
02/11/2015,15:34:56,0.100  
02/11/2015,15:35:56,0.158  
02/11/2015,15:36:56,0.103  
02/11/2015,15:37:56,0.111  
02/11/2015,15:38:56,0.077  
02/11/2015,15:39:56,0.138  
02/11/2015,15:40:56,0.096  
02/11/2015,15:41:56,0.144  
02/11/2015,15:42:56,0.144  
02/11/2015,15:43:56,0.063  
02/11/2015,15:44:56,0.047  
02/11/2015,15:45:56,0.046  
02/11/2015,15:46:56,0.047

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,02/12/2015  
Start Time:,08:01:31  
Duration (dd:hh:mm:ss):,0:07:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,28  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.027  
,Minimum:,0.014  
,Time of Minimum:,08:46:31  
,Date of Minimum:,02/12/2015  
,Maximum:,0.035  
,Time of Maximum:,12:01:31  
,Date of Maximum:,02/12/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
02/12/2015,08:16:31,0.018  
02/12/2015,08:31:31,0.018  
02/12/2015,08:46:31,0.014  
02/12/2015,09:01:31,0.016  
02/12/2015,09:16:31,0.017  
02/12/2015,09:31:31,0.019  
02/12/2015,09:46:31,0.021  
02/12/2015,10:01:31,0.025  
02/12/2015,10:16:31,0.025  
02/12/2015,10:31:31,0.030  
02/12/2015,10:46:31,0.028  
02/12/2015,11:01:31,0.031  
02/12/2015,11:16:31,0.033  
02/12/2015,11:31:31,0.034  
02/12/2015,11:46:31,0.032  
02/12/2015,12:01:31,0.035  
02/12/2015,12:16:31,0.033  
02/12/2015,12:31:31,0.031  
02/12/2015,12:46:31,0.028  
02/12/2015,13:01:31,0.029  
02/12/2015,13:16:31,0.029  
02/12/2015,13:31:31,0.030  
02/12/2015,13:46:31,0.031  
02/12/2015,14:01:31,0.029  
02/12/2015,14:16:31,0.029  
02/12/2015,14:31:31,0.028  
02/12/2015,14:46:31,0.031  
02/12/2015,15:01:31,0.028

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_A

Start Date:,02/12/2015  
Start Time:,10:15:50  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m^3  
,Average:,0.031  
,Minimum:,0.026  
,Time of Minimum:,10:24:50  
,Date of Minimum:,02/12/2015  
,Maximum:,0.044  
,Time of Maximum:,10:19:50  
,Date of Maximum:,02/12/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m^3  
02/12/2015,10:16:50,0.040  
02/12/2015,10:17:50,0.028  
02/12/2015,10:18:50,0.028  
02/12/2015,10:19:50,0.044  
02/12/2015,10:20:50,0.040  
02/12/2015,10:21:50,0.028  
02/12/2015,10:22:50,0.027  
02/12/2015,10:23:50,0.034  
02/12/2015,10:24:50,0.026  
02/12/2015,10:25:50,0.029  
02/12/2015,10:26:50,0.027  
02/12/2015,10:27:50,0.029  
02/12/2015,10:28:50,0.028  
02/12/2015,10:29:50,0.027  
02/12/2015,10:30:50,0.028

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_B  
Start Date:,02/12/2015  
Start Time:,10:54:58  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m^3  
,Average:,0.032  
,Minimum:,0.028  
,Time of Minimum:,11:05:58  
,Date of Minimum:,02/12/2015  
,Maximum:,0.044  
,Time of Maximum:,10:55:58  
,Date of Maximum:,02/12/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
02/12/2015,10:55:58,0.044  
02/12/2015,10:56:58,0.030  
02/12/2015,10:57:58,0.029  
02/12/2015,10:58:58,0.029  
02/12/2015,10:59:58,0.029  
02/12/2015,11:00:58,0.033  
02/12/2015,11:01:58,0.033  
02/12/2015,11:02:58,0.032  
02/12/2015,11:03:58,0.031  
02/12/2015,11:04:58,0.032  
02/12/2015,11:05:58,0.028  
02/12/2015,11:06:58,0.030  
02/12/2015,11:07:58,0.032  
02/12/2015,11:08:58,0.032  
02/12/2015,11:09:58,0.032

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_C  
Start Date:,02/12/2015  
Start Time:,11:50:43  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.035  
,Minimum:,0.028  
,Time of Minimum:,11:53:43  
,Date of Minimum:,02/12/2015  
,Maximum:,0.052  
,Time of Maximum:,11:52:43  
,Date of Maximum:,02/12/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
02/12/2015,11:51:43,0.048  
02/12/2015,11:52:43,0.052  
02/12/2015,11:53:43,0.028  
02/12/2015,11:54:43,0.035  
02/12/2015,11:55:43,0.034  
02/12/2015,11:56:43,0.035  
02/12/2015,11:57:43,0.031  
02/12/2015,11:58:43,0.034  
02/12/2015,11:59:43,0.031  
02/12/2015,12:00:43,0.028  
02/12/2015,12:01:43,0.034  
02/12/2015,12:02:43,0.032  
02/12/2015,12:03:43,0.030  
02/12/2015,12:04:43,0.039  
02/12/2015,12:05:43,0.028

Model:,DustTrak II  
Model Number:,8530



Serial Number:,8530141112  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_D  
Start Date:,02/12/2015  
Start Time:,12:15:55  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.033  
,Minimum:,0.026  
,Time of Minimum:,12:22:55  
,Date of Minimum:,02/12/2015  
,Maximum:,0.066  
,Time of Maximum:,12:16:55  
,Date of Maximum:,02/12/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/12/2015,12:16:55,0.066  
02/12/2015,12:17:55,0.032  
02/12/2015,12:18:55,0.029  
02/12/2015,12:19:55,0.028  
02/12/2015,12:20:55,0.033  
02/12/2015,12:21:55,0.031  
02/12/2015,12:22:55,0.026  
02/12/2015,12:23:55,0.038  
02/12/2015,12:24:55,0.036  
02/12/2015,12:25:55,0.027  
02/12/2015,12:26:55,0.029  
02/12/2015,12:27:55,0.029  
02/12/2015,12:28:55,0.027  
02/12/2015,12:29:55,0.038  
02/12/2015,12:30:55,0.033

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_E  
Start Date:,02/12/2015  
Start Time:,12:50:42  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.028  
,Minimum:,0.024  
,Time of Minimum:,13:04:42  
,Date of Minimum:,02/12/2015  
,Maximum:,0.041  
,Time of Maximum:,12:51:42  
,Date of Maximum:,02/12/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
02/12/2015,12:51:42,0.041  
02/12/2015,12:52:42,0.026  
02/12/2015,12:53:42,0.030  
02/12/2015,12:54:42,0.025  
02/12/2015,12:55:42,0.030  
02/12/2015,12:56:42,0.028  
02/12/2015,12:57:42,0.026  
02/12/2015,12:58:42,0.027  
02/12/2015,12:59:42,0.026  
02/12/2015,13:00:42,0.028  
02/12/2015,13:01:42,0.027  
02/12/2015,13:02:42,0.033  
02/12/2015,13:03:42,0.025  
02/12/2015,13:04:42,0.024  
02/12/2015,13:05:42,0.026

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_F  
Start Date:,02/12/2015  
Start Time:,13:36:45  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.031  
,Minimum:,0.026  
,Time of Minimum:,13:44:45  
,Date of Minimum:,02/12/2015  
,Maximum:,0.049  
,Time of Maximum:,13:37:45  
,Date of Maximum:,02/12/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
02/12/2015,13:37:45,0.049  
02/12/2015,13:38:45,0.030  
02/12/2015,13:39:45,0.031  
02/12/2015,13:40:45,0.027  
02/12/2015,13:41:45,0.031  
02/12/2015,13:42:45,0.033  
02/12/2015,13:43:45,0.031  
02/12/2015,13:44:45,0.026  
02/12/2015,13:45:45,0.033  
02/12/2015,13:46:45,0.030  
02/12/2015,13:47:45,0.028  
02/12/2015,13:48:45,0.027  
02/12/2015,13:49:45,0.030  
02/12/2015,13:50:45,0.026  
02/12/2015,13:51:45,0.026

2-12-15 Downwind-1 Dust.txt

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_G  
Start Date:,02/12/2015  
Start Time:,14:35:51  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.031  
,Minimum:,0.025  
,Time of Minimum:,14:46:51  
,Date of Minimum:,02/12/2015  
,Maximum:,0.056  
,Time of Maximum:,14:42:51  
,Date of Maximum:,02/12/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/12/2015,14:36:51,0.032  
02/12/2015,14:37:51,0.029  
02/12/2015,14:38:51,0.033  
02/12/2015,14:39:51,0.026  
02/12/2015,14:40:51,0.028  
02/12/2015,14:41:51,0.039  
02/12/2015,14:42:51,0.056  
02/12/2015,14:43:51,0.029  
02/12/2015,14:44:51,0.029  
02/12/2015,14:45:51,0.027  
02/12/2015,14:46:51,0.025  
02/12/2015,14:47:51,0.025  
02/12/2015,14:48:51,0.027  
02/12/2015,14:49:51,0.027  
02/12/2015,14:50:51,0.034

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,02/12/2015  
Start Time:,08:02:00  
Duration (dd:hh:mm:ss):,0:07:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,28  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.022  
,Minimum:,0.012  
,Time of Minimum:,08:47:00  
,Date of Minimum:,02/12/2015  
,Maximum:,0.038  
,Time of Maximum:,11:47:00  
,Date of Maximum:,02/12/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/12/2015,08:17:00,0.017  
02/12/2015,08:32:00,0.015  
02/12/2015,08:47:00,0.012  
02/12/2015,09:02:00,0.013  
02/12/2015,09:17:00,0.013  
02/12/2015,09:32:00,0.015  
02/12/2015,09:47:00,0.017  
02/12/2015,10:02:00,0.017  
02/12/2015,10:17:00,0.019  
02/12/2015,10:32:00,0.017  
02/12/2015,10:47:00,0.019  
02/12/2015,11:02:00,0.021  
02/12/2015,11:17:00,0.026  
02/12/2015,11:32:00,0.027  
02/12/2015,11:47:00,0.038  
02/12/2015,12:02:00,0.029  
02/12/2015,12:17:00,0.026  
02/12/2015,12:32:00,0.025  
02/12/2015,12:47:00,0.024  
02/12/2015,13:02:00,0.024  
02/12/2015,13:17:00,0.024  
02/12/2015,13:32:00,0.026  
02/12/2015,13:47:00,0.024  
02/12/2015,14:02:00,0.024  
02/12/2015,14:17:00,0.024  
02/12/2015,14:32:00,0.023  
02/12/2015,14:47:00,0.023  
02/12/2015,15:02:00,0.023

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,02/12/2015  
Start Time:,07:53:02  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.016  
,Minimum:,0.012  
,Time of Minimum:,08:08:02  
,Date of Minimum:,02/12/2015  
,Maximum:,0.023  
,Time of Maximum:,11:08:02  
,Date of Maximum:,02/12/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/12/2015,08:08:02,0.012  
02/12/2015,08:23:02,0.016  
02/12/2015,08:38:02,0.012  
02/12/2015,08:53:02,0.012  
02/12/2015,09:08:02,0.012  
02/12/2015,09:23:02,0.012  
02/12/2015,09:38:02,0.013  
02/12/2015,09:53:02,0.013  
02/12/2015,10:08:02,0.014  
02/12/2015,10:23:02,0.017  
02/12/2015,10:38:02,0.013  
02/12/2015,10:53:02,0.017  
02/12/2015,11:08:02,0.023  
02/12/2015,11:23:02,0.021  
02/12/2015,11:38:02,0.017  
02/12/2015,11:53:02,0.018  
02/12/2015,12:08:02,0.016  
02/12/2015,12:23:02,0.017  
02/12/2015,12:38:02,0.017  
02/12/2015,12:53:02,0.016  
02/12/2015,13:08:02,0.019  
02/12/2015,13:23:02,0.018  
02/12/2015,13:38:02,0.017  
02/12/2015,13:53:02,0.017  
02/12/2015,14:08:02,0.018  
02/12/2015,14:23:02,0.017  
02/12/2015,14:38:02,0.016  
02/12/2015,14:53:02,0.016  
02/12/2015,15:08:02,0.017

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,004

Test Abbreviation:,MANUAL\_004\_A  
Start Date:,02/12/2015  
Start Time:,10:19:25  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.014  
,Minimum:,0.012  
,Time of Minimum:,10:21:25  
,Date of Minimum:,02/12/2015  
,Maximum:,0.022  
,Time of Maximum:,10:20:25  
,Date of Maximum:,02/12/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/12/2015,10:20:25,0.022  
02/12/2015,10:21:25,0.012  
02/12/2015,10:22:25,0.014  
02/12/2015,10:23:25,0.014  
02/12/2015,10:24:25,0.012  
02/12/2015,10:25:25,0.012  
02/12/2015,10:26:25,0.013  
02/12/2015,10:27:25,0.018  
02/12/2015,10:28:25,0.013  
02/12/2015,10:29:25,0.012  
02/12/2015,10:30:25,0.013  
02/12/2015,10:31:25,0.012  
02/12/2015,10:32:25,0.013  
02/12/2015,10:33:25,0.013  
02/12/2015,10:34:25,0.012

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_B  
Start Date:,02/12/2015  
Start Time:,11:14:47  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.018  
,Minimum:,0.017  
,Time of Minimum:,11:18:47  
,Date of Minimum:,02/12/2015  
,Maximum:,0.030  
,Time of Maximum:,11:15:47  
,Date of Maximum:,02/12/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

2-12-15 Upwind Dust.txt

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/12/2015,11:15:47,0.030  
02/12/2015,11:16:47,0.021  
02/12/2015,11:17:47,0.018  
02/12/2015,11:18:47,0.017  
02/12/2015,11:19:47,0.017  
02/12/2015,11:20:47,0.017  
02/12/2015,11:21:47,0.017  
02/12/2015,11:22:47,0.017  
02/12/2015,11:23:47,0.017  
02/12/2015,11:24:47,0.017  
02/12/2015,11:25:47,0.017  
02/12/2015,11:26:47,0.017  
02/12/2015,11:27:47,0.017  
02/12/2015,11:28:47,0.017  
02/12/2015,11:29:47,0.017

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_C  
Start Date:,02/12/2015  
Start Time:,13:04:31  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.019  
,Minimum:,0.016  
,Time of Minimum:,13:09:31  
,Date of Minimum:,02/12/2015  
,Maximum:,0.037  
,Time of Maximum:,13:05:31  
,Date of Maximum:,02/12/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/12/2015,13:05:31,0.037  
02/12/2015,13:06:31,0.028  
02/12/2015,13:07:31,0.018  
02/12/2015,13:08:31,0.018  
02/12/2015,13:09:31,0.016  
02/12/2015,13:10:31,0.016  
02/12/2015,13:11:31,0.016  
02/12/2015,13:12:31,0.016  
02/12/2015,13:13:31,0.016  
02/12/2015,13:14:31,0.017  
02/12/2015,13:15:31,0.017  
02/12/2015,13:16:31,0.018  
02/12/2015,13:17:31,0.019  
02/12/2015,13:18:31,0.017  
02/12/2015,13:19:31,0.021

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,005  
Test Abbreviation:,MANUAL\_005  
Start Date:,02/13/2015  
Start Time:,08:57:11  
Duration (dd:hh:mm:ss):,0:05:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,22  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.029  
,Minimum:,0.023  
,Time of Minimum:,09:12:11  
,Date of Minimum:,02/13/2015  
,Maximum:,0.034  
,Time of Maximum:,11:42:11  
,Date of Maximum:,02/13/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/13/2015,09:12:11,0.023  
02/13/2015,09:27:11,0.026  
02/13/2015,09:42:11,0.025  
02/13/2015,09:57:11,0.027  
02/13/2015,10:12:11,0.027  
02/13/2015,10:27:11,0.030  
02/13/2015,10:42:11,0.033  
02/13/2015,10:57:11,0.029  
02/13/2015,11:12:11,0.032  
02/13/2015,11:27:11,0.032  
02/13/2015,11:42:11,0.034  
02/13/2015,11:57:11,0.030  
02/13/2015,12:12:11,0.031  
02/13/2015,12:27:11,0.031  
02/13/2015,12:42:11,0.029  
02/13/2015,12:57:11,0.029  
02/13/2015,13:12:11,0.029  
02/13/2015,13:27:11,0.029  
02/13/2015,13:42:11,0.029  
02/13/2015,13:57:11,0.028  
02/13/2015,14:12:11,0.028  
02/13/2015,14:27:11,0.027



2-13-15 Downwind-1 VOC.txt

15/02/13 09:00

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 2/13/2015 09:00:11  
 End 2/13/2015 14:42:35  
 Sample Period(s) 900  
 Number of Records 22  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 50.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 43.476  
 TWA Alarm 43.476  
 Measurement Gas Isobutylene  
 Calibration Time 2/13/2015 07:48  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)
001	2/13/2015 09:15:11	0.041
002	2/13/2015 09:30:11	0.007
003	2/13/2015 09:45:11	0.018
004	2/13/2015 10:00:11	0.031
005	2/13/2015 10:15:11	0.040
006	2/13/2015 10:30:11	0.044
007	2/13/2015 10:45:11	0.048
008	2/13/2015 11:00:11	0.054
009	2/13/2015 11:15:11	0.059
010	2/13/2015 11:30:11	0.064
011	2/13/2015 11:45:11	0.070
012	2/13/2015 12:00:11	0.073
013	2/13/2015 12:15:11	0.079
014	2/13/2015 12:30:11	0.082
015	2/13/2015 12:45:11	0.081
016	2/13/2015 13:00:11	0.077
017	2/13/2015 13:15:11	0.077
018	2/13/2015 13:30:11	0.078
019	2/13/2015 13:45:11	0.082
020	2/13/2015 14:00:11	0.087
021	2/13/2015 14:15:11	0.090

022	2/13/2015 14:30:11	2-13-15 Downwind-1 VOC.txt
Peak	0.093	0.093
Min	0.007	
Average	0.062	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530122515  
Test ID:.,005  
Test Abbreviation:.,MANUAL\_005  
Start Date:.,02/13/2015  
Start Time:.,08:51:02  
Duration (dd:hh:mm:ss):.,0:05:45:00  
Log Interval (mm:ss):.,15:00  
Number of points:.,23  
Notes:.,

Statistics,Channel:.,AEROSOL  
,Units:.,mg/m<sup>3</sup>  
,Average:.,0.028  
,Minimum:.,0.022  
,Time of Minimum:.,14:36:02  
,Date of Minimum:.,02/13/2015  
,Maximum:.,0.035  
,Time of Maximum:.,11:06:02  
,Date of Maximum:.,02/13/2015

Calibration,Sensor:.,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
02/13/2015,09:06:02,0.026  
02/13/2015,09:21:02,0.025  
02/13/2015,09:36:02,0.026  
02/13/2015,09:51:02,0.027  
02/13/2015,10:06:02,0.032  
02/13/2015,10:21:02,0.032  
02/13/2015,10:36:02,0.030  
02/13/2015,10:51:02,0.031  
02/13/2015,11:06:02,0.035  
02/13/2015,11:21:02,0.033  
02/13/2015,11:36:02,0.031  
02/13/2015,11:51:02,0.029  
02/13/2015,12:06:02,0.028  
02/13/2015,12:21:02,0.029  
02/13/2015,12:36:02,0.028  
02/13/2015,12:51:02,0.026  
02/13/2015,13:06:02,0.027  
02/13/2015,13:21:02,0.026  
02/13/2015,13:36:02,0.027  
02/13/2015,13:51:02,0.024  
02/13/2015,14:06:02,0.024  
02/13/2015,14:21:02,0.023  
02/13/2015,14:36:02,0.022

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530122515  
Test ID:.,005  
Test Abbreviation:.,MANUAL\_005\_A  
Start Date:.,02/13/2015  
Start Time:.,08:51:03  
Duration (dd:hh:mm:ss):.,0:00:15:00  
Log Interval (mm:ss):.,01:00  
Number of points:.,15

Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.026  
,Minimum:,0.023  
,Time of Minimum:,08:55:03  
,Date of Minimum:,02/13/2015  
,Maximum:,0.037  
,Time of Maximum:,08:52:03  
,Date of Maximum:,02/13/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/13/2015,08:52:03,0.037  
02/13/2015,08:53:03,0.024  
02/13/2015,08:54:03,0.025  
02/13/2015,08:55:03,0.023  
02/13/2015,08:56:03,0.023  
02/13/2015,08:57:03,0.024  
02/13/2015,08:58:03,0.026  
02/13/2015,08:59:03,0.024  
02/13/2015,09:00:03,0.030  
02/13/2015,09:01:03,0.026  
02/13/2015,09:02:03,0.024  
02/13/2015,09:03:03,0.026  
02/13/2015,09:04:03,0.027  
02/13/2015,09:05:03,0.024  
02/13/2015,09:06:03,0.024

15/02/13 08:55

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Battery Low  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 2/13/2015 08:55:34  
 End 2/13/2015 12:47:19  
 Sample Period(s) 900  
 Number of Records 15  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 21.738  
 High Alarm 43.476  
 Over Alarm 15000.000  
 STEL Alarm 11110.869  
 TWA Alarm 10.869  
 Measurement Gas Isobutylene  
 Calibration Time 2/13/2015 07:52  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	2/13/2015 09:10:34	0.019	0.227
002	2/13/2015 09:25:34	0.000	0.003
003	2/13/2015 09:40:34	0.000	0.013
004	2/13/2015 09:55:34	0.000	0.011
005	2/13/2015 10:10:34	0.006	0.036
006	2/13/2015 10:25:34	0.009	0.042
007	2/13/2015 10:40:34	0.016	0.031
008	2/13/2015 10:55:34	0.021	0.050
009	2/13/2015 11:10:34	0.027	0.060
010	2/13/2015 11:25:34	0.028	0.043
011	2/13/2015 11:40:34	0.032	0.043
012	2/13/2015 11:55:34	0.035	0.066
013	2/13/2015 12:10:34	0.033	0.047
014	2/13/2015 12:25:34	0.036	0.072
015	2/13/2015 12:40:34	0.036	0.063
Peak		0.036	0.227
Min		0.000	0.003
Average		0.020	0.054

15/02/13 13:39

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 2/13/2015 13:39:39  
 End 2/13/2015 14:43:21  
 Sample Period(s) 900  
 Number of Records 4  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 21.738  
 High Alarm 43.476  
 Over Alarm 15000.000  
 STEL Alarm 11110.869  
 TWA Alarm 10.869  
 Measurement Gas Isobutylene  
 Calibration Time 2/13/2015 07:52  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	2/13/2015 13:54:39	0.000	0.009
002	2/13/2015 14:09:39	0.000	0.000
003	2/13/2015 14:24:39	0.000	0.000
004	2/13/2015 14:39:39	0.000	0.004
Peak		0.000	0.009
Min		0.000	0.000
Average		0.000	0.003

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_A  
Start Date:,02/13/2015  
Start Time:,09:00:05  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.024  
,Minimum:,0.023  
,Time of Minimum:,09:02:05  
,Date of Minimum:,02/13/2015  
,Maximum:,0.039  
,Time of Maximum:,09:01:05  
,Date of Maximum:,02/13/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/13/2015,09:01:05,0.039  
02/13/2015,09:02:05,0.023  
02/13/2015,09:03:05,0.023  
02/13/2015,09:04:05,0.023  
02/13/2015,09:05:05,0.023  
02/13/2015,09:06:05,0.023  
02/13/2015,09:07:05,0.023  
02/13/2015,09:08:05,0.023  
02/13/2015,09:09:05,0.023  
02/13/2015,09:10:05,0.023  
02/13/2015,09:11:05,0.023  
02/13/2015,09:12:05,0.024  
02/13/2015,09:13:05,0.023  
02/13/2015,09:14:05,0.023  
02/13/2015,09:15:05,0.023

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530141112  
Test ID:.,001  
Test Abbreviation:.,MANUAL\_001  
Start Date:.,02/16/2015  
Start Time:.,08:33:23  
Duration (dd:hh:mm:ss):.,0:06:30:00  
Log Interval (mm:ss):.,15:00  
Number of points:.,26  
Notes:.,

Statistics,Channel:.,AEROSOL  
,Units:.,mg/m^3  
,Average:.,0.033  
,Minimum:.,0.025  
,Time of Minimum:.,15:03:23  
,Date of Minimum:.,02/16/2015  
,Maximum:.,0.041  
,Time of Maximum:.,09:03:23  
,Date of Maximum:.,02/16/2015

Calibration,Sensor:.,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m^3  
02/16/2015,08:48:23,0.036  
02/16/2015,09:03:23,0.041  
02/16/2015,09:18:23,0.041  
02/16/2015,09:33:23,0.038  
02/16/2015,09:48:23,0.039  
02/16/2015,10:03:23,0.039  
02/16/2015,10:18:23,0.040  
02/16/2015,10:33:23,0.037  
02/16/2015,10:48:23,0.038  
02/16/2015,11:03:23,0.034  
02/16/2015,11:18:23,0.035  
02/16/2015,11:33:23,0.037  
02/16/2015,11:48:23,0.038  
02/16/2015,12:03:23,0.038  
02/16/2015,12:18:23,0.033  
02/16/2015,12:33:23,0.032  
02/16/2015,12:48:23,0.030  
02/16/2015,13:03:23,0.029  
02/16/2015,13:18:23,0.028  
02/16/2015,13:33:23,0.026  
02/16/2015,13:48:23,0.027  
02/16/2015,14:03:23,0.028  
02/16/2015,14:18:23,0.028  
02/16/2015,14:33:23,0.027  
02/16/2015,14:48:23,0.026  
02/16/2015,15:03:23,0.025

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530141112  
Test ID:.,001  
Test Abbreviation:.,MANUAL\_001\_A  
Start Date:.,02/16/2015  
Start Time:.,08:50:59



Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.041  
,Minimum:,0.033  
,Time of Minimum:,08:54:59  
,Date of Minimum:,02/16/2015  
,Maximum:,0.057  
,Time of Maximum:,08:58:59  
,Date of Maximum:,02/16/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/16/2015,08:51:59,0.050  
02/16/2015,08:52:59,0.036  
02/16/2015,08:53:59,0.043  
02/16/2015,08:54:59,0.033  
02/16/2015,08:55:59,0.041  
02/16/2015,08:56:59,0.041  
02/16/2015,08:57:59,0.035  
02/16/2015,08:58:59,0.057  
02/16/2015,08:59:59,0.042  
02/16/2015,09:00:59,0.050  
02/16/2015,09:01:59,0.036  
02/16/2015,09:02:59,0.036  
02/16/2015,09:03:59,0.042  
02/16/2015,09:04:59,0.045  
02/16/2015,09:05:59,0.034

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_B  
Start Date:,02/16/2015  
Start Time:,09:17:24  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.039  
,Minimum:,0.030  
,Time of Minimum:,09:25:24  
,Date of Minimum:,02/16/2015  
,Maximum:,0.049  
,Time of Maximum:,09:20:24  
,Date of Maximum:,02/16/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>

2-16-15 Downwind-1 Dust.txt

02/16/2015,09:18:24,0.048  
02/16/2015,09:19:24,0.037  
02/16/2015,09:20:24,0.049  
02/16/2015,09:21:24,0.042  
02/16/2015,09:22:24,0.042  
02/16/2015,09:23:24,0.040  
02/16/2015,09:24:24,0.044  
02/16/2015,09:25:24,0.030  
02/16/2015,09:26:24,0.034  
02/16/2015,09:27:24,0.038  
02/16/2015,09:28:24,0.040  
02/16/2015,09:29:24,0.037  
02/16/2015,09:30:24,0.034  
02/16/2015,09:31:24,0.037  
02/16/2015,09:32:24,0.033

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_C  
Start Date:,02/16/2015  
Start Time:,09:35:58  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.040  
,Minimum:,0.035  
,Time of Minimum:,09:38:58  
,Date of Minimum:,02/16/2015  
,Maximum:,0.054  
,Time of Maximum:,09:36:58  
,Date of Maximum:,02/16/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/16/2015,09:36:58,0.054  
02/16/2015,09:37:58,0.038  
02/16/2015,09:38:58,0.035  
02/16/2015,09:39:58,0.041  
02/16/2015,09:40:58,0.041  
02/16/2015,09:41:58,0.042  
02/16/2015,09:42:58,0.040  
02/16/2015,09:43:58,0.039  
02/16/2015,09:44:58,0.039  
02/16/2015,09:45:58,0.037  
02/16/2015,09:46:58,0.043  
02/16/2015,09:47:58,0.035  
02/16/2015,09:48:58,0.041  
02/16/2015,09:49:58,0.035  
02/16/2015,09:50:58,0.035

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001

Test Abbreviation:,MANUAL\_001\_D  
Start Date:,02/16/2015  
Start Time:,09:54:53  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.040  
,Minimum:,0.033  
,Time of Minimum:,10:08:53  
,Date of Minimum:,02/16/2015  
,Maximum:,0.053  
,Time of Maximum:,09:55:53  
,Date of Maximum:,02/16/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/16/2015,09:55:53,0.053  
02/16/2015,09:56:53,0.042  
02/16/2015,09:57:53,0.040  
02/16/2015,09:58:53,0.042  
02/16/2015,09:59:53,0.034  
02/16/2015,10:00:53,0.035  
02/16/2015,10:01:53,0.035  
02/16/2015,10:02:53,0.038  
02/16/2015,10:03:53,0.047  
02/16/2015,10:04:53,0.035  
02/16/2015,10:05:53,0.040  
02/16/2015,10:06:53,0.045  
02/16/2015,10:07:53,0.040  
02/16/2015,10:08:53,0.033  
02/16/2015,10:09:53,0.036

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_E  
Start Date:,02/16/2015  
Start Time:,10:16:22  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.039  
,Minimum:,0.034  
,Time of Minimum:,10:18:22  
,Date of Minimum:,02/16/2015  
,Maximum:,0.069  
,Time of Maximum:,10:17:22  
,Date of Maximum:,02/16/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

2-16-15 Downwind-1 Dust.txt

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m^3  
02/16/2015,10:17:22,0.069  
02/16/2015,10:18:22,0.034  
02/16/2015,10:19:22,0.036  
02/16/2015,10:20:22,0.036  
02/16/2015,10:21:22,0.036  
02/16/2015,10:22:22,0.035  
02/16/2015,10:23:22,0.038  
02/16/2015,10:24:22,0.042  
02/16/2015,10:25:22,0.045  
02/16/2015,10:26:22,0.036  
02/16/2015,10:27:22,0.036  
02/16/2015,10:28:22,0.037  
02/16/2015,10:29:22,0.034  
02/16/2015,10:30:22,0.037  
02/16/2015,10:31:22,0.035

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_F  
Start Date:,02/16/2015  
Start Time:,10:36:21  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m^3  
,Average:,0.037  
,Minimum:,0.029  
,Time of Minimum:,10:48:21  
,Date of Minimum:,02/16/2015  
,Maximum:,0.047  
,Time of Maximum:,10:37:21  
,Date of Maximum:,02/16/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m^3  
02/16/2015,10:37:21,0.047  
02/16/2015,10:38:21,0.040  
02/16/2015,10:39:21,0.037  
02/16/2015,10:40:21,0.040  
02/16/2015,10:41:21,0.039  
02/16/2015,10:42:21,0.039  
02/16/2015,10:43:21,0.044  
02/16/2015,10:44:21,0.038  
02/16/2015,10:45:21,0.039  
02/16/2015,10:46:21,0.035  
02/16/2015,10:47:21,0.036  
02/16/2015,10:48:21,0.029  
02/16/2015,10:49:21,0.030  
02/16/2015,10:50:21,0.033  
02/16/2015,10:51:21,0.029

2-16-15 Downwind-1 VOC.txt

15/02/16 08:22

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 2/16/2015 08:22:26  
 End 2/16/2015 15:11:00  
 Sample Period(s) 900  
 Number of Records 27  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 50.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 43.476  
 TWA Alarm 43.476  
 Measurement Gas Isobutylene  
 Calibration Time 2/16/2015 08:20  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	2/16/2015 08:37:26	0.091	0.121
002	2/16/2015 08:52:26	0.038	0.055
003	2/16/2015 09:07:26	0.032	0.055
004	2/16/2015 09:22:26	0.036	0.060
005	2/16/2015 09:37:26	0.047	0.056
006	2/16/2015 09:52:26	0.053	0.068
007	2/16/2015 10:07:26	0.057	0.069
008	2/16/2015 10:22:26	0.057	0.076
009	2/16/2015 10:37:26	0.055	0.068
010	2/16/2015 10:52:26	0.055	0.068
011	2/16/2015 11:07:26	0.056	0.071
012	2/16/2015 11:22:26	0.057	0.075
013	2/16/2015 11:37:26	0.056	0.075
014	2/16/2015 11:52:26	0.055	0.069
015	2/16/2015 12:07:26	0.056	0.078
016	2/16/2015 12:22:26	0.059	0.073
017	2/16/2015 12:37:26	0.062	0.077
018	2/16/2015 12:52:26	0.057	0.076
019	2/16/2015 13:07:26	0.051	0.068
020	2/16/2015 13:22:26	0.049	0.064
021	2/16/2015 13:37:26	0.049	0.058

2-16-15 Downwind-1 VOC.txt

022	2/16/2015	13:52:26	0.051	0.061
023	2/16/2015	14:07:26	0.053	0.061
024	2/16/2015	14:22:26	0.054	0.061
025	2/16/2015	14:37:26	0.054	0.062
026	2/16/2015	14:52:26	0.054	0.067
027	2/16/2015	15:07:26	0.056	0.060
Peak		0.091	0.121	
Min		0.032	0.055	
Average		0.054	0.069	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530122515  
Test ID:.,001  
Test Abbreviation:.,MANUAL\_001  
Start Date:.,02/16/2015  
Start Time:.,08:26:36  
Duration (dd:hh:mm:ss):.,0:06:30:00  
Log Interval (mm:ss):.,15:00  
Number of points:.,26  
Notes:.,

Statistics,Channel:.,AEROSOL  
,Units:.,mg/m^3  
,Average:.,0.026  
,Minimum:.,0.019  
,Time of Minimum:.,14:56:36  
,Date of Minimum:.,02/16/2015  
,Maximum:.,0.033  
,Time of Maximum:.,08:41:36  
,Date of Maximum:.,02/16/2015

Calibration,Sensor:.,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m^3  
02/16/2015,08:41:36,0.033  
02/16/2015,08:56:36,0.032  
02/16/2015,09:11:36,0.032  
02/16/2015,09:26:36,0.031  
02/16/2015,09:41:36,0.028  
02/16/2015,09:56:36,0.030  
02/16/2015,10:11:36,0.031  
02/16/2015,10:26:36,0.028  
02/16/2015,10:41:36,0.029  
02/16/2015,10:56:36,0.026  
02/16/2015,11:11:36,0.027  
02/16/2015,11:26:36,0.027  
02/16/2015,11:41:36,0.028  
02/16/2015,11:56:36,0.029  
02/16/2015,12:11:36,0.027  
02/16/2015,12:26:36,0.027  
02/16/2015,12:41:36,0.022  
02/16/2015,12:56:36,0.023  
02/16/2015,13:11:36,0.022  
02/16/2015,13:26:36,0.020  
02/16/2015,13:41:36,0.021  
02/16/2015,13:56:36,0.025  
02/16/2015,14:11:36,0.022  
02/16/2015,14:26:36,0.022  
02/16/2015,14:41:36,0.020  
02/16/2015,14:56:36,0.019

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530122515  
Test ID:.,001  
Test Abbreviation:.,MANUAL\_001\_A  
Start Date:.,02/16/2015  
Start Time:.,08:26:40

Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.033  
,Minimum:,0.024  
,Time of Minimum:,08:33:40  
,Date of Minimum:,02/16/2015  
,Maximum:,0.110  
,Time of Maximum:,08:27:40  
,Date of Maximum:,02/16/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/16/2015,08:27:40,0.110  
02/16/2015,08:28:40,0.025  
02/16/2015,08:29:40,0.027  
02/16/2015,08:30:40,0.027  
02/16/2015,08:31:40,0.025  
02/16/2015,08:32:40,0.025  
02/16/2015,08:33:40,0.024  
02/16/2015,08:34:40,0.025  
02/16/2015,08:35:40,0.024  
02/16/2015,08:36:40,0.026  
02/16/2015,08:37:40,0.026  
02/16/2015,08:38:40,0.031  
02/16/2015,08:39:40,0.032  
02/16/2015,08:40:40,0.031  
02/16/2015,08:41:40,0.034

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_B  
Start Date:,02/16/2015  
Start Time:,13:56:19  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.024  
,Minimum:,0.020  
,Time of Minimum:,14:04:19  
,Date of Minimum:,02/16/2015  
,Maximum:,0.048  
,Time of Maximum:,13:57:19  
,Date of Maximum:,02/16/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>



2-16-15 Downwind-2 Dust.txt

02/16/2015,13:57:19,0.048  
02/16/2015,13:58:19,0.027  
02/16/2015,13:59:19,0.025  
02/16/2015,14:00:19,0.021  
02/16/2015,14:01:19,0.022  
02/16/2015,14:02:19,0.022  
02/16/2015,14:03:19,0.024  
02/16/2015,14:04:19,0.020  
02/16/2015,14:05:19,0.021  
02/16/2015,14:06:19,0.020  
02/16/2015,14:07:19,0.020  
02/16/2015,14:08:19,0.024  
02/16/2015,14:09:19,0.021  
02/16/2015,14:10:19,0.020  
02/16/2015,14:11:19,0.022

2-16-15 Downwind-2 VOC.txt

15/02/16 08:20

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Battery Low  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 2/16/2015 08:20:40  
 End 2/16/2015 13:52:57  
 Sample Period(s) 900  
 Number of Records 22  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm N/A  
 High Alarm N/A  
 Over Alarm N/A  
 STEL Alarm N/A  
 TWA Alarm N/A

Measurement Gas yyyyyyyyyyyyyy  
 Calibration Time 2/16/2015 08:20  
 Peak N/A  
 Min N/A  
 Average N/A

\*\*\*\*\*

Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	2/16/2015 08:35:40	0.000	0.033
002	2/16/2015 08:50:40	0.000	0.000
003	2/16/2015 09:05:40	0.000	0.000
004	2/16/2015 09:20:40	0.000	0.000
005	2/16/2015 09:35:40	0.000	0.000
006	2/16/2015 09:50:40	0.000	0.000
007	2/16/2015 10:05:40	0.000	0.000
008	2/16/2015 10:20:40	0.000	0.000
009	2/16/2015 10:35:40	0.000	0.000
010	2/16/2015 10:50:40	0.000	0.000
011	2/16/2015 11:05:40	0.000	0.000
012	2/16/2015 11:20:40	0.000	0.000
013	2/16/2015 11:35:40	0.000	0.000
014	2/16/2015 11:50:40	0.000	0.000
015	2/16/2015 12:05:40	0.000	0.000
016	2/16/2015 12:20:40	0.000	0.000
017	2/16/2015 12:35:40	0.000	0.000
018	2/16/2015 12:50:40	0.000	0.000
019	2/16/2015 13:05:40	0.000	0.000
020	2/16/2015 13:20:40	0.000	0.000
021	2/16/2015 13:35:40	0.000	0.000

022 2/16/2015 13:50:40 2-16-15 Downwind-2 VOC.txt  
Peak 0.000 0.033 0.000 0.000  
Min 0.000 0.000  
Average 0.000 0.002

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,02/16/2015  
Start Time:,08:36:40  
Duration (dd:hh:mm:ss):,0:06:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,25  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.027  
,Minimum:,0.022  
,Time of Minimum:,14:51:40  
,Date of Minimum:,02/16/2015  
,Maximum:,0.032  
,Time of Maximum:,10:06:40  
,Date of Maximum:,02/16/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/16/2015,08:51:40,0.029  
02/16/2015,09:06:40,0.028  
02/16/2015,09:21:40,0.027  
02/16/2015,09:36:40,0.027  
02/16/2015,09:51:40,0.031  
02/16/2015,10:06:40,0.032  
02/16/2015,10:21:40,0.030  
02/16/2015,10:36:40,0.031  
02/16/2015,10:51:40,0.030  
02/16/2015,11:06:40,0.032  
02/16/2015,11:21:40,0.031  
02/16/2015,11:36:40,0.031  
02/16/2015,11:51:40,0.030  
02/16/2015,12:06:40,0.029  
02/16/2015,12:21:40,0.030  
02/16/2015,12:36:40,0.027  
02/16/2015,12:51:40,0.024  
02/16/2015,13:06:40,0.023  
02/16/2015,13:21:40,0.023  
02/16/2015,13:36:40,0.023  
02/16/2015,13:51:40,0.024  
02/16/2015,14:06:40,0.024  
02/16/2015,14:21:40,0.024  
02/16/2015,14:36:40,0.024  
02/16/2015,14:51:40,0.022

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,02/16/2015  
Start Time:,08:36:41  
Duration (dd:hh:mm:ss):,0:00:15:00

Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.029  
,Minimum:,0.026  
,Time of Minimum:,08:38:41  
,Date of Minimum:,02/16/2015  
,Maximum:,0.061  
,Time of Maximum:,08:37:41  
,Date of Maximum:,02/16/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
02/16/2015,08:37:41,0.061  
02/16/2015,08:38:41,0.026  
02/16/2015,08:39:41,0.026  
02/16/2015,08:40:41,0.026  
02/16/2015,08:41:41,0.026  
02/16/2015,08:42:41,0.026  
02/16/2015,08:43:41,0.027  
02/16/2015,08:44:41,0.026  
02/16/2015,08:45:41,0.027  
02/16/2015,08:46:41,0.026  
02/16/2015,08:47:41,0.026  
02/16/2015,08:48:41,0.027  
02/16/2015,08:49:41,0.026  
02/16/2015,08:50:41,0.027  
02/16/2015,08:51:41,0.027

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530141112  
Test ID:.,002  
Test Abbreviation:.,MANUAL\_002  
Start Date:.,02/17/2015  
Start Time:.,08:11:09  
Duration (dd:hh:mm:ss):.,0:07:15:00  
Log Interval (mm:ss):.,15:00  
Number of points:.,29  
Notes:.,

Statistics,Channel:.,AEROSOL  
,Units:.,mg/m<sup>3</sup>  
,Average:.,0.043  
,Minimum:.,0.023  
,Time of Minimum:.,15:11:09  
,Date of Minimum:.,02/17/2015  
,Maximum:.,0.060  
,Time of Maximum:.,10:11:09  
,Date of Maximum:.,02/17/2015

Calibration,Sensor:.,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
02/17/2015,08:26:09,0.037  
02/17/2015,08:41:09,0.048  
02/17/2015,08:56:09,0.053  
02/17/2015,09:11:09,0.056  
02/17/2015,09:26:09,0.055  
02/17/2015,09:41:09,0.058  
02/17/2015,09:56:09,0.058  
02/17/2015,10:11:09,0.060  
02/17/2015,10:26:09,0.051  
02/17/2015,10:41:09,0.049  
02/17/2015,10:56:09,0.051  
02/17/2015,11:11:09,0.055  
02/17/2015,11:26:09,0.051  
02/17/2015,11:41:09,0.049  
02/17/2015,11:56:09,0.047  
02/17/2015,12:11:09,0.046  
02/17/2015,12:26:09,0.045  
02/17/2015,12:41:09,0.042  
02/17/2015,12:56:09,0.041  
02/17/2015,13:11:09,0.040  
02/17/2015,13:26:09,0.037  
02/17/2015,13:41:09,0.036  
02/17/2015,13:56:09,0.031  
02/17/2015,14:11:09,0.028  
02/17/2015,14:26:09,0.026  
02/17/2015,14:41:09,0.027  
02/17/2015,14:56:09,0.024  
02/17/2015,15:11:09,0.023  
02/17/2015,15:26:09,0.025

2-17-15 Downwind-1 VOC.txt

15/02/17 08:14

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 2/17/2015 08:14:51  
 End 2/17/2015 15:33:41  
 Sample Period(s) 900  
 Number of Records 29  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 50.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 43.476  
 TWA Alarm 43.476  
 Measurement Gas Isobutylene  
 Calibration Time 2/17/2015 07:42  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	2/17/2015 08:29:51	0.034	0.268
002	2/17/2015 08:44:51	0.000	0.001
003	2/17/2015 08:59:51	0.000	0.000
004	2/17/2015 09:14:51	0.004	0.015
005	2/17/2015 09:29:51	0.017	0.027
006	2/17/2015 09:44:51	0.029	0.042
007	2/17/2015 09:59:51	0.039	0.048
008	2/17/2015 10:14:51	0.047	0.053
009	2/17/2015 10:29:51	0.048	0.054
010	2/17/2015 10:44:51	0.050	0.055
011	2/17/2015 10:59:51	0.051	0.056
012	2/17/2015 11:14:51	0.056	0.069
013	2/17/2015 11:29:51	0.053	0.063
014	2/17/2015 11:44:51	0.053	0.061
015	2/17/2015 11:59:51	0.054	0.064
016	2/17/2015 12:14:51	0.058	0.064
017	2/17/2015 12:29:51	0.059	0.066
018	2/17/2015 12:44:51	0.050	0.059
019	2/17/2015 12:59:51	0.040	0.049
020	2/17/2015 13:14:51	0.029	0.038
021	2/17/2015 13:29:51	0.026	0.034

2-17-15 Downwind-1 VOC.txt

022	2/17/2015	13:44:51	0.027	0.032
023	2/17/2015	13:59:51	0.025	0.045
024	2/17/2015	14:14:51	0.022	0.029
025	2/17/2015	14:29:51	0.016	0.027
026	2/17/2015	14:44:51	0.010	0.066
027	2/17/2015	14:59:51	0.004	0.011
028	2/17/2015	15:14:51	0.003	0.020
029	2/17/2015	15:29:51	0.006	0.014
Peak		0.059	0.268	
Min		0.000	0.000	
Average		0.031	0.049	



TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,02/17/2015  
Start Time:,08:05:18  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.037  
,Minimum:,0.018  
,Time of Minimum:,15:05:18  
,Date of Minimum:,02/17/2015  
,Maximum:,0.051  
,Time of Maximum:,10:05:18  
,Date of Maximum:,02/17/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/17/2015,08:20:18,0.037  
02/17/2015,08:35:18,0.045  
02/17/2015,08:50:18,0.045  
02/17/2015,09:05:18,0.049  
02/17/2015,09:20:18,0.046  
02/17/2015,09:35:18,0.048  
02/17/2015,09:50:18,0.048  
02/17/2015,10:05:18,0.051  
02/17/2015,10:20:18,0.046  
02/17/2015,10:35:18,0.042  
02/17/2015,10:50:18,0.043  
02/17/2015,11:05:18,0.048  
02/17/2015,11:20:18,0.044  
02/17/2015,11:35:18,0.043  
02/17/2015,11:50:18,0.043  
02/17/2015,12:05:18,0.040  
02/17/2015,12:20:18,0.040  
02/17/2015,12:35:18,0.039  
02/17/2015,12:50:18,0.037  
02/17/2015,13:05:18,0.035  
02/17/2015,13:20:18,0.033  
02/17/2015,13:35:18,0.033  
02/17/2015,13:50:18,0.028  
02/17/2015,14:05:18,0.024  
02/17/2015,14:20:18,0.022  
02/17/2015,14:35:18,0.020  
02/17/2015,14:50:18,0.019  
02/17/2015,15:05:18,0.018  
02/17/2015,15:20:18,0.019

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002

Test Abbreviation:,MANUAL\_002\_A  
Start Date:,02/17/2015  
Start Time:,08:05:19  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.037  
,Minimum:,0.030  
,Time of Minimum:,08:07:19  
,Date of Minimum:,02/17/2015  
,Maximum:,0.062  
,Time of Maximum:,08:06:19  
,Date of Maximum:,02/17/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/17/2015,08:06:19,0.062  
02/17/2015,08:07:19,0.030  
02/17/2015,08:08:19,0.030  
02/17/2015,08:09:19,0.030  
02/17/2015,08:10:19,0.036  
02/17/2015,08:11:19,0.034  
02/17/2015,08:12:19,0.032  
02/17/2015,08:13:19,0.031  
02/17/2015,08:14:19,0.032  
02/17/2015,08:15:19,0.034  
02/17/2015,08:16:19,0.040  
02/17/2015,08:17:19,0.042  
02/17/2015,08:18:19,0.039  
02/17/2015,08:19:19,0.042  
02/17/2015,08:20:19,0.042

2-17-15 Downwind-2 VOC.txt

15/02/17 08:59

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907602  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Battery Low  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 2/17/2015 08:59:35  
 End 2/17/2015 15:51:07  
 Sample Period(s) 900  
 Number of Records 27  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 1.000  
 High Alarm 5.000  
 Over Alarm 15000.000  
 STEL Alarm 50.000  
 TWA Alarm 20.000  
 Measurement Gas Isobutylene  
 Calibration Time 2/17/2015 08:31  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	2/17/2015 09:14:35	0.064	0.172
002	2/17/2015 09:29:35	0.043	0.087
003	2/17/2015 09:44:35	0.037	0.056
004	2/17/2015 09:59:35	0.066	0.094
005	2/17/2015 10:14:35	0.096	0.124
006	2/17/2015 10:29:35	0.122	0.140
007	2/17/2015 10:44:35	0.147	0.179
008	2/17/2015 10:59:35	0.176	0.199
009	2/17/2015 11:14:35	0.181	0.214
010	2/17/2015 11:29:35	0.180	0.206
011	2/17/2015 11:44:35	0.191	0.215
012	2/17/2015 11:59:35	0.203	65.535
013	2/17/2015 12:14:35	---	---
014	2/17/2015 12:29:35	---	---
015	2/17/2015 12:44:35	0.200	0.247
016	2/17/2015 12:59:35	0.197	0.217
017	2/17/2015 13:14:35	0.194	0.216
018	2/17/2015 13:29:35	0.193	0.215
019	2/17/2015 13:44:35	0.197	0.225
020	2/17/2015 13:59:35	0.209	0.239
021	2/17/2015 14:14:35	0.214	0.241

2-17-15 Downwind-2 VOC.txt

022	2/17/2015	14:29:35	0.224	0.263
023	2/17/2015	14:44:35	0.228	0.287
024	2/17/2015	14:59:35	0.220	0.257
025	2/17/2015	15:14:35	0.213	0.488
026	2/17/2015	15:29:35	0.191	0.316
027	2/17/2015	15:44:35	0.185	0.231
Peak		0.228	65.535	
Min		0.037	0.056	
Average		0.167	2.827	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,02/17/2015  
Start Time:,08:15:20  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.036  
,Minimum:,0.015  
,Time of Minimum:,15:00:20  
,Date of Minimum:,02/17/2015  
,Maximum:,0.052  
,Time of Maximum:,10:00:20  
,Date of Maximum:,02/17/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/17/2015,08:30:20,0.045  
02/17/2015,08:45:20,0.042  
02/17/2015,09:00:20,0.049  
02/17/2015,09:15:20,0.045  
02/17/2015,09:30:20,0.049  
02/17/2015,09:45:20,0.049  
02/17/2015,10:00:20,0.052  
02/17/2015,10:15:20,0.049  
02/17/2015,10:30:20,0.042  
02/17/2015,10:45:20,0.044  
02/17/2015,11:00:20,0.047  
02/17/2015,11:15:20,0.047  
02/17/2015,11:30:20,0.044  
02/17/2015,11:45:20,0.042  
02/17/2015,12:00:20,0.042  
02/17/2015,12:15:20,0.040  
02/17/2015,12:30:20,0.039  
02/17/2015,12:45:20,0.036  
02/17/2015,13:00:20,0.035  
02/17/2015,13:15:20,0.031  
02/17/2015,13:30:20,0.030  
02/17/2015,13:45:20,0.028  
02/17/2015,14:00:20,0.022  
02/17/2015,14:15:20,0.021  
02/17/2015,14:30:20,0.017  
02/17/2015,14:45:20,0.017  
02/17/2015,15:00:20,0.015  
02/17/2015,15:15:20,0.015  
02/17/2015,15:30:20,0.017

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002

Test Abbreviation:,MANUAL\_002\_A  
Start Date:,02/17/2015  
Start Time:,08:15:21  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.045  
,Minimum:,0.041  
,Time of Minimum:,08:30:21  
,Date of Minimum:,02/17/2015  
,Maximum:,0.076  
,Time of Maximum:,08:16:21  
,Date of Maximum:,02/17/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/17/2015,08:16:21,0.076  
02/17/2015,08:17:21,0.042  
02/17/2015,08:18:21,0.042  
02/17/2015,08:19:21,0.043  
02/17/2015,08:20:21,0.044  
02/17/2015,08:21:21,0.043  
02/17/2015,08:22:21,0.042  
02/17/2015,08:23:21,0.043  
02/17/2015,08:24:21,0.044  
02/17/2015,08:25:21,0.044  
02/17/2015,08:26:21,0.044  
02/17/2015,08:27:21,0.042  
02/17/2015,08:28:21,0.043  
02/17/2015,08:29:21,0.042  
02/17/2015,08:30:21,0.041

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,02/18/2015  
Start Time:,08:05:12  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.048  
,Minimum:,0.039  
,Time of Minimum:,15:05:12  
,Date of Minimum:,02/18/2015  
,Maximum:,0.073  
,Time of Maximum:,09:35:12  
,Date of Maximum:,02/18/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
02/18/2015,08:20:12,0.049  
02/18/2015,08:35:12,0.050  
02/18/2015,08:50:12,0.052  
02/18/2015,09:05:12,0.056  
02/18/2015,09:20:12,0.064  
02/18/2015,09:35:12,0.073  
02/18/2015,09:50:12,0.066  
02/18/2015,10:05:12,0.059  
02/18/2015,10:20:12,0.052  
02/18/2015,10:35:12,0.042  
02/18/2015,10:50:12,0.043  
02/18/2015,11:05:12,0.048  
02/18/2015,11:20:12,0.051  
02/18/2015,11:35:12,0.052  
02/18/2015,11:50:12,0.047  
02/18/2015,12:05:12,0.047  
02/18/2015,12:20:12,0.048  
02/18/2015,12:35:12,0.044  
02/18/2015,12:50:12,0.045  
02/18/2015,13:05:12,0.044  
02/18/2015,13:20:12,0.042  
02/18/2015,13:35:12,0.043  
02/18/2015,13:50:12,0.044  
02/18/2015,14:05:12,0.045  
02/18/2015,14:20:12,0.044  
02/18/2015,14:35:12,0.042  
02/18/2015,14:50:12,0.040  
02/18/2015,15:05:12,0.039  
02/18/2015,15:20:12,0.043  
02/18/2015,15:35:12,0.039  
02/18/2015,15:50:12,0.039

2-18-15 Downwind-1 VOC.txt

15/02/18 08:08

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 2/18/2015 08:08:54  
 End 2/18/2015 16:05:20  
 Sample Period(s) 900  
 Number of Records 31  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 50.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 43.476  
 TWA Alarm 43.476  
 Measurement Gas Isobutylene  
 Calibration Time 2/18/2015 07:43  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	2/18/2015 08:23:54	0.017	0.288
002	2/18/2015 08:38:54	0.000	0.000
003	2/18/2015 08:53:54	0.000	0.000
004	2/18/2015 09:08:54	0.000	0.000
005	2/18/2015 09:23:54	0.000	0.000
006	2/18/2015 09:38:54	0.000	0.004
007	2/18/2015 09:53:54	0.017	0.038
008	2/18/2015 10:08:54	0.025	0.038
009	2/18/2015 10:23:54	0.021	0.029
010	2/18/2015 10:38:54	0.020	0.027
011	2/18/2015 10:53:54	0.025	0.030
012	2/18/2015 11:08:54	0.028	0.035
013	2/18/2015 11:23:54	0.029	0.037
014	2/18/2015 11:38:54	0.031	0.054
015	2/18/2015 11:53:54	0.026	0.042
016	2/18/2015 12:08:54	0.026	0.038
017	2/18/2015 12:23:54	0.029	0.042
018	2/18/2015 12:38:54	0.030	0.034
019	2/18/2015 12:53:54	0.033	0.039
020	2/18/2015 13:08:54	0.034	0.046
021	2/18/2015 13:23:54	0.031	0.037



2-18-15 Downwind-1 VOC.txt

022	2/18/2015	13:38:54	0.033	0.037
023	2/18/2015	13:53:54	0.032	0.035
024	2/18/2015	14:08:54	0.032	0.036
025	2/18/2015	14:23:54	0.033	0.037
026	2/18/2015	14:38:54	0.034	0.040
027	2/18/2015	14:53:54	0.036	0.040
028	2/18/2015	15:08:54	0.039	0.043
029	2/18/2015	15:23:54	0.043	0.051
030	2/18/2015	15:38:54	0.042	0.046
031	2/18/2015	15:53:54	0.045	0.051
Peak		0.045	0.288	
Min		0.000	0.000	
Average		0.026	0.041	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,02/18/2015  
Start Time:,07:58:55  
Duration (dd:hh:mm:ss):,0:08:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,32  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.044  
,Minimum:,0.038  
,Time of Minimum:,15:58:55  
,Date of Minimum:,02/18/2015  
,Maximum:,0.058  
,Time of Maximum:,09:28:55  
,Date of Maximum:,02/18/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/18/2015,08:13:55,0.042  
02/18/2015,08:28:55,0.045  
02/18/2015,08:43:55,0.046  
02/18/2015,08:58:55,0.049  
02/18/2015,09:13:55,0.051  
02/18/2015,09:28:55,0.058  
02/18/2015,09:43:55,0.055  
02/18/2015,09:58:55,0.050  
02/18/2015,10:13:55,0.044  
02/18/2015,10:28:55,0.041  
02/18/2015,10:43:55,0.040  
02/18/2015,10:58:55,0.041  
02/18/2015,11:13:55,0.044  
02/18/2015,11:28:55,0.042  
02/18/2015,11:43:55,0.041  
02/18/2015,11:58:55,0.043  
02/18/2015,12:13:55,0.044  
02/18/2015,12:28:55,0.044  
02/18/2015,12:43:55,0.045  
02/18/2015,12:58:55,0.041  
02/18/2015,13:13:55,0.040  
02/18/2015,13:28:55,0.045  
02/18/2015,13:43:55,0.043  
02/18/2015,13:58:55,0.046  
02/18/2015,14:13:55,0.045  
02/18/2015,14:28:55,0.043  
02/18/2015,14:43:55,0.040  
02/18/2015,14:58:55,0.040  
02/18/2015,15:13:55,0.040  
02/18/2015,15:28:55,0.040  
02/18/2015,15:43:55,0.040  
02/18/2015,15:58:55,0.038

2-18-15 Downwind-2 VOC.txt

15/02/18 08:04

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907602  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Battery Low  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 2/18/2015 08:04:18  
 End 2/18/2015 15:35:34  
 Sample Period(s) 900  
 Number of Records 30  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 1.000  
 High Alarm 5.000  
 Over Alarm 15000.000  
 STEL Alarm 50.000  
 TWA Alarm 20.000  
 Measurement Gas Isobutylene  
 Calibration Time 2/18/2015 07:45  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	2/18/2015 08:19:18	0.112	0.303
002	2/18/2015 08:34:18	0.102	0.122
003	2/18/2015 08:49:18	0.122	0.157
004	2/18/2015 09:04:18	0.165	0.194
005	2/18/2015 09:19:18	0.206	0.237
006	2/18/2015 09:34:18	0.234	0.257
007	2/18/2015 09:49:18	0.283	0.356
008	2/18/2015 10:04:18	0.295	0.364
009	2/18/2015 10:19:18	0.277	0.326
010	2/18/2015 10:34:18	0.281	0.305
011	2/18/2015 10:49:18	0.280	0.306
012	2/18/2015 11:04:18	0.283	0.315
013	2/18/2015 11:19:18	0.284	0.316
014	2/18/2015 11:34:18	0.292	0.367
015	2/18/2015 11:49:18	0.286	0.332
016	2/18/2015 12:04:18	0.293	0.347
017	2/18/2015 12:19:18	0.300	0.368
018	2/18/2015 12:34:18	0.312	0.365
019	2/18/2015 12:49:18	0.311	0.368
020	2/18/2015 13:04:18	0.292	0.314
021	2/18/2015 13:19:18	0.294	0.323

2-18-15 Downwind-2 VOC.txt

022	2/18/2015	13:34:18	0.306	0.361
023	2/18/2015	13:49:18	0.311	0.362
024	2/18/2015	14:04:18	0.330	0.371
025	2/18/2015	14:19:18	0.343	0.385
026	2/18/2015	14:34:18	0.351	0.391
027	2/18/2015	14:49:18	0.368	0.404
028	2/18/2015	15:04:18	0.388	0.426
029	2/18/2015	15:19:18	0.402	0.448
030	2/18/2015	15:34:18	0.413	0.438
Peak			0.413	0.448
Min			0.102	0.122
Average			0.284	0.331

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,02/18/2015  
Start Time:,08:11:05  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.040  
,Minimum:,0.034  
,Time of Minimum:,14:56:05  
,Date of Minimum:,02/18/2015  
,Maximum:,0.055  
,Time of Maximum:,09:41:05  
,Date of Maximum:,02/18/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/18/2015,08:26:05,0.044  
02/18/2015,08:41:05,0.042  
02/18/2015,08:56:05,0.044  
02/18/2015,09:11:05,0.046  
02/18/2015,09:26:05,0.053  
02/18/2015,09:41:05,0.055  
02/18/2015,09:56:05,0.046  
02/18/2015,10:11:05,0.043  
02/18/2015,10:26:05,0.037  
02/18/2015,10:41:05,0.035  
02/18/2015,10:56:05,0.036  
02/18/2015,11:11:05,0.037  
02/18/2015,11:26:05,0.038  
02/18/2015,11:41:05,0.038  
02/18/2015,11:56:05,0.038  
02/18/2015,12:11:05,0.039  
02/18/2015,12:26:05,0.039  
02/18/2015,12:41:05,0.038  
02/18/2015,12:56:05,0.038  
02/18/2015,13:11:05,0.038  
02/18/2015,13:26:05,0.039  
02/18/2015,13:41:05,0.040  
02/18/2015,13:56:05,0.040  
02/18/2015,14:11:05,0.040  
02/18/2015,14:26:05,0.039  
02/18/2015,14:41:05,0.037  
02/18/2015,14:56:05,0.034  
02/18/2015,15:11:05,0.036  
02/18/2015,15:26:05,0.035  
02/18/2015,15:41:05,0.035

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315

2-18-15 Upwind Dust.txt

Test ID:,003  
Test Abbreviation:,MANUAL\_003\_A  
Start Date:,02/18/2015  
Start Time:,08:11:06  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.044  
,Minimum:,0.039  
,Time of Minimum:,08:13:06  
,Date of Minimum:,02/18/2015  
,Maximum:,0.105  
,Time of Maximum:,08:12:06  
,Date of Maximum:,02/18/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/18/2015,08:12:06,0.105  
02/18/2015,08:13:06,0.039  
02/18/2015,08:14:06,0.040  
02/18/2015,08:15:06,0.039  
02/18/2015,08:16:06,0.039  
02/18/2015,08:17:06,0.039  
02/18/2015,08:18:06,0.040  
02/18/2015,08:19:06,0.040  
02/18/2015,08:20:06,0.040  
02/18/2015,08:21:06,0.040  
02/18/2015,08:22:06,0.040  
02/18/2015,08:23:06,0.040  
02/18/2015,08:24:06,0.041  
02/18/2015,08:25:06,0.041  
02/18/2015,08:26:06,0.041

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,02/19/2015  
Start Time:,08:12:15  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.028  
,Minimum:,0.020  
,Time of Minimum:,08:27:15  
,Date of Minimum:,02/19/2015  
,Maximum:,0.032  
,Time of Maximum:,12:42:15  
,Date of Maximum:,02/19/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/19/2015,08:27:15,0.020  
02/19/2015,08:42:15,0.022  
02/19/2015,08:57:15,0.027  
02/19/2015,09:12:15,0.025  
02/19/2015,09:27:15,0.026  
02/19/2015,09:42:15,0.027  
02/19/2015,09:57:15,0.028  
02/19/2015,10:12:15,0.030  
02/19/2015,10:27:15,0.030  
02/19/2015,10:42:15,0.029  
02/19/2015,10:57:15,0.031  
02/19/2015,11:12:15,0.031  
02/19/2015,11:27:15,0.029  
02/19/2015,11:42:15,0.030  
02/19/2015,11:57:15,0.030  
02/19/2015,12:12:15,0.028  
02/19/2015,12:27:15,0.031  
02/19/2015,12:42:15,0.032  
02/19/2015,12:57:15,0.030  
02/19/2015,13:12:15,0.030  
02/19/2015,13:27:15,0.030  
02/19/2015,13:42:15,0.029  
02/19/2015,13:57:15,0.030  
02/19/2015,14:12:15,0.027  
02/19/2015,14:27:15,0.026  
02/19/2015,14:42:15,0.028  
02/19/2015,14:57:15,0.028  
02/19/2015,15:12:15,0.026  
02/19/2015,15:27:15,0.026  
02/19/2015,15:42:15,0.029  
02/19/2015,15:57:15,0.032

Model:,DustTrak II  
Model Number:,8530

Serial Number:,8530141112  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_A  
Start Date:,02/19/2015  
Start Time:,13:31:27  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.029  
,Minimum:,0.026  
,Time of Minimum:,13:37:27  
,Date of Minimum:,02/19/2015  
,Maximum:,0.043  
,Time of Maximum:,13:32:27  
,Date of Maximum:,02/19/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/19/2015,13:32:27,0.043  
02/19/2015,13:33:27,0.029  
02/19/2015,13:34:27,0.032  
02/19/2015,13:35:27,0.029  
02/19/2015,13:36:27,0.029  
02/19/2015,13:37:27,0.026  
02/19/2015,13:38:27,0.026  
02/19/2015,13:39:27,0.027  
02/19/2015,13:40:27,0.029  
02/19/2015,13:41:27,0.026  
02/19/2015,13:42:27,0.028  
02/19/2015,13:43:27,0.035  
02/19/2015,13:44:27,0.029  
02/19/2015,13:45:27,0.028  
02/19/2015,13:46:27,0.027



2-19-15 Downwind-1-A VOC.txt

15/02/19 08:16

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 2/19/2015 08:16:16  
 End 2/19/2015 13:35:41  
 Sample Period(s) 900  
 Number of Records 21  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 50.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 43.476  
 TWA Alarm 43.476  
 Measurement Gas Isobutylene  
 Calibration Time 2/19/2015 07:49  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

\*\*\*\*\*

Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	2/19/2015 08:31:16	0.017	0.288
002	2/19/2015 08:46:16	0.000	0.000
003	2/19/2015 09:01:16	0.000	0.000
004	2/19/2015 09:16:16	0.000	0.000
005	2/19/2015 09:31:16	0.000	0.000
006	2/19/2015 09:46:16	0.000	0.004
007	2/19/2015 10:01:16	0.017	0.038
008	2/19/2015 10:16:16	0.025	0.038
009	2/19/2015 10:31:16	0.021	0.029
010	2/19/2015 10:46:16	0.020	0.027
011	2/19/2015 11:01:16	0.025	0.030
012	2/19/2015 11:16:16	0.028	0.035
013	2/19/2015 11:31:16	0.029	0.037
014	2/19/2015 11:46:16	0.031	0.054
015	2/19/2015 12:01:16	0.026	0.042
016	2/19/2015 12:16:16	0.026	0.038
017	2/19/2015 12:31:16	0.029	0.042
018	2/19/2015 12:46:16	0.030	0.034
019	2/19/2015 13:01:16	0.033	0.039
020	2/19/2015 13:16:16	0.034	0.046
021	2/19/2015 13:31:16	0.031	0.037

2-19-15 Downwind-1-A VOC.txt

Peak	0.034	0.288
Min	0.000	0.000
Average	0.020	0.041

2-19-15 Downwind-1-B VOC.txt

15/02/19 14:04

\*\*\*\*\*

Summary

-----  
Unit Name MiniRAE 3000(PGM-7320)  
Unit SN 592-907461  
Unit Firmware Ver v1.10C  
-----

Running Mode Hygiene Mode  
Measure Type Avg; Max  
Datalog Mode Continuous  
Datalog Type Auto  
Diagnostic Mode No  
Stop Reason Power Down  
-----

Site ID RAE00000  
User ID 00000001  
-----

Begin 2/19/2015 14:04:35  
End 2/19/2015 16:02:23  
Sample Period(s) 900  
Number of Records 7  
-----

Sensor VOC(ppm)  
Span 100.000  
Span 2 N/A  
Low Alarm 50.000  
High Alarm 100.000  
Over Alarm 15000.000  
STEL Alarm 43.476  
TWA Alarm 43.476  
Measurement Gas Isobutylene  
Calibration Time 2/19/2015 07:49  
Peak N/A  
Min N/A  
Average N/A  
-----

\*\*\*\*\*

Datalog

Index	Date/Time	VOC(ppm)	
		(Avg)	(Max)
001	2/19/2015 14:19:35	0.000	0.000
002	2/19/2015 14:34:35	0.000	0.000
003	2/19/2015 14:49:35	0.000	0.000
004	2/19/2015 15:04:35	0.000	0.000
005	2/19/2015 15:19:35	0.000	0.000
006	2/19/2015 15:34:35	0.000	0.000
007	2/19/2015 15:49:35	0.000	0.023
Peak		0.000	0.023
Min		0.000	0.000
Average		0.000	0.003

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,02/19/2015  
Start Time:,08:12:04  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.035  
,Minimum:,0.026  
,Time of Minimum:,08:27:04  
,Date of Minimum:,02/19/2015  
,Maximum:,0.042  
,Time of Maximum:,08:57:04  
,Date of Maximum:,02/19/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/19/2015,08:27:04,0.026  
02/19/2015,08:42:04,0.035  
02/19/2015,08:57:04,0.042  
02/19/2015,09:12:04,0.034  
02/19/2015,09:27:04,0.041  
02/19/2015,09:42:04,0.040  
02/19/2015,09:57:04,0.038  
02/19/2015,10:12:04,0.037  
02/19/2015,10:27:04,0.035  
02/19/2015,10:42:04,0.037  
02/19/2015,10:57:04,0.035  
02/19/2015,11:12:04,0.035  
02/19/2015,11:27:04,0.036  
02/19/2015,11:42:04,0.034  
02/19/2015,11:57:04,0.038  
02/19/2015,12:12:04,0.034  
02/19/2015,12:27:04,0.036  
02/19/2015,12:42:04,0.036  
02/19/2015,12:57:04,0.035  
02/19/2015,13:12:04,0.036  
02/19/2015,13:27:04,0.036  
02/19/2015,13:42:04,0.033  
02/19/2015,13:57:04,0.036  
02/19/2015,14:12:04,0.037  
02/19/2015,14:27:04,0.032  
02/19/2015,14:42:04,0.033  
02/19/2015,14:57:04,0.033  
02/19/2015,15:12:04,0.032  
02/19/2015,15:27:04,0.033  
02/19/2015,15:42:04,0.040

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515

Test ID:,004  
Test Abbreviation:,MANUAL\_004\_A  
Start Date:,02/19/2015  
Start Time:,08:31:13  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.035  
,Minimum:,0.029  
,Time of Minimum:,08:33:13  
,Date of Minimum:,02/19/2015  
,Maximum:,0.042  
,Time of Maximum:,08:46:13  
,Date of Maximum:,02/19/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/19/2015,08:32:13,0.040  
02/19/2015,08:33:13,0.029  
02/19/2015,08:34:13,0.030  
02/19/2015,08:35:13,0.033  
02/19/2015,08:36:13,0.036  
02/19/2015,08:37:13,0.031  
02/19/2015,08:38:13,0.036  
02/19/2015,08:39:13,0.034  
02/19/2015,08:40:13,0.040  
02/19/2015,08:41:13,0.032  
02/19/2015,08:42:13,0.032  
02/19/2015,08:43:13,0.038  
02/19/2015,08:44:13,0.034  
02/19/2015,08:45:13,0.038  
02/19/2015,08:46:13,0.042

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_B  
Start Date:,02/19/2015  
Start Time:,08:52:10  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.038  
,Minimum:,0.025  
,Time of Minimum:,08:58:10  
,Date of Minimum:,02/19/2015  
,Maximum:,0.109  
,Time of Maximum:,08:53:10  
,Date of Maximum:,02/19/2015

Calibration,Sensor:,AEROSOL

,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
02/19/2015,08:53:10,0.109  
02/19/2015,08:54:10,0.033  
02/19/2015,08:55:10,0.042  
02/19/2015,08:56:10,0.035  
02/19/2015,08:57:10,0.038  
02/19/2015,08:58:10,0.025  
02/19/2015,08:59:10,0.025  
02/19/2015,09:00:10,0.035  
02/19/2015,09:01:10,0.027  
02/19/2015,09:02:10,0.036  
02/19/2015,09:03:10,0.029  
02/19/2015,09:04:10,0.036  
02/19/2015,09:05:10,0.032  
02/19/2015,09:06:10,0.033  
02/19/2015,09:07:10,0.037

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_C  
Start Date:,02/19/2015  
Start Time:,09:10:39  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.041  
,Minimum:,0.029  
,Time of Minimum:,09:23:39  
,Date of Minimum:,02/19/2015  
,Maximum:,0.070  
,Time of Maximum:,09:20:39  
,Date of Maximum:,02/19/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
02/19/2015,09:11:39,0.047  
02/19/2015,09:12:39,0.043  
02/19/2015,09:13:39,0.034  
02/19/2015,09:14:39,0.032  
02/19/2015,09:15:39,0.046  
02/19/2015,09:16:39,0.045  
02/19/2015,09:17:39,0.035  
02/19/2015,09:18:39,0.036  
02/19/2015,09:19:39,0.049  
02/19/2015,09:20:39,0.070  
02/19/2015,09:21:39,0.042  
02/19/2015,09:22:39,0.045  
02/19/2015,09:23:39,0.029  
02/19/2015,09:24:39,0.033  
02/19/2015,09:25:39,0.033

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_D  
Start Date:,02/19/2015  
Start Time:,09:34:29  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.041  
,Minimum:,0.033  
,Time of Minimum:,09:41:29  
,Date of Minimum:,02/19/2015  
,Maximum:,0.075  
,Time of Maximum:,09:35:29  
,Date of Maximum:,02/19/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/19/2015,09:35:29,0.075  
02/19/2015,09:36:29,0.036  
02/19/2015,09:37:29,0.046  
02/19/2015,09:38:29,0.039  
02/19/2015,09:39:29,0.039  
02/19/2015,09:40:29,0.048  
02/19/2015,09:41:29,0.033  
02/19/2015,09:42:29,0.036  
02/19/2015,09:43:29,0.033  
02/19/2015,09:44:29,0.037  
02/19/2015,09:45:29,0.039  
02/19/2015,09:46:29,0.039  
02/19/2015,09:47:29,0.040  
02/19/2015,09:48:29,0.033  
02/19/2015,09:49:29,0.034

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_E  
Start Date:,02/19/2015  
Start Time:,09:51:05  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.039  
,Minimum:,0.033  
,Time of Minimum:,10:04:05  
,Date of Minimum:,02/19/2015  
,Maximum:,0.051  
,Time of Maximum:,10:03:05

,Date of Maximum:,02/19/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
02/19/2015,09:52:05,0.046  
02/19/2015,09:53:05,0.034  
02/19/2015,09:54:05,0.035  
02/19/2015,09:55:05,0.048  
02/19/2015,09:56:05,0.042  
02/19/2015,09:57:05,0.037  
02/19/2015,09:58:05,0.034  
02/19/2015,09:59:05,0.036  
02/19/2015,10:00:05,0.038  
02/19/2015,10:01:05,0.042  
02/19/2015,10:02:05,0.036  
02/19/2015,10:03:05,0.051  
02/19/2015,10:04:05,0.033  
02/19/2015,10:05:05,0.034  
02/19/2015,10:06:05,0.035

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_F  
Start Date:,02/19/2015  
Start Time:,10:08:19  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.035  
,Minimum:,0.030  
,Time of Minimum:,10:11:19  
,Date of Minimum:,02/19/2015  
,Maximum:,0.045  
,Time of Maximum:,10:09:19  
,Date of Maximum:,02/19/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
02/19/2015,10:09:19,0.045  
02/19/2015,10:10:19,0.031  
02/19/2015,10:11:19,0.030  
02/19/2015,10:12:19,0.037  
02/19/2015,10:13:19,0.034  
02/19/2015,10:14:19,0.038  
02/19/2015,10:15:19,0.034  
02/19/2015,10:16:19,0.035  
02/19/2015,10:17:19,0.032  
02/19/2015,10:18:19,0.033  
02/19/2015,10:19:19,0.035  
02/19/2015,10:20:19,0.034  
02/19/2015,10:21:19,0.036



02/19/2015,10:22:19,0.036  
02/19/2015,10:23:19,0.032

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530122515  
Test ID: ,004  
Test Abbreviation: ,MANUAL\_004\_G  
Start Date: ,02/19/2015  
Start Time: ,10:32:09  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.037  
,Minimum: ,0.032  
,Time of Minimum: ,10:47:09  
,Date of Minimum: ,02/19/2015  
,Maximum: ,0.053  
,Time of Maximum: ,10:34:09  
,Date of Maximum: ,02/19/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/19/2015,10:33:09,0.046  
02/19/2015,10:34:09,0.053  
02/19/2015,10:35:09,0.033  
02/19/2015,10:36:09,0.036  
02/19/2015,10:37:09,0.038  
02/19/2015,10:38:09,0.034  
02/19/2015,10:39:09,0.035  
02/19/2015,10:40:09,0.036  
02/19/2015,10:41:09,0.034  
02/19/2015,10:42:09,0.033  
02/19/2015,10:43:09,0.033  
02/19/2015,10:44:09,0.035  
02/19/2015,10:45:09,0.037  
02/19/2015,10:46:09,0.041  
02/19/2015,10:47:09,0.032

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530122515  
Test ID: ,004  
Test Abbreviation: ,MANUAL\_004\_H  
Start Date: ,02/19/2015  
Start Time: ,12:25:05  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.036  
,Minimum: ,0.033  
,Time of Minimum: ,12:35:05

,Date of Minimum:,02/19/2015  
,Maximum:,0.043  
,Time of Maximum:,12:26:05  
,Date of Maximum:,02/19/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m^3  
02/19/2015,12:26:05,0.043  
02/19/2015,12:27:05,0.040  
02/19/2015,12:28:05,0.036  
02/19/2015,12:29:05,0.036  
02/19/2015,12:30:05,0.035  
02/19/2015,12:31:05,0.034  
02/19/2015,12:32:05,0.034  
02/19/2015,12:33:05,0.034  
02/19/2015,12:34:05,0.034  
02/19/2015,12:35:05,0.033  
02/19/2015,12:36:05,0.035  
02/19/2015,12:37:05,0.036  
02/19/2015,12:38:05,0.036  
02/19/2015,12:39:05,0.039  
02/19/2015,12:40:05,0.037

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_I  
Start Date:,02/19/2015  
Start Time:,12:42:03  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m^3  
,Average:,0.035  
,Minimum:,0.029  
,Time of Minimum:,12:57:03  
,Date of Minimum:,02/19/2015  
,Maximum:,0.049  
,Time of Maximum:,12:43:03  
,Date of Maximum:,02/19/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m^3  
02/19/2015,12:43:03,0.049  
02/19/2015,12:44:03,0.036  
02/19/2015,12:45:03,0.037  
02/19/2015,12:46:03,0.034  
02/19/2015,12:47:03,0.043  
02/19/2015,12:48:03,0.033  
02/19/2015,12:49:03,0.032  
02/19/2015,12:50:03,0.031  
02/19/2015,12:51:03,0.034  
02/19/2015,12:52:03,0.033

02/19/2015,12:53:03,0.036  
02/19/2015,12:54:03,0.031  
02/19/2015,12:55:03,0.042  
02/19/2015,12:56:03,0.032  
02/19/2015,12:57:03,0.029

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_J  
Start Date:,02/19/2015  
Start Time:,13:55:51  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.037  
,Minimum:,0.029  
,Time of Minimum:,14:07:51  
,Date of Minimum:,02/19/2015  
,Maximum:,0.080  
,Time of Maximum:,14:01:51  
,Date of Maximum:,02/19/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/19/2015,13:56:51,0.041  
02/19/2015,13:57:51,0.031  
02/19/2015,13:58:51,0.031  
02/19/2015,13:59:51,0.032  
02/19/2015,14:00:51,0.037  
02/19/2015,14:01:51,0.080  
02/19/2015,14:02:51,0.032  
02/19/2015,14:03:51,0.035  
02/19/2015,14:04:51,0.036  
02/19/2015,14:05:51,0.033  
02/19/2015,14:06:51,0.035  
02/19/2015,14:07:51,0.029  
02/19/2015,14:08:51,0.033  
02/19/2015,14:09:51,0.045  
02/19/2015,14:10:51,0.032

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_K  
Start Date:,02/19/2015  
Start Time:,14:24:56  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>

,Average:,0.033  
,Minimum:,0.029  
,Time of Minimum:,14:26:56  
,Date of Minimum:,02/19/2015  
,Maximum:,0.040  
,Time of Maximum:,14:35:56  
,Date of Maximum:,02/19/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
02/19/2015,14:25:56,0.038  
02/19/2015,14:26:56,0.029  
02/19/2015,14:27:56,0.030  
02/19/2015,14:28:56,0.034  
02/19/2015,14:29:56,0.034  
02/19/2015,14:30:56,0.039  
02/19/2015,14:31:56,0.031  
02/19/2015,14:32:56,0.029  
02/19/2015,14:33:56,0.036  
02/19/2015,14:34:56,0.031  
02/19/2015,14:35:56,0.040  
02/19/2015,14:36:56,0.032  
02/19/2015,14:37:56,0.032  
02/19/2015,14:38:56,0.031  
02/19/2015,14:39:56,0.035

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_L  
Start Date:,02/19/2015  
Start Time:,14:59:47  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.033  
,Minimum:,0.029  
,Time of Minimum:,15:13:47  
,Date of Minimum:,02/19/2015  
,Maximum:,0.038  
,Time of Maximum:,15:02:47  
,Date of Maximum:,02/19/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
02/19/2015,15:00:47,0.033  
02/19/2015,15:01:47,0.034  
02/19/2015,15:02:47,0.038  
02/19/2015,15:03:47,0.032  
02/19/2015,15:04:47,0.030  
02/19/2015,15:05:47,0.032  
02/19/2015,15:06:47,0.035

2-19-15 Downwind-2 Dust.txt

02/19/2015,15:07:47,0.033  
02/19/2015,15:08:47,0.030  
02/19/2015,15:09:47,0.035  
02/19/2015,15:10:47,0.030  
02/19/2015,15:11:47,0.036  
02/19/2015,15:12:47,0.030  
02/19/2015,15:13:47,0.029  
02/19/2015,15:14:47,0.034

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530122515  
Test ID: ,004  
Test Abbreviation: ,MANUAL\_004\_M  
Start Date: ,02/19/2015  
Start Time: ,15:29:10  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.041  
,Minimum: ,0.028  
,Time of Minimum: ,15:39:10  
,Date of Minimum: ,02/19/2015  
,Maximum: ,0.115  
,Time of Maximum: ,15:30:10  
,Date of Maximum: ,02/19/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/19/2015,15:30:10,0.115  
02/19/2015,15:31:10,0.035  
02/19/2015,15:32:10,0.037  
02/19/2015,15:33:10,0.035  
02/19/2015,15:34:10,0.031  
02/19/2015,15:35:10,0.035  
02/19/2015,15:36:10,0.044  
02/19/2015,15:37:10,0.039  
02/19/2015,15:38:10,0.036  
02/19/2015,15:39:10,0.028  
02/19/2015,15:40:10,0.031  
02/19/2015,15:41:10,0.031  
02/19/2015,15:42:10,0.033  
02/19/2015,15:43:10,0.038  
02/19/2015,15:44:10,0.045

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,02/19/2015  
Start Time:,08:17:05  
Duration (dd:hh:mm:ss):,0:07:55:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.018  
,Minimum:,0.000  
,Time of Minimum:,16:12:32  
,Date of Minimum:,02/19/2015  
,Maximum:,0.024  
,Time of Maximum:,14:47:05  
,Date of Maximum:,02/19/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/19/2015,08:32:05,0.022  
02/19/2015,08:47:05,0.022  
02/19/2015,09:02:05,0.017  
02/19/2015,09:17:05,0.015  
02/19/2015,09:32:05,0.016  
02/19/2015,09:47:05,0.016  
02/19/2015,10:02:05,0.018  
02/19/2015,10:17:05,0.018  
02/19/2015,10:32:05,0.017  
02/19/2015,10:47:05,0.017  
02/19/2015,11:02:05,0.020  
02/19/2015,11:17:05,0.020  
02/19/2015,11:32:05,0.017  
02/19/2015,11:47:05,0.018  
02/19/2015,12:02:05,0.019  
02/19/2015,12:17:05,0.018  
02/19/2015,12:32:05,0.021  
02/19/2015,12:47:05,0.019  
02/19/2015,13:02:05,0.018  
02/19/2015,13:17:05,0.021  
02/19/2015,13:32:05,0.017  
02/19/2015,13:47:05,0.018  
02/19/2015,14:02:05,0.016  
02/19/2015,14:17:05,0.017  
02/19/2015,14:32:05,0.017  
02/19/2015,14:47:05,0.024  
02/19/2015,15:02:05,0.019  
02/19/2015,15:17:05,0.018  
02/19/2015,15:32:05,0.018  
02/19/2015,16:12:32,0.000

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315

2-19-15 Upwind Dust.txt

Test ID:,004  
Test Abbreviation:,MANUAL\_004\_A  
Start Date:,02/19/2015  
Start Time:,08:17:06  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.022  
,Minimum:,0.017  
,Time of Minimum:,08:24:06  
,Date of Minimum:,02/19/2015  
,Maximum:,0.037  
,Time of Maximum:,08:18:06  
,Date of Maximum:,02/19/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/19/2015,08:18:06,0.037  
02/19/2015,08:19:06,0.029  
02/19/2015,08:20:06,0.020  
02/19/2015,08:21:06,0.021  
02/19/2015,08:22:06,0.018  
02/19/2015,08:23:06,0.022  
02/19/2015,08:24:06,0.017  
02/19/2015,08:25:06,0.019  
02/19/2015,08:26:06,0.020  
02/19/2015,08:27:06,0.019  
02/19/2015,08:28:06,0.021  
02/19/2015,08:29:06,0.020  
02/19/2015,08:30:06,0.020  
02/19/2015,08:31:06,0.018  
02/19/2015,08:32:06,0.029

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_B  
Start Date:,02/19/2015  
Start Time:,14:34:25  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.025  
,Minimum:,0.015  
,Time of Minimum:,14:40:25  
,Date of Minimum:,02/19/2015  
,Maximum:,0.041  
,Time of Maximum:,14:45:25  
,Date of Maximum:,02/19/2015

Calibration,Sensor:,AEROSOL

,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
02/19/2015,14:35:25,0.039  
02/19/2015,14:36:25,0.016  
02/19/2015,14:37:25,0.016  
02/19/2015,14:38:25,0.017  
02/19/2015,14:39:25,0.017  
02/19/2015,14:40:25,0.015  
02/19/2015,14:41:25,0.018  
02/19/2015,14:42:25,0.018  
02/19/2015,14:43:25,0.029  
02/19/2015,14:44:25,0.040  
02/19/2015,14:45:25,0.041  
02/19/2015,14:46:25,0.040  
02/19/2015,14:47:25,0.026  
02/19/2015,14:48:25,0.021  
02/19/2015,14:49:25,0.019

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_C  
Start Date:,02/19/2015  
Start Time:,14:56:40  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.019  
,Minimum:,0.013  
,Time of Minimum:,15:08:40  
,Date of Minimum:,02/19/2015  
,Maximum:,0.027  
,Time of Maximum:,15:06:40  
,Date of Maximum:,02/19/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
02/19/2015,14:57:40,0.021  
02/19/2015,14:58:40,0.015  
02/19/2015,14:59:40,0.016  
02/19/2015,15:00:40,0.021  
02/19/2015,15:01:40,0.020  
02/19/2015,15:02:40,0.025  
02/19/2015,15:03:40,0.020  
02/19/2015,15:04:40,0.022  
02/19/2015,15:05:40,0.016  
02/19/2015,15:06:40,0.027  
02/19/2015,15:07:40,0.017  
02/19/2015,15:08:40,0.013  
02/19/2015,15:09:40,0.015  
02/19/2015,15:10:40,0.014  
02/19/2015,15:11:40,0.019



TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,005  
Test Abbreviation:,MANUAL\_005  
Start Date:,02/20/2015  
Start Time:,08:19:06  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.030  
,Minimum:,0.022  
,Time of Minimum:,08:34:06  
,Date of Minimum:,02/20/2015  
,Maximum:,0.041  
,Time of Maximum:,09:49:06  
,Date of Maximum:,02/20/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/20/2015,08:34:06,0.022  
02/20/2015,08:49:06,0.024  
02/20/2015,09:04:06,0.028  
02/20/2015,09:19:06,0.027  
02/20/2015,09:34:06,0.030  
02/20/2015,09:49:06,0.041  
02/20/2015,10:04:06,0.027  
02/20/2015,10:19:06,0.022  
02/20/2015,10:34:06,0.025  
02/20/2015,10:49:06,0.026  
02/20/2015,11:04:06,0.029  
02/20/2015,11:19:06,0.029  
02/20/2015,11:34:06,0.029  
02/20/2015,11:49:06,0.027  
02/20/2015,12:04:06,0.034  
02/20/2015,12:19:06,0.032  
02/20/2015,12:34:06,0.032  
02/20/2015,12:49:06,0.032  
02/20/2015,13:04:06,0.031  
02/20/2015,13:19:06,0.036  
02/20/2015,13:34:06,0.036  
02/20/2015,13:49:06,0.035  
02/20/2015,14:04:06,0.035  
02/20/2015,14:19:06,0.031  
02/20/2015,14:34:06,0.032  
02/20/2015,14:49:06,0.035  
02/20/2015,15:04:06,0.032  
02/20/2015,15:19:06,0.031  
02/20/2015,15:34:06,0.032

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,005

Test Abbreviation:,MANUAL\_005\_A  
Start Date:,02/20/2015  
Start Time:,08:30:33  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.026  
,Minimum:,0.021  
,Time of Minimum:,08:36:33  
,Date of Minimum:,02/20/2015  
,Maximum:,0.049  
,Time of Maximum:,08:31:33  
,Date of Maximum:,02/20/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/20/2015,08:31:33,0.049  
02/20/2015,08:32:33,0.023  
02/20/2015,08:33:33,0.025  
02/20/2015,08:34:33,0.024  
02/20/2015,08:35:33,0.022  
02/20/2015,08:36:33,0.021  
02/20/2015,08:37:33,0.022  
02/20/2015,08:38:33,0.022  
02/20/2015,08:39:33,0.025  
02/20/2015,08:40:33,0.024  
02/20/2015,08:41:33,0.025  
02/20/2015,08:42:33,0.024  
02/20/2015,08:43:33,0.023  
02/20/2015,08:44:33,0.026  
02/20/2015,08:45:33,0.028

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_B  
Start Date:,02/20/2015  
Start Time:,09:46:56  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.038  
,Minimum:,0.023  
,Time of Minimum:,09:49:56  
,Date of Minimum:,02/20/2015  
,Maximum:,0.182  
,Time of Maximum:,09:47:56  
,Date of Maximum:,02/20/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

2-20-15 Downwind-1 Dust.txt

```
Date,Time,AEROSOL
MM/dd/yyyy, hh:mm:ss,mg/m^3
02/20/2015,09:47:56,0.182
02/20/2015,09:48:56,0.025
02/20/2015,09:49:56,0.023
02/20/2015,09:50:56,0.029
02/20/2015,09:51:56,0.029
02/20/2015,09:52:56,0.026
02/20/2015,09:53:56,0.027
02/20/2015,09:54:56,0.024
02/20/2015,09:55:56,0.023
02/20/2015,09:56:56,0.035
02/20/2015,09:57:56,0.030
02/20/2015,09:58:56,0.035
02/20/2015,09:59:56,0.031
02/20/2015,10:00:56,0.024
02/20/2015,10:01:56,0.023
```

2-20-15 Downwind-1 VOC.txt

15/02/20 08:23

\*\*\*\*\*

Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Battery Low  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 2/20/2015 08:23:21  
 End 2/20/2015 15:26:27  
 Sample Period(s) 900  
 Number of Records 28  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 50.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 43.476  
 TWA Alarm 43.476  
 Measurement Gas Isobutylene  
 Calibration Time 2/20/2015 07:53  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

\*\*\*\*\*

Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	2/20/2015 08:38:21	0.017	0.124
002	2/20/2015 08:53:21	0.007	0.022
003	2/20/2015 09:08:21	0.024	0.045
004	2/20/2015 09:23:21	0.043	0.070
005	2/20/2015 09:38:21	0.058	0.071
006	2/20/2015 09:53:21	0.068	0.083
007	2/20/2015 10:08:21	0.075	0.083
008	2/20/2015 10:23:21	0.074	0.081
009	2/20/2015 10:38:21	0.074	0.080
010	2/20/2015 10:53:21	0.075	0.101
011	2/20/2015 11:08:21	0.074	0.097
012	2/20/2015 11:23:21	0.071	0.083
013	2/20/2015 11:38:21	0.070	0.077
014	2/20/2015 11:53:21	0.071	0.078
015	2/20/2015 12:08:21	0.080	0.101
016	2/20/2015 12:23:21	0.084	0.103
017	2/20/2015 12:38:21	0.083	0.098
018	2/20/2015 12:53:21	0.079	0.095
019	2/20/2015 13:08:21	0.078	0.088
020	2/20/2015 13:23:21	0.087	0.118
021	2/20/2015 13:38:21	0.093	0.118

2-20-15 Downwind-1 VOC.txt

022	2/20/2015	13:53:21	0.097	0.113
023	2/20/2015	14:08:21	0.099	0.119
024	2/20/2015	14:23:21	0.092	0.102
025	2/20/2015	14:38:21	0.092	0.104
026	2/20/2015	14:53:21	0.097	0.119
027	2/20/2015	15:08:21	0.099	0.115
028	2/20/2015	15:23:21	0.091	0.115
Peak		0.099	0.124	
Min		0.007	0.022	
Average		0.073	0.093	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,005  
Test Abbreviation:,MANUAL\_005  
Start Date:,02/20/2015  
Start Time:,08:12:59  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.025  
,Minimum:,0.020  
,Time of Minimum:,15:42:59  
,Date of Minimum:,02/20/2015  
,Maximum:,0.055  
,Time of Maximum:,08:27:59  
,Date of Maximum:,02/20/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/20/2015,08:27:59,0.055  
02/20/2015,08:42:59,0.021  
02/20/2015,08:57:59,0.022  
02/20/2015,09:12:59,0.025  
02/20/2015,09:27:59,0.025  
02/20/2015,09:42:59,0.026  
02/20/2015,09:57:59,0.039  
02/20/2015,10:12:59,0.023  
02/20/2015,10:27:59,0.022  
02/20/2015,10:42:59,0.021  
02/20/2015,10:57:59,0.022  
02/20/2015,11:12:59,0.022  
02/20/2015,11:27:59,0.024  
02/20/2015,11:42:59,0.024  
02/20/2015,11:57:59,0.025  
02/20/2015,12:12:59,0.029  
02/20/2015,12:27:59,0.024  
02/20/2015,12:42:59,0.027  
02/20/2015,12:57:59,0.025  
02/20/2015,13:12:59,0.028  
02/20/2015,13:27:59,0.024  
02/20/2015,13:42:59,0.024  
02/20/2015,13:57:59,0.022  
02/20/2015,14:12:59,0.021  
02/20/2015,14:27:59,0.021  
02/20/2015,14:42:59,0.022  
02/20/2015,14:57:59,0.023  
02/20/2015,15:12:59,0.021  
02/20/2015,15:27:59,0.021  
02/20/2015,15:42:59,0.020

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515

Test ID:,005  
Test Abbreviation:,MANUAL\_005\_A  
Start Date:,02/20/2015  
Start Time:,08:13:18  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.055  
,Minimum:,0.015  
,Time of Minimum:,08:21:18  
,Date of Minimum:,02/20/2015  
,Maximum:,0.585  
,Time of Maximum:,08:14:18  
,Date of Maximum:,02/20/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/20/2015,08:14:18,0.585  
02/20/2015,08:15:18,0.016  
02/20/2015,08:16:18,0.018  
02/20/2015,08:17:18,0.017  
02/20/2015,08:18:18,0.016  
02/20/2015,08:19:18,0.016  
02/20/2015,08:20:18,0.018  
02/20/2015,08:21:18,0.015  
02/20/2015,08:22:18,0.017  
02/20/2015,08:23:18,0.016  
02/20/2015,08:24:18,0.017  
02/20/2015,08:25:18,0.020  
02/20/2015,08:26:18,0.017  
02/20/2015,08:27:18,0.017  
02/20/2015,08:28:18,0.019

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_B  
Start Date:,02/20/2015  
Start Time:,09:43:52  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.035  
,Minimum:,0.020  
,Time of Minimum:,09:48:52  
,Date of Minimum:,02/20/2015  
,Maximum:,0.116  
,Time of Maximum:,09:44:52  
,Date of Maximum:,02/20/2015

Calibration,Sensor:,AEROSOL

,Cal. date,10/09/2014

Date	Time	AEROSOL
MM/dd/yyyy	hh:mm:ss	mg/m <sup>3</sup>
02/20/2015	09:44:52	0.116
02/20/2015	09:45:52	0.056
02/20/2015	09:46:52	0.024
02/20/2015	09:47:52	0.026
02/20/2015	09:48:52	0.020
02/20/2015	09:49:52	0.020
02/20/2015	09:50:52	0.024
02/20/2015	09:51:52	0.030
02/20/2015	09:52:52	0.034
02/20/2015	09:53:52	0.048
02/20/2015	09:54:52	0.024
02/20/2015	09:55:52	0.027
02/20/2015	09:56:52	0.034
02/20/2015	09:57:52	0.025
02/20/2015	09:58:52	0.022



TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530143315  
Test ID:.,005  
Test Abbreviation:.,MANUAL\_005  
Start Date:.,02/20/2015  
Start Time:.,08:22:54  
Duration (dd:hh:mm:ss):.,0:07:30:00  
Log Interval (mm:ss):.,15:00  
Number of points:.,30  
Notes:.,

Statistics,Channel:.,AEROSOL  
,Units:.,mg/m<sup>3</sup>  
,Average:.,0.020  
,Minimum:.,0.016  
,Time of Minimum:.,08:37:54  
,Date of Minimum:.,02/20/2015  
,Maximum:.,0.022  
,Time of Maximum:.,11:52:54  
,Date of Maximum:.,02/20/2015

Calibration,Sensor:.,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
02/20/2015,08:37:54,0.016  
02/20/2015,08:52:54,0.019  
02/20/2015,09:07:54,0.019  
02/20/2015,09:22:54,0.019  
02/20/2015,09:37:54,0.019  
02/20/2015,09:52:54,0.018  
02/20/2015,10:07:54,0.019  
02/20/2015,10:22:54,0.019  
02/20/2015,10:37:54,0.017  
02/20/2015,10:52:54,0.019  
02/20/2015,11:07:54,0.020  
02/20/2015,11:22:54,0.020  
02/20/2015,11:37:54,0.021  
02/20/2015,11:52:54,0.022  
02/20/2015,12:07:54,0.020  
02/20/2015,12:22:54,0.020  
02/20/2015,12:37:54,0.020  
02/20/2015,12:52:54,0.020  
02/20/2015,13:07:54,0.020  
02/20/2015,13:22:54,0.021  
02/20/2015,13:37:54,0.020  
02/20/2015,13:52:54,0.020  
02/20/2015,14:07:54,0.020  
02/20/2015,14:22:54,0.019  
02/20/2015,14:37:54,0.020  
02/20/2015,14:52:54,0.022  
02/20/2015,15:07:54,0.021  
02/20/2015,15:22:54,0.021  
02/20/2015,15:37:54,0.021  
02/20/2015,15:52:54,0.021

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,02/23/2015  
Start Time:,07:55:22  
Duration (dd:hh:mm:ss):,0:08:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,32  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.034  
,Minimum:,0.015  
,Time of Minimum:,08:10:22  
,Date of Minimum:,02/23/2015  
,Maximum:,0.056  
,Time of Maximum:,11:25:22  
,Date of Maximum:,02/23/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
02/23/2015,08:10:22,0.015  
02/23/2015,08:25:22,0.022  
02/23/2015,08:40:22,0.023  
02/23/2015,08:55:22,0.025  
02/23/2015,09:10:22,0.030  
02/23/2015,09:25:22,0.029  
02/23/2015,09:40:22,0.031  
02/23/2015,09:55:22,0.027  
02/23/2015,10:10:22,0.030  
02/23/2015,10:25:22,0.031  
02/23/2015,10:40:22,0.032  
02/23/2015,10:55:22,0.032  
02/23/2015,11:10:22,0.038  
02/23/2015,11:25:22,0.056  
02/23/2015,11:40:22,0.055  
02/23/2015,11:55:22,0.042  
02/23/2015,12:10:22,0.038  
02/23/2015,12:25:22,0.039  
02/23/2015,12:40:22,0.036  
02/23/2015,12:55:22,0.037  
02/23/2015,13:10:22,0.034  
02/23/2015,13:25:22,0.036  
02/23/2015,13:40:22,0.034  
02/23/2015,13:55:22,0.034  
02/23/2015,14:10:22,0.035  
02/23/2015,14:25:22,0.033  
02/23/2015,14:40:22,0.034  
02/23/2015,14:55:22,0.034  
02/23/2015,15:10:22,0.034  
02/23/2015,15:25:22,0.040  
02/23/2015,15:40:22,0.035  
02/23/2015,15:55:22,0.037

Model:,DustTrak II

Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,02/23/2015  
Start Time:,08:17:45  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.024  
,Minimum:,0.018  
,Time of Minimum:,08:20:45  
,Date of Minimum:,02/23/2015  
,Maximum:,0.041  
,Time of Maximum:,08:18:45  
,Date of Maximum:,02/23/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/23/2015,08:18:45,0.041  
02/23/2015,08:19:45,0.022  
02/23/2015,08:20:45,0.018  
02/23/2015,08:21:45,0.023  
02/23/2015,08:22:45,0.025  
02/23/2015,08:23:45,0.024  
02/23/2015,08:24:45,0.021  
02/23/2015,08:25:45,0.026  
02/23/2015,08:26:45,0.033  
02/23/2015,08:27:45,0.024  
02/23/2015,08:28:45,0.024  
02/23/2015,08:29:45,0.018  
02/23/2015,08:30:45,0.021  
02/23/2015,08:31:45,0.022  
02/23/2015,08:32:45,0.025

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_B  
Start Date:,02/23/2015  
Start Time:,08:56:57  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.030  
,Minimum:,0.023  
,Time of Minimum:,08:58:57  
,Date of Minimum:,02/23/2015  
,Maximum:,0.062  
,Time of Maximum:,09:04:57  
,Date of Maximum:,02/23/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
02/23/2015,08:57:57,0.027  
02/23/2015,08:58:57,0.023  
02/23/2015,08:59:57,0.026  
02/23/2015,09:00:57,0.032  
02/23/2015,09:01:57,0.030  
02/23/2015,09:02:57,0.027  
02/23/2015,09:03:57,0.030  
02/23/2015,09:04:57,0.062  
02/23/2015,09:05:57,0.027  
02/23/2015,09:06:57,0.028  
02/23/2015,09:07:57,0.028  
02/23/2015,09:08:57,0.028  
02/23/2015,09:09:57,0.027  
02/23/2015,09:10:57,0.025  
02/23/2015,09:11:57,0.023

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_C  
Start Date:,02/23/2015  
Start Time:,09:17:29  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.031  
,Minimum:,0.025  
,Time of Minimum:,09:24:29  
,Date of Minimum:,02/23/2015  
,Maximum:,0.051  
,Time of Maximum:,09:31:29  
,Date of Maximum:,02/23/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
02/23/2015,09:18:29,0.048  
02/23/2015,09:19:29,0.028  
02/23/2015,09:20:29,0.028  
02/23/2015,09:21:29,0.033  
02/23/2015,09:22:29,0.028  
02/23/2015,09:23:29,0.031  
02/23/2015,09:24:29,0.025  
02/23/2015,09:25:29,0.026  
02/23/2015,09:26:29,0.028  
02/23/2015,09:27:29,0.031  
02/23/2015,09:28:29,0.032  
02/23/2015,09:29:29,0.026  
02/23/2015,09:30:29,0.026  
02/23/2015,09:31:29,0.051

02/23/2015,09:32:29,0.029

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530141112  
Test ID:.,001  
Test Abbreviation:.,MANUAL\_001\_D  
Start Date:.,02/23/2015  
Start Time:.,10:11:03  
Duration (dd:hh:mm:ss):.,0:00:15:00  
Log Interval (mm:ss):.,01:00  
Number of points:.,15  
Notes:.,

Statistics,Channel:.,AEROSOL  
,Units:.,mg/m^3  
,Average:.,0.031  
,Minimum:.,0.025  
,Time of Minimum:.,10:13:03  
,Date of Minimum:.,02/23/2015  
,Maximum:.,0.039  
,Time of Maximum:.,10:17:03  
,Date of Maximum:.,02/23/2015

Calibration,Sensor:.,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m^3  
02/23/2015,10:12:03,0.031  
02/23/2015,10:13:03,0.025  
02/23/2015,10:14:03,0.034  
02/23/2015,10:15:03,0.028  
02/23/2015,10:16:03,0.030  
02/23/2015,10:17:03,0.039  
02/23/2015,10:18:03,0.030  
02/23/2015,10:19:03,0.032  
02/23/2015,10:20:03,0.029  
02/23/2015,10:21:03,0.032  
02/23/2015,10:22:03,0.027  
02/23/2015,10:23:03,0.031  
02/23/2015,10:24:03,0.028  
02/23/2015,10:25:03,0.037  
02/23/2015,10:26:03,0.029

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530141112  
Test ID:.,001  
Test Abbreviation:.,MANUAL\_001\_E  
Start Date:.,02/23/2015  
Start Time:.,10:27:41  
Duration (dd:hh:mm:ss):.,0:00:15:00  
Log Interval (mm:ss):.,01:00  
Number of points:.,15  
Notes:.,

Statistics,Channel:.,AEROSOL  
,Units:.,mg/m^3  
,Average:.,0.031  
,Minimum:.,0.027  
,Time of Minimum:.,10:35:41  
,Date of Minimum:.,02/23/2015

,Maximum:,0.048  
,Time of Maximum:,10:28:41  
,Date of Maximum:,02/23/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
02/23/2015,10:28:41,0.048  
02/23/2015,10:29:41,0.032  
02/23/2015,10:30:41,0.031  
02/23/2015,10:31:41,0.028  
02/23/2015,10:32:41,0.029  
02/23/2015,10:33:41,0.032  
02/23/2015,10:34:41,0.032  
02/23/2015,10:35:41,0.027  
02/23/2015,10:36:41,0.029  
02/23/2015,10:37:41,0.030  
02/23/2015,10:38:41,0.032  
02/23/2015,10:39:41,0.029  
02/23/2015,10:40:41,0.031  
02/23/2015,10:41:41,0.029  
02/23/2015,10:42:41,0.027

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_F  
Start Date:,02/23/2015  
Start Time:,10:46:42  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.035  
,Minimum:,0.029  
,Time of Minimum:,10:48:42  
,Date of Minimum:,02/23/2015  
,Maximum:,0.043  
,Time of Maximum:,10:55:42  
,Date of Maximum:,02/23/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
02/23/2015,10:47:42,0.035  
02/23/2015,10:48:42,0.029  
02/23/2015,10:49:42,0.030  
02/23/2015,10:50:42,0.039  
02/23/2015,10:51:42,0.029  
02/23/2015,10:52:42,0.031  
02/23/2015,10:53:42,0.032  
02/23/2015,10:54:42,0.032  
02/23/2015,10:55:42,0.043  
02/23/2015,10:56:42,0.033  
02/23/2015,10:57:42,0.033

02/23/2015,10:58:42,0.038  
02/23/2015,10:59:42,0.038  
02/23/2015,11:00:42,0.035  
02/23/2015,11:01:42,0.040

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_G  
Start Date:,02/23/2015  
Start Time:,11:17:19  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.067  
,Minimum:,0.037  
,Time of Minimum:,11:25:19  
,Date of Minimum:,02/23/2015  
,Maximum:,0.240  
,Time of Maximum:,11:23:19  
,Date of Maximum:,02/23/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/23/2015,11:18:19,0.043  
02/23/2015,11:19:19,0.044  
02/23/2015,11:20:19,0.040  
02/23/2015,11:21:19,0.041  
02/23/2015,11:22:19,0.073  
02/23/2015,11:23:19,0.240  
02/23/2015,11:24:19,0.053  
02/23/2015,11:25:19,0.037  
02/23/2015,11:26:19,0.052  
02/23/2015,11:27:19,0.039  
02/23/2015,11:28:19,0.040  
02/23/2015,11:29:19,0.038  
02/23/2015,11:30:19,0.056  
02/23/2015,11:31:19,0.048  
02/23/2015,11:32:19,0.158

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_H  
Start Date:,02/23/2015  
Start Time:,11:32:51  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.045

,Minimum:,0.038  
,Time of Minimum:,11:46:51  
,Date of Minimum:,02/23/2015  
,Maximum:,0.059  
,Time of Maximum:,11:36:51  
,Date of Maximum:,02/23/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
02/23/2015,11:33:51,0.057  
02/23/2015,11:34:51,0.039  
02/23/2015,11:35:51,0.040  
02/23/2015,11:36:51,0.059  
02/23/2015,11:37:51,0.044  
02/23/2015,11:38:51,0.042  
02/23/2015,11:39:51,0.058  
02/23/2015,11:40:51,0.045  
02/23/2015,11:41:51,0.052  
02/23/2015,11:42:51,0.041  
02/23/2015,11:43:51,0.039  
02/23/2015,11:44:51,0.044  
02/23/2015,11:45:51,0.039  
02/23/2015,11:46:51,0.038  
02/23/2015,11:47:51,0.039

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_I  
Start Date:,02/23/2015  
Start Time:,11:50:23  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.040  
,Minimum:,0.033  
,Time of Minimum:,12:05:23  
,Date of Minimum:,02/23/2015  
,Maximum:,0.050  
,Time of Maximum:,11:51:23  
,Date of Maximum:,02/23/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
02/23/2015,11:51:23,0.050  
02/23/2015,11:52:23,0.037  
02/23/2015,11:53:23,0.040  
02/23/2015,11:54:23,0.037  
02/23/2015,11:55:23,0.050  
02/23/2015,11:56:23,0.040  
02/23/2015,11:57:23,0.043  
02/23/2015,11:58:23,0.038



2-23-15 Downwind-1 Dust.txt

02/23/2015,11:59:23,0.041  
02/23/2015,12:00:23,0.040  
02/23/2015,12:01:23,0.043  
02/23/2015,12:02:23,0.037  
02/23/2015,12:03:23,0.034  
02/23/2015,12:04:23,0.035  
02/23/2015,12:05:23,0.033

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_J  
Start Date:,02/23/2015  
Start Time:,12:22:25  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.037  
,Minimum:,0.033  
,Time of Minimum:,12:31:25  
,Date of Minimum:,02/23/2015  
,Maximum:,0.047  
,Time of Maximum:,12:35:25  
,Date of Maximum:,02/23/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/23/2015,12:23:25,0.044  
02/23/2015,12:24:25,0.037  
02/23/2015,12:25:25,0.034  
02/23/2015,12:26:25,0.034  
02/23/2015,12:27:25,0.035  
02/23/2015,12:28:25,0.035  
02/23/2015,12:29:25,0.035  
02/23/2015,12:30:25,0.034  
02/23/2015,12:31:25,0.033  
02/23/2015,12:32:25,0.038  
02/23/2015,12:33:25,0.041  
02/23/2015,12:34:25,0.041  
02/23/2015,12:35:25,0.047  
02/23/2015,12:36:25,0.033  
02/23/2015,12:37:25,0.033

2-23-15 Downwind-1 VOC.txt

15/02/23 08:00

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 2/23/2015 08:00:17  
 End 2/23/2015 16:13:22  
 Sample Period(s) 900  
 Number of Records 32  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 50.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 43.476  
 TWA Alarm 43.476  
 Measurement Gas Isobutylene  
 Calibration Time 2/23/2015 07:42  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	2/23/2015 08:15:17	0.005	0.176
002	2/23/2015 08:30:17	0.000	0.000
003	2/23/2015 08:45:17	0.000	0.000
004	2/23/2015 09:00:17	0.000	0.000
005	2/23/2015 09:15:17	0.000	0.000
006	2/23/2015 09:30:17	0.000	0.000
007	2/23/2015 09:45:17	0.000	0.015
008	2/23/2015 10:00:17	0.000	0.007
009	2/23/2015 10:15:17	0.002	0.019
010	2/23/2015 10:30:17	0.001	0.011
011	2/23/2015 10:45:17	0.001	0.017
012	2/23/2015 11:00:17	0.001	0.018
013	2/23/2015 11:15:17	0.006	0.031
014	2/23/2015 11:30:17	0.010	0.035
015	2/23/2015 11:45:17	0.022	0.065
016	2/23/2015 12:00:17	0.019	0.073
017	2/23/2015 12:15:17	0.020	0.050
018	2/23/2015 12:30:17	0.019	0.062
019	2/23/2015 12:45:17	0.007	0.030
020	2/23/2015 13:00:17	0.003	0.019
021	2/23/2015 13:15:17	0.000	0.013

2-23-15 Downwind-1 VOC.txt

022	2/23/2015	13:30:17	0.000	0.008
023	2/23/2015	13:45:17	0.000	0.004
024	2/23/2015	14:00:17	0.000	0.009
025	2/23/2015	14:15:17	0.005	0.020
026	2/23/2015	14:30:17	0.000	0.014
027	2/23/2015	14:45:17	0.002	0.016
028	2/23/2015	15:00:17	0.003	0.014
029	2/23/2015	15:15:17	0.005	0.013
030	2/23/2015	15:30:17	0.015	0.069
031	2/23/2015	15:45:17	0.004	0.015
032	2/23/2015	16:00:17	0.006	0.024
Peak			0.022	0.176
Min			0.000	0.000
Average			0.005	0.026

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,02/23/2015  
Start Time:,07:55:39  
Duration (dd:hh:mm:ss):,0:08:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,32  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.025  
,Minimum:,0.021  
,Time of Minimum:,08:10:39  
,Date of Minimum:,02/23/2015  
,Maximum:,0.030  
,Time of Maximum:,11:40:39  
,Date of Maximum:,02/23/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
02/23/2015,08:10:39,0.021  
02/23/2015,08:25:39,0.021  
02/23/2015,08:40:39,0.021  
02/23/2015,08:55:39,0.022  
02/23/2015,09:10:39,0.023  
02/23/2015,09:25:39,0.027  
02/23/2015,09:40:39,0.026  
02/23/2015,09:55:39,0.025  
02/23/2015,10:10:39,0.027  
02/23/2015,10:25:39,0.024  
02/23/2015,10:40:39,0.024  
02/23/2015,10:55:39,0.024  
02/23/2015,11:10:39,0.026  
02/23/2015,11:25:39,0.029  
02/23/2015,11:40:39,0.030  
02/23/2015,11:55:39,0.026  
02/23/2015,12:10:39,0.027  
02/23/2015,12:25:39,0.026  
02/23/2015,12:40:39,0.026  
02/23/2015,12:55:39,0.026  
02/23/2015,13:10:39,0.026  
02/23/2015,13:25:39,0.025  
02/23/2015,13:40:39,0.026  
02/23/2015,13:55:39,0.026  
02/23/2015,14:10:39,0.025  
02/23/2015,14:25:39,0.026  
02/23/2015,14:40:39,0.024  
02/23/2015,14:55:39,0.024  
02/23/2015,15:10:39,0.023  
02/23/2015,15:25:39,0.024  
02/23/2015,15:40:39,0.024  
02/23/2015,15:55:39,0.024

Model:,DustTrak II

Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,02/23/2015  
Start Time:,07:55:40  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.021  
,Minimum:,0.017  
,Time of Minimum:,08:03:40  
,Date of Minimum:,02/23/2015  
,Maximum:,0.027  
,Time of Maximum:,07:56:40  
,Date of Maximum:,02/23/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/23/2015,07:56:40,0.027  
02/23/2015,07:57:40,0.020  
02/23/2015,07:58:40,0.018  
02/23/2015,07:59:40,0.019  
02/23/2015,08:00:40,0.024  
02/23/2015,08:01:40,0.023  
02/23/2015,08:02:40,0.019  
02/23/2015,08:03:40,0.017  
02/23/2015,08:04:40,0.020  
02/23/2015,08:05:40,0.021  
02/23/2015,08:06:40,0.027  
02/23/2015,08:07:40,0.023  
02/23/2015,08:08:40,0.018  
02/23/2015,08:09:40,0.021  
02/23/2015,08:10:40,0.017

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_B  
Start Date:,02/23/2015  
Start Time:,08:42:04  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.022  
,Minimum:,0.019  
,Time of Minimum:,08:47:04  
,Date of Minimum:,02/23/2015  
,Maximum:,0.031  
,Time of Maximum:,08:43:04  
,Date of Maximum:,02/23/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m^3  
02/23/2015,08:43:04,0.031  
02/23/2015,08:44:04,0.022  
02/23/2015,08:45:04,0.020  
02/23/2015,08:46:04,0.022  
02/23/2015,08:47:04,0.019  
02/23/2015,08:48:04,0.021  
02/23/2015,08:49:04,0.022  
02/23/2015,08:50:04,0.021  
02/23/2015,08:51:04,0.025  
02/23/2015,08:52:04,0.020  
02/23/2015,08:53:04,0.020  
02/23/2015,08:54:04,0.020  
02/23/2015,08:55:04,0.023  
02/23/2015,08:56:04,0.020  
02/23/2015,08:57:04,0.020

2-23-15 Downwind-2 VOC.txt

15/02/23 08:01

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Summary

Unit Name MiniRAE 3000(PGM-7320)  
Unit SN 592-904802  
Unit Firmware Ver V1.06A

Running Mode Hygiene Mode  
Measure Type Avg; Max  
Datalog Mode Continuous  
Datalog Type Auto  
Diagnostic Mode No  
Stop Reason Power Down

Site ID RAE00000  
User ID 00000001

Begin 2/23/2015 08:01:24  
End 2/23/2015 16:14:43  
Sample Period(s) 900  
Number of Records 32

Sensor VOC(ppm)  
Span 100  
Span 2 N/A  
Low Alarm 1  
High Alarm 5  
Over Alarm 15000  
STEL Alarm 10  
TWA Alarm 1  
Measurement Gas Is  
Calibration Time 2/23/2015 07:44  
Peak N/A  
Min N/A  
Average N/A

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	2/23/2015 08:16:24	0	4
002	2/23/2015 08:31:24	0	0
003	2/23/2015 08:46:24	0	0
004	2/23/2015 09:01:24	0	0
005	2/23/2015 09:16:24	0	0
006	2/23/2015 09:31:24	0	0
007	2/23/2015 09:46:24	0	0
008	2/23/2015 10:01:24	0	0
009	2/23/2015 10:16:24	0	0
010	2/23/2015 10:31:24	0	0
011	2/23/2015 10:46:24	0	0
012	2/23/2015 11:01:24	0	0
013	2/23/2015 11:16:24	0	0
014	2/23/2015 11:31:24	0	0
015	2/23/2015 11:46:24	0	0
016	2/23/2015 12:01:24	0	0
017	2/23/2015 12:16:24	0	0
018	2/23/2015 12:31:24	0	0
019	2/23/2015 12:46:24	0	0
020	2/23/2015 13:01:24	0	0
021	2/23/2015 13:16:24	0	0

2-23-15 Downwind-2 VOC.txt

022	2/23/2015	13:31:24	0	0
023	2/23/2015	13:46:24	0	0
024	2/23/2015	14:01:24	0	0
025	2/23/2015	14:16:24	0	0
026	2/23/2015	14:31:24	0	0
027	2/23/2015	14:46:24	0	0
028	2/23/2015	15:01:24	0	0
029	2/23/2015	15:16:24	0	0
030	2/23/2015	15:31:24	0	0
031	2/23/2015	15:46:24	0	0
032	2/23/2015	16:01:24	0	0
Peak	0	4		
Min	0	0		
Average	0	0		



TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,02/23/2015  
Start Time:,08:02:20  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.028  
,Minimum:,0.012  
,Time of Minimum:,08:17:20  
,Date of Minimum:,02/23/2015  
,Maximum:,0.046  
,Time of Maximum:,15:47:20  
,Date of Maximum:,02/23/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/23/2015,08:17:20,0.012  
02/23/2015,08:32:20,0.014  
02/23/2015,08:47:20,0.015  
02/23/2015,09:02:20,0.019  
02/23/2015,09:17:20,0.017  
02/23/2015,09:32:20,0.019  
02/23/2015,09:47:20,0.019  
02/23/2015,10:02:20,0.021  
02/23/2015,10:17:20,0.022  
02/23/2015,10:32:20,0.024  
02/23/2015,10:47:20,0.021  
02/23/2015,11:02:20,0.022  
02/23/2015,11:17:20,0.036  
02/23/2015,11:32:20,0.039  
02/23/2015,11:47:20,0.037  
02/23/2015,12:02:20,0.032  
02/23/2015,12:17:20,0.034  
02/23/2015,12:32:20,0.026  
02/23/2015,12:47:20,0.026  
02/23/2015,13:02:20,0.035  
02/23/2015,13:17:20,0.030  
02/23/2015,13:32:20,0.037  
02/23/2015,13:47:20,0.034  
02/23/2015,14:02:20,0.031  
02/23/2015,14:17:20,0.031  
02/23/2015,14:32:20,0.029  
02/23/2015,14:47:20,0.030  
02/23/2015,15:02:20,0.035  
02/23/2015,15:17:20,0.043  
02/23/2015,15:32:20,0.038  
02/23/2015,15:47:20,0.046

Model:,DustTrak II  
Model Number:,8530

2-23-15 Upwind Dust.txt

Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,02/23/2015  
Start Time:,10:12:21  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.024  
,Minimum:,0.018  
,Time of Minimum:,10:15:21  
,Date of Minimum:,02/23/2015  
,Maximum:,0.039  
,Time of Maximum:,10:13:21  
,Date of Maximum:,02/23/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/23/2015,10:13:21,0.039  
02/23/2015,10:14:21,0.022  
02/23/2015,10:15:21,0.018  
02/23/2015,10:16:21,0.018  
02/23/2015,10:17:21,0.019  
02/23/2015,10:18:21,0.028  
02/23/2015,10:19:21,0.028  
02/23/2015,10:20:21,0.018  
02/23/2015,10:21:21,0.020  
02/23/2015,10:22:21,0.018  
02/23/2015,10:23:21,0.018  
02/23/2015,10:24:21,0.019  
02/23/2015,10:25:21,0.033  
02/23/2015,10:26:21,0.035  
02/23/2015,10:27:21,0.033

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_B  
Start Date:,02/23/2015  
Start Time:,11:03:53  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.039  
,Minimum:,0.026  
,Time of Minimum:,11:13:53  
,Date of Minimum:,02/23/2015  
,Maximum:,0.060  
,Time of Maximum:,11:09:53  
,Date of Maximum:,02/23/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
02/23/2015,11:04:53,0.051  
02/23/2015,11:05:53,0.029  
02/23/2015,11:06:53,0.030  
02/23/2015,11:07:53,0.040  
02/23/2015,11:08:53,0.038  
02/23/2015,11:09:53,0.060  
02/23/2015,11:10:53,0.052  
02/23/2015,11:11:53,0.046  
02/23/2015,11:12:53,0.039  
02/23/2015,11:13:53,0.026  
02/23/2015,11:14:53,0.030  
02/23/2015,11:15:53,0.030  
02/23/2015,11:16:53,0.026  
02/23/2015,11:17:53,0.028  
02/23/2015,11:18:53,0.055

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_C  
Start Date:,02/23/2015  
Start Time:,11:23:37  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.042  
,Minimum:,0.029  
,Time of Minimum:,11:31:37  
,Date of Minimum:,02/23/2015  
,Maximum:,0.056  
,Time of Maximum:,11:28:37  
,Date of Maximum:,02/23/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
02/23/2015,11:24:37,0.043  
02/23/2015,11:25:37,0.054  
02/23/2015,11:26:37,0.039  
02/23/2015,11:27:37,0.031  
02/23/2015,11:28:37,0.056  
02/23/2015,11:29:37,0.051  
02/23/2015,11:30:37,0.049  
02/23/2015,11:31:37,0.029  
02/23/2015,11:32:37,0.037  
02/23/2015,11:33:37,0.053  
02/23/2015,11:34:37,0.044  
02/23/2015,11:35:37,0.038  
02/23/2015,11:36:37,0.030  
02/23/2015,11:37:37,0.052  
02/23/2015,11:38:37,0.032

2-23-15 Upwind Dust.txt

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_D  
Start Date:,02/23/2015  
Start Time:,11:45:25  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.035  
,Minimum:,0.024  
,Time of Minimum:,11:53:25  
,Date of Minimum:,02/23/2015  
,Maximum:,0.054  
,Time of Maximum:,11:46:25  
,Date of Maximum:,02/23/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/23/2015,11:46:25,0.054  
02/23/2015,11:47:25,0.036  
02/23/2015,11:48:25,0.031  
02/23/2015,11:49:25,0.045  
02/23/2015,11:50:25,0.047  
02/23/2015,11:51:25,0.026  
02/23/2015,11:52:25,0.026  
02/23/2015,11:53:25,0.024  
02/23/2015,11:54:25,0.025  
02/23/2015,11:55:25,0.053  
02/23/2015,11:56:25,0.025  
02/23/2015,11:57:25,0.033  
02/23/2015,11:58:25,0.034  
02/23/2015,11:59:25,0.036  
02/23/2015,12:00:25,0.026

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_E  
Start Date:,02/23/2015  
Start Time:,12:47:25  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.035  
,Minimum:,0.022  
,Time of Minimum:,12:58:25  
,Date of Minimum:,02/23/2015  
,Maximum:,0.064

,Time of Maximum:,12:48:25  
,Date of Maximum:,02/23/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/23/2015,12:48:25,0.064  
02/23/2015,12:49:25,0.023  
02/23/2015,12:50:25,0.029  
02/23/2015,12:51:25,0.036  
02/23/2015,12:52:25,0.060  
02/23/2015,12:53:25,0.026  
02/23/2015,12:54:25,0.048  
02/23/2015,12:55:25,0.030  
02/23/2015,12:56:25,0.032  
02/23/2015,12:57:25,0.023  
02/23/2015,12:58:25,0.022  
02/23/2015,12:59:25,0.026  
02/23/2015,13:00:25,0.034  
02/23/2015,13:01:25,0.022  
02/23/2015,13:02:25,0.047

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_F  
Start Date:,02/23/2015  
Start Time:,13:07:48  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.035  
,Minimum:,0.023  
,Time of Minimum:,13:09:48  
,Date of Minimum:,02/23/2015  
,Maximum:,0.086  
,Time of Maximum:,13:18:48  
,Date of Maximum:,02/23/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/23/2015,13:08:48,0.030  
02/23/2015,13:09:48,0.023  
02/23/2015,13:10:48,0.034  
02/23/2015,13:11:48,0.030  
02/23/2015,13:12:48,0.023  
02/23/2015,13:13:48,0.027  
02/23/2015,13:14:48,0.038  
02/23/2015,13:15:48,0.024  
02/23/2015,13:16:48,0.031  
02/23/2015,13:17:48,0.033  
02/23/2015,13:18:48,0.086  
02/23/2015,13:19:48,0.028

2-23-15 Upwind Dust.txt

02/23/2015,13:20:48,0.040  
02/23/2015,13:21:48,0.034  
02/23/2015,13:22:48,0.045

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530143315  
Test ID: ,001  
Test Abbreviation: ,MANUAL\_001\_G  
Start Date: ,02/23/2015  
Start Time: ,13:31:27  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m^3  
,Average: ,0.037  
,Minimum: ,0.023  
,Time of Minimum: ,13:35:27  
,Date of Minimum: ,02/23/2015  
,Maximum: ,0.064  
,Time of Maximum: ,13:32:27  
,Date of Maximum: ,02/23/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m^3  
02/23/2015,13:32:27,0.064  
02/23/2015,13:33:27,0.026  
02/23/2015,13:34:27,0.043  
02/23/2015,13:35:27,0.023  
02/23/2015,13:36:27,0.027  
02/23/2015,13:37:27,0.054  
02/23/2015,13:38:27,0.032  
02/23/2015,13:39:27,0.060  
02/23/2015,13:40:27,0.031  
02/23/2015,13:41:27,0.028  
02/23/2015,13:42:27,0.026  
02/23/2015,13:43:27,0.045  
02/23/2015,13:44:27,0.039  
02/23/2015,13:45:27,0.029  
02/23/2015,13:46:27,0.027

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530143315  
Test ID: ,001  
Test Abbreviation: ,MANUAL\_001\_H  
Start Date: ,02/23/2015  
Start Time: ,13:47:30  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m^3  
,Average: ,0.031  
,Minimum: ,0.021

2-23-15 Upwind Dust.txt

,Time of Minimum:,13:52:30  
,Date of Minimum:,02/23/2015  
,Maximum:,0.049  
,Time of Maximum:,13:53:30  
,Date of Maximum:,02/23/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
02/23/2015,13:48:30,0.036  
02/23/2015,13:49:30,0.032  
02/23/2015,13:50:30,0.023  
02/23/2015,13:51:30,0.029  
02/23/2015,13:52:30,0.021  
02/23/2015,13:53:30,0.049  
02/23/2015,13:54:30,0.028  
02/23/2015,13:55:30,0.027  
02/23/2015,13:56:30,0.034  
02/23/2015,13:57:30,0.037  
02/23/2015,13:58:30,0.034  
02/23/2015,13:59:30,0.032  
02/23/2015,14:00:30,0.028  
02/23/2015,14:01:30,0.027  
02/23/2015,14:02:30,0.028

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_I  
Start Date:,02/23/2015  
Start Time:,14:06:27  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.034  
,Minimum:,0.022  
,Time of Minimum:,14:11:27  
,Date of Minimum:,02/23/2015  
,Maximum:,0.058  
,Time of Maximum:,14:20:27  
,Date of Maximum:,02/23/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
02/23/2015,14:07:27,0.043  
02/23/2015,14:08:27,0.044  
02/23/2015,14:09:27,0.028  
02/23/2015,14:10:27,0.036  
02/23/2015,14:11:27,0.022  
02/23/2015,14:12:27,0.025  
02/23/2015,14:13:27,0.025  
02/23/2015,14:14:27,0.034  
02/23/2015,14:15:27,0.023

2-23-15 Upwind Dust.txt

02/23/2015,14:16:27,0.043  
02/23/2015,14:17:27,0.029  
02/23/2015,14:18:27,0.037  
02/23/2015,14:19:27,0.032  
02/23/2015,14:20:27,0.058  
02/23/2015,14:21:27,0.025

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_J  
Start Date:,02/23/2015  
Start Time:,14:44:53  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.033  
,Minimum:,0.021  
,Time of Minimum:,14:50:53  
,Date of Minimum:,02/23/2015  
,Maximum:,0.080  
,Time of Maximum:,14:59:53  
,Date of Maximum:,02/23/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/23/2015,14:45:53,0.035  
02/23/2015,14:46:53,0.028  
02/23/2015,14:47:53,0.024  
02/23/2015,14:48:53,0.025  
02/23/2015,14:49:53,0.022  
02/23/2015,14:50:53,0.021  
02/23/2015,14:51:53,0.028  
02/23/2015,14:52:53,0.024  
02/23/2015,14:53:53,0.029  
02/23/2015,14:54:53,0.038  
02/23/2015,14:55:53,0.027  
02/23/2015,14:56:53,0.051  
02/23/2015,14:57:53,0.037  
02/23/2015,14:58:53,0.029  
02/23/2015,14:59:53,0.080

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_K  
Start Date:,02/23/2015  
Start Time:,15:02:01  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL



2-23-15 Upwind Dust.txt

,Units:,mg/m<sup>3</sup>  
,Average:,0.046  
,Minimum:,0.021  
,Time of Minimum:,15:08:01  
,Date of Minimum:,02/23/2015  
,Maximum:,0.083  
,Time of Maximum:,15:03:01  
,Date of Maximum:,02/23/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/23/2015,15:03:01,0.083  
02/23/2015,15:04:01,0.026  
02/23/2015,15:05:01,0.027  
02/23/2015,15:06:01,0.027  
02/23/2015,15:07:01,0.042  
02/23/2015,15:08:01,0.021  
02/23/2015,15:09:01,0.075  
02/23/2015,15:10:01,0.037  
02/23/2015,15:11:01,0.041  
02/23/2015,15:12:01,0.063  
02/23/2015,15:13:01,0.055  
02/23/2015,15:14:01,0.076  
02/23/2015,15:15:01,0.032  
02/23/2015,15:16:01,0.045  
02/23/2015,15:17:01,0.037

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_L  
Start Date:,02/23/2015  
Start Time:,15:21:46  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.038  
,Minimum:,0.021  
,Time of Minimum:,15:27:46  
,Date of Minimum:,02/23/2015  
,Maximum:,0.058  
,Time of Maximum:,15:24:46  
,Date of Maximum:,02/23/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/23/2015,15:22:46,0.047  
02/23/2015,15:23:46,0.032  
02/23/2015,15:24:46,0.058  
02/23/2015,15:25:46,0.037  
02/23/2015,15:26:46,0.026  
02/23/2015,15:27:46,0.021

2-23-15 Upwind Dust.txt

02/23/2015,15:28:46,0.036  
02/23/2015,15:29:46,0.023  
02/23/2015,15:30:46,0.028  
02/23/2015,15:31:46,0.028  
02/23/2015,15:32:46,0.049  
02/23/2015,15:33:46,0.050  
02/23/2015,15:34:46,0.046  
02/23/2015,15:35:46,0.036  
02/23/2015,15:36:46,0.046

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530143315  
Test ID: ,001  
Test Abbreviation: ,MANUAL\_001\_M  
Start Date: ,02/23/2015  
Start Time: ,15:36:53  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.048  
,Minimum: ,0.025  
,Time of Minimum: ,15:39:53  
,Date of Minimum: ,02/23/2015  
,Maximum: ,0.109  
,Time of Maximum: ,15:43:53  
,Date of Maximum: ,02/23/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/23/2015,15:37:53,0.055  
02/23/2015,15:38:53,0.042  
02/23/2015,15:39:53,0.025  
02/23/2015,15:40:53,0.028  
02/23/2015,15:41:53,0.044  
02/23/2015,15:42:53,0.027  
02/23/2015,15:43:53,0.109  
02/23/2015,15:44:53,0.044  
02/23/2015,15:45:53,0.028  
02/23/2015,15:46:53,0.051  
02/23/2015,15:47:53,0.090  
02/23/2015,15:48:53,0.038  
02/23/2015,15:49:53,0.079  
02/23/2015,15:50:53,0.029  
02/23/2015,15:51:53,0.025

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,02/24/2015  
Start Time:,08:03:43  
Duration (dd:hh:mm:ss):,0:08:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,33  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.034  
,Minimum:,0.027  
,Time of Minimum:,14:03:43  
,Date of Minimum:,02/24/2015  
,Maximum:,0.042  
,Time of Maximum:,10:18:43  
,Date of Maximum:,02/24/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
02/24/2015,08:18:43,0.033  
02/24/2015,08:33:43,0.031  
02/24/2015,08:48:43,0.035  
02/24/2015,09:03:43,0.036  
02/24/2015,09:18:43,0.038  
02/24/2015,09:33:43,0.037  
02/24/2015,09:48:43,0.039  
02/24/2015,10:03:43,0.041  
02/24/2015,10:18:43,0.042  
02/24/2015,10:33:43,0.039  
02/24/2015,10:48:43,0.039  
02/24/2015,11:03:43,0.039  
02/24/2015,11:18:43,0.035  
02/24/2015,11:33:43,0.033  
02/24/2015,11:48:43,0.032  
02/24/2015,12:03:43,0.034  
02/24/2015,12:18:43,0.034  
02/24/2015,12:33:43,0.028  
02/24/2015,12:48:43,0.031  
02/24/2015,13:03:43,0.030  
02/24/2015,13:18:43,0.031  
02/24/2015,13:33:43,0.033  
02/24/2015,13:48:43,0.029  
02/24/2015,14:03:43,0.027  
02/24/2015,14:18:43,0.028  
02/24/2015,14:33:43,0.030  
02/24/2015,14:48:43,0.042  
02/24/2015,15:03:43,0.037  
02/24/2015,15:18:43,0.031  
02/24/2015,15:33:43,0.030  
02/24/2015,15:48:43,0.031  
02/24/2015,16:03:43,0.028  
02/24/2015,16:18:43,0.028

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530141112  
Test ID: ,002  
Test Abbreviation: ,MANUAL\_002\_A  
Start Date: ,02/24/2015  
Start Time: ,08:03:49  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.033  
,Minimum: ,0.027  
,Time of Minimum: ,08:07:49  
,Date of Minimum: ,02/24/2015  
,Maximum: ,0.055  
,Time of Maximum: ,08:04:49  
,Date of Maximum: ,02/24/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/24/2015,08:04:49,0.055  
02/24/2015,08:05:49,0.030  
02/24/2015,08:06:49,0.030  
02/24/2015,08:07:49,0.027  
02/24/2015,08:08:49,0.030  
02/24/2015,08:09:49,0.034  
02/24/2015,08:10:49,0.031  
02/24/2015,08:11:49,0.035  
02/24/2015,08:12:49,0.031  
02/24/2015,08:13:49,0.029  
02/24/2015,08:14:49,0.030  
02/24/2015,08:15:49,0.033  
02/24/2015,08:16:49,0.033  
02/24/2015,08:17:49,0.035  
02/24/2015,08:18:49,0.029

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530141112  
Test ID: ,002  
Test Abbreviation: ,MANUAL\_002\_B  
Start Date: ,02/24/2015  
Start Time: ,14:48:40  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.041  
,Minimum: ,0.031  
,Time of Minimum: ,15:01:40  
,Date of Minimum: ,02/24/2015  
,Maximum: ,0.110  
,Time of Maximum: ,14:49:40

,Date of Maximum:,02/24/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
02/24/2015,14:49:40,0.110  
02/24/2015,14:50:40,0.044  
02/24/2015,14:51:40,0.035  
02/24/2015,14:52:40,0.037  
02/24/2015,14:53:40,0.036  
02/24/2015,14:54:40,0.035  
02/24/2015,14:55:40,0.037  
02/24/2015,14:56:40,0.040  
02/24/2015,14:57:40,0.036  
02/24/2015,14:58:40,0.039  
02/24/2015,14:59:40,0.038  
02/24/2015,15:00:40,0.033  
02/24/2015,15:01:40,0.031  
02/24/2015,15:02:40,0.036  
02/24/2015,15:03:40,0.031

15/02/24 08:08

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 2/24/2015 08:08:48  
 End 2/24/2015 16:26:48  
 Sample Period(s) 900  
 Number of Records 33  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 50.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 43.476  
 TWA Alarm 43.476  
 Measurement Gas Isobutylene  
 Calibration Time 2/24/2015 07:39  
 Peak N/A  
 Min N/A  
 Average N/A  
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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	2/24/2015 08:23:48	0.017	0.148
002	2/24/2015 08:38:48	0.005	0.015
003	2/24/2015 08:53:48	0.018	0.036
004	2/24/2015 09:08:48	0.035	0.051
005	2/24/2015 09:23:48	0.053	0.067
006	2/24/2015 09:38:48	0.066	0.079
007	2/24/2015 09:53:48	0.080	0.113
008	2/24/2015 10:08:48	0.087	0.110
009	2/24/2015 10:23:48	0.090	0.100
010	2/24/2015 10:38:48	0.092	0.101
011	2/24/2015 10:53:48	0.095	0.103
012	2/24/2015 11:08:48	0.097	0.110
013	2/24/2015 11:23:48	0.092	0.104
014	2/24/2015 11:38:48	0.090	0.101
015	2/24/2015 11:53:48	0.089	0.096
016	2/24/2015 12:08:48	0.092	0.104
017	2/24/2015 12:23:48	0.094	0.111
018	2/24/2015 12:38:48	0.091	0.099
019	2/24/2015 12:53:48	0.085	0.094
020	2/24/2015 13:08:48	0.080	0.091
021	2/24/2015 13:23:48	0.081	0.089

2-24-15 Downwind-1 VOC.prs.txt

022	2/24/2015	13:38:48	0.082	0.097
023	2/24/2015	13:53:48	0.087	0.096
024	2/24/2015	14:08:48	0.090	0.102
025	2/24/2015	14:23:48	0.095	0.129
026	2/24/2015	14:38:48	0.095	0.106
027	2/24/2015	14:53:48	0.105	0.148
028	2/24/2015	15:08:48	0.107	0.129
029	2/24/2015	15:23:48	0.106	0.115
030	2/24/2015	15:38:48	0.104	0.119
031	2/24/2015	15:53:48	0.102	0.114
032	2/24/2015	16:08:48	0.105	0.114
033	2/24/2015	16:23:48	0.101	0.110
Peak		0.107	0.148	
Min		0.005	0.015	
Average		0.082	0.100	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,02/24/2015  
Start Time:,08:05:38  
Duration (dd:hh:mm:ss):,0:08:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,32  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.025  
,Minimum:,0.020  
,Time of Minimum:,12:35:38  
,Date of Minimum:,02/24/2015  
,Maximum:,0.029  
,Time of Maximum:,09:20:38  
,Date of Maximum:,02/24/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
02/24/2015,08:20:38,0.027  
02/24/2015,08:35:38,0.026  
02/24/2015,08:50:38,0.026  
02/24/2015,09:05:38,0.026  
02/24/2015,09:20:38,0.029  
02/24/2015,09:35:38,0.027  
02/24/2015,09:50:38,0.028  
02/24/2015,10:05:38,0.029  
02/24/2015,10:20:38,0.028  
02/24/2015,10:35:38,0.029  
02/24/2015,10:50:38,0.027  
02/24/2015,11:05:38,0.028  
02/24/2015,11:20:38,0.023  
02/24/2015,11:35:38,0.022  
02/24/2015,11:50:38,0.022  
02/24/2015,12:05:38,0.029  
02/24/2015,12:20:38,0.024  
02/24/2015,12:35:38,0.020  
02/24/2015,12:50:38,0.024  
02/24/2015,13:05:38,0.022  
02/24/2015,13:20:38,0.023  
02/24/2015,13:35:38,0.023  
02/24/2015,13:50:38,0.024  
02/24/2015,14:05:38,0.020  
02/24/2015,14:20:38,0.020  
02/24/2015,14:35:38,0.023  
02/24/2015,14:50:38,0.027  
02/24/2015,15:05:38,0.026  
02/24/2015,15:20:38,0.022  
02/24/2015,15:35:38,0.021  
02/24/2015,15:50:38,0.022  
02/24/2015,16:05:38,0.021

Model:,DustTrak II



Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_A  
Start Date:,02/24/2015  
Start Time:,08:05:39  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.027  
,Minimum:,0.023  
,Time of Minimum:,08:18:39  
,Date of Minimum:,02/24/2015  
,Maximum:,0.041  
,Time of Maximum:,08:06:39  
,Date of Maximum:,02/24/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/24/2015,08:06:39,0.041  
02/24/2015,08:07:39,0.025  
02/24/2015,08:08:39,0.027  
02/24/2015,08:09:39,0.031  
02/24/2015,08:10:39,0.026  
02/24/2015,08:11:39,0.027  
02/24/2015,08:12:39,0.026  
02/24/2015,08:13:39,0.024  
02/24/2015,08:14:39,0.026  
02/24/2015,08:15:39,0.024  
02/24/2015,08:16:39,0.024  
02/24/2015,08:17:39,0.024  
02/24/2015,08:18:39,0.023  
02/24/2015,08:19:39,0.024  
02/24/2015,08:20:39,0.026

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_B  
Start Date:,02/24/2015  
Start Time:,10:57:29  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.027  
,Minimum:,0.023  
,Time of Minimum:,11:01:29  
,Date of Minimum:,02/24/2015  
,Maximum:,0.074  
,Time of Maximum:,10:58:29  
,Date of Maximum:,02/24/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m^3  
02/24/2015,10:58:29,0.074  
02/24/2015,10:59:29,0.025  
02/24/2015,11:00:29,0.024  
02/24/2015,11:01:29,0.023  
02/24/2015,11:02:29,0.024  
02/24/2015,11:03:29,0.025  
02/24/2015,11:04:29,0.024  
02/24/2015,11:05:29,0.024  
02/24/2015,11:06:29,0.024  
02/24/2015,11:07:29,0.025  
02/24/2015,11:08:29,0.023  
02/24/2015,11:09:29,0.024  
02/24/2015,11:10:29,0.023  
02/24/2015,11:11:29,0.023  
02/24/2015,11:12:29,0.023

15/02/24 08:11

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-904802  
 Unit Firmware Ver V1.06A  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 2/24/2015 08:11:39  
 End 2/24/2015 16:22:47  
 Sample Period(s) 900  
 Number of Records 32  
 -----

Sensor VOC(ppm)  
 Span 100  
 Span 2 N/A  
 Low Alarm 1  
 High Alarm 5  
 Over Alarm 15000  
 STEL Alarm 10  
 TWA Alarm 1  
 Measurement Gas Isobutene  
 Calibration Time 2/24/2015 07:50  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	2/24/2015 08:26:39	1	7
002	2/24/2015 08:41:39	0	0
003	2/24/2015 08:56:39	0	0
004	2/24/2015 09:11:39	0	0
005	2/24/2015 09:26:39	0	0
006	2/24/2015 09:41:39	0	0
007	2/24/2015 09:56:39	0	0
008	2/24/2015 10:11:39	0	0
009	2/24/2015 10:26:39	0	0
010	2/24/2015 10:41:39	0	0
011	2/24/2015 10:56:39	0	0
012	2/24/2015 11:11:39	0	0
013	2/24/2015 11:26:39	0	0
014	2/24/2015 11:41:39	0	0
015	2/24/2015 11:56:39	0	0
016	2/24/2015 12:11:39	0	0
017	2/24/2015 12:26:39	0	0
018	2/24/2015 12:41:39	0	0
019	2/24/2015 12:56:39	0	0
020	2/24/2015 13:11:39	0	0
021	2/24/2015 13:26:39	0	0

	2-24-15 Downwind-2 VOC.prs.txt			
022	2/24/2015	13:41:39	0	0
023	2/24/2015	13:56:39	0	0
024	2/24/2015	14:11:39	0	0
025	2/24/2015	14:26:39	0	0
026	2/24/2015	14:41:39	0	0
027	2/24/2015	14:56:39	0	0
028	2/24/2015	15:11:39	0	0
029	2/24/2015	15:26:39	0	0
030	2/24/2015	15:41:39	0	0
031	2/24/2015	15:56:39	0	0
032	2/24/2015	16:11:39	0	0
Peak		1 7		
Min		0 0		
Average		0 0		

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,02/24/2015  
Start Time:,08:10:29  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.024  
,Minimum:,0.018  
,Time of Minimum:,14:10:29  
,Date of Minimum:,02/24/2015  
,Maximum:,0.030  
,Time of Maximum:,10:10:29  
,Date of Maximum:,02/24/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/24/2015,08:25:29,0.023  
02/24/2015,08:40:29,0.023  
02/24/2015,08:55:29,0.024  
02/24/2015,09:10:29,0.025  
02/24/2015,09:25:29,0.025  
02/24/2015,09:40:29,0.026  
02/24/2015,09:55:29,0.028  
02/24/2015,10:10:29,0.030  
02/24/2015,10:25:29,0.029  
02/24/2015,10:40:29,0.030  
02/24/2015,10:55:29,0.027  
02/24/2015,11:10:29,0.024  
02/24/2015,11:25:29,0.024  
02/24/2015,11:40:29,0.023  
02/24/2015,11:55:29,0.022  
02/24/2015,12:10:29,0.024  
02/24/2015,12:25:29,0.021  
02/24/2015,12:40:29,0.021  
02/24/2015,12:55:29,0.022  
02/24/2015,13:10:29,0.021  
02/24/2015,13:25:29,0.023  
02/24/2015,13:40:29,0.021  
02/24/2015,13:55:29,0.020  
02/24/2015,14:10:29,0.018  
02/24/2015,14:25:29,0.020  
02/24/2015,14:40:29,0.022  
02/24/2015,14:55:29,0.028  
02/24/2015,15:10:29,0.023  
02/24/2015,15:25:29,0.022  
02/24/2015,15:40:29,0.024  
02/24/2015,15:55:29,0.021

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,02/25/2015  
Start Time:,08:01:49  
Duration (dd:hh:mm:ss):,0:08:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,32  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.020  
,Minimum:,0.008  
,Time of Minimum:,08:16:49  
,Date of Minimum:,02/25/2015  
,Maximum:,0.032  
,Time of Maximum:,14:16:49  
,Date of Maximum:,02/25/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
02/25/2015,08:16:49,0.008  
02/25/2015,08:31:49,0.009  
02/25/2015,08:46:49,0.013  
02/25/2015,09:01:49,0.015  
02/25/2015,09:16:49,0.016  
02/25/2015,09:31:49,0.016  
02/25/2015,09:46:49,0.017  
02/25/2015,10:01:49,0.017  
02/25/2015,10:16:49,0.017  
02/25/2015,10:31:49,0.018  
02/25/2015,10:46:49,0.018  
02/25/2015,11:01:49,0.019  
02/25/2015,11:16:49,0.020  
02/25/2015,11:31:49,0.018  
02/25/2015,11:46:49,0.019  
02/25/2015,12:01:49,0.019  
02/25/2015,12:16:49,0.020  
02/25/2015,12:31:49,0.020  
02/25/2015,12:46:49,0.018  
02/25/2015,13:01:49,0.022  
02/25/2015,13:16:49,0.020  
02/25/2015,13:31:49,0.021  
02/25/2015,13:46:49,0.022  
02/25/2015,14:01:49,0.029  
02/25/2015,14:16:49,0.032  
02/25/2015,14:31:49,0.026  
02/25/2015,14:46:49,0.022  
02/25/2015,15:01:49,0.021  
02/25/2015,15:16:49,0.024  
02/25/2015,15:31:49,0.020  
02/25/2015,15:46:49,0.024  
02/25/2015,16:01:49,0.025

2-25-15 Downwind-1 VOC.txt

15/02/25 08:06

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 2/25/2015 08:06:57  
 End 2/25/2015 16:09:02  
 Sample Period(s) 900  
 Number of Records 32  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 50.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 43.476  
 TWA Alarm 43.476  
 Measurement Gas Isobutylene  
 Calibration Time 2/25/2015 07:44  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	2/25/2015 08:21:57	0.011	0.143
002	2/25/2015 08:36:57	0.000	0.000
003	2/25/2015 08:51:57	0.000	0.000
004	2/25/2015 09:06:57	0.000	0.007
005	2/25/2015 09:21:57	0.010	0.020
006	2/25/2015 09:36:57	0.026	0.032
007	2/25/2015 09:51:57	0.035	0.041
008	2/25/2015 10:06:57	0.040	0.043
009	2/25/2015 10:21:57	0.040	0.044
010	2/25/2015 10:36:57	0.041	0.044
011	2/25/2015 10:51:57	0.044	0.048
012	2/25/2015 11:06:57	0.045	0.050
013	2/25/2015 11:21:57	0.046	0.054
014	2/25/2015 11:36:57	0.045	0.049
015	2/25/2015 11:51:57	0.046	0.052
016	2/25/2015 12:06:57	0.048	0.059
017	2/25/2015 12:21:57	0.055	0.063
018	2/25/2015 12:36:57	0.057	0.063
019	2/25/2015 12:51:57	0.050	0.056
020	2/25/2015 13:06:57	0.047	0.058
021	2/25/2015 13:21:57	0.044	0.050

2-25-15 Downwind-1 VOC.txt

022	2/25/2015	13:36:57	0.048	0.058
023	2/25/2015	13:51:57	0.054	0.065
024	2/25/2015	14:06:57	0.058	0.080
025	2/25/2015	14:21:57	0.067	0.148
026	2/25/2015	14:36:57	0.075	0.147
027	2/25/2015	14:51:57	0.066	0.088
028	2/25/2015	15:06:57	0.056	0.064
029	2/25/2015	15:21:57	0.056	0.066
030	2/25/2015	15:36:57	0.051	0.072
031	2/25/2015	15:51:57	0.052	0.062
032	2/25/2015	16:06:57	0.063	0.085
Peak			0.075	0.148
Min			0.000	0.000
Average			0.043	0.060



TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,02/25/2015  
Start Time:,07:55:00  
Duration (dd:hh:mm:ss):,0:08:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,32  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.019  
,Minimum:,0.011  
,Time of Minimum:,08:25:00  
,Date of Minimum:,02/25/2015  
,Maximum:,0.027  
,Time of Maximum:,14:10:00  
,Date of Maximum:,02/25/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/25/2015,08:10:00,0.013  
02/25/2015,08:25:00,0.011  
02/25/2015,08:40:00,0.014  
02/25/2015,08:55:00,0.016  
02/25/2015,09:10:00,0.016  
02/25/2015,09:25:00,0.018  
02/25/2015,09:40:00,0.018  
02/25/2015,09:55:00,0.017  
02/25/2015,10:10:00,0.018  
02/25/2015,10:25:00,0.018  
02/25/2015,10:40:00,0.018  
02/25/2015,10:55:00,0.018  
02/25/2015,11:10:00,0.018  
02/25/2015,11:25:00,0.018  
02/25/2015,11:40:00,0.017  
02/25/2015,11:55:00,0.019  
02/25/2015,12:10:00,0.019  
02/25/2015,12:25:00,0.018  
02/25/2015,12:40:00,0.018  
02/25/2015,12:55:00,0.019  
02/25/2015,13:10:00,0.020  
02/25/2015,13:25:00,0.021  
02/25/2015,13:40:00,0.020  
02/25/2015,13:55:00,0.022  
02/25/2015,14:10:00,0.027  
02/25/2015,14:25:00,0.027  
02/25/2015,14:40:00,0.019  
02/25/2015,14:55:00,0.022  
02/25/2015,15:10:00,0.020  
02/25/2015,15:25:00,0.020  
02/25/2015,15:40:00,0.020  
02/25/2015,15:55:00,0.022

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,02/25/2015  
Start Time:,08:06:49  
Duration (dd:hh:mm:ss):,0:08:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,32  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.014  
,Minimum:,0.009  
,Time of Minimum:,08:36:49  
,Date of Minimum:,02/25/2015  
,Maximum:,0.022  
,Time of Maximum:,14:06:49  
,Date of Maximum:,02/25/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
02/25/2015,08:21:49,0.010  
02/25/2015,08:36:49,0.009  
02/25/2015,08:51:49,0.010  
02/25/2015,09:06:49,0.011  
02/25/2015,09:21:49,0.012  
02/25/2015,09:36:49,0.013  
02/25/2015,09:51:49,0.013  
02/25/2015,10:06:49,0.013  
02/25/2015,10:21:49,0.014  
02/25/2015,10:36:49,0.014  
02/25/2015,10:51:49,0.014  
02/25/2015,11:06:49,0.014  
02/25/2015,11:21:49,0.014  
02/25/2015,11:36:49,0.014  
02/25/2015,11:51:49,0.013  
02/25/2015,12:06:49,0.013  
02/25/2015,12:21:49,0.013  
02/25/2015,12:36:49,0.013  
02/25/2015,12:51:49,0.013  
02/25/2015,13:06:49,0.013  
02/25/2015,13:21:49,0.013  
02/25/2015,13:36:49,0.013  
02/25/2015,13:51:49,0.015  
02/25/2015,14:06:49,0.022  
02/25/2015,14:21:49,0.017  
02/25/2015,14:36:49,0.014  
02/25/2015,14:51:49,0.014  
02/25/2015,15:06:49,0.014  
02/25/2015,15:21:49,0.015  
02/25/2015,15:36:49,0.015  
02/25/2015,15:51:49,0.016  
02/25/2015,16:06:49,0.015

Model:,DustTrak II

2-25-15 Upwind Dust.txt

Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_A  
Start Date:,02/25/2015  
Start Time:,08:06:50  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.010  
,Minimum:,0.006  
,Time of Minimum:,08:12:50  
,Date of Minimum:,02/25/2015  
,Maximum:,0.049  
,Time of Maximum:,08:07:50  
,Date of Maximum:,02/25/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/25/2015,08:07:50,0.049  
02/25/2015,08:08:50,0.007  
02/25/2015,08:09:50,0.007  
02/25/2015,08:10:50,0.007  
02/25/2015,08:11:50,0.007  
02/25/2015,08:12:50,0.006  
02/25/2015,08:13:50,0.006  
02/25/2015,08:14:50,0.006  
02/25/2015,08:15:50,0.006  
02/25/2015,08:16:50,0.007  
02/25/2015,08:17:50,0.006  
02/25/2015,08:18:50,0.007  
02/25/2015,08:19:50,0.007  
02/25/2015,08:20:50,0.007  
02/25/2015,08:21:50,0.007

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,02/26/2015  
Start Time:,07:52:01  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.025  
,Minimum:,0.016  
,Time of Minimum:,08:07:01  
,Date of Minimum:,02/26/2015  
,Maximum:,0.035  
,Time of Maximum:,14:37:01  
,Date of Maximum:,02/26/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/26/2015,08:07:01,0.016  
02/26/2015,08:22:01,0.016  
02/26/2015,08:37:01,0.016  
02/26/2015,08:52:01,0.017  
02/26/2015,09:07:01,0.019  
02/26/2015,09:22:01,0.019  
02/26/2015,09:37:01,0.021  
02/26/2015,09:52:01,0.021  
02/26/2015,10:07:01,0.022  
02/26/2015,10:22:01,0.023  
02/26/2015,10:37:01,0.025  
02/26/2015,10:52:01,0.025  
02/26/2015,11:07:01,0.024  
02/26/2015,11:22:01,0.025  
02/26/2015,11:37:01,0.030  
02/26/2015,11:52:01,0.026  
02/26/2015,12:07:01,0.028  
02/26/2015,12:22:01,0.029  
02/26/2015,12:37:01,0.027  
02/26/2015,12:52:01,0.028  
02/26/2015,13:07:01,0.027  
02/26/2015,13:22:01,0.026  
02/26/2015,13:37:01,0.027  
02/26/2015,13:52:01,0.029  
02/26/2015,14:07:01,0.029  
02/26/2015,14:22:01,0.029  
02/26/2015,14:37:01,0.035  
02/26/2015,14:52:01,0.030  
02/26/2015,15:07:01,0.033  
02/26/2015,15:22:01,0.032  
02/26/2015,15:37:01,0.029

2-26-15 Downwind-1 VOC.txt

15/02/26 07:57

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 2/26/2015 07:57:43  
 End 2/26/2015 15:51:17  
 Sample Period(s) 900  
 Number of Records 31  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 50.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 43.476  
 TWA Alarm 43.476  
 Measurement Gas Isobutylene  
 Calibration Time 2/26/2015 07:34  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	2/26/2015 08:12:43	0.041	0.235
002	2/26/2015 08:27:43	0.015	0.021
003	2/26/2015 08:42:43	0.027	0.037
004	2/26/2015 08:57:43	0.045	0.054
005	2/26/2015 09:12:43	0.062	0.072
006	2/26/2015 09:27:43	0.080	0.088
007	2/26/2015 09:42:43	0.095	0.103
008	2/26/2015 09:57:43	0.106	0.113
009	2/26/2015 10:12:43	0.114	0.118
010	2/26/2015 10:27:43	0.117	0.120
011	2/26/2015 10:42:43	0.120	0.124
012	2/26/2015 10:57:43	0.124	0.135
013	2/26/2015 11:12:43	0.125	0.129
014	2/26/2015 11:27:43	0.124	0.131
015	2/26/2015 11:42:43	0.127	0.184
016	2/26/2015 11:57:43	0.114	0.127
017	2/26/2015 12:12:43	0.118	0.140
018	2/26/2015 12:27:43	0.115	0.178
019	2/26/2015 12:42:43	0.099	0.108
020	2/26/2015 12:57:43	0.095	0.101
021	2/26/2015 13:12:43	0.095	0.103

2-26-15 Downwind-1 VOC.txt

022	2/26/2015	13:27:43	0.095	0.100
023	2/26/2015	13:42:43	0.094	0.098
024	2/26/2015	13:57:43	0.094	0.105
025	2/26/2015	14:12:43	0.101	0.126
026	2/26/2015	14:27:43	0.118	0.198
027	2/26/2015	14:42:43	0.177	0.338
028	2/26/2015	14:57:43	0.138	0.197
029	2/26/2015	15:12:43	0.131	0.186
030	2/26/2015	15:27:43	0.129	0.144
031	2/26/2015	15:42:43	0.126	0.129
Peak		0.177	0.338	
Min		0.015	0.021	
Average		0.102	0.130	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,02/26/2015  
Start Time:,07:52:09  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.021  
,Minimum:,0.017  
,Time of Minimum:,09:22:09  
,Date of Minimum:,02/26/2015  
,Maximum:,0.027  
,Time of Maximum:,15:22:09  
,Date of Maximum:,02/26/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/26/2015,08:07:09,0.018  
02/26/2015,08:22:09,0.018  
02/26/2015,08:37:09,0.018  
02/26/2015,08:52:09,0.018  
02/26/2015,09:07:09,0.019  
02/26/2015,09:22:09,0.017  
02/26/2015,09:37:09,0.019  
02/26/2015,09:52:09,0.021  
02/26/2015,10:07:09,0.020  
02/26/2015,10:22:09,0.019  
02/26/2015,10:37:09,0.022  
02/26/2015,10:52:09,0.022  
02/26/2015,11:07:09,0.021  
02/26/2015,11:22:09,0.020  
02/26/2015,11:37:09,0.021  
02/26/2015,11:52:09,0.022  
02/26/2015,12:07:09,0.021  
02/26/2015,12:22:09,0.021  
02/26/2015,12:37:09,0.022  
02/26/2015,12:52:09,0.022  
02/26/2015,13:07:09,0.022  
02/26/2015,13:22:09,0.021  
02/26/2015,13:37:09,0.023  
02/26/2015,13:52:09,0.023  
02/26/2015,14:07:09,0.021  
02/26/2015,14:22:09,0.022  
02/26/2015,14:37:09,0.022  
02/26/2015,14:52:09,0.025  
02/26/2015,15:07:09,0.025  
02/26/2015,15:22:09,0.027

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515

Test ID:,004  
Test Abbreviation:,MANUAL\_004\_A  
Start Date:,02/26/2015  
Start Time:,07:52:10  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.018  
,Minimum:,0.015  
,Time of Minimum:,07:54:10  
,Date of Minimum:,02/26/2015  
,Maximum:,0.029  
,Time of Maximum:,07:53:10  
,Date of Maximum:,02/26/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/26/2015,07:53:10,0.029  
02/26/2015,07:54:10,0.015  
02/26/2015,07:55:10,0.017  
02/26/2015,07:56:10,0.016  
02/26/2015,07:57:10,0.017  
02/26/2015,07:58:10,0.018  
02/26/2015,07:59:10,0.017  
02/26/2015,08:00:10,0.018  
02/26/2015,08:01:10,0.019  
02/26/2015,08:02:10,0.018  
02/26/2015,08:03:10,0.018  
02/26/2015,08:04:10,0.019  
02/26/2015,08:05:10,0.018  
02/26/2015,08:06:10,0.018  
02/26/2015,08:07:10,0.019



2-26-15 Downwind-2 VOC.txt

15/02/26 07:58

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-904802  
 Unit Firmware Ver V1.06A  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 2/26/2015 07:58:48  
 End 2/26/2015 15:30:20  
 Sample Period(s) 900  
 Number of Records 30  
 -----

Sensor VOC(ppm)  
 Span 100  
 Span 2 N/A  
 Low Alarm 1  
 High Alarm 5  
 Over Alarm 15000  
 STEL Alarm 10  
 TWA Alarm 1  
 Measurement Gas Isobutene  
 Calibration Time 2/26/2015 07:35  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	2/26/2015 08:13:48	0	6
002	2/26/2015 08:28:48	0	0
003	2/26/2015 08:43:48	0	0
004	2/26/2015 08:58:48	0	0
005	2/26/2015 09:13:48	0	0
006	2/26/2015 09:28:48	0	0
007	2/26/2015 09:43:48	0	0
008	2/26/2015 09:58:48	0	0
009	2/26/2015 10:13:48	0	0
010	2/26/2015 10:28:48	0	0
011	2/26/2015 10:43:48	0	0
012	2/26/2015 10:58:48	0	0
013	2/26/2015 11:13:48	0	0
014	2/26/2015 11:28:48	0	0
015	2/26/2015 11:43:48	0	0
016	2/26/2015 11:58:48	0	0
017	2/26/2015 12:13:48	0	0
018	2/26/2015 12:28:48	0	0
019	2/26/2015 12:43:48	0	0
020	2/26/2015 12:58:48	0	0
021	2/26/2015 13:13:48	0	0

2-26-15 Downwind-2 VOC.txt

022	2/26/2015	13:28:48	0	0
023	2/26/2015	13:43:48	0	0
024	2/26/2015	13:58:48	0	0
025	2/26/2015	14:13:48	0	0
026	2/26/2015	14:28:48	0	0
027	2/26/2015	14:43:48	0	0
028	2/26/2015	14:58:48	0	0
029	2/26/2015	15:13:48	0	0
030	2/26/2015	15:28:48	0	0
Peak	0	6		
Min	0	0		
Average	0	0		

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,02/26/2015  
Start Time:,08:01:22  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.018  
,Minimum:,0.013  
,Time of Minimum:,08:31:22  
,Date of Minimum:,02/26/2015  
,Maximum:,0.022  
,Time of Maximum:,15:16:22  
,Date of Maximum:,02/26/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/26/2015,08:16:22,0.015  
02/26/2015,08:31:22,0.013  
02/26/2015,08:46:22,0.013  
02/26/2015,09:01:22,0.014  
02/26/2015,09:16:22,0.015  
02/26/2015,09:31:22,0.015  
02/26/2015,09:46:22,0.015  
02/26/2015,10:01:22,0.016  
02/26/2015,10:16:22,0.017  
02/26/2015,10:31:22,0.019  
02/26/2015,10:46:22,0.018  
02/26/2015,11:01:22,0.017  
02/26/2015,11:16:22,0.018  
02/26/2015,11:31:22,0.020  
02/26/2015,11:46:22,0.018  
02/26/2015,12:01:22,0.019  
02/26/2015,12:16:22,0.021  
02/26/2015,12:31:22,0.019  
02/26/2015,12:46:22,0.020  
02/26/2015,13:01:22,0.019  
02/26/2015,13:16:22,0.019  
02/26/2015,13:31:22,0.019  
02/26/2015,13:46:22,0.020  
02/26/2015,14:01:22,0.020  
02/26/2015,14:16:22,0.019  
02/26/2015,14:31:22,0.019  
02/26/2015,14:46:22,0.020  
02/26/2015,15:01:22,0.021  
02/26/2015,15:16:22,0.022  
02/26/2015,15:31:22,0.022  
02/26/2015,15:46:22,0.022

Model:,DustTrak II  
Model Number:,8530

2-26-15 Upwind Dust.txt

Serial Number:,8530143315  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_A  
Start Date:,02/26/2015  
Start Time:,15:23:49  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.022  
,Minimum:,0.021  
,Time of Minimum:,15:31:49  
,Date of Minimum:,02/26/2015  
,Maximum:,0.027  
,Time of Maximum:,15:24:49  
,Date of Maximum:,02/26/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/26/2015,15:24:49,0.027  
02/26/2015,15:25:49,0.022  
02/26/2015,15:26:49,0.022  
02/26/2015,15:27:49,0.022  
02/26/2015,15:28:49,0.022  
02/26/2015,15:29:49,0.022  
02/26/2015,15:30:49,0.022  
02/26/2015,15:31:49,0.021  
02/26/2015,15:32:49,0.022  
02/26/2015,15:33:49,0.022  
02/26/2015,15:34:49,0.022  
02/26/2015,15:35:49,0.022  
02/26/2015,15:36:49,0.022  
02/26/2015,15:37:49,0.022  
02/26/2015,15:38:49,0.022

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,005  
Test Abbreviation:,MANUAL\_005  
Start Date:,02/27/2015  
Start Time:,08:10:44  
Duration (dd:hh:mm:ss):,0:07:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,28  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.029  
,Minimum:,0.022  
,Time of Minimum:,12:40:44  
,Date of Minimum:,02/27/2015  
,Maximum:,0.037  
,Time of Maximum:,08:55:44  
,Date of Maximum:,02/27/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/27/2015,08:25:44,0.030  
02/27/2015,08:40:44,0.032  
02/27/2015,08:55:44,0.037  
02/27/2015,09:10:44,0.032  
02/27/2015,09:25:44,0.037  
02/27/2015,09:40:44,0.036  
02/27/2015,09:55:44,0.030  
02/27/2015,10:10:44,0.031  
02/27/2015,10:25:44,0.028  
02/27/2015,10:40:44,0.033  
02/27/2015,10:55:44,0.029  
02/27/2015,11:10:44,0.029  
02/27/2015,11:25:44,0.027  
02/27/2015,11:40:44,0.028  
02/27/2015,11:55:44,0.028  
02/27/2015,12:10:44,0.026  
02/27/2015,12:25:44,0.024  
02/27/2015,12:40:44,0.022  
02/27/2015,12:55:44,0.023  
02/27/2015,13:10:44,0.023  
02/27/2015,13:25:44,0.024  
02/27/2015,13:40:44,0.025  
02/27/2015,13:55:44,0.025  
02/27/2015,14:10:44,0.028  
02/27/2015,14:25:44,0.029  
02/27/2015,14:40:44,0.028  
02/27/2015,14:55:44,0.031  
02/27/2015,15:10:44,0.030

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_A

Start Date:,02/27/2015  
Start Time:,08:48:52  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.035  
,Minimum: ,0.028  
,Time of Minimum: ,09:02:52  
,Date of Minimum: ,02/27/2015  
,Maximum: ,0.071  
,Time of Maximum: ,08:49:52  
,Date of Maximum: ,02/27/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/27/2015,08:49:52,0.071  
02/27/2015,08:50:52,0.037  
02/27/2015,08:51:52,0.037  
02/27/2015,08:52:52,0.034  
02/27/2015,08:53:52,0.033  
02/27/2015,08:54:52,0.035  
02/27/2015,08:55:52,0.035  
02/27/2015,08:56:52,0.029  
02/27/2015,08:57:52,0.029  
02/27/2015,08:58:52,0.033  
02/27/2015,08:59:52,0.031  
02/27/2015,09:00:52,0.030  
02/27/2015,09:01:52,0.029  
02/27/2015,09:02:52,0.028  
02/27/2015,09:03:52,0.030

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,005  
Test Abbreviation:,MANUAL\_005  
Start Date:,02/27/2015  
Start Time:,08:01:28  
Duration (dd:hh:mm:ss):,0:08:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,32  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.025  
,Minimum:,0.019  
,Time of Minimum:,13:01:28  
,Date of Minimum:,02/27/2015  
,Maximum:,0.030  
,Time of Maximum:,10:46:28  
,Date of Maximum:,02/27/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
02/27/2015,08:16:28,0.028  
02/27/2015,08:31:28,0.028  
02/27/2015,08:46:28,0.029  
02/27/2015,09:01:28,0.028  
02/27/2015,09:16:28,0.028  
02/27/2015,09:31:28,0.029  
02/27/2015,09:46:28,0.028  
02/27/2015,10:01:28,0.029  
02/27/2015,10:16:28,0.028  
02/27/2015,10:31:28,0.028  
02/27/2015,10:46:28,0.030  
02/27/2015,11:01:28,0.024  
02/27/2015,11:16:28,0.021  
02/27/2015,11:31:28,0.022  
02/27/2015,11:46:28,0.023  
02/27/2015,12:01:28,0.021  
02/27/2015,12:16:28,0.021  
02/27/2015,12:31:28,0.020  
02/27/2015,12:46:28,0.020  
02/27/2015,13:01:28,0.019  
02/27/2015,13:16:28,0.021  
02/27/2015,13:31:28,0.022  
02/27/2015,13:46:28,0.023  
02/27/2015,14:01:28,0.022  
02/27/2015,14:16:28,0.023  
02/27/2015,14:31:28,0.024  
02/27/2015,14:46:28,0.026  
02/27/2015,15:01:28,0.026  
02/27/2015,15:16:28,0.026  
02/27/2015,15:31:28,0.024  
02/27/2015,15:46:28,0.024  
02/27/2015,16:01:28,0.023

Model:,DustTrak II

Model Number:,8530  
Serial Number:,8530122515  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_A  
Start Date:,02/27/2015  
Start Time:,08:01:29  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.028  
,Minimum:,0.024  
,Time of Minimum:,08:03:29  
,Date of Minimum:,02/27/2015  
,Maximum:,0.056  
,Time of Maximum:,08:02:29  
,Date of Maximum:,02/27/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/27/2015,08:02:29,0.056  
02/27/2015,08:03:29,0.024  
02/27/2015,08:04:29,0.025  
02/27/2015,08:05:29,0.036  
02/27/2015,08:06:29,0.028  
02/27/2015,08:07:29,0.026  
02/27/2015,08:08:29,0.025  
02/27/2015,08:09:29,0.025  
02/27/2015,08:10:29,0.028  
02/27/2015,08:11:29,0.027  
02/27/2015,08:12:29,0.026  
02/27/2015,08:13:29,0.024  
02/27/2015,08:14:29,0.025  
02/27/2015,08:15:29,0.025  
02/27/2015,08:16:29,0.025

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_B  
Start Date:,02/27/2015  
Start Time:,10:43:25  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.026  
,Minimum:,0.021  
,Time of Minimum:,10:49:25  
,Date of Minimum:,02/27/2015  
,Maximum:,0.058  
,Time of Maximum:,10:44:25  
,Date of Maximum:,02/27/2015



Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/27/2015,10:44:25,0.058  
02/27/2015,10:45:25,0.028  
02/27/2015,10:46:25,0.022  
02/27/2015,10:47:25,0.022  
02/27/2015,10:48:25,0.022  
02/27/2015,10:49:25,0.021  
02/27/2015,10:50:25,0.023  
02/27/2015,10:51:25,0.026  
02/27/2015,10:52:25,0.025  
02/27/2015,10:53:25,0.026  
02/27/2015,10:54:25,0.023  
02/27/2015,10:55:25,0.022  
02/27/2015,10:56:25,0.025  
02/27/2015,10:57:25,0.026  
02/27/2015,10:58:25,0.024

15/02/27 08:07

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-904802  
 Unit Firmware Ver V1.06A  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 2/27/2015 08:07:44  
 End 2/27/2015 16:13:24  
 Sample Period(s) 900  
 Number of Records 32  
 -----

Sensor VOC(ppm)  
 Span 100  
 Span 2 N/A  
 Low Alarm 1  
 High Alarm 5  
 Over Alarm 15000  
 STEL Alarm 10  
 TWA Alarm 1  
 Measurement Gas Isobutene  
 Calibration Time 2/27/2015 07:33  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

\*\*\*\*\*

Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	2/27/2015 08:22:44	0	5
002	2/27/2015 08:37:44	0	0
003	2/27/2015 08:52:44	0	0
004	2/27/2015 09:07:44	0	0
005	2/27/2015 09:22:44	0	0
006	2/27/2015 09:37:44	0	0
007	2/27/2015 09:52:44	0	0
008	2/27/2015 10:07:44	0	0
009	2/27/2015 10:22:44	0	0
010	2/27/2015 10:37:44	0	0
011	2/27/2015 10:52:44	0	0
012	2/27/2015 11:07:44	0	0
013	2/27/2015 11:22:44	0	0
014	2/27/2015 11:37:44	0	0
015	2/27/2015 11:52:44	0	0
016	2/27/2015 12:07:44	0	0
017	2/27/2015 12:22:44	0	0
018	2/27/2015 12:37:44	0	0
019	2/27/2015 12:52:44	0	0
020	2/27/2015 13:07:44	0	0
021	2/27/2015 13:22:44	0	0

2-27-15 Downwind-2 VOC.txt

022	2/27/2015	13:37:44	0	0
023	2/27/2015	13:52:44	0	0
024	2/27/2015	14:07:44	0	0
025	2/27/2015	14:22:44	0	0
026	2/27/2015	14:37:44	0	0
027	2/27/2015	14:52:44	0	0
028	2/27/2015	15:07:44	0	0
029	2/27/2015	15:22:44	0	0
030	2/27/2015	15:37:44	0	0
031	2/27/2015	15:52:44	0	0
032	2/27/2015	16:07:44	0	0
Peak	0	5		
Min	0	0		
Average	0	0		

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,005  
Test Abbreviation:,MANUAL\_005  
Start Date:,02/27/2015  
Start Time:,08:13:10  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.021  
,Minimum:,0.016  
,Time of Minimum:,12:58:10  
,Date of Minimum:,02/27/2015  
,Maximum:,0.036  
,Time of Maximum:,08:28:10  
,Date of Maximum:,02/27/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/27/2015,08:28:10,0.036  
02/27/2015,08:43:10,0.024  
02/27/2015,08:58:10,0.023  
02/27/2015,09:13:10,0.024  
02/27/2015,09:28:10,0.025  
02/27/2015,09:43:10,0.023  
02/27/2015,09:58:10,0.023  
02/27/2015,10:13:10,0.022  
02/27/2015,10:28:10,0.023  
02/27/2015,10:43:10,0.023  
02/27/2015,10:58:10,0.020  
02/27/2015,11:13:10,0.018  
02/27/2015,11:28:10,0.019  
02/27/2015,11:43:10,0.019  
02/27/2015,11:58:10,0.019  
02/27/2015,12:13:10,0.019  
02/27/2015,12:28:10,0.017  
02/27/2015,12:43:10,0.017  
02/27/2015,12:58:10,0.016  
02/27/2015,13:13:10,0.017  
02/27/2015,13:28:10,0.017  
02/27/2015,13:43:10,0.017  
02/27/2015,13:58:10,0.017  
02/27/2015,14:13:10,0.019  
02/27/2015,14:28:10,0.020  
02/27/2015,14:43:10,0.022  
02/27/2015,14:58:10,0.021  
02/27/2015,15:13:10,0.022  
02/27/2015,15:28:10,0.031  
02/27/2015,15:43:10,0.027  
02/27/2015,15:58:10,0.021

Model:,DustTrak II  
Model Number:,8530

2-27-15 Upwind Dust.txt

Serial Number:,8530143315  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_A  
Start Date:,02/27/2015  
Start Time:,08:13:11  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.036  
,Minimum:,0.022  
,Time of Minimum:,08:15:11  
,Date of Minimum:,02/27/2015  
,Maximum:,0.220  
,Time of Maximum:,08:14:11  
,Date of Maximum:,02/27/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/27/2015,08:14:11,0.220  
02/27/2015,08:15:11,0.022  
02/27/2015,08:16:11,0.022  
02/27/2015,08:17:11,0.022  
02/27/2015,08:18:11,0.022  
02/27/2015,08:19:11,0.022  
02/27/2015,08:20:11,0.022  
02/27/2015,08:21:11,0.023  
02/27/2015,08:22:11,0.023  
02/27/2015,08:23:11,0.023  
02/27/2015,08:24:11,0.023  
02/27/2015,08:25:11,0.023  
02/27/2015,08:26:11,0.023  
02/27/2015,08:27:11,0.023  
02/27/2015,08:28:11,0.023

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_B  
Start Date:,02/27/2015  
Start Time:,10:43:10  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.021  
,Minimum:,0.017  
,Time of Minimum:,10:46:10  
,Date of Minimum:,02/27/2015  
,Maximum:,0.030  
,Time of Maximum:,10:44:10  
,Date of Maximum:,02/27/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m^3  
02/27/2015,10:44:10,0.030  
02/27/2015,10:45:10,0.018  
02/27/2015,10:46:10,0.017  
02/27/2015,10:47:10,0.018  
02/27/2015,10:48:10,0.019  
02/27/2015,10:49:10,0.018  
02/27/2015,10:50:10,0.019  
02/27/2015,10:51:10,0.019  
02/27/2015,10:52:10,0.019  
02/27/2015,10:53:10,0.022  
02/27/2015,10:54:10,0.021  
02/27/2015,10:55:10,0.020  
02/27/2015,10:56:10,0.023  
02/27/2015,10:57:10,0.024  
02/27/2015,10:58:10,0.023

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530143315  
Test ID: ,005  
Test Abbreviation: ,MANUAL\_005\_C  
Start Date: ,02/27/2015  
Start Time: ,15:18:36  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m^3  
,Average: ,0.030  
,Minimum: ,0.022  
,Time of Minimum: ,15:25:36  
,Date of Minimum: ,02/27/2015  
,Maximum: ,0.050  
,Time of Maximum: ,15:28:36  
,Date of Maximum: ,02/27/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m^3  
02/27/2015,15:19:36,0.042  
02/27/2015,15:20:36,0.029  
02/27/2015,15:21:36,0.045  
02/27/2015,15:22:36,0.034  
02/27/2015,15:23:36,0.032  
02/27/2015,15:24:36,0.023  
02/27/2015,15:25:36,0.022  
02/27/2015,15:26:36,0.027  
02/27/2015,15:27:36,0.036  
02/27/2015,15:28:36,0.050  
02/27/2015,15:29:36,0.027  
02/27/2015,15:30:36,0.022  
02/27/2015,15:31:36,0.023  
02/27/2015,15:32:36,0.022  
02/27/2015,15:33:36,0.022

2-27-15 Upwind Dust.txt

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_D  
Start Date:,02/27/2015  
Start Time:,15:35:03  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.025  
,Minimum:,0.021  
,Time of Minimum:,15:46:03  
,Date of Minimum:,02/27/2015  
,Maximum:,0.043  
,Time of Maximum:,15:36:03  
,Date of Maximum:,02/27/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/27/2015,15:36:03,0.043  
02/27/2015,15:37:03,0.034  
02/27/2015,15:38:03,0.035  
02/27/2015,15:39:03,0.024  
02/27/2015,15:40:03,0.022  
02/27/2015,15:41:03,0.023  
02/27/2015,15:42:03,0.023  
02/27/2015,15:43:03,0.023  
02/27/2015,15:44:03,0.022  
02/27/2015,15:45:03,0.022  
02/27/2015,15:46:03,0.021  
02/27/2015,15:47:03,0.021  
02/27/2015,15:48:03,0.021  
02/27/2015,15:49:03,0.021  
02/27/2015,15:50:03,0.021

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,02/03/2015  
Start Time:,08:06:12  
Duration (dd:hh:mm:ss):,0:08:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,32  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.041  
,Minimum:,0.028  
,Time of Minimum:,08:21:12  
,Date of Minimum:,02/03/2015  
,Maximum:,0.057  
,Time of Maximum:,14:51:12  
,Date of Maximum:,02/03/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/03/2015,08:21:12,0.028  
02/03/2015,08:36:12,0.030  
02/03/2015,08:51:12,0.030  
02/03/2015,09:06:12,0.033  
02/03/2015,09:21:12,0.032  
02/03/2015,09:36:12,0.031  
02/03/2015,09:51:12,0.035  
02/03/2015,10:06:12,0.034  
02/03/2015,10:21:12,0.039  
02/03/2015,10:36:12,0.039  
02/03/2015,10:51:12,0.043  
02/03/2015,11:06:12,0.037  
02/03/2015,11:21:12,0.038  
02/03/2015,11:36:12,0.039  
02/03/2015,11:51:12,0.042  
02/03/2015,12:06:12,0.041  
02/03/2015,12:21:12,0.039  
02/03/2015,12:36:12,0.039  
02/03/2015,12:51:12,0.042  
02/03/2015,13:06:12,0.042  
02/03/2015,13:21:12,0.044  
02/03/2015,13:36:12,0.043  
02/03/2015,13:51:12,0.039  
02/03/2015,14:06:12,0.046



02/03/2015,14:21:12,0.054  
02/03/2015,14:36:12,0.056  
02/03/2015,14:51:12,0.057  
02/03/2015,15:06:12,0.050  
02/03/2015,15:21:12,0.053  
02/03/2015,15:36:12,0.045  
02/03/2015,15:51:12,0.043  
02/03/2015,16:06:12,0.041

Model:.,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530141112  
Test ID:.,001  
Test Abbreviation:.,MANUAL\_001\_A  
Start Date:.,02/03/2015  
Start Time:.,08:25:53  
Duration (dd:hh:mm:ss):.,0:00:15:00  
Log Interval (mm:ss):.,01:00  
Number of points:.,15  
Notes:.,

Statistics,Channel:.,AEROSOL  
,Units:.,mg/m<sup>3</sup>  
,Average:.,0.029  
,Minimum:.,0.023  
,Time of Minimum:.,08:29:53  
,Date of Minimum:.,02/03/2015  
,Maximum:.,0.047  
,Time of Maximum:.,08:26:53  
,Date of Maximum:.,02/03/2015

Calibration,Sensor:.,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/03/2015,08:26:53,0.047  
02/03/2015,08:27:53,0.031  
02/03/2015,08:28:53,0.027  
02/03/2015,08:29:53,0.023  
02/03/2015,08:30:53,0.026  
02/03/2015,08:31:53,0.028  
02/03/2015,08:32:53,0.025  
02/03/2015,08:33:53,0.025  
02/03/2015,08:34:53,0.031  
02/03/2015,08:35:53,0.028  
02/03/2015,08:36:53,0.028  
02/03/2015,08:37:53,0.027  
02/03/2015,08:38:53,0.028  
02/03/2015,08:39:53,0.027  
02/03/2015,08:40:53,0.030

Model:.,DustTrak II  
Model Number:.,8530

Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_B  
Start Date:,02/03/2015  
Start Time:,10:41:06  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m^3  
,Average:,0.042  
,Minimum:,0.035  
,Time of Minimum:,10:55:06  
,Date of Minimum:,02/03/2015  
,Maximum:,0.070  
,Time of Maximum:,10:42:06  
,Date of Maximum:,02/03/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m^3  
02/03/2015,10:42:06,0.070  
02/03/2015,10:43:06,0.037  
02/03/2015,10:44:06,0.038  
02/03/2015,10:45:06,0.036  
02/03/2015,10:46:06,0.045  
02/03/2015,10:47:06,0.040  
02/03/2015,10:48:06,0.040  
02/03/2015,10:49:06,0.044  
02/03/2015,10:50:06,0.045  
02/03/2015,10:51:06,0.041  
02/03/2015,10:52:06,0.037  
02/03/2015,10:53:06,0.041  
02/03/2015,10:54:06,0.041  
02/03/2015,10:55:06,0.035  
02/03/2015,10:56:06,0.038

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_C  
Start Date:,02/03/2015  
Start Time:,11:14:18  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL

,Units:,mg/m^3  
,Average:,0.040  
,Minimum:,0.035  
,Time of Minimum:,11:20:18  
,Date of Minimum:,02/03/2015  
,Maximum:,0.054  
,Time of Maximum:,11:15:18  
,Date of Maximum:,02/03/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m^3  
02/03/2015,11:15:18,0.054  
02/03/2015,11:16:18,0.044  
02/03/2015,11:17:18,0.037  
02/03/2015,11:18:18,0.038  
02/03/2015,11:19:18,0.036  
02/03/2015,11:20:18,0.035  
02/03/2015,11:21:18,0.035  
02/03/2015,11:22:18,0.040  
02/03/2015,11:23:18,0.046  
02/03/2015,11:24:18,0.039  
02/03/2015,11:25:18,0.038  
02/03/2015,11:26:18,0.037  
02/03/2015,11:27:18,0.039  
02/03/2015,11:28:18,0.045  
02/03/2015,11:29:18,0.040

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_D  
Start Date:,02/03/2015  
Start Time:,11:37:35  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m^3  
,Average:,0.042  
,Minimum:,0.036  
,Time of Minimum:,11:41:35  
,Date of Minimum:,02/03/2015  
,Maximum:,0.055  
,Time of Maximum:,11:51:35  
,Date of Maximum:,02/03/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m^3  
02/03/2015,11:38:35,0.041  
02/03/2015,11:39:35,0.040  
02/03/2015,11:40:35,0.041  
02/03/2015,11:41:35,0.036  
02/03/2015,11:42:35,0.052  
02/03/2015,11:43:35,0.039  
02/03/2015,11:44:35,0.040  
02/03/2015,11:45:35,0.040  
02/03/2015,11:46:35,0.040  
02/03/2015,11:47:35,0.041  
02/03/2015,11:48:35,0.042  
02/03/2015,11:49:35,0.041  
02/03/2015,11:50:35,0.039  
02/03/2015,11:51:35,0.055  
02/03/2015,11:52:35,0.038

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_E  
Start Date:,02/03/2015  
Start Time:,11:56:26  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m^3  
,Average:,0.040  
,Minimum:,0.037  
,Time of Minimum:,12:05:26  
,Date of Minimum:,02/03/2015  
,Maximum:,0.053  
,Time of Maximum:,11:57:26  
,Date of Maximum:,02/03/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m^3  
02/03/2015,11:57:26,0.053  
02/03/2015,11:58:26,0.044  
02/03/2015,11:59:26,0.041  
02/03/2015,12:00:26,0.042  
02/03/2015,12:01:26,0.040  
02/03/2015,12:02:26,0.041  
02/03/2015,12:03:26,0.038  
02/03/2015,12:04:26,0.039

02/03/2015,12:05:26,0.037  
02/03/2015,12:06:26,0.038  
02/03/2015,12:07:26,0.038  
02/03/2015,12:08:26,0.040  
02/03/2015,12:09:26,0.038  
02/03/2015,12:10:26,0.039  
02/03/2015,12:11:26,0.040

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_F  
Start Date:,02/03/2015  
Start Time:,13:34:57  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.040  
,Minimum:,0.036  
,Time of Minimum:,13:37:57  
,Date of Minimum:,02/03/2015  
,Maximum:,0.052  
,Time of Maximum:,13:35:57  
,Date of Maximum:,02/03/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/03/2015,13:35:57,0.052  
02/03/2015,13:36:57,0.041  
02/03/2015,13:37:57,0.036  
02/03/2015,13:38:57,0.038  
02/03/2015,13:39:57,0.043  
02/03/2015,13:40:57,0.041  
02/03/2015,13:41:57,0.040  
02/03/2015,13:42:57,0.037  
02/03/2015,13:43:57,0.038  
02/03/2015,13:44:57,0.037  
02/03/2015,13:45:57,0.040  
02/03/2015,13:46:57,0.041  
02/03/2015,13:47:57,0.038  
02/03/2015,13:48:57,0.039  
02/03/2015,13:49:57,0.040

15/02/03 08:23

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Summary

Unit Name MiniRAE 3000(PGM-7320)  
Unit SN 592-907926  
Unit Firmware Ver V1.10C

Running Mode Hygiene Mode  
Measure Type Avg; Max; Real  
Datalog Mode Continuous  
Datalog Type Auto  
Diagnostic Mode No  
Stop Reason Battery Low

Site ID 12345678  
User ID 12345678

Begin 2/3/2015 08:23:06  
End 2/3/2015 13:26:46  
Sample Period(s) 900  
Number of Records 20

Sensor VOC(ppm)  
Span 100.000  
Span 2 N/A  
Low Alarm 5.000  
High Alarm 100.000  
Over Alarm 15000.000  
STEL Alarm 5.000  
TWA Alarm 10.000  
Measurement Gas Isobutylene  
Calibration Time 2/3/2015 07:44  
Peak 0.122  
Min 0.003  
Average 0.081

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)
001	2/3/2015 08:38:06	0.022	0.078	0.003
002	2/3/2015 08:53:06	0.006	0.034	0.008
003	2/3/2015 09:08:06	0.018	0.045	0.024
004	2/3/2015 09:23:06	0.034	0.069	0.050
005	2/3/2015 09:38:06	0.047	0.067	0.050
006	2/3/2015 09:53:06	0.057	0.074	0.060
007	2/3/2015 10:08:06	0.065	0.080	0.074
008	2/3/2015 10:23:06	0.071	0.084	0.078
009	2/3/2015 10:38:06	0.077	0.091	0.083
010	2/3/2015 10:53:06	0.084	0.106	0.085
011	2/3/2015 11:08:06	0.089	0.102	0.094

012	2/3/2015 11:23:06	0.096	0.115	0.099
013	2/3/2015 11:38:06	0.100	0.123	0.103
014	2/3/2015 11:53:06	0.104	0.118	0.105
015	2/3/2015 12:08:06	0.109	0.126	0.110
016	2/3/2015 12:23:06	0.112	0.126	0.112
017	2/3/2015 12:38:06	0.113	0.132	0.115
018	2/3/2015 12:53:06	0.116	0.129	0.117
019	2/3/2015 13:08:06	0.120	0.138	0.120
020	2/3/2015 13:23:06	0.121	0.137	0.122
Peak		0.121	0.138	0.122
Min		0.006	0.034	0.003
Average		0.078	0.099	0.081

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TWA/STEL

Index	Date/Time	VOC(ppm)	
		(TWA)	(STEL)
001	2/3/2015 08:38:06	0.000	0.003
002	2/3/2015 08:53:06	0.000	0.008
003	2/3/2015 09:08:06	0.001	0.024
004	2/3/2015 09:23:06	0.003	0.050
005	2/3/2015 09:38:06	0.004	0.050
006	2/3/2015 09:53:06	0.006	0.060
007	2/3/2015 10:08:06	0.008	0.074
008	2/3/2015 10:23:06	0.011	0.078
009	2/3/2015 10:38:06	0.013	0.083
010	2/3/2015 10:53:06	0.016	0.085
011	2/3/2015 11:08:06	0.019	0.094
012	2/3/2015 11:23:06	0.022	0.099
013	2/3/2015 11:38:06	0.025	0.103
014	2/3/2015 11:53:06	0.029	0.105
015	2/3/2015 12:08:06	0.032	0.110
016	2/3/2015 12:23:06	0.036	0.112
017	2/3/2015 12:38:06	0.039	0.115
018	2/3/2015 12:53:06	0.043	0.117
019	2/3/2015 13:08:06	0.047	0.120
020	2/3/2015 13:23:06	0.050	0.122

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,02/03/2015  
Start Time:,08:06:57  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.035  
,Minimum:,0.026  
,Time of Minimum:,08:36:57  
,Date of Minimum:,02/03/2015  
,Maximum:,0.042  
,Time of Maximum:,14:21:57  
,Date of Maximum:,02/03/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/03/2015,08:21:57,0.029  
02/03/2015,08:36:57,0.026  
02/03/2015,08:51:57,0.029  
02/03/2015,09:06:57,0.029  
02/03/2015,09:21:57,0.029  
02/03/2015,09:36:57,0.030  
02/03/2015,09:51:57,0.031  
02/03/2015,10:06:57,0.034  
02/03/2015,10:21:57,0.034  
02/03/2015,10:36:57,0.035  
02/03/2015,10:51:57,0.034  
02/03/2015,11:06:57,0.034  
02/03/2015,11:21:57,0.036  
02/03/2015,11:36:57,0.036  
02/03/2015,11:51:57,0.037  
02/03/2015,12:06:57,0.037  
02/03/2015,12:21:57,0.036  
02/03/2015,12:36:57,0.036  
02/03/2015,12:51:57,0.038  
02/03/2015,13:06:57,0.036  
02/03/2015,13:21:57,0.038  
02/03/2015,13:36:57,0.034  
02/03/2015,13:51:57,0.034  
02/03/2015,14:06:57,0.036



02/03/2015,14:21:57,0.042  
02/03/2015,14:36:57,0.042  
02/03/2015,14:51:57,0.039  
02/03/2015,15:06:57,0.041  
02/03/2015,15:21:57,0.037  
02/03/2015,15:36:57,0.037  
02/03/2015,15:51:57,0.035

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,02/03/2015  
Start Time:,11:27:24  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.036  
,Minimum:,0.034  
,Time of Minimum:,11:29:24  
,Date of Minimum:,02/03/2015  
,Maximum:,0.040  
,Time of Maximum:,11:28:24  
,Date of Maximum:,02/03/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/03/2015,11:28:24,0.040  
02/03/2015,11:29:24,0.034  
02/03/2015,11:30:24,0.036  
02/03/2015,11:31:24,0.036  
02/03/2015,11:32:24,0.034  
02/03/2015,11:33:24,0.034  
02/03/2015,11:34:24,0.037  
02/03/2015,11:35:24,0.036  
02/03/2015,11:36:24,0.037  
02/03/2015,11:37:24,0.035  
02/03/2015,11:38:24,0.035  
02/03/2015,11:39:24,0.035  
02/03/2015,11:40:24,0.037  
02/03/2015,11:41:24,0.036  
02/03/2015,11:42:24,0.038

15/02/03 07:49

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Summary

Unit Name MiniRAE 3000(PGM-7320)  
Unit SN 592-913116  
Unit Firmware Ver V1.20A

Running Mode Hygiene Mode  
Measure Type Avg; Max; Real  
Datalog Mode Continuous  
Datalog Type Auto  
Diagnostic Mode No  
Stop Reason Power Down

Site ID 12345678  
User ID 12345678

Begin 2/3/2015 07:49:36  
End 2/3/2015 16:24:22  
Sample Period(s) 900  
Number of Records 34

Sensor VOC(ppm)  
Span 100.000  
Span 2 N/A  
Low Alarm 5.000  
High Alarm 100.000  
Over Alarm 15000.000  
STEL Alarm 5.000  
TWA Alarm 5.000  
Measurement Gas Isobutylene  
Calibration Time 2/3/2015 07:49  
Peak 0.515  
Min 0.087  
Average 0.242

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)
001	2/3/2015 08:04:36	0.471	0.707	0.515
002	2/3/2015 08:19:36	0.432	0.547	0.312
003	2/3/2015 08:34:36	0.157	0.311	0.107
004	2/3/2015 08:49:36	0.094	0.123	0.087
005	2/3/2015 09:04:36	0.090	0.103	0.094
006	2/3/2015 09:19:36	0.108	0.135	0.123
007	2/3/2015 09:34:36	0.144	0.167	0.158
008	2/3/2015 09:49:36	0.166	0.196	0.187
009	2/3/2015 10:04:36	0.192	0.237	0.181
010	2/3/2015 10:19:36	0.204	0.247	0.211
011	2/3/2015 10:34:36	0.213	0.254	0.228

012	2/3/2015 10:49:36	0.226	0.250	0.232
013	2/3/2015 11:04:36	0.238	0.270	0.252
014	2/3/2015 11:19:36	0.244	0.270	0.241
015	2/3/2015 11:34:36	0.246	0.260	0.244
016	2/3/2015 11:49:36	0.248	0.262	0.248
017	2/3/2015 12:04:36	0.251	0.268	0.253
018	2/3/2015 12:19:36	0.254	0.298	0.257
019	2/3/2015 12:34:36	0.255	0.287	0.254
020	2/3/2015 12:49:36	0.257	0.283	0.256
021	2/3/2015 13:04:36	0.260	0.291	0.269
022	2/3/2015 13:19:36	0.262	0.292	0.258
023	2/3/2015 13:34:36	0.267	0.289	0.268
024	2/3/2015 13:49:36	0.271	0.328	0.268
025	2/3/2015 14:04:36	0.266	0.290	0.266
026	2/3/2015 14:19:36	0.267	0.281	0.272
027	2/3/2015 14:34:36	0.273	0.322	0.274
028	2/3/2015 14:49:36	0.275	0.314	0.278
029	2/3/2015 15:04:36	0.276	0.303	0.274
030	2/3/2015 15:19:36	0.275	0.295	0.269
031	2/3/2015 15:34:36	0.276	0.309	0.277
032	2/3/2015 15:49:36	0.272	0.294	0.276
033	2/3/2015 16:04:36	0.275	0.306	0.275
034	2/3/2015 16:19:36	0.273	0.290	0.272
Peak		0.471	0.707	0.515
Min		0.090	0.103	0.087
Average		0.243	0.285	0.242

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#### TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	2/3/2015 08:04:36	0.016	0.515
002	2/3/2015 08:19:36	0.026	0.312
003	2/3/2015 08:34:36	0.029	0.107
004	2/3/2015 08:49:36	0.032	0.087
005	2/3/2015 09:04:36	0.035	0.094
006	2/3/2015 09:19:36	0.039	0.123
007	2/3/2015 09:34:36	0.044	0.158
008	2/3/2015 09:49:36	0.049	0.187
009	2/3/2015 10:04:36	0.055	0.181
010	2/3/2015 10:19:36	0.062	0.211
011	2/3/2015 10:34:36	0.069	0.228
012	2/3/2015 10:49:36	0.076	0.232
013	2/3/2015 11:04:36	0.084	0.252
014	2/3/2015 11:19:36	0.092	0.241
015	2/3/2015 11:34:36	0.099	0.244
016	2/3/2015 11:49:36	0.107	0.248
017	2/3/2015 12:04:36	0.115	0.253
018	2/3/2015 12:19:36	0.123	0.257
019	2/3/2015 12:34:36	0.131	0.254
020	2/3/2015 12:49:36	0.139	0.256
021	2/3/2015 13:04:36	0.147	0.269
022	2/3/2015 13:19:36	0.155	0.258
023	2/3/2015 13:34:36	0.164	0.268

024	2/3/2015 13:49:36	0.172	0.268
025	2/3/2015 14:04:36	0.180	0.266
026	2/3/2015 14:19:36	0.189	0.272
027	2/3/2015 14:34:36	0.197	0.274
028	2/3/2015 14:49:36	0.206	0.278
029	2/3/2015 15:04:36	0.215	0.274
030	2/3/2015 15:19:36	0.223	0.269
031	2/3/2015 15:34:36	0.232	0.277
032	2/3/2015 15:49:36	0.240	0.276
033	2/3/2015 16:04:36	0.249	0.275
034	2/3/2015 16:19:36	0.257	0.272

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,02/03/2015  
Start Time:,08:14:22  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.031  
,Minimum:,0.019  
,Time of Minimum:,08:44:22  
,Date of Minimum:,02/03/2015  
,Maximum:,0.036  
,Time of Maximum:,12:44:22  
,Date of Maximum:,02/03/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/03/2015,08:29:22,0.028  
02/03/2015,08:44:22,0.019  
02/03/2015,08:59:22,0.021  
02/03/2015,09:14:22,0.023  
02/03/2015,09:29:22,0.024  
02/03/2015,09:44:22,0.026  
02/03/2015,09:59:22,0.027  
02/03/2015,10:14:22,0.030  
02/03/2015,10:29:22,0.031  
02/03/2015,10:44:22,0.031  
02/03/2015,10:59:22,0.031  
02/03/2015,11:14:22,0.032  
02/03/2015,11:29:22,0.034  
02/03/2015,11:44:22,0.035  
02/03/2015,11:59:22,0.035  
02/03/2015,12:14:22,0.035  
02/03/2015,12:29:22,0.035  
02/03/2015,12:44:22,0.036  
02/03/2015,12:59:22,0.035  
02/03/2015,13:14:22,0.035  
02/03/2015,13:29:22,0.035  
02/03/2015,13:44:22,0.033  
02/03/2015,13:59:22,0.033  
02/03/2015,14:14:22,0.035

02/03/2015,14:29:22,0.035  
02/03/2015,14:44:22,0.035  
02/03/2015,14:59:22,0.033  
02/03/2015,15:14:22,0.031  
02/03/2015,15:29:22,0.031  
02/03/2015,15:44:22,0.033  
02/03/2015,15:59:22,0.032

Model:.,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530143315  
Test ID:.,001  
Test Abbreviation:.,MANUAL\_001\_A  
Start Date:.,02/03/2015  
Start Time:.,08:14:27  
Duration (dd:hh:mm:ss):.,0:00:15:00  
Log Interval (mm:ss):.,01:00  
Number of points:.,15  
Notes:.,

Statistics,Channel:.,AEROSOL  
,Units:.,mg/m^3  
,Average:.,0.028  
,Minimum:.,0.018  
,Time of Minimum:.,08:16:27  
,Date of Minimum:.,02/03/2015  
,Maximum:.,0.175  
,Time of Maximum:.,08:15:27  
,Date of Maximum:.,02/03/2015

Calibration,Sensor:.,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m^3  
02/03/2015,08:15:27,0.175  
02/03/2015,08:16:27,0.018  
02/03/2015,08:17:27,0.018  
02/03/2015,08:18:27,0.019  
02/03/2015,08:19:27,0.018  
02/03/2015,08:20:27,0.018  
02/03/2015,08:21:27,0.018  
02/03/2015,08:22:27,0.018  
02/03/2015,08:23:27,0.018  
02/03/2015,08:24:27,0.018  
02/03/2015,08:25:27,0.018  
02/03/2015,08:26:27,0.018  
02/03/2015,08:27:27,0.018  
02/03/2015,08:28:27,0.018  
02/03/2015,08:29:27,0.018

Model:.,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530143315

Test ID:001  
Test Abbreviation:MANUAL\_001\_B  
Start Date:02/03/2015  
Start Time:09:43:15  
Duration (dd:hh:mm:ss):0:00:15:00  
Log Interval (mm:ss):01:00  
Number of points:15  
Notes:

Statistics,Channel:AEROSOL  
,Units:mg/m<sup>3</sup>  
,Average:0.028  
,Minimum:0.026  
,Time of Minimum:09:48:15  
,Date of Minimum:02/03/2015  
,Maximum:0.041  
,Time of Maximum:09:44:15  
,Date of Maximum:02/03/2015

Calibration,Sensor:AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/03/2015,09:44:15,0.041  
02/03/2015,09:45:15,0.027  
02/03/2015,09:46:15,0.027  
02/03/2015,09:47:15,0.027  
02/03/2015,09:48:15,0.026  
02/03/2015,09:49:15,0.026  
02/03/2015,09:50:15,0.027  
02/03/2015,09:51:15,0.027  
02/03/2015,09:52:15,0.027  
02/03/2015,09:53:15,0.028  
02/03/2015,09:54:15,0.027  
02/03/2015,09:55:15,0.027  
02/03/2015,09:56:15,0.027  
02/03/2015,09:57:15,0.028  
02/03/2015,09:58:15,0.028

Model:DustTrak II  
Model Number:8530  
Serial Number:8530143315  
Test ID:001  
Test Abbreviation:MANUAL\_001\_C  
Start Date:02/03/2015  
Start Time:11:14:47  
Duration (dd:hh:mm:ss):0:00:15:00  
Log Interval (mm:ss):01:00  
Number of points:15  
Notes:

Statistics,Channel:AEROSOL  
,Units:mg/m<sup>3</sup>

,Average:,0.034  
,Minimum:,0.033  
,Time of Minimum:,11:16:47  
,Date of Minimum:,02/03/2015  
,Maximum:,0.038  
,Time of Maximum:,11:15:47  
,Date of Maximum:,02/03/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m^3  
02/03/2015,11:15:47,0.038  
02/03/2015,11:16:47,0.033  
02/03/2015,11:17:47,0.033  
02/03/2015,11:18:47,0.033  
02/03/2015,11:19:47,0.033  
02/03/2015,11:20:47,0.034  
02/03/2015,11:21:47,0.034  
02/03/2015,11:22:47,0.033  
02/03/2015,11:23:47,0.033  
02/03/2015,11:24:47,0.033  
02/03/2015,11:25:47,0.034  
02/03/2015,11:26:47,0.034  
02/03/2015,11:27:47,0.035  
02/03/2015,11:28:47,0.034  
02/03/2015,11:29:47,0.034

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_D  
Start Date:,02/03/2015  
Start Time:,11:36:05  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m^3  
,Average:,0.036  
,Minimum:,0.034  
,Time of Minimum:,11:38:05  
,Date of Minimum:,02/03/2015  
,Maximum:,0.044  
,Time of Maximum:,11:37:05  
,Date of Maximum:,02/03/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014



Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m^3  
02/03/2015,11:37:05,0.044  
02/03/2015,11:38:05,0.034  
02/03/2015,11:39:05,0.035  
02/03/2015,11:40:05,0.035  
02/03/2015,11:41:05,0.035  
02/03/2015,11:42:05,0.035  
02/03/2015,11:43:05,0.035  
02/03/2015,11:44:05,0.035  
02/03/2015,11:45:05,0.035  
02/03/2015,11:46:05,0.035  
02/03/2015,11:47:05,0.035  
02/03/2015,11:48:05,0.035  
02/03/2015,11:49:05,0.035  
02/03/2015,11:50:05,0.035  
02/03/2015,11:51:05,0.035

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530143315  
Test ID:.,001  
Test Abbreviation:.,MANUAL\_001\_E  
Start Date:.,02/03/2015  
Start Time:.,13:24:02  
Duration (dd:hh:mm:ss):.,0:00:15:00  
Log Interval (mm:ss):.,01:00  
Number of points:.,15  
Notes:.,

Statistics,Channel:.,AEROSOL  
,Units:.,mg/m^3  
,Average:.,0.034  
,Minimum:.,0.032  
,Time of Minimum:.,13:26:02  
,Date of Minimum:.,02/03/2015  
,Maximum:.,0.052  
,Time of Maximum:.,13:25:02  
,Date of Maximum:.,02/03/2015

Calibration,Sensor:.,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m^3  
02/03/2015,13:25:02,0.052  
02/03/2015,13:26:02,0.032  
02/03/2015,13:27:02,0.032  
02/03/2015,13:28:02,0.032  
02/03/2015,13:29:02,0.033  
02/03/2015,13:30:02,0.033  
02/03/2015,13:31:02,0.033  
02/03/2015,13:32:02,0.033  
02/03/2015,13:33:02,0.033

02/03/2015,13:34:02,0.033  
02/03/2015,13:35:02,0.032  
02/03/2015,13:36:02,0.032  
02/03/2015,13:37:02,0.033  
02/03/2015,13:38:02,0.033  
02/03/2015,13:39:02,0.032

TrakPro Version 4.61 ASCII Data File

Model: DustTrak II  
Model Number: 8530  
Serial Number: 8530141112  
Test ID: 002  
Test Abbreviation: MANUAL\_002  
Start Date: 02/04/2015  
Start Time: 08:15:43  
Duration (dd:hh:mm:ss): 0:07:45:00  
Log Interval (mm:ss): 15:00  
Number of points: 31  
Notes:

Statistics, Channel: AEROSOL  
, Units: mg/m<sup>3</sup>  
, Average: 0.067  
, Minimum: 0.038  
, Time of Minimum: 08:30:43  
, Date of Minimum: 02/04/2015  
, Maximum: 0.080  
, Time of Maximum: 14:45:43  
, Date of Maximum: 02/04/2015

Calibration, Sensor: AEROSOL  
, Cal. date: 03/12/2014

Date, Time, AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
02/04/2015, 08:30:43, 0.038  
02/04/2015, 08:45:43, 0.046  
02/04/2015, 09:00:43, 0.052  
02/04/2015, 09:15:43, 0.054  
02/04/2015, 09:30:43, 0.058  
02/04/2015, 09:45:43, 0.063  
02/04/2015, 10:00:43, 0.064  
02/04/2015, 10:15:43, 0.070  
02/04/2015, 10:30:43, 0.065  
02/04/2015, 10:45:43, 0.058  
02/04/2015, 11:00:43, 0.060  
02/04/2015, 11:15:43, 0.061  
02/04/2015, 11:30:43, 0.061  
02/04/2015, 11:45:43, 0.063  
02/04/2015, 12:00:43, 0.065  
02/04/2015, 12:15:43, 0.066  
02/04/2015, 12:30:43, 0.066  
02/04/2015, 12:45:43, 0.069  
02/04/2015, 13:00:43, 0.071  
02/04/2015, 13:15:43, 0.073  
02/04/2015, 13:30:43, 0.071  
02/04/2015, 13:45:43, 0.075  
02/04/2015, 14:00:43, 0.076  
02/04/2015, 14:15:43, 0.075

02/04/2015,14:30:43,0.078  
02/04/2015,14:45:43,0.080  
02/04/2015,15:00:43,0.077  
02/04/2015,15:15:43,0.077  
02/04/2015,15:30:43,0.079  
02/04/2015,15:45:43,0.076  
02/04/2015,16:00:43,0.080

15/02/04 08:29

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Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-907926
Unit Firmware Ver V1.10C

Running Mode Hygiene Mode
Measure Type Avg; Max; Real
Datalog Mode Continuous
Datalog Type Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID 12345678
User ID 12345678

Begin 2/4/2015 08:29:39
End 2/4/2015 16:26:55
Sample Period(s) 900
Number of Records 31

Sensor VOC(ppm)
Span 100.000
Span 2 N/A
Low Alarm 5.000
High Alarm 100.000
Over Alarm 15000.000
STEL Alarm 5.000
TWA Alarm 10.000
Measurement Gas Isobutylene
Calibration Time 2/4/2015 07:51
Peak 0.277
Min 0.139
Average 0.239

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Datalog

Table with 5 columns: Index, Date/Time, VOC(Avg), VOC(Max), VOC(Real). Rows 001-011 showing VOC readings at various times on 2/4/2015.

012	2/4/2015 11:29:39	0.233	0.268	0.230
013	2/4/2015 11:44:39	0.237	0.258	0.236
014	2/4/2015 11:59:39	0.240	0.260	0.245
015	2/4/2015 12:14:39	0.244	0.272	0.244
016	2/4/2015 12:29:39	0.248	0.296	0.251
017	2/4/2015 12:44:39	0.250	0.269	0.250
018	2/4/2015 12:59:39	0.253	0.275	0.258
019	2/4/2015 13:14:39	0.254	0.291	0.252
020	2/4/2015 13:29:39	0.257	0.286	0.257
021	2/4/2015 13:44:39	0.259	0.276	0.262
022	2/4/2015 13:59:39	0.260	0.288	0.254
023	2/4/2015 14:14:39	0.264	0.322	0.277
024	2/4/2015 14:29:39	0.265	0.300	0.263
025	2/4/2015 14:44:39	0.269	0.289	0.266
026	2/4/2015 14:59:39	0.268	0.284	0.272
027	2/4/2015 15:14:39	0.269	0.277	0.269
028	2/4/2015 15:29:39	0.269	0.277	0.269
029	2/4/2015 15:44:39	0.271	0.283	0.271
030	2/4/2015 15:59:39	0.272	0.281	0.274
031	2/4/2015 16:14:39	0.274	0.286	0.275
Peak		0.274	0.404	0.277
Min		0.132	0.155	0.139
Average		0.237	0.269	0.239

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#### TWA/STEL

Index	Date/Time	VOC(ppm)	
		(TWA)	(STEL)
001	2/4/2015 08:44:39	0.005	0.155
002	2/4/2015 08:59:39	0.009	0.139
003	2/4/2015 09:14:39	0.014	0.166
004	2/4/2015 09:29:39	0.020	0.186
005	2/4/2015 09:44:39	0.027	0.209
006	2/4/2015 09:59:39	0.034	0.225
007	2/4/2015 10:14:39	0.041	0.230
008	2/4/2015 10:29:39	0.048	0.220
009	2/4/2015 10:44:39	0.055	0.229
010	2/4/2015 10:59:39	0.063	0.255
011	2/4/2015 11:14:39	0.070	0.229
012	2/4/2015 11:29:39	0.077	0.230
013	2/4/2015 11:44:39	0.085	0.236
014	2/4/2015 11:59:39	0.092	0.245
015	2/4/2015 12:14:39	0.100	0.244
016	2/4/2015 12:29:39	0.108	0.251
017	2/4/2015 12:44:39	0.116	0.250
018	2/4/2015 12:59:39	0.124	0.258
019	2/4/2015 13:14:39	0.132	0.252
020	2/4/2015 13:29:39	0.140	0.257
021	2/4/2015 13:44:39	0.148	0.262
022	2/4/2015 13:59:39	0.156	0.254
023	2/4/2015 14:14:39	0.164	0.277
024	2/4/2015 14:29:39	0.173	0.263
025	2/4/2015 14:44:39	0.181	0.266
026	2/4/2015 14:59:39	0.189	0.272

027	2/4/2015 15:14:39	0.198	0.269
028	2/4/2015 15:29:39	0.206	0.269
029	2/4/2015 15:44:39	0.215	0.271
030	2/4/2015 15:59:39	0.223	0.274
031	2/4/2015 16:14:39	0.232	0.275

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530122515  
Test ID:.,002  
Test Abbreviation:.,MANUAL\_002  
Start Date:.,02/04/2015  
Start Time:.,08:09:58  
Duration (dd:hh:mm:ss):.,0:08:00:00  
Log Interval (mm:ss):.,15:00  
Number of points:.,32  
Notes:.,

Statistics,Channel:.,AEROSOL  
,Units:.,mg/m^3  
,Average:.,0.060  
,Minimum:.,0.044  
,Time of Minimum:.,08:24:58  
,Date of Minimum:.,02/04/2015  
,Maximum:.,0.072  
,Time of Maximum:.,15:54:58  
,Date of Maximum:.,02/04/2015

Calibration,Sensor:.,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m^3  
02/04/2015,08:24:58,0.044  
02/04/2015,08:39:58,0.046  
02/04/2015,08:54:58,0.047  
02/04/2015,09:09:58,0.049  
02/04/2015,09:24:58,0.057  
02/04/2015,09:39:58,0.057  
02/04/2015,09:54:58,0.059  
02/04/2015,10:09:58,0.059  
02/04/2015,10:24:58,0.057  
02/04/2015,10:39:58,0.052  
02/04/2015,10:54:58,0.050  
02/04/2015,11:09:58,0.052  
02/04/2015,11:24:58,0.052  
02/04/2015,11:39:58,0.056  
02/04/2015,11:54:58,0.057  
02/04/2015,12:09:58,0.058  
02/04/2015,12:24:58,0.059  
02/04/2015,12:39:58,0.060  
02/04/2015,12:54:58,0.061  
02/04/2015,13:09:58,0.063  
02/04/2015,13:24:58,0.065  
02/04/2015,13:39:58,0.069  
02/04/2015,13:54:58,0.065  
02/04/2015,14:09:58,0.066



02/04/2015,14:24:58,0.068  
02/04/2015,14:39:58,0.070  
02/04/2015,14:54:58,0.071  
02/04/2015,15:09:58,0.070  
02/04/2015,15:24:58,0.071  
02/04/2015,15:39:58,0.071  
02/04/2015,15:54:58,0.072  
02/04/2015,16:09:58,0.071

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_A  
Start Date:,02/04/2015  
Start Time:,08:09:59  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.044  
,Minimum:,0.031  
,Time of Minimum:,08:11:59  
,Date of Minimum:,02/04/2015  
,Maximum:,0.070  
,Time of Maximum:,08:20:59  
,Date of Maximum:,02/04/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/04/2015,08:10:59,0.043  
02/04/2015,08:11:59,0.031  
02/04/2015,08:12:59,0.041  
02/04/2015,08:13:59,0.039  
02/04/2015,08:14:59,0.036  
02/04/2015,08:15:59,0.037  
02/04/2015,08:16:59,0.034  
02/04/2015,08:17:59,0.039  
02/04/2015,08:18:59,0.042  
02/04/2015,08:19:59,0.049  
02/04/2015,08:20:59,0.070  
02/04/2015,08:21:59,0.065  
02/04/2015,08:22:59,0.043  
02/04/2015,08:23:59,0.047  
02/04/2015,08:24:59,0.050

15/02/04 08:29

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Summary

Unit Name MiniRAE 3000(PGM-7320)  
Unit SN 592-913116  
Unit Firmware Ver V1.20A

Running Mode Hygiene Mode  
Measure Type Avg; Max; Real  
Datalog Mode Continuous  
Datalog Type Auto  
Diagnostic Mode No  
Stop Reason Power Down

Site ID 12345678  
User ID 12345678

Begin 2/4/2015 08:29:24  
End 2/4/2015 16:32:42  
Sample Period(s) 900  
Number of Records 32

Sensor VOC(ppm)  
Span 100.000  
Span 2 N/A  
Low Alarm 5.000  
High Alarm 100.000  
Over Alarm 15000.000  
STEL Alarm 15.000  
TWA Alarm 5.000  
Measurement Gas Isobutylene  
Calibration Time 2/4/2015 08:18  
Peak 0.128  
Min 0.000  
Average 0.084

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)
001	2/4/2015 08:44:24	0.025	0.156	0.000
002	2/4/2015 08:59:24	0.016	0.222	0.012
003	2/4/2015 09:14:24	0.007	0.031	0.018
004	2/4/2015 09:29:24	0.033	0.064	0.044
005	2/4/2015 09:44:24	0.056	0.088	0.058
006	2/4/2015 09:59:24	0.071	0.105	0.073
007	2/4/2015 10:14:24	0.079	0.114	0.091
008	2/4/2015 10:29:24	0.087	0.146	0.062
009	2/4/2015 10:44:24	0.096	0.136	0.095
010	2/4/2015 10:59:24	0.098	0.132	0.065
011	2/4/2015 11:14:24	0.096	0.134	0.074

012	2/4/2015 11:29:24	0.100	0.146	0.101
013	2/4/2015 11:44:24	0.098	0.123	0.074
014	2/4/2015 11:59:24	0.100	0.132	0.108
015	2/4/2015 12:14:24	0.103	0.129	0.118
016	2/4/2015 12:29:24	0.105	0.131	0.089
017	2/4/2015 12:44:24	0.107	0.140	0.123
018	2/4/2015 12:59:24	0.109	0.144	0.113
019	2/4/2015 13:14:24	0.109	0.141	0.122
020	2/4/2015 13:29:24	0.109	0.144	0.128
021	2/4/2015 13:44:24	0.110	0.155	0.094
022	2/4/2015 13:59:24	0.114	0.208	0.097
023	2/4/2015 14:14:24	0.103	0.177	0.107
024	2/4/2015 14:29:24	0.097	0.154	0.079
025	2/4/2015 14:44:24	0.094	0.140	0.104
026	2/4/2015 14:59:24	0.090	0.127	0.083
027	2/4/2015 15:14:24	0.089	0.128	0.093
028	2/4/2015 15:29:24	0.089	0.137	0.093
029	2/4/2015 15:44:24	0.088	0.129	0.085
030	2/4/2015 15:59:24	0.090	0.124	0.082
031	2/4/2015 16:14:24	0.089	0.117	0.098
032	2/4/2015 16:29:24	0.087	0.111	0.093
Peak		0.114	0.222	0.128
Min		0.007	0.031	0.000
Average		0.086	0.133	0.084

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#### TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	2/4/2015 08:44:24	0.000	0.000
002	2/4/2015 08:59:24	0.000	0.012
003	2/4/2015 09:14:24	0.001	0.018
004	2/4/2015 09:29:24	0.002	0.044
005	2/4/2015 09:44:24	0.004	0.058
006	2/4/2015 09:59:24	0.006	0.073
007	2/4/2015 10:14:24	0.009	0.091
008	2/4/2015 10:29:24	0.011	0.062
009	2/4/2015 10:44:24	0.014	0.095
010	2/4/2015 10:59:24	0.016	0.065
011	2/4/2015 11:14:24	0.018	0.074
012	2/4/2015 11:29:24	0.022	0.101
013	2/4/2015 11:44:24	0.024	0.074
014	2/4/2015 11:59:24	0.027	0.108
015	2/4/2015 12:14:24	0.031	0.118
016	2/4/2015 12:29:24	0.034	0.089
017	2/4/2015 12:44:24	0.038	0.123
018	2/4/2015 12:59:24	0.041	0.113
019	2/4/2015 13:14:24	0.045	0.122
020	2/4/2015 13:29:24	0.049	0.128
021	2/4/2015 13:44:24	0.052	0.094
022	2/4/2015 13:59:24	0.055	0.097
023	2/4/2015 14:14:24	0.058	0.107
024	2/4/2015 14:29:24	0.061	0.079
025	2/4/2015 14:44:24	0.064	0.104

026	2/4/2015 14:59:24	0.067	0.083
027	2/4/2015 15:14:24	0.070	0.093
028	2/4/2015 15:29:24	0.072	0.093
029	2/4/2015 15:44:24	0.075	0.085
030	2/4/2015 15:59:24	0.078	0.082
031	2/4/2015 16:14:24	0.081	0.098
032	2/4/2015 16:29:24	0.084	0.093

TrakPro Version 4.61 ASCII Data File

Model: DustTrak II  
Model Number: 8530  
Serial Number: 8530143315  
Test ID: 002  
Test Abbreviation: MANUAL\_002  
Start Date: 02/04/2015  
Start Time: 08:18:52  
Duration (dd:hh:mm:ss): 0:07:30:00  
Log Interval (mm:ss): 15:00  
Number of points: 30  
Notes:

Statistics, Channel: AEROSOL  
, Units: mg/m<sup>3</sup>  
, Average: 0.055  
, Minimum: 0.029  
, Time of Minimum: 08:33:52  
, Date of Minimum: 02/04/2015  
, Maximum: 0.075  
, Time of Maximum: 15:18:52  
, Date of Maximum: 02/04/2015

Calibration, Sensor: AEROSOL  
, Cal. date: 08/14/2014

Date, Time, AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
02/04/2015, 08:33:52, 0.029  
02/04/2015, 08:48:52, 0.035  
02/04/2015, 09:03:52, 0.036  
02/04/2015, 09:18:52, 0.038  
02/04/2015, 09:33:52, 0.041  
02/04/2015, 09:48:52, 0.044  
02/04/2015, 10:03:52, 0.048  
02/04/2015, 10:18:52, 0.049  
02/04/2015, 10:33:52, 0.045  
02/04/2015, 10:48:52, 0.044  
02/04/2015, 11:03:52, 0.046  
02/04/2015, 11:18:52, 0.048  
02/04/2015, 11:33:52, 0.051  
02/04/2015, 11:48:52, 0.054  
02/04/2015, 12:03:52, 0.054  
02/04/2015, 12:18:52, 0.055  
02/04/2015, 12:33:52, 0.057  
02/04/2015, 12:48:52, 0.059  
02/04/2015, 13:03:52, 0.060  
02/04/2015, 13:18:52, 0.061  
02/04/2015, 13:33:52, 0.063  
02/04/2015, 13:48:52, 0.063  
02/04/2015, 14:03:52, 0.066  
02/04/2015, 14:18:52, 0.068

02/04/2015,14:33:52,0.072  
02/04/2015,14:48:52,0.072  
02/04/2015,15:03:52,0.072  
02/04/2015,15:18:52,0.075  
02/04/2015,15:33:52,0.074  
02/04/2015,15:48:52,0.075

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,02/05/2015  
Start Time:,07:54:07  
Duration (dd:hh:mm:ss):,0:08:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,32  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.023  
,Minimum:,0.012  
,Time of Minimum:,08:09:07  
,Date of Minimum:,02/05/2015  
,Maximum:,0.036  
,Time of Maximum:,15:39:07  
,Date of Maximum:,02/05/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/05/2015,08:09:07,0.012  
02/05/2015,08:24:07,0.015  
02/05/2015,08:39:07,0.019  
02/05/2015,08:54:07,0.018  
02/05/2015,09:09:07,0.018  
02/05/2015,09:24:07,0.017  
02/05/2015,09:39:07,0.019  
02/05/2015,09:54:07,0.019  
02/05/2015,10:09:07,0.019  
02/05/2015,10:24:07,0.020  
02/05/2015,10:39:07,0.021  
02/05/2015,10:54:07,0.021  
02/05/2015,11:09:07,0.021  
02/05/2015,11:24:07,0.022  
02/05/2015,11:39:07,0.022  
02/05/2015,11:54:07,0.022  
02/05/2015,12:09:07,0.025  
02/05/2015,12:24:07,0.020  
02/05/2015,12:39:07,0.022  
02/05/2015,12:54:07,0.022  
02/05/2015,13:09:07,0.025  
02/05/2015,13:24:07,0.020  
02/05/2015,13:39:07,0.021  
02/05/2015,13:54:07,0.031  
02/05/2015,14:09:07,0.027  
02/05/2015,14:24:07,0.031  
02/05/2015,14:39:07,0.031  
02/05/2015,14:54:07,0.029  
02/05/2015,15:09:07,0.029  
02/05/2015,15:24:07,0.032  
02/05/2015,15:39:07,0.036  
02/05/2015,15:54:07,0.035

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,02/05/2015  
Start Time:,07:56:41  
Duration (dd:hh:mm:ss):,0:08:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,32  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.021  
,Minimum:,0.011  
,Time of Minimum:,08:11:41  
,Date of Minimum:,02/05/2015  
,Maximum:,0.026  
,Time of Maximum:,15:56:41  
,Date of Maximum:,02/05/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/05/2015,08:11:41,0.011  
02/05/2015,08:26:41,0.015  
02/05/2015,08:41:41,0.018  
02/05/2015,08:56:41,0.018  
02/05/2015,09:11:41,0.020  
02/05/2015,09:26:41,0.019  
02/05/2015,09:41:41,0.022  
02/05/2015,09:56:41,0.022  
02/05/2015,10:11:41,0.022  
02/05/2015,10:26:41,0.021  
02/05/2015,10:41:41,0.022  
02/05/2015,10:56:41,0.022  
02/05/2015,11:11:41,0.021  
02/05/2015,11:26:41,0.021  
02/05/2015,11:41:41,0.021  
02/05/2015,11:56:41,0.020  
02/05/2015,12:11:41,0.021  
02/05/2015,12:26:41,0.021  
02/05/2015,12:41:41,0.020  
02/05/2015,12:56:41,0.020  
02/05/2015,13:11:41,0.020  
02/05/2015,13:26:41,0.019  
02/05/2015,13:41:41,0.022  
02/05/2015,13:56:41,0.023  
02/05/2015,14:11:41,0.021  
02/05/2015,14:26:41,0.023  
02/05/2015,14:41:41,0.023  
02/05/2015,14:56:41,0.022  
02/05/2015,15:11:41,0.023  
02/05/2015,15:26:41,0.023  
02/05/2015,15:41:41,0.025  
02/05/2015,15:56:41,0.026



15/02/05 08:15

\*\*\*\*\*

Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-913116  
 Unit Firmware Ver V1.20A  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 2/5/2015 08:15:57  
 End 2/5/2015 16:17:52  
 Sample Period(s) 900  
 Number of Records 32  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 15.000  
 TWA Alarm 5.000  
 Measurement Gas Isobutylene  
 Calibration Time 2/5/2015 07:58  
 Peak 0.171  
 Min 0.038  
 Average 0.134  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	2/5/2015 08:30:57	0.059	0.168	0.046	0.046
002	2/5/2015 08:45:57	0.037	0.061	0.038	0.038
003	2/5/2015 09:00:57	0.053	0.069	0.057	0.057
004	2/5/2015 09:15:57	0.068	0.092	0.078	0.078
005	2/5/2015 09:30:57	0.088	0.114	0.093	0.093
006	2/5/2015 09:45:57	0.111	0.143	0.129	0.129
007	2/5/2015 10:00:57	0.131	0.148	0.135	0.135
008	2/5/2015 10:15:57	0.144	0.166	0.150	0.150
009	2/5/2015 10:30:57	0.155	0.175	0.153	0.153
010	2/5/2015 10:45:57	0.159	0.186	0.163	0.163
011	2/5/2015 11:00:57	0.165	0.192	0.151	0.151
012	2/5/2015 11:15:57	0.168	0.187	0.171	0.171
013	2/5/2015 11:30:57	0.164	0.184	0.167	0.167
014	2/5/2015 11:45:57	0.164	0.182	0.142	0.142
015	2/5/2015 12:00:57	0.164	0.190	0.142	0.142
016	2/5/2015 12:15:57	0.156	0.188	0.156	0.156
017	2/5/2015 12:30:57	0.148	0.184	0.142	0.142
018	2/5/2015 12:45:57	0.140	0.164	0.135	0.135
019	2/5/2015 13:00:57	0.139	0.155	0.143	0.143
020	2/5/2015 13:15:57	0.139	0.156	0.134	0.134
021	2/5/2015 13:30:57	0.135	0.155	0.132	0.132

2-5-15 Downwind-2 VOC.txt

022	2/5/2015	13:45:57	0.130	0.148	0.131
023	2/5/2015	14:00:57	0.132	0.151	0.133
024	2/5/2015	14:15:57	0.133	0.149	0.140
025	2/5/2015	14:30:57	0.137	0.151	0.142
026	2/5/2015	14:45:57	0.145	0.160	0.145
027	2/5/2015	15:00:57	0.146	0.167	0.151
028	2/5/2015	15:15:57	0.146	0.164	0.142
029	2/5/2015	15:30:57	0.147	0.170	0.156
030	2/5/2015	15:45:57	0.149	0.168	0.158
031	2/5/2015	16:00:57	0.153	0.173	0.168
032	2/5/2015	16:15:57	0.155	0.180	0.164
Peak			0.168	0.192	0.171
Min			0.037	0.061	0.038
Average			0.133	0.157	0.134

\*\*\*\*\*

TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	2/5/2015	08:30:57	0.001 0.046
002	2/5/2015	08:45:57	0.003 0.038
003	2/5/2015	09:00:57	0.004 0.057
004	2/5/2015	09:15:57	0.007 0.078
005	2/5/2015	09:30:57	0.010 0.093
006	2/5/2015	09:45:57	0.014 0.129
007	2/5/2015	10:00:57	0.018 0.135
008	2/5/2015	10:15:57	0.023 0.150
009	2/5/2015	10:30:57	0.027 0.153
010	2/5/2015	10:45:57	0.033 0.163
011	2/5/2015	11:00:57	0.037 0.151
012	2/5/2015	11:15:57	0.043 0.171
013	2/5/2015	11:30:57	0.048 0.167
014	2/5/2015	11:45:57	0.052 0.142
015	2/5/2015	12:00:57	0.057 0.142
016	2/5/2015	12:15:57	0.062 0.156
017	2/5/2015	12:30:57	0.066 0.142
018	2/5/2015	12:45:57	0.070 0.135
019	2/5/2015	13:00:57	0.075 0.143
020	2/5/2015	13:15:57	0.079 0.134
021	2/5/2015	13:30:57	0.083 0.132
022	2/5/2015	13:45:57	0.087 0.131
023	2/5/2015	14:00:57	0.091 0.133
024	2/5/2015	14:15:57	0.096 0.140
025	2/5/2015	14:30:57	0.100 0.142
026	2/5/2015	14:45:57	0.105 0.145
027	2/5/2015	15:00:57	0.109 0.151
028	2/5/2015	15:15:57	0.114 0.142
029	2/5/2015	15:30:57	0.119 0.156
030	2/5/2015	15:45:57	0.124 0.158
031	2/5/2015	16:00:57	0.129 0.168
032	2/5/2015	16:15:57	0.134 0.164

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,02/05/2015  
Start Time:,08:02:06  
Duration (dd:hh:mm:ss):,0:08:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,32  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.012  
,Minimum:,0.007  
,Time of Minimum:,08:17:06  
,Date of Minimum:,02/05/2015  
,Maximum:,0.014  
,Time of Maximum:,13:47:06  
,Date of Maximum:,02/05/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/05/2015,08:17:06,0.007  
02/05/2015,08:32:06,0.008  
02/05/2015,08:47:06,0.009  
02/05/2015,09:02:06,0.010  
02/05/2015,09:17:06,0.011  
02/05/2015,09:32:06,0.012  
02/05/2015,09:47:06,0.012  
02/05/2015,10:02:06,0.012  
02/05/2015,10:17:06,0.013  
02/05/2015,10:32:06,0.013  
02/05/2015,10:47:06,0.013  
02/05/2015,11:02:06,0.013  
02/05/2015,11:17:06,0.013  
02/05/2015,11:32:06,0.013  
02/05/2015,11:47:06,0.013  
02/05/2015,12:02:06,0.013  
02/05/2015,12:17:06,0.013  
02/05/2015,12:32:06,0.013  
02/05/2015,12:47:06,0.012  
02/05/2015,13:02:06,0.012  
02/05/2015,13:17:06,0.012  
02/05/2015,13:32:06,0.012  
02/05/2015,13:47:06,0.014  
02/05/2015,14:02:06,0.013  
02/05/2015,14:17:06,0.014  
02/05/2015,14:32:06,0.014  
02/05/2015,14:47:06,0.014  
02/05/2015,15:02:06,0.014  
02/05/2015,15:17:06,0.013  
02/05/2015,15:32:06,0.013  
02/05/2015,15:47:06,0.013  
02/05/2015,16:02:06,0.014

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530141112  
Test ID:.,004  
Test Abbreviation:.,MANUAL\_004  
Start Date:.,02/06/2015  
Start Time:.,08:15:33  
Duration (dd:hh:mm:ss):.,0:07:30:00  
Log Interval (mm:ss):.,15:00  
Number of points:.,30  
Notes:.,

Statistics,Channel:.,AEROSOL  
,Units:.,mg/m^3  
,Average:.,0.031  
,Minimum:.,0.016  
,Time of Minimum:.,13:00:33  
,Date of Minimum:.,02/06/2015  
,Maximum:.,0.044  
,Time of Maximum:.,09:45:33  
,Date of Maximum:.,02/06/2015

Calibration,Sensor:.,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m^3  
02/06/2015,08:30:33,0.031  
02/06/2015,08:45:33,0.032  
02/06/2015,09:00:33,0.035  
02/06/2015,09:15:33,0.039  
02/06/2015,09:30:33,0.043  
02/06/2015,09:45:33,0.044  
02/06/2015,10:00:33,0.044  
02/06/2015,10:15:33,0.040  
02/06/2015,10:30:33,0.037  
02/06/2015,10:45:33,0.036  
02/06/2015,11:00:33,0.036  
02/06/2015,11:15:33,0.036  
02/06/2015,11:30:33,0.037  
02/06/2015,11:45:33,0.039  
02/06/2015,12:00:33,0.040  
02/06/2015,12:15:33,0.040  
02/06/2015,12:30:33,0.037  
02/06/2015,12:45:33,0.018  
02/06/2015,13:00:33,0.016  
02/06/2015,13:15:33,0.016  
02/06/2015,13:30:33,0.016  
02/06/2015,13:45:33,0.017  
02/06/2015,14:00:33,0.017  
02/06/2015,14:15:33,0.018  
02/06/2015,14:30:33,0.031  
02/06/2015,14:45:33,0.027  
02/06/2015,15:00:33,0.027  
02/06/2015,15:15:33,0.030  
02/06/2015,15:30:33,0.030  
02/06/2015,15:45:33,0.031

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530141112

2-6-15 Downwind-1 Dust.txt

Test ID:,004  
Test Abbreviation:,MANUAL\_004\_A  
Start Date:,02/06/2015  
Start Time:,12:27:20  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.021  
,Minimum:,0.016  
,Time of Minimum:,12:42:20  
,Date of Minimum:,02/06/2015  
,Maximum:,0.037  
,Time of Maximum:,12:28:20  
,Date of Maximum:,02/06/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/06/2015,12:28:20,0.037  
02/06/2015,12:29:20,0.028  
02/06/2015,12:30:20,0.026  
02/06/2015,12:31:20,0.024  
02/06/2015,12:32:20,0.021  
02/06/2015,12:33:20,0.020  
02/06/2015,12:34:20,0.019  
02/06/2015,12:35:20,0.019  
02/06/2015,12:36:20,0.018  
02/06/2015,12:37:20,0.018  
02/06/2015,12:38:20,0.018  
02/06/2015,12:39:20,0.017  
02/06/2015,12:40:20,0.017  
02/06/2015,12:41:20,0.017  
02/06/2015,12:42:20,0.016

15/02/06 08:29

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907926  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 2/6/2015 08:29:58  
 End 2/6/2015 12:40:48  
 Sample Period(s) 900  
 Number of Records 16  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 2/6/2015 07:57  
 Peak 0.223  
 Min 0.107  
 Average 0.179  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	2/6/2015 08:44:58	0.126	0.247	0.107	0.107
002	2/6/2015 08:59:58	0.104	0.115	0.112	0.112
003	2/6/2015 09:14:58	0.118	0.130	0.128	0.128
004	2/6/2015 09:29:58	0.136	0.154	0.140	0.140
005	2/6/2015 09:44:58	0.151	0.166	0.165	0.165
006	2/6/2015 09:59:58	0.172	0.215	0.179	0.179
007	2/6/2015 10:14:58	0.184	0.196	0.186	0.186
008	2/6/2015 10:29:58	0.189	0.204	0.189	0.189
009	2/6/2015 10:44:58	0.194	0.208	0.196	0.196
010	2/6/2015 10:59:58	0.201	0.208	0.202	0.202
011	2/6/2015 11:14:58	0.202	0.211	0.205	0.205
012	2/6/2015 11:29:58	0.202	0.213	0.205	0.205
013	2/6/2015 11:44:58	0.206	0.217	0.206	0.206
014	2/6/2015 11:59:58	0.211	0.222	0.210	0.210
015	2/6/2015 12:14:58	0.213	0.224	0.216	0.216
016	2/6/2015 12:29:58	0.216	0.244	0.223	0.223
Peak		0.216	0.247	0.223	
Min		0.104	0.115	0.107	
Average		0.177	0.198	0.179	

\*\*\*\*\*

## 2-6-15 Downwind-1 VOC-morning.txt

TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)	
001	2/6/2015 08:44:58		0.003	0.107
002	2/6/2015 08:59:58		0.007	0.112
003	2/6/2015 09:14:58		0.011	0.128
004	2/6/2015 09:29:58		0.015	0.140
005	2/6/2015 09:44:58		0.020	0.165
006	2/6/2015 09:59:58		0.026	0.179
007	2/6/2015 10:14:58		0.032	0.186
008	2/6/2015 10:29:58		0.038	0.189
009	2/6/2015 10:44:58		0.044	0.196
010	2/6/2015 10:59:58		0.050	0.202
011	2/6/2015 11:14:58		0.057	0.205
012	2/6/2015 11:29:58		0.063	0.205
013	2/6/2015 11:44:58		0.069	0.206
014	2/6/2015 11:59:58		0.076	0.210
015	2/6/2015 12:14:58		0.083	0.216
016	2/6/2015 12:29:58		0.090	0.223

15/02/06 12:29

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-909185  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 2/6/2015 12:29:40  
 End 2/6/2015 15:50:34  
 Sample Period(s) 60  
 Number of Records 200  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 50.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 4.348  
 Measurement Gas Isobutylene  
 Calibration Time 2/6/2015 12:16  
 Peak 0.335  
 Min 0.000  
 Average 0.222  
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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	2/6/2015 12:30:40	0.007	0.029	0.000	0.000
002	2/6/2015 12:31:40	0.000	0.002	0.001	0.001
003	2/6/2015 12:32:40	0.005	0.009	0.008	0.008
004	2/6/2015 12:33:40	0.010	0.014	0.014	0.014
005	2/6/2015 12:34:40	0.017	0.022	0.022	0.022
006	2/6/2015 12:35:40	0.025	0.029	0.028	0.028
007	2/6/2015 12:36:40	0.033	0.037	0.036	0.036
008	2/6/2015 12:37:40	0.042	0.047	0.045	0.045
009	2/6/2015 12:38:40	0.050	0.057	0.053	0.053
010	2/6/2015 12:39:40	0.057	0.062	0.061	0.061
011	2/6/2015 12:40:40	0.063	0.078	0.065	0.065
012	2/6/2015 12:41:40	0.068	0.073	0.072	0.072
013	2/6/2015 12:42:40	0.075	0.080	0.080	0.080
014	2/6/2015 12:43:40	0.082	0.085	0.083	0.083
015	2/6/2015 12:44:40	0.085	0.089	0.088	0.088
016	2/6/2015 12:45:40	0.091	0.096	0.095	0.095
017	2/6/2015 12:46:40	0.098	0.102	0.100	0.100
018	2/6/2015 12:47:40	0.100	0.104	0.103	0.103
019	2/6/2015 12:48:40	0.106	0.113	0.107	0.107
020	2/6/2015 12:49:40	0.106	0.108	0.104	0.104
021	2/6/2015 12:50:40	0.106	0.110	0.106	0.106



2-6-15 Downwind-1 VOC-afternoon.txt

022	2/6/2015	12:51:40	0.110	0.114	0.112
023	2/6/2015	12:52:40	0.114	0.118	0.118
024	2/6/2015	12:53:40	0.119	0.128	0.127
025	2/6/2015	12:54:40	0.118	0.126	0.118
026	2/6/2015	12:55:40	0.119	0.121	0.119
027	2/6/2015	12:56:40	0.122	0.124	0.124
028	2/6/2015	12:57:40	0.125	0.132	0.126
029	2/6/2015	12:58:40	0.127	0.132	0.123
030	2/6/2015	12:59:40	0.127	0.131	0.130
031	2/6/2015	13:00:40	0.130	0.135	0.133
032	2/6/2015	13:01:40	0.135	0.139	0.138
033	2/6/2015	13:02:40	0.139	0.143	0.143
034	2/6/2015	13:03:40	0.144	0.147	0.146
035	2/6/2015	13:04:40	0.145	0.150	0.145
036	2/6/2015	13:05:40	0.148	0.151	0.150
037	2/6/2015	13:06:40	0.152	0.157	0.155
038	2/6/2015	13:07:40	0.155	0.157	0.155
039	2/6/2015	13:08:40	0.156	0.160	0.157
040	2/6/2015	13:09:40	0.157	0.162	0.162
041	2/6/2015	13:10:40	0.162	0.168	0.166
042	2/6/2015	13:11:40	0.168	0.174	0.167
043	2/6/2015	13:12:40	0.165	0.169	0.166
044	2/6/2015	13:13:40	0.168	0.171	0.167
045	2/6/2015	13:14:40	0.174	0.179	0.179
046	2/6/2015	13:15:40	0.178	0.183	0.179
047	2/6/2015	13:16:40	0.176	0.179	0.176
048	2/6/2015	13:17:40	0.180	0.184	0.182
049	2/6/2015	13:18:40	0.180	0.183	0.180
050	2/6/2015	13:19:40	0.181	0.184	0.180
051	2/6/2015	13:20:40	0.181	0.186	0.179
052	2/6/2015	13:21:40	0.180	0.183	0.182
053	2/6/2015	13:22:40	0.188	0.192	0.188
054	2/6/2015	13:23:40	0.186	0.190	0.190
055	2/6/2015	13:24:40	0.188	0.191	0.190
056	2/6/2015	13:25:40	0.188	0.195	0.192
057	2/6/2015	13:26:40	0.191	0.198	0.196
058	2/6/2015	13:27:40	0.194	0.199	0.195
059	2/6/2015	13:28:40	0.196	0.200	0.200
060	2/6/2015	13:29:40	0.194	0.200	0.194
061	2/6/2015	13:30:40	0.197	0.201	0.200
062	2/6/2015	13:31:40	0.200	0.204	0.196
063	2/6/2015	13:32:40	0.196	0.200	0.200
064	2/6/2015	13:33:40	0.200	0.205	0.205
065	2/6/2015	13:34:40	0.203	0.206	0.203
066	2/6/2015	13:35:40	0.204	0.210	0.202
067	2/6/2015	13:36:40	0.201	0.205	0.202
068	2/6/2015	13:37:40	0.203	0.207	0.201
069	2/6/2015	13:38:40	0.203	0.207	0.206
070	2/6/2015	13:39:40	0.207	0.211	0.210
071	2/6/2015	13:40:40	0.209	0.213	0.208
072	2/6/2015	13:41:40	0.210	0.216	0.215
073	2/6/2015	13:42:40	0.210	0.214	0.210
074	2/6/2015	13:43:40	0.212	0.217	0.216
075	2/6/2015	13:44:40	0.213	0.216	0.212
076	2/6/2015	13:45:40	0.213	0.217	0.212
077	2/6/2015	13:46:40	0.212	0.214	0.210
078	2/6/2015	13:47:40	0.213	0.223	0.211
079	2/6/2015	13:48:40	0.207	0.211	0.208
080	2/6/2015	13:49:40	0.209	0.212	0.210
081	2/6/2015	13:50:40	0.214	0.219	0.217
082	2/6/2015	13:51:40	0.214	0.219	0.218
083	2/6/2015	13:52:40	0.217	0.221	0.217
084	2/6/2015	13:53:40	0.219	0.222	0.218

2-6-15 Downwind-1 VOC-afternoon.txt

085	2/6/2015	13:54:40	0.214	0.218	0.216
086	2/6/2015	13:55:40	0.216	0.220	0.216
087	2/6/2015	13:56:40	0.217	0.220	0.220
088	2/6/2015	13:57:40	0.218	0.221	0.220
089	2/6/2015	13:58:40	0.218	0.221	0.220
090	2/6/2015	13:59:40	0.220	0.225	0.220
091	2/6/2015	14:00:40	0.219	0.221	0.221
092	2/6/2015	14:01:40	0.220	0.222	0.219
093	2/6/2015	14:02:40	0.220	0.222	0.220
094	2/6/2015	14:03:40	0.221	0.223	0.223
095	2/6/2015	14:04:40	0.221	0.224	0.222
096	2/6/2015	14:05:40	0.221	0.224	0.224
097	2/6/2015	14:06:40	0.226	0.247	0.219
098	2/6/2015	14:07:40	0.222	0.224	0.224
099	2/6/2015	14:08:40	0.226	0.229	0.229
100	2/6/2015	14:09:40	0.227	0.232	0.231
101	2/6/2015	14:10:40	0.227	0.230	0.223
102	2/6/2015	14:11:40	0.229	0.236	0.232
103	2/6/2015	14:12:40	0.227	0.232	0.227
104	2/6/2015	14:13:40	0.229	0.233	0.231
105	2/6/2015	14:14:40	0.230	0.236	0.229
106	2/6/2015	14:15:40	0.232	0.238	0.235
107	2/6/2015	14:16:40	0.237	0.245	0.245
108	2/6/2015	14:17:40	0.237	0.247	0.238
109	2/6/2015	14:18:40	0.240	0.243	0.243
110	2/6/2015	14:19:40	0.242	0.245	0.243
111	2/6/2015	14:20:40	0.242	0.247	0.247
112	2/6/2015	14:21:40	0.242	0.247	0.246
113	2/6/2015	14:22:40	0.242	0.249	0.245
114	2/6/2015	14:23:40	0.244	0.251	0.242
115	2/6/2015	14:24:40	0.244	0.247	0.246
116	2/6/2015	14:25:40	0.249	0.256	0.248
117	2/6/2015	14:26:40	0.249	0.252	0.252
118	2/6/2015	14:27:40	0.253	0.262	0.251
119	2/6/2015	14:28:40	0.251	0.256	0.252
120	2/6/2015	14:29:40	0.249	0.253	0.253
121	2/6/2015	14:30:40	0.253	0.259	0.255
122	2/6/2015	14:31:40	0.254	0.257	0.254
123	2/6/2015	14:32:40	0.254	0.259	0.256
124	2/6/2015	14:33:40	0.254	0.257	0.257
125	2/6/2015	14:34:40	0.258	0.262	0.260
126	2/6/2015	14:35:40	0.258	0.261	0.257
127	2/6/2015	14:36:40	0.260	0.265	0.261
128	2/6/2015	14:37:40	0.260	0.263	0.263
129	2/6/2015	14:38:40	0.267	0.273	0.268
130	2/6/2015	14:39:40	0.267	0.273	0.269
131	2/6/2015	14:40:40	0.274	0.278	0.275
132	2/6/2015	14:41:40	0.273	0.276	0.275
133	2/6/2015	14:42:40	0.273	0.277	0.270
134	2/6/2015	14:43:40	0.275	0.278	0.278
135	2/6/2015	14:44:40	0.276	0.280	0.274
136	2/6/2015	14:45:40	0.273	0.278	0.278
137	2/6/2015	14:46:40	0.278	0.281	0.275
138	2/6/2015	14:47:40	0.278	0.282	0.281
139	2/6/2015	14:48:40	0.278	0.283	0.277
140	2/6/2015	14:49:40	0.281	0.286	0.282
141	2/6/2015	14:50:40	0.281	0.286	0.284
142	2/6/2015	14:51:40	0.282	0.285	0.284
143	2/6/2015	14:52:40	0.282	0.285	0.283
144	2/6/2015	14:53:40	0.285	0.288	0.287
145	2/6/2015	14:54:40	0.290	0.292	0.289
146	2/6/2015	14:55:40	0.290	0.297	0.293
147	2/6/2015	14:56:40	0.291	0.293	0.291

2-6-15 Downwind-1 VOC-afternoon.txt

148	2/6/2015	14:57:40	0.289	0.292	0.288
149	2/6/2015	14:58:40	0.288	0.291	0.290
150	2/6/2015	14:59:40	0.291	0.293	0.288
151	2/6/2015	15:00:40	0.290	0.293	0.293
152	2/6/2015	15:01:40	0.295	0.308	0.304
153	2/6/2015	15:02:40	0.298	0.314	0.310
154	2/6/2015	15:03:40	0.307	0.313	0.312
155	2/6/2015	15:04:40	0.317	0.324	0.314
156	2/6/2015	15:05:40	0.315	0.331	0.311
157	2/6/2015	15:06:40	0.311	0.315	0.315
158	2/6/2015	15:07:40	0.311	0.316	0.312
159	2/6/2015	15:08:40	0.310	0.315	0.295
160	2/6/2015	15:09:40	0.296	0.308	0.307
161	2/6/2015	15:10:40	0.303	0.316	0.308
162	2/6/2015	15:11:40	0.306	0.319	0.319
163	2/6/2015	15:12:40	0.312	0.321	0.308
164	2/6/2015	15:13:40	0.311	0.327	0.312
165	2/6/2015	15:14:40	0.307	0.314	0.310
166	2/6/2015	15:15:40	0.307	0.313	0.312
167	2/6/2015	15:16:40	0.317	0.324	0.314
168	2/6/2015	15:17:40	0.315	0.331	0.311
169	2/6/2015	15:18:40	0.311	0.315	0.315
170	2/6/2015	15:19:40	0.311	0.316	0.312
171	2/6/2015	15:20:40	0.310	0.315	0.312
172	2/6/2015	15:21:40	0.314	0.318	0.312
173	2/6/2015	15:22:40	0.311	0.317	0.316
174	2/6/2015	15:23:40	0.313	0.319	0.314
175	2/6/2015	15:24:40	0.312	0.318	0.308
176	2/6/2015	15:25:40	0.310	0.313	0.312
177	2/6/2015	15:26:40	0.313	0.316	0.313
178	2/6/2015	15:27:40	0.314	0.326	0.314
179	2/6/2015	15:28:40	0.314	0.317	0.313
180	2/6/2015	15:29:40	0.314	0.317	0.317
181	2/6/2015	15:30:40	0.315	0.319	0.313
182	2/6/2015	15:31:40	0.315	0.319	0.318
183	2/6/2015	15:32:40	0.318	0.324	0.321
184	2/6/2015	15:33:40	0.317	0.322	0.316
185	2/6/2015	15:34:40	0.318	0.323	0.317
186	2/6/2015	15:35:40	0.319	0.330	0.327
187	2/6/2015	15:36:40	0.321	0.334	0.320
188	2/6/2015	15:37:40	0.334	0.341	0.334
189	2/6/2015	15:38:40	0.000	0.000	0.000
190	2/6/2015	15:39:40	0.066	0.275	0.000
191	2/6/2015	15:40:40	0.000	0.000	0.325
192	2/6/2015	15:41:40	0.323	0.325	0.322
193	2/6/2015	15:42:40	0.324	0.327	0.327
194	2/6/2015	15:43:40	0.326	0.329	0.329
195	2/6/2015	15:44:40	0.329	0.332	0.330
196	2/6/2015	15:45:40	0.333	0.336	0.335
197	2/6/2015	15:46:40	0.334	0.336	0.335
198	2/6/2015	15:47:40	0.335	0.337	0.331
199	2/6/2015	15:48:40	0.336	0.342	0.335
200	2/6/2015	15:49:40	0.334	0.341	0.334
Peak		0.336	0.342	0.335	
Min		0.000	0.000	0.000	
Average		0.219	0.225	0.222	

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	2/6/2015 12:30:40	---	0.000
002	2/6/2015 12:31:40	---	0.000

## 2-6-15 Downwind-1 VOC-afternoon.txt

003	2/6/2015	12:32:40	0.000	---
004	2/6/2015	12:33:40	0.000	---
005	2/6/2015	12:34:40	0.000	---
006	2/6/2015	12:35:40	0.000	---
007	2/6/2015	12:36:40	0.000	---
008	2/6/2015	12:37:40	0.000	---
009	2/6/2015	12:38:40	0.000	---
010	2/6/2015	12:39:40	0.001	---
011	2/6/2015	12:40:40	0.001	---
012	2/6/2015	12:41:40	0.001	---
013	2/6/2015	12:42:40	0.001	---
014	2/6/2015	12:43:40	0.001	---
015	2/6/2015	12:44:40	0.001	0.044
016	2/6/2015	12:45:40	0.002	0.050
017	2/6/2015	12:46:40	0.002	0.057
018	2/6/2015	12:47:40	0.002	0.063
019	2/6/2015	12:48:40	0.002	0.069
020	2/6/2015	12:49:40	0.002	0.075
021	2/6/2015	12:50:40	0.003	0.080
022	2/6/2015	12:51:40	0.003	0.085
023	2/6/2015	12:52:40	0.003	0.090
024	2/6/2015	12:53:40	0.003	0.095
025	2/6/2015	12:54:40	0.004	0.099
026	2/6/2015	12:55:40	0.004	0.102
027	2/6/2015	12:56:40	0.004	0.106
028	2/6/2015	12:57:40	0.004	0.109
029	2/6/2015	12:58:40	0.005	0.111
030	2/6/2015	12:59:40	0.005	0.114
031	2/6/2015	13:00:40	0.005	0.117
032	2/6/2015	13:01:40	0.005	0.119
033	2/6/2015	13:02:40	0.006	0.122
034	2/6/2015	13:03:40	0.006	0.124
035	2/6/2015	13:04:40	0.006	0.127
036	2/6/2015	13:05:40	0.007	0.130
037	2/6/2015	13:06:40	0.007	0.133
038	2/6/2015	13:07:40	0.007	0.135
039	2/6/2015	13:08:40	0.008	0.137
040	2/6/2015	13:09:40	0.008	0.140
041	2/6/2015	13:10:40	0.008	0.144
042	2/6/2015	13:11:40	0.009	0.146
043	2/6/2015	13:12:40	0.009	0.149
044	2/6/2015	13:13:40	0.009	0.152
045	2/6/2015	13:14:40	0.010	0.155
046	2/6/2015	13:15:40	0.010	0.158
047	2/6/2015	13:16:40	0.011	0.161
048	2/6/2015	13:17:40	0.011	0.163
049	2/6/2015	13:18:40	0.011	0.166
050	2/6/2015	13:19:40	0.012	0.168
051	2/6/2015	13:20:40	0.012	0.170
052	2/6/2015	13:21:40	0.012	0.172
053	2/6/2015	13:22:40	0.013	0.174
054	2/6/2015	13:23:40	0.013	0.176
055	2/6/2015	13:24:40	0.014	0.178
056	2/6/2015	13:25:40	0.014	0.180
057	2/6/2015	13:26:40	0.014	0.182
058	2/6/2015	13:27:40	0.015	0.184
059	2/6/2015	13:28:40	0.015	0.186
060	2/6/2015	13:29:40	0.016	0.187
061	2/6/2015	13:30:40	0.016	0.188
062	2/6/2015	13:31:40	0.016	0.190
063	2/6/2015	13:32:40	0.017	0.191
064	2/6/2015	13:33:40	0.017	0.192
065	2/6/2015	13:34:40	0.018	0.194

## 2-6-15 Downwind-1 VOC-afternoon.txt

066	2/6/2015	13:35:40	0.018	0.196
067	2/6/2015	13:36:40	0.019	0.197
068	2/6/2015	13:37:40	0.019	0.198
069	2/6/2015	13:38:40	0.019	0.199
070	2/6/2015	13:39:40	0.020	0.200
071	2/6/2015	13:40:40	0.020	0.201
072	2/6/2015	13:41:40	0.021	0.202
073	2/6/2015	13:42:40	0.021	0.203
074	2/6/2015	13:43:40	0.022	0.205
075	2/6/2015	13:44:40	0.022	0.206
076	2/6/2015	13:45:40	0.022	0.207
077	2/6/2015	13:46:40	0.023	0.207
078	2/6/2015	13:47:40	0.023	0.208
079	2/6/2015	13:48:40	0.024	0.208
080	2/6/2015	13:49:40	0.024	0.209
081	2/6/2015	13:50:40	0.025	0.210
082	2/6/2015	13:51:40	0.025	0.211
083	2/6/2015	13:52:40	0.026	0.212
084	2/6/2015	13:53:40	0.026	0.213
085	2/6/2015	13:54:40	0.027	0.213
086	2/6/2015	13:55:40	0.027	0.214
087	2/6/2015	13:56:40	0.027	0.214
088	2/6/2015	13:57:40	0.028	0.215
089	2/6/2015	13:58:40	0.028	0.215
090	2/6/2015	13:59:40	0.029	0.216
091	2/6/2015	14:00:40	0.029	0.216
092	2/6/2015	14:01:40	0.030	0.217
093	2/6/2015	14:02:40	0.030	0.217
094	2/6/2015	14:03:40	0.031	0.218
095	2/6/2015	14:04:40	0.031	0.219
096	2/6/2015	14:05:40	0.032	0.220
097	2/6/2015	14:06:40	0.032	0.220
098	2/6/2015	14:07:40	0.032	0.220
099	2/6/2015	14:08:40	0.033	0.221
100	2/6/2015	14:09:40	0.033	0.222
101	2/6/2015	14:10:40	0.034	0.222
102	2/6/2015	14:11:40	0.034	0.223
103	2/6/2015	14:12:40	0.035	0.224
104	2/6/2015	14:13:40	0.035	0.224
105	2/6/2015	14:14:40	0.036	0.225
106	2/6/2015	14:15:40	0.036	0.226
107	2/6/2015	14:16:40	0.037	0.228
108	2/6/2015	14:17:40	0.037	0.229
109	2/6/2015	14:18:40	0.038	0.230
110	2/6/2015	14:19:40	0.038	0.232
111	2/6/2015	14:20:40	0.039	0.233
112	2/6/2015	14:21:40	0.039	0.235
113	2/6/2015	14:22:40	0.040	0.236
114	2/6/2015	14:23:40	0.040	0.237
115	2/6/2015	14:24:40	0.041	0.238
116	2/6/2015	14:25:40	0.041	0.240
117	2/6/2015	14:26:40	0.042	0.241
118	2/6/2015	14:27:40	0.042	0.243
119	2/6/2015	14:28:40	0.043	0.244
120	2/6/2015	14:29:40	0.043	0.246
121	2/6/2015	14:30:40	0.044	0.247
122	2/6/2015	14:31:40	0.045	0.248
123	2/6/2015	14:32:40	0.045	0.249
124	2/6/2015	14:33:40	0.046	0.250
125	2/6/2015	14:34:40	0.046	0.251
126	2/6/2015	14:35:40	0.047	0.252
127	2/6/2015	14:36:40	0.047	0.253
128	2/6/2015	14:37:40	0.048	0.254

## 2-6-15 Downwind-1 VOC-afternoon.txt

129	2/6/2015	14:38:40	0.048	0.256
130	2/6/2015	14:39:40	0.049	0.257
131	2/6/2015	14:40:40	0.049	0.259
132	2/6/2015	14:41:40	0.050	0.260
133	2/6/2015	14:42:40	0.051	0.262
134	2/6/2015	14:43:40	0.051	0.263
135	2/6/2015	14:44:40	0.052	0.265
136	2/6/2015	14:45:40	0.052	0.266
137	2/6/2015	14:46:40	0.053	0.268
138	2/6/2015	14:47:40	0.054	0.269
139	2/6/2015	14:48:40	0.054	0.271
140	2/6/2015	14:49:40	0.055	0.272
141	2/6/2015	14:50:40	0.055	0.274
142	2/6/2015	14:51:40	0.056	0.276
143	2/6/2015	14:52:40	0.056	0.277
144	2/6/2015	14:53:40	0.057	0.278
145	2/6/2015	14:54:40	0.058	0.279
146	2/6/2015	14:55:40	0.058	0.281
147	2/6/2015	14:56:40	0.059	0.282
148	2/6/2015	14:57:40	0.059	0.283
149	2/6/2015	14:58:40	0.060	0.284
150	2/6/2015	14:59:40	0.061	0.285
151	2/6/2015	15:00:40	0.061	0.286
152	2/6/2015	15:01:40	0.062	0.288
153	2/6/2015	15:02:40	0.063	0.290
154	2/6/2015	15:03:40	0.063	0.292
155	2/6/2015	15:04:40	0.064	0.294
156	2/6/2015	15:05:40	0.065	0.296
157	2/6/2015	15:06:40	0.065	0.298
158	2/6/2015	15:07:40	0.066	0.300
159	2/6/2015	15:08:40	0.066	0.300
160	2/6/2015	15:09:40	0.067	0.302
161	2/6/2015	15:10:40	0.068	0.303
162	2/6/2015	15:11:40	0.068	0.304
163	2/6/2015	15:12:40	0.069	0.306
164	2/6/2015	15:13:40	0.070	0.307
165	2/6/2015	15:14:40	0.070	0.309
166	2/6/2015	15:15:40	0.071	0.310
167	2/6/2015	15:16:40	0.072	0.311
168	2/6/2015	15:17:40	0.072	0.311
169	2/6/2015	15:18:40	0.073	0.311
170	2/6/2015	15:19:40	0.074	0.311
171	2/6/2015	15:20:40	0.074	0.311
172	2/6/2015	15:21:40	0.075	0.311
173	2/6/2015	15:22:40	0.076	0.311
174	2/6/2015	15:23:40	0.076	0.312
175	2/6/2015	15:24:40	0.077	0.312
176	2/6/2015	15:25:40	0.077	0.312
177	2/6/2015	15:26:40	0.078	0.312
178	2/6/2015	15:27:40	0.079	0.312
179	2/6/2015	15:28:40	0.079	0.313
180	2/6/2015	15:29:40	0.080	0.313
181	2/6/2015	15:30:40	0.081	0.313
182	2/6/2015	15:31:40	0.081	0.313
183	2/6/2015	15:32:40	0.082	0.314
184	2/6/2015	15:33:40	0.083	0.314
185	2/6/2015	15:34:40	0.083	0.314
186	2/6/2015	15:35:40	0.084	0.315
187	2/6/2015	15:36:40	0.085	0.316
188	2/6/2015	15:37:40	0.085	0.317
189	2/6/2015	15:38:40	0.085	0.296
190	2/6/2015	15:39:40	0.085	0.276
191	2/6/2015	15:40:40	0.086	0.277

2-6-15 Downwind-1 VOC-afternoon.txt

192	2/6/2015	15:41:40	0.087	0.277
193	2/6/2015	15:42:40	0.087	0.278
194	2/6/2015	15:43:40	0.088	0.279
195	2/6/2015	15:44:40	0.089	0.280
196	2/6/2015	15:45:40	0.090	0.281
197	2/6/2015	15:46:40	0.090	0.283
198	2/6/2015	15:47:40	0.091	0.283
199	2/6/2015	15:48:40	0.092	0.284
200	2/6/2015	15:49:40	0.092	0.286

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,02/06/2015  
Start Time:,08:10:11  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.040  
,Minimum:,0.033  
,Time of Minimum:,08:40:11  
,Date of Minimum:,02/06/2015  
,Maximum:,0.052  
,Time of Maximum:,15:10:11  
,Date of Maximum:,02/06/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/06/2015,08:25:11,0.036  
02/06/2015,08:40:11,0.033  
02/06/2015,08:55:11,0.036  
02/06/2015,09:10:11,0.038  
02/06/2015,09:25:11,0.041  
02/06/2015,09:40:11,0.042  
02/06/2015,09:55:11,0.042  
02/06/2015,10:10:11,0.040  
02/06/2015,10:25:11,0.037  
02/06/2015,10:40:11,0.035  
02/06/2015,10:55:11,0.035  
02/06/2015,11:10:11,0.036  
02/06/2015,11:25:11,0.035  
02/06/2015,11:40:11,0.038  
02/06/2015,11:55:11,0.038  
02/06/2015,12:10:11,0.038  
02/06/2015,12:25:11,0.040  
02/06/2015,12:40:11,0.040  
02/06/2015,12:55:11,0.039  
02/06/2015,13:10:11,0.040  
02/06/2015,13:25:11,0.039  
02/06/2015,13:40:11,0.041  
02/06/2015,13:55:11,0.042  
02/06/2015,14:10:11,0.042  
02/06/2015,14:25:11,0.044  
02/06/2015,14:40:11,0.045  
02/06/2015,14:55:11,0.047  
02/06/2015,15:10:11,0.052  
02/06/2015,15:25:11,0.049  
02/06/2015,15:40:11,0.048

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515



2-6-15 Downwind-2 Dust.txt

Test ID:,004  
Test Abbreviation:,MANUAL\_004\_A  
Start Date:,02/06/2015  
Start Time:,08:17:38  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.036  
,Minimum:,0.032  
,Time of Minimum:,08:22:38  
,Date of Minimum:,02/06/2015  
,Maximum:,0.078  
,Time of Maximum:,08:18:38  
,Date of Maximum:,02/06/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/06/2015,08:18:38,0.078  
02/06/2015,08:19:38,0.037  
02/06/2015,08:20:38,0.037  
02/06/2015,08:21:38,0.033  
02/06/2015,08:22:38,0.032  
02/06/2015,08:23:38,0.034  
02/06/2015,08:24:38,0.033  
02/06/2015,08:25:38,0.035  
02/06/2015,08:26:38,0.032  
02/06/2015,08:27:38,0.032  
02/06/2015,08:28:38,0.032  
02/06/2015,08:29:38,0.033  
02/06/2015,08:30:38,0.033  
02/06/2015,08:31:38,0.032  
02/06/2015,08:32:38,0.032

15/02/06 08:29

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-913116  
 Unit Firmware Ver V1.20A  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 2/6/2015 08:29:56  
 End 2/6/2015 16:06:24  
 Sample Period(s) 900  
 Number of Records 30  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 15.000  
 TWA Alarm 5.000  
 Measurement Gas Isobutylene  
 Calibration Time 2/6/2015 07:57  
 Peak 0.317  
 Min 0.061  
 Average 0.216  
 -----

\*\*\*\*\*

Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	2/6/2015 08:44:56	0.061	0.157	0.061	0.061
002	2/6/2015 08:59:56	0.056	0.069	0.068	0.068
003	2/6/2015 09:14:56	0.091	0.176	0.104	0.104
004	2/6/2015 09:29:56	0.118	0.144	0.129	0.129
005	2/6/2015 09:44:56	0.142	0.166	0.156	0.156
006	2/6/2015 09:59:56	0.168	0.205	0.166	0.166
007	2/6/2015 10:14:56	0.186	0.235	0.198	0.198
008	2/6/2015 10:29:56	0.196	0.238	0.201	0.201
009	2/6/2015 10:44:56	0.199	0.239	0.217	0.217
010	2/6/2015 10:59:56	0.201	0.231	0.209	0.209
011	2/6/2015 11:14:56	0.205	0.228	0.206	0.206
012	2/6/2015 11:29:56	0.208	0.236	0.208	0.208
013	2/6/2015 11:44:56	0.210	0.227	0.217	0.217
014	2/6/2015 11:59:56	0.221	0.270	0.209	0.209
015	2/6/2015 12:14:56	0.220	0.244	0.220	0.220
016	2/6/2015 12:29:56	0.223	0.245	0.223	0.223
017	2/6/2015 12:44:56	0.231	0.268	0.223	0.223
018	2/6/2015 12:59:56	0.232	0.262	0.228	0.228
019	2/6/2015 13:14:56	0.236	0.259	0.244	0.244
020	2/6/2015 13:29:56	0.243	0.277	0.254	0.254
021	2/6/2015 13:44:56	0.245	0.270	0.246	0.246

2-6-15 Downwind-2 VOC.txt

022	2/6/2015	13:59:56	0.248	0.276	0.247
023	2/6/2015	14:14:56	0.249	0.282	0.263
024	2/6/2015	14:29:56	0.258	0.288	0.251
025	2/6/2015	14:44:56	0.267	0.309	0.268
026	2/6/2015	14:59:56	0.278	0.394	0.267
027	2/6/2015	15:14:56	0.280	0.315	0.275
028	2/6/2015	15:29:56	0.302	0.427	0.317
029	2/6/2015	15:44:56	0.299	0.403	0.299
030	2/6/2015	15:59:56	0.295	0.337	0.292
Peak		0.302	0.427	0.317	
Min		0.056	0.069	0.061	
Average		0.212	0.256	0.216	

\*\*\*\*\*

TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	2/6/2015 08:44:56	0.002	0.061
002	2/6/2015 08:59:56	0.004	0.068
003	2/6/2015 09:14:56	0.007	0.104
004	2/6/2015 09:29:56	0.011	0.129
005	2/6/2015 09:44:56	0.016	0.156
006	2/6/2015 09:59:56	0.021	0.166
007	2/6/2015 10:14:56	0.028	0.198
008	2/6/2015 10:29:56	0.034	0.201
009	2/6/2015 10:44:56	0.041	0.217
010	2/6/2015 10:59:56	0.047	0.209
011	2/6/2015 11:14:56	0.054	0.206
012	2/6/2015 11:29:56	0.060	0.208
013	2/6/2015 11:44:56	0.067	0.217
014	2/6/2015 11:59:56	0.073	0.209
015	2/6/2015 12:14:56	0.080	0.220
016	2/6/2015 12:29:56	0.087	0.223
017	2/6/2015 12:44:56	0.094	0.223
018	2/6/2015 12:59:56	0.101	0.228
019	2/6/2015 13:14:56	0.109	0.244
020	2/6/2015 13:29:56	0.117	0.254
021	2/6/2015 13:44:56	0.125	0.246
022	2/6/2015 13:59:56	0.132	0.247
023	2/6/2015 14:14:56	0.141	0.263
024	2/6/2015 14:29:56	0.148	0.251
025	2/6/2015 14:44:56	0.157	0.268
026	2/6/2015 14:59:56	0.165	0.267
027	2/6/2015 15:14:56	0.174	0.275
028	2/6/2015 15:29:56	0.184	0.317
029	2/6/2015 15:44:56	0.193	0.299
030	2/6/2015 15:59:56	0.202	0.292

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,02/06/2015  
Start Time:,08:19:46  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.036  
,Minimum:,0.030  
,Time of Minimum:,10:34:46  
,Date of Minimum:,02/06/2015  
,Maximum:,0.052  
,Time of Maximum:,15:49:46  
,Date of Maximum:,02/06/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
02/06/2015,08:34:46,0.031  
02/06/2015,08:49:46,0.033  
02/06/2015,09:04:46,0.034  
02/06/2015,09:19:46,0.036  
02/06/2015,09:34:46,0.040  
02/06/2015,09:49:46,0.038  
02/06/2015,10:04:46,0.036  
02/06/2015,10:19:46,0.032  
02/06/2015,10:34:46,0.030  
02/06/2015,10:49:46,0.031  
02/06/2015,11:04:46,0.031  
02/06/2015,11:19:46,0.032  
02/06/2015,11:34:46,0.032  
02/06/2015,11:49:46,0.033  
02/06/2015,12:04:46,0.034  
02/06/2015,12:19:46,0.035  
02/06/2015,12:34:46,0.035  
02/06/2015,12:49:46,0.034  
02/06/2015,13:04:46,0.035  
02/06/2015,13:19:46,0.037  
02/06/2015,13:34:46,0.039  
02/06/2015,13:49:46,0.037  
02/06/2015,14:04:46,0.038  
02/06/2015,14:19:46,0.038  
02/06/2015,14:34:46,0.039  
02/06/2015,14:49:46,0.040  
02/06/2015,15:04:46,0.041  
02/06/2015,15:19:46,0.042  
02/06/2015,15:34:46,0.043  
02/06/2015,15:49:46,0.052

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,02/09/2015  
Start Time:,08:12:19  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.030  
,Minimum:,0.018  
,Time of Minimum:,08:27:19  
,Date of Minimum:,02/09/2015  
,Maximum:,0.035  
,Time of Maximum:,13:27:19  
,Date of Maximum:,02/09/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
02/09/2015,08:27:19,0.018  
02/09/2015,08:42:19,0.020  
02/09/2015,08:57:19,0.021  
02/09/2015,09:12:19,0.023  
02/09/2015,09:27:19,0.025  
02/09/2015,09:42:19,0.027  
02/09/2015,09:57:19,0.030  
02/09/2015,10:12:19,0.030  
02/09/2015,10:27:19,0.030  
02/09/2015,10:42:19,0.031  
02/09/2015,10:57:19,0.031  
02/09/2015,11:12:19,0.031  
02/09/2015,11:27:19,0.031  
02/09/2015,11:42:19,0.031  
02/09/2015,11:57:19,0.031  
02/09/2015,12:12:19,0.033  
02/09/2015,12:27:19,0.032  
02/09/2015,12:42:19,0.032  
02/09/2015,12:57:19,0.032  
02/09/2015,13:12:19,0.033  
02/09/2015,13:27:19,0.035  
02/09/2015,13:42:19,0.035  
02/09/2015,13:57:19,0.032  
02/09/2015,14:12:19,0.032  
02/09/2015,14:27:19,0.031  
02/09/2015,14:42:19,0.032  
02/09/2015,14:57:19,0.032  
02/09/2015,15:12:19,0.035  
02/09/2015,15:27:19,0.032  
02/09/2015,15:42:19,0.032  
02/09/2015,15:57:19,0.033

Model:,DustTrak II  
Model Number:,8530

2-9-15 Downwind-1 Dust.txt

Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,02/09/2015  
Start Time:,08:12:50  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.018  
,Minimum:,0.016  
,Time of Minimum:,08:14:50  
,Date of Minimum:,02/09/2015  
,Maximum:,0.026  
,Time of Maximum:,08:13:50  
,Date of Maximum:,02/09/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/09/2015,08:13:50,0.026  
02/09/2015,08:14:50,0.016  
02/09/2015,08:15:50,0.016  
02/09/2015,08:16:50,0.017  
02/09/2015,08:17:50,0.020  
02/09/2015,08:18:50,0.024  
02/09/2015,08:19:50,0.017  
02/09/2015,08:20:50,0.017  
02/09/2015,08:21:50,0.017  
02/09/2015,08:22:50,0.017  
02/09/2015,08:23:50,0.018  
02/09/2015,08:24:50,0.017  
02/09/2015,08:25:50,0.017  
02/09/2015,08:26:50,0.017  
02/09/2015,08:27:50,0.017

15/02/09 08:15

\*\*\*\*\*

Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-909185  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 2/9/2015 08:15:50  
 End 2/9/2015 16:03:39  
 Sample Period(s) 900  
 Number of Records 31  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 50.000  
 Over Alarm 15000.000  
 STEL Alarm 5.000  
 TWA Alarm 4.348  
 Measurement Gas Isobutylene  
 Calibration Time 2/9/2015 07:45  
 Peak 0.539  
 Min 0.200  
 Average 0.451  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	2/9/2015 08:30:50	0.192	0.275	0.200	0.200
002	2/9/2015 08:45:50	0.212	0.236	0.227	0.227
003	2/9/2015 09:00:50	0.253	0.280	0.279	0.279
004	2/9/2015 09:15:50	0.294	0.317	0.315	0.315
005	2/9/2015 09:30:50	0.333	0.352	0.351	0.351
006	2/9/2015 09:45:50	0.361	0.375	0.375	0.375
007	2/9/2015 10:00:50	0.384	0.396	0.396	0.396
008	2/9/2015 10:15:50	0.404	0.413	0.411	0.411
009	2/9/2015 10:30:50	0.418	0.428	0.425	0.425
010	2/9/2015 10:45:50	0.433	0.442	0.442	0.442
011	2/9/2015 11:00:50	0.444	0.453	0.453	0.453
012	2/9/2015 11:15:50	0.458	0.466	0.464	0.464
013	2/9/2015 11:30:50	0.466	0.471	0.470	0.470
014	2/9/2015 11:45:50	0.469	0.477	0.472	0.472
015	2/9/2015 12:00:50	0.475	0.483	0.481	0.481
016	2/9/2015 12:15:50	0.484	0.490	0.487	0.487
017	2/9/2015 12:30:50	0.489	0.494	0.491	0.491
018	2/9/2015 12:45:50	0.494	0.500	0.497	0.497
019	2/9/2015 13:00:50	0.499	0.503	0.498	0.498
020	2/9/2015 13:15:50	0.502	0.514	0.502	0.502
021	2/9/2015 13:30:50	0.505	0.513	0.506	0.506

2-9-15 Downwind-1 VOC.txt

022	2/9/2015	13:45:50	0.508	0.522	0.510
023	2/9/2015	14:00:50	0.511	0.516	0.512
024	2/9/2015	14:15:50	0.513	0.536	0.515
025	2/9/2015	14:30:50	0.517	0.534	0.518
026	2/9/2015	14:45:50	0.520	0.530	0.522
027	2/9/2015	15:00:50	0.522	0.533	0.521
028	2/9/2015	15:15:50	0.524	0.537	0.522
029	2/9/2015	15:30:50	0.528	0.534	0.533
030	2/9/2015	15:45:50	0.535	0.547	0.539
031	2/9/2015	16:00:50	0.539	0.550	0.538
Peak			0.539	0.550	0.539
Min			0.192	0.236	0.200
Average			0.445	0.459	0.451

\*\*\*\*\*

TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	2/9/2015 08:30:50	0.006	0.200
002	2/9/2015 08:45:50	0.013	0.227
003	2/9/2015 09:00:50	0.022	0.279
004	2/9/2015 09:15:50	0.032	0.315
005	2/9/2015 09:30:50	0.043	0.351
006	2/9/2015 09:45:50	0.055	0.375
007	2/9/2015 10:00:50	0.067	0.396
008	2/9/2015 10:15:50	0.080	0.411
009	2/9/2015 10:30:50	0.093	0.425
010	2/9/2015 10:45:50	0.107	0.442
011	2/9/2015 11:00:50	0.121	0.453
012	2/9/2015 11:15:50	0.136	0.464
013	2/9/2015 11:30:50	0.150	0.470
014	2/9/2015 11:45:50	0.165	0.472
015	2/9/2015 12:00:50	0.180	0.481
016	2/9/2015 12:15:50	0.195	0.487
017	2/9/2015 12:30:50	0.211	0.491
018	2/9/2015 12:45:50	0.226	0.497
019	2/9/2015 13:00:50	0.242	0.498
020	2/9/2015 13:15:50	0.257	0.502
021	2/9/2015 13:30:50	0.273	0.506
022	2/9/2015 13:45:50	0.289	0.510
023	2/9/2015 14:00:50	0.305	0.512
024	2/9/2015 14:15:50	0.321	0.515
025	2/9/2015 14:30:50	0.337	0.518
026	2/9/2015 14:45:50	0.354	0.522
027	2/9/2015 15:00:50	0.370	0.521
028	2/9/2015 15:15:50	0.386	0.522
029	2/9/2015 15:30:50	0.403	0.533
030	2/9/2015 15:45:50	0.420	0.539
031	2/9/2015 16:00:50	0.437	0.538



TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,02/09/2015  
Start Time:,08:13:29  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.029  
,Minimum:,0.020  
,Time of Minimum:,08:28:29  
,Date of Minimum:,02/09/2015  
,Maximum:,0.033  
,Time of Maximum:,12:28:29  
,Date of Maximum:,02/09/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/09/2015,08:28:29,0.020  
02/09/2015,08:43:29,0.021  
02/09/2015,08:58:29,0.023  
02/09/2015,09:13:29,0.026  
02/09/2015,09:28:29,0.028  
02/09/2015,09:43:29,0.030  
02/09/2015,09:58:29,0.030  
02/09/2015,10:13:29,0.028  
02/09/2015,10:28:29,0.029  
02/09/2015,10:43:29,0.029  
02/09/2015,10:58:29,0.029  
02/09/2015,11:13:29,0.028  
02/09/2015,11:28:29,0.029  
02/09/2015,11:43:29,0.029  
02/09/2015,11:58:29,0.030  
02/09/2015,12:13:29,0.029  
02/09/2015,12:28:29,0.033  
02/09/2015,12:43:29,0.031  
02/09/2015,12:58:29,0.030  
02/09/2015,13:13:29,0.030  
02/09/2015,13:28:29,0.031  
02/09/2015,13:43:29,0.031  
02/09/2015,13:58:29,0.028  
02/09/2015,14:13:29,0.028  
02/09/2015,14:28:29,0.029  
02/09/2015,14:43:29,0.028  
02/09/2015,14:58:29,0.029  
02/09/2015,15:13:29,0.029  
02/09/2015,15:28:29,0.033  
02/09/2015,15:43:29,0.029

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515

2-9-15 Downwind-2 Dust.txt

Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,02/09/2015  
Start Time:,12:17:23  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.033  
,Minimum:,0.027  
,Time of Minimum:,12:31:23  
,Date of Minimum:,02/09/2015  
,Maximum:,0.059  
,Time of Maximum:,12:18:23  
,Date of Maximum:,02/09/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
02/09/2015,12:18:23,0.059  
02/09/2015,12:19:23,0.034  
02/09/2015,12:20:23,0.037  
02/09/2015,12:21:23,0.033  
02/09/2015,12:22:23,0.033  
02/09/2015,12:23:23,0.032  
02/09/2015,12:24:23,0.028  
02/09/2015,12:25:23,0.032  
02/09/2015,12:26:23,0.030  
02/09/2015,12:27:23,0.029  
02/09/2015,12:28:23,0.034  
02/09/2015,12:29:23,0.030  
02/09/2015,12:30:23,0.028  
02/09/2015,12:31:23,0.027  
02/09/2015,12:32:23,0.027

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_B  
Start Date:,02/09/2015  
Start Time:,15:21:55  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.033  
,Minimum:,0.028  
,Time of Minimum:,15:36:55  
,Date of Minimum:,02/09/2015  
,Maximum:,0.040  
,Time of Maximum:,15:22:55  
,Date of Maximum:,02/09/2015

Calibration,Sensor:,AEROSOL

,Cal. date,10/09/2014

```
Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
02/09/2015,15:22:55,0.040
02/09/2015,15:23:55,0.036
02/09/2015,15:24:55,0.034
02/09/2015,15:25:55,0.035
02/09/2015,15:26:55,0.033
02/09/2015,15:27:55,0.030
02/09/2015,15:28:55,0.034
02/09/2015,15:29:55,0.029
02/09/2015,15:30:55,0.031
02/09/2015,15:31:55,0.031
02/09/2015,15:32:55,0.034
02/09/2015,15:33:55,0.032
02/09/2015,15:34:55,0.031
02/09/2015,15:35:55,0.030
02/09/2015,15:36:55,0.028
```

15/02/09 08:33

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-913116  
 Unit Firmware Ver V1.20A  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max; Real  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID 12345678  
 User ID 12345678  
 -----

Begin 2/9/2015 08:33:41  
 End 2/9/2015 16:15:25  
 Sample Period(s) 900  
 Number of Records 30  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 5.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 15.000  
 TWA Alarm 5.000  
 Measurement Gas Isobutylene  
 Calibration Time 2/9/2015 08:02  
 Peak 0.238  
 Min 0.064  
 Average 0.189  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	VOC(ppm) (Real)	VOC(ppm)
001	2/9/2015 08:48:41	0.055	0.139	0.064	0.064
002	2/9/2015 09:03:41	0.082	0.109	0.099	0.099
003	2/9/2015 09:18:41	0.112	0.136	0.124	0.124
004	2/9/2015 09:33:41	0.145	0.188	0.148	0.148
005	2/9/2015 09:48:41	0.178	0.228	0.207	0.207
006	2/9/2015 10:03:41	0.199	0.249	0.207	0.207
007	2/9/2015 10:18:41	0.210	0.327	0.211	0.211
008	2/9/2015 10:33:41	0.213	0.237	0.213	0.213
009	2/9/2015 10:48:41	0.216	0.232	0.229	0.229
010	2/9/2015 11:03:41	0.222	0.294	0.196	0.196
011	2/9/2015 11:18:41	0.219	0.242	0.214	0.214
012	2/9/2015 11:33:41	0.216	0.315	0.238	0.238
013	2/9/2015 11:48:41	0.209	0.257	0.194	0.194
014	2/9/2015 12:03:41	0.199	0.236	0.193	0.193
015	2/9/2015 12:18:41	0.196	0.215	0.200	0.200
016	2/9/2015 12:33:41	0.195	0.212	0.201	0.201
017	2/9/2015 12:48:41	0.199	0.314	0.186	0.186
018	2/9/2015 13:03:41	0.197	0.242	0.188	0.188
019	2/9/2015 13:18:41	0.195	0.240	0.188	0.188
020	2/9/2015 13:33:41	0.193	0.225	0.184	0.184
021	2/9/2015 13:48:41	0.193	0.213	0.184	0.184

2-9-15 Downwind-2 VOC.txt

022	2/9/2015	14:03:41	0.197	0.686	0.231
023	2/9/2015	14:18:41	0.194	0.240	0.188
024	2/9/2015	14:33:41	0.193	0.224	0.193
025	2/9/2015	14:48:41	0.195	0.256	0.198
026	2/9/2015	15:03:41	0.194	0.225	0.213
027	2/9/2015	15:18:41	0.194	0.220	0.201
028	2/9/2015	15:33:41	0.194	0.223	0.182
029	2/9/2015	15:48:41	0.196	0.237	0.187
030	2/9/2015	16:03:41	0.192	0.224	0.201
Peak		0.222	0.686	0.238	
Min		0.055	0.109	0.064	
Average		0.186	0.246	0.189	

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TWA/STEL

Index	Date/Time	VOC(ppm) (TWA)	VOC(ppm) (STEL)
001	2/9/2015 08:48:41	0.002	0.064
002	2/9/2015 09:03:41	0.005	0.099
003	2/9/2015 09:18:41	0.009	0.124
004	2/9/2015 09:33:41	0.014	0.148
005	2/9/2015 09:48:41	0.020	0.207
006	2/9/2015 10:03:41	0.027	0.207
007	2/9/2015 10:18:41	0.033	0.211
008	2/9/2015 10:33:41	0.040	0.213
009	2/9/2015 10:48:41	0.047	0.229
010	2/9/2015 11:03:41	0.053	0.196
011	2/9/2015 11:18:41	0.060	0.214
012	2/9/2015 11:33:41	0.067	0.238
013	2/9/2015 11:48:41	0.073	0.194
014	2/9/2015 12:03:41	0.079	0.193
015	2/9/2015 12:18:41	0.086	0.200
016	2/9/2015 12:33:41	0.092	0.201
017	2/9/2015 12:48:41	0.098	0.186
018	2/9/2015 13:03:41	0.104	0.188
019	2/9/2015 13:18:41	0.109	0.188
020	2/9/2015 13:33:41	0.115	0.184
021	2/9/2015 13:48:41	0.121	0.184
022	2/9/2015 14:03:41	0.128	0.231
023	2/9/2015 14:18:41	0.134	0.188
024	2/9/2015 14:33:41	0.140	0.193
025	2/9/2015 14:48:41	0.146	0.198
026	2/9/2015 15:03:41	0.153	0.213
027	2/9/2015 15:18:41	0.159	0.201
028	2/9/2015 15:33:41	0.165	0.182
029	2/9/2015 15:48:41	0.171	0.187
030	2/9/2015 16:03:41	0.177	0.201

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,02/09/2015  
Start Time:,08:22:05  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.024  
,Minimum:,0.017  
,Time of Minimum:,08:52:05  
,Date of Minimum:,02/09/2015  
,Maximum:,0.027  
,Time of Maximum:,13:22:05  
,Date of Maximum:,02/09/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
02/09/2015,08:37:05,0.018  
02/09/2015,08:52:05,0.017  
02/09/2015,09:07:05,0.019  
02/09/2015,09:22:05,0.019  
02/09/2015,09:37:05,0.020  
02/09/2015,09:52:05,0.021  
02/09/2015,10:07:05,0.022  
02/09/2015,10:22:05,0.022  
02/09/2015,10:37:05,0.023  
02/09/2015,10:52:05,0.023  
02/09/2015,11:07:05,0.023  
02/09/2015,11:22:05,0.024  
02/09/2015,11:37:05,0.024  
02/09/2015,11:52:05,0.024  
02/09/2015,12:07:05,0.025  
02/09/2015,12:22:05,0.025  
02/09/2015,12:37:05,0.026  
02/09/2015,12:52:05,0.025  
02/09/2015,13:07:05,0.026  
02/09/2015,13:22:05,0.027  
02/09/2015,13:37:05,0.027  
02/09/2015,13:52:05,0.026  
02/09/2015,14:07:05,0.025  
02/09/2015,14:22:05,0.024  
02/09/2015,14:37:05,0.025  
02/09/2015,14:52:05,0.025  
02/09/2015,15:07:05,0.025  
02/09/2015,15:22:05,0.026  
02/09/2015,15:37:05,0.026  
02/09/2015,15:52:05,0.024

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315

2-9-15 Upwind Dust.txt

Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,02/09/2015  
Start Time:,08:22:06  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.018  
,Minimum:,0.016  
,Time of Minimum:,08:24:06  
,Date of Minimum:,02/09/2015  
,Maximum:,0.046  
,Time of Maximum:,08:23:06  
,Date of Maximum:,02/09/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
02/09/2015,08:23:06,0.046  
02/09/2015,08:24:06,0.016  
02/09/2015,08:25:06,0.016  
02/09/2015,08:26:06,0.016  
02/09/2015,08:27:06,0.016  
02/09/2015,08:28:06,0.016  
02/09/2015,08:29:06,0.016  
02/09/2015,08:30:06,0.017  
02/09/2015,08:31:06,0.017  
02/09/2015,08:32:06,0.016  
02/09/2015,08:33:06,0.018  
02/09/2015,08:34:06,0.016  
02/09/2015,08:35:06,0.017  
02/09/2015,08:36:06,0.017  
02/09/2015,08:37:06,0.017

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_B  
Start Date:,02/09/2015  
Start Time:,08:54:38  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.019  
,Minimum:,0.017  
,Time of Minimum:,08:56:38  
,Date of Minimum:,02/09/2015  
,Maximum:,0.034  
,Time of Maximum:,08:55:38  
,Date of Maximum:,02/09/2015

Calibration,Sensor:,AEROSOL

,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m^3  
02/09/2015,08:55:38,0.034  
02/09/2015,08:56:38,0.017  
02/09/2015,08:57:38,0.017  
02/09/2015,08:58:38,0.018  
02/09/2015,08:59:38,0.017  
02/09/2015,09:00:38,0.018  
02/09/2015,09:01:38,0.018  
02/09/2015,09:02:38,0.018  
02/09/2015,09:03:38,0.018  
02/09/2015,09:04:38,0.018  
02/09/2015,09:05:38,0.018  
02/09/2015,09:06:38,0.018  
02/09/2015,09:07:38,0.019  
02/09/2015,09:08:38,0.019  
02/09/2015,09:09:38,0.019



TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,03/10/2015  
Start Time:,08:00:16  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.077  
,Minimum:,0.049  
,Time of Minimum:,14:30:16  
,Date of Minimum:,03/10/2015  
,Maximum:,0.131  
,Time of Maximum:,09:00:16  
,Date of Maximum:,03/10/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
03/10/2015,08:15:16,0.101  
03/10/2015,08:30:16,0.104  
03/10/2015,08:45:16,0.113  
03/10/2015,09:00:16,0.131  
03/10/2015,09:15:16,0.128  
03/10/2015,09:30:16,0.127  
03/10/2015,09:45:16,0.127  
03/10/2015,10:00:16,0.105  
03/10/2015,10:15:16,0.089  
03/10/2015,10:30:16,0.078  
03/10/2015,10:45:16,0.072  
03/10/2015,11:00:16,0.074  
03/10/2015,11:15:16,0.077  
03/10/2015,11:30:16,0.076  
03/10/2015,11:45:16,0.073  
03/10/2015,12:00:16,0.074  
03/10/2015,12:15:16,0.064  
03/10/2015,12:30:16,0.060  
03/10/2015,12:45:16,0.063  
03/10/2015,13:00:16,0.059  
03/10/2015,13:15:16,0.060  
03/10/2015,13:30:16,0.058  
03/10/2015,13:45:16,0.058  
03/10/2015,14:00:16,0.052  
03/10/2015,14:15:16,0.054  
03/10/2015,14:30:16,0.049  
03/10/2015,14:45:16,0.057  
03/10/2015,15:00:16,0.057  
03/10/2015,15:15:16,0.052  
03/10/2015,15:30:16,0.052  
03/10/2015,15:45:16,0.049

Model:,DustTrak II  
Model Number:,8530

Serial Number:,8530141112  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_A  
Start Date:,03/10/2015  
Start Time:,08:55:01  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.134  
,Minimum:,0.127  
,Time of Minimum:,09:08:01  
,Date of Minimum:,03/10/2015  
,Maximum:,0.149  
,Time of Maximum:,08:56:01  
,Date of Maximum:,03/10/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/10/2015,08:56:01,0.149  
03/10/2015,08:57:01,0.145  
03/10/2015,08:58:01,0.144  
03/10/2015,08:59:01,0.140  
03/10/2015,09:00:01,0.137  
03/10/2015,09:01:01,0.129  
03/10/2015,09:02:01,0.128  
03/10/2015,09:03:01,0.133  
03/10/2015,09:04:01,0.132  
03/10/2015,09:05:01,0.131  
03/10/2015,09:06:01,0.130  
03/10/2015,09:07:01,0.129  
03/10/2015,09:08:01,0.127  
03/10/2015,09:09:01,0.128  
03/10/2015,09:10:01,0.127

3-10-15 Downwind-1 VOC.txt

15/03/10 08:03

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Summary

-----  
Unit Name MiniRAE 3000(PGM-7320)  
Unit SN 592-907461  
Unit Firmware Ver v1.10C  
-----

Running Mode Hygiene Mode  
Measure Type Avg; Max  
Datalog Mode Continuous  
Datalog Type Auto  
Diagnostic Mode No  
Stop Reason Power Down  
-----

Site ID RAE00000  
User ID 00000001  
-----

Begin 3/10/2015 08:03:40  
End 3/10/2015 15:58:29  
Sample Period(s) 900  
Number of Records 31  
-----

Sensor VOC(ppm)  
Span 100.000  
Span 2 N/A  
Low Alarm 21.738  
High Alarm 43.476  
Over Alarm 15000.000  
STEL Alarm 18.902  
TWA Alarm 18.902  
Measurement Gas Isobutylene  
Calibration Time 3/10/2015 07:41  
Peak N/A  
Min N/A  
Average N/A  
-----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	3/10/2015 08:18:40	0.003	0.097
002	3/10/2015 08:33:40	0.010	0.032
003	3/10/2015 08:48:40	0.016	0.029
004	3/10/2015 09:03:40	0.013	0.028
005	3/10/2015 09:18:40	0.026	0.040
006	3/10/2015 09:33:40	0.041	0.052
007	3/10/2015 09:48:40	0.044	0.053
008	3/10/2015 10:03:40	0.024	0.038
009	3/10/2015 10:18:40	0.030	0.054
010	3/10/2015 10:33:40	0.021	0.049
011	3/10/2015 10:48:40	0.013	0.018
012	3/10/2015 11:03:40	0.015	0.022
013	3/10/2015 11:18:40	0.019	0.028
014	3/10/2015 11:33:40	0.024	0.032
015	3/10/2015 11:48:40	0.026	0.038
016	3/10/2015 12:03:40	0.035	0.058
017	3/10/2015 12:18:40	0.033	0.062
018	3/10/2015 12:33:40	0.037	0.119
019	3/10/2015 12:48:40	0.059	0.136
020	3/10/2015 13:03:40	0.030	0.040
021	3/10/2015 13:18:40	0.029	0.045

3-10-15 Downwind-1 VOC.txt

022	3/10/2015	13:33:40	0.025	0.044
023	3/10/2015	13:48:40	0.024	0.035
024	3/10/2015	14:03:40	0.025	0.041
025	3/10/2015	14:18:40	0.030	0.040
026	3/10/2015	14:33:40	0.026	0.037
027	3/10/2015	14:48:40	0.047	0.077
028	3/10/2015	15:03:40	0.045	0.075
029	3/10/2015	15:18:40	0.042	0.064
030	3/10/2015	15:33:40	0.042	0.053
031	3/10/2015	15:48:40	0.044	0.053
Peak		0.059	0.136	
Min		0.003	0.018	
Average		0.029	0.051	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,03/10/2015  
Start Time:,08:01:03  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.069  
,Minimum:,0.044  
,Time of Minimum:,15:31:03  
,Date of Minimum:,03/10/2015  
,Maximum:,0.113  
,Time of Maximum:,09:01:03  
,Date of Maximum:,03/10/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/10/2015,08:16:03,0.091  
03/10/2015,08:31:03,0.094  
03/10/2015,08:46:03,0.100  
03/10/2015,09:01:03,0.113  
03/10/2015,09:16:03,0.113  
03/10/2015,09:31:03,0.110  
03/10/2015,09:46:03,0.104  
03/10/2015,10:01:03,0.079  
03/10/2015,10:16:03,0.075  
03/10/2015,10:31:03,0.075  
03/10/2015,10:46:03,0.063  
03/10/2015,11:01:03,0.063  
03/10/2015,11:16:03,0.066  
03/10/2015,11:31:03,0.069  
03/10/2015,11:46:03,0.061  
03/10/2015,12:01:03,0.069  
03/10/2015,12:16:03,0.066  
03/10/2015,12:31:03,0.064  
03/10/2015,12:46:03,0.061  
03/10/2015,13:01:03,0.056  
03/10/2015,13:16:03,0.054  
03/10/2015,13:31:03,0.053  
03/10/2015,13:46:03,0.051  
03/10/2015,14:01:03,0.047  
03/10/2015,14:16:03,0.048  
03/10/2015,14:31:03,0.047  
03/10/2015,14:46:03,0.051  
03/10/2015,15:01:03,0.051  
03/10/2015,15:16:03,0.053  
03/10/2015,15:31:03,0.044  
03/10/2015,15:46:03,0.045

Model:,DustTrak II  
Model Number:,8530

Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_A  
Start Date:,03/10/2015  
Start Time:,08:01:04  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.091  
,Minimum:,0.090  
,Time of Minimum:,08:03:04  
,Date of Minimum:,03/10/2015  
,Maximum:,0.095  
,Time of Maximum:,08:02:04  
,Date of Maximum:,03/10/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/10/2015,08:02:04,0.095  
03/10/2015,08:03:04,0.090  
03/10/2015,08:04:04,0.090  
03/10/2015,08:05:04,0.091  
03/10/2015,08:06:04,0.091  
03/10/2015,08:07:04,0.091  
03/10/2015,08:08:04,0.093  
03/10/2015,08:09:04,0.093  
03/10/2015,08:10:04,0.091  
03/10/2015,08:11:04,0.091  
03/10/2015,08:12:04,0.091  
03/10/2015,08:13:04,0.091  
03/10/2015,08:14:04,0.090  
03/10/2015,08:15:04,0.090  
03/10/2015,08:16:04,0.090

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_B  
Start Date:,03/10/2015  
Start Time:,11:59:48  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.069  
,Minimum:,0.057  
,Time of Minimum:,12:11:48  
,Date of Minimum:,03/10/2015  
,Maximum:,0.103  
,Time of Maximum:,12:00:48  
,Date of Maximum:,03/10/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m^3  
03/10/2015,12:00:48,0.103  
03/10/2015,12:01:48,0.081  
03/10/2015,12:02:48,0.102  
03/10/2015,12:03:48,0.072  
03/10/2015,12:04:48,0.066  
03/10/2015,12:05:48,0.063  
03/10/2015,12:06:48,0.066  
03/10/2015,12:07:48,0.063  
03/10/2015,12:08:48,0.062  
03/10/2015,12:09:48,0.062  
03/10/2015,12:10:48,0.065  
03/10/2015,12:11:48,0.057  
03/10/2015,12:12:48,0.059  
03/10/2015,12:13:48,0.058  
03/10/2015,12:14:48,0.057

3-10-15 Downwind-2 VOC.txt

15/03/10 08:00

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 3/10/2015 08:00:33  
 End 3/10/2015 15:55:25  
 Sample Period(s) 900  
 Number of Records 31  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 50.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 100.000  
 TWA Alarm 10.869  
 Measurement Gas Isobutylene  
 Calibration Time 3/10/2015 07:42  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	3/10/2015 08:15:33	0.011	0.224
002	3/10/2015 08:30:33	0.000	0.005
003	3/10/2015 08:45:33	0.000	0.001
004	3/10/2015 09:00:33	0.000	0.000
005	3/10/2015 09:15:33	0.000	0.000
006	3/10/2015 09:30:33	0.000	0.000
007	3/10/2015 09:45:33	0.000	0.008
008	3/10/2015 10:00:33	0.000	0.000
009	3/10/2015 10:15:33	0.000	0.000
010	3/10/2015 10:30:33	0.000	0.001
011	3/10/2015 10:45:33	0.000	0.000
012	3/10/2015 11:00:33	0.000	0.000
013	3/10/2015 11:15:33	0.000	0.000
014	3/10/2015 11:30:33	0.000	0.000
015	3/10/2015 11:45:33	0.000	0.000
016	3/10/2015 12:00:33	0.007	0.116
017	3/10/2015 12:15:33	0.010	0.118
018	3/10/2015 12:30:33	0.009	0.069
019	3/10/2015 12:45:33	0.004	0.041
020	3/10/2015 13:00:33	0.000	0.000
021	3/10/2015 13:15:33	0.000	0.000



3-10-15 Downwind-2 VOC.txt

022	3/10/2015	13:30:33	0.000	0.000
023	3/10/2015	13:45:33	0.000	0.000
024	3/10/2015	14:00:33	0.000	0.000
025	3/10/2015	14:15:33	0.000	0.000
026	3/10/2015	14:30:33	0.000	0.000
027	3/10/2015	14:45:33	0.000	0.000
028	3/10/2015	15:00:33	0.000	0.000
029	3/10/2015	15:15:33	0.000	0.000
030	3/10/2015	15:30:33	0.000	0.000
031	3/10/2015	15:45:33	0.000	0.000
Peak		0.011	0.224	
Min		0.000	0.000	
Average		0.001	0.019	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,03/10/2015  
Start Time:,08:11:07  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.068  
,Minimum:,0.043  
,Time of Minimum:,15:56:07  
,Date of Minimum:,03/10/2015  
,Maximum:,0.120  
,Time of Maximum:,09:41:07  
,Date of Maximum:,03/10/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/10/2015,08:26:07,0.105  
03/10/2015,08:41:07,0.101  
03/10/2015,08:56:07,0.111  
03/10/2015,09:11:07,0.112  
03/10/2015,09:26:07,0.117  
03/10/2015,09:41:07,0.120  
03/10/2015,09:56:07,0.103  
03/10/2015,10:11:07,0.089  
03/10/2015,10:26:07,0.078  
03/10/2015,10:41:07,0.064  
03/10/2015,10:56:07,0.065  
03/10/2015,11:11:07,0.067  
03/10/2015,11:26:07,0.068  
03/10/2015,11:41:07,0.065  
03/10/2015,11:56:07,0.063  
03/10/2015,12:11:07,0.060  
03/10/2015,12:26:07,0.053  
03/10/2015,12:41:07,0.053  
03/10/2015,12:56:07,0.052  
03/10/2015,13:11:07,0.052  
03/10/2015,13:26:07,0.051  
03/10/2015,13:41:07,0.050  
03/10/2015,13:56:07,0.048  
03/10/2015,14:11:07,0.046  
03/10/2015,14:26:07,0.046  
03/10/2015,14:41:07,0.046  
03/10/2015,14:56:07,0.052  
03/10/2015,15:11:07,0.050  
03/10/2015,15:26:07,0.047  
03/10/2015,15:41:07,0.046  
03/10/2015,15:56:07,0.043

Model:,DustTrak II  
Model Number:,8530

3-10-15 Upwind Dust.txt

Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_A  
Start Date:,03/10/2015  
Start Time:,08:11:08  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.105  
,Minimum:,0.096  
,Time of Minimum:,08:16:08  
,Date of Minimum:,03/10/2015  
,Maximum:,0.185  
,Time of Maximum:,08:12:08  
,Date of Maximum:,03/10/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/10/2015,08:12:08,0.185  
03/10/2015,08:13:08,0.097  
03/10/2015,08:14:08,0.097  
03/10/2015,08:15:08,0.097  
03/10/2015,08:16:08,0.096  
03/10/2015,08:17:08,0.097  
03/10/2015,08:18:08,0.104  
03/10/2015,08:19:08,0.101  
03/10/2015,08:20:08,0.113  
03/10/2015,08:21:08,0.110  
03/10/2015,08:22:08,0.101  
03/10/2015,08:23:08,0.097  
03/10/2015,08:24:08,0.096  
03/10/2015,08:25:08,0.096  
03/10/2015,08:26:08,0.096

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_B  
Start Date:,03/10/2015  
Start Time:,14:56:29  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.048  
,Minimum:,0.044  
,Time of Minimum:,15:04:29  
,Date of Minimum:,03/10/2015  
,Maximum:,0.090  
,Time of Maximum:,14:57:29  
,Date of Maximum:,03/10/2015

3-10-15 Upwind Dust.txt

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/10/2015,14:57:29,0.090  
03/10/2015,14:58:29,0.055  
03/10/2015,14:59:29,0.048  
03/10/2015,15:00:29,0.045  
03/10/2015,15:01:29,0.045  
03/10/2015,15:02:29,0.045  
03/10/2015,15:03:29,0.045  
03/10/2015,15:04:29,0.044  
03/10/2015,15:05:29,0.044  
03/10/2015,15:06:29,0.045  
03/10/2015,15:07:29,0.044  
03/10/2015,15:08:29,0.044  
03/10/2015,15:09:29,0.044  
03/10/2015,15:10:29,0.044  
03/10/2015,15:11:29,0.044

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,03/11/2015  
Start Time:,07:52:42  
Duration (dd:hh:mm:ss):,0:08:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,32  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.082  
,Minimum:,0.065  
,Time of Minimum:,08:07:42  
,Date of Minimum:,03/11/2015  
,Maximum:,0.092  
,Time of Maximum:,09:52:42  
,Date of Maximum:,03/11/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
03/11/2015,08:07:42,0.065  
03/11/2015,08:22:42,0.068  
03/11/2015,08:37:42,0.076  
03/11/2015,08:52:42,0.079  
03/11/2015,09:07:42,0.085  
03/11/2015,09:22:42,0.090  
03/11/2015,09:37:42,0.088  
03/11/2015,09:52:42,0.092  
03/11/2015,10:07:42,0.087  
03/11/2015,10:22:42,0.084  
03/11/2015,10:37:42,0.084  
03/11/2015,10:52:42,0.081  
03/11/2015,11:07:42,0.083  
03/11/2015,11:22:42,0.085  
03/11/2015,11:37:42,0.085  
03/11/2015,11:52:42,0.085  
03/11/2015,12:07:42,0.087  
03/11/2015,12:22:42,0.091  
03/11/2015,12:37:42,0.082  
03/11/2015,12:52:42,0.084  
03/11/2015,13:07:42,0.077  
03/11/2015,13:22:42,0.078  
03/11/2015,13:37:42,0.080  
03/11/2015,13:52:42,0.078  
03/11/2015,14:07:42,0.084  
03/11/2015,14:22:42,0.085  
03/11/2015,14:37:42,0.083  
03/11/2015,14:52:42,0.086  
03/11/2015,15:07:42,0.085  
03/11/2015,15:22:42,0.081  
03/11/2015,15:37:42,0.076  
03/11/2015,15:52:42,0.069

3-11-15 Downwind-1 VOC.txt

15/03/11 07:56

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Summary

Unit Name MiniRAE 3000(PGM-7320)  
Unit SN 592-907461  
Unit Firmware Ver v1.10C

Running Mode Hygiene Mode  
Measure Type Avg; Max  
Datalog Mode Continuous  
Datalog Type Auto  
Diagnostic Mode No  
Stop Reason Power Down

Site ID RAE00000  
User ID 00000001

Begin 3/11/2015 07:56:35  
End 3/11/2015 16:02:18  
Sample Period(s) 900  
Number of Records 32

Sensor VOC(ppm)  
Span 100.000  
Span 2 N/A  
Low Alarm 21.738  
High Alarm 43.476  
Over Alarm 15000.000  
STEL Alarm 18.902  
TWA Alarm 18.902  
Measurement Gas Isobutylene  
Calibration Time 3/11/2015 07:38  
Peak N/A  
Min N/A  
Average N/A

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	
001	3/11/2015 08:11:35	0.029	0.178	
002	3/11/2015 08:26:35	0.014	0.023	
003	3/11/2015 08:41:35	0.020	0.030	
004	3/11/2015 08:56:35	0.029	0.040	
005	3/11/2015 09:11:35	0.038	0.046	
006	3/11/2015 09:26:35	0.044	0.079	
007	3/11/2015 09:41:35	0.044	0.065	
008	3/11/2015 09:56:35	0.048	0.075	
009	3/11/2015 10:11:35	0.048	0.125	
010	3/11/2015 10:26:35	0.042	0.064	
011	3/11/2015 10:41:35	0.040	0.045	
012	3/11/2015 10:56:35	0.039	0.051	
013	3/11/2015 11:11:35	0.040	0.047	
014	3/11/2015 11:26:35	0.040	0.053	
015	3/11/2015 11:41:35	0.035	0.056	
016	3/11/2015 11:56:35	0.039	0.046	
017	3/11/2015 12:11:35	0.047	0.082	
018	3/11/2015 12:26:35	0.057	0.078	
019	3/11/2015 12:41:35	0.042	0.063	
020	3/11/2015 12:56:35	0.047	0.066	
021	3/11/2015 13:11:35	0.040	0.051	

3-11-15 Downwind-1 VOC.txt

022	3/11/2015	13:26:35	0.042	0.054
023	3/11/2015	13:41:35	0.043	0.056
024	3/11/2015	13:56:35	0.039	0.045
025	3/11/2015	14:11:35	0.038	0.045
026	3/11/2015	14:26:35	0.032	0.043
027	3/11/2015	14:41:35	0.024	0.031
028	3/11/2015	14:56:35	0.025	0.032
029	3/11/2015	15:11:35	0.028	0.047
030	3/11/2015	15:26:35	0.033	0.040
031	3/11/2015	15:41:35	0.031	0.039
032	3/11/2015	15:56:35	0.030	0.038
Peak			0.057	0.178
Min			0.014	0.023
Average			0.037	0.057

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,03/11/2015  
Start Time:,08:04:11  
Duration (dd:hh:mm:ss):,0:08:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,32  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.071  
,Minimum:,0.057  
,Time of Minimum:,08:19:11  
,Date of Minimum:,03/11/2015  
,Maximum:,0.089  
,Time of Maximum:,12:19:11  
,Date of Maximum:,03/11/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
03/11/2015,08:19:11,0.057  
03/11/2015,08:34:11,0.072  
03/11/2015,08:49:11,0.064  
03/11/2015,09:04:11,0.068  
03/11/2015,09:19:11,0.067  
03/11/2015,09:34:11,0.072  
03/11/2015,09:49:11,0.071  
03/11/2015,10:04:11,0.076  
03/11/2015,10:19:11,0.069  
03/11/2015,10:34:11,0.068  
03/11/2015,10:49:11,0.068  
03/11/2015,11:04:11,0.069  
03/11/2015,11:19:11,0.071  
03/11/2015,11:34:11,0.071  
03/11/2015,11:49:11,0.081  
03/11/2015,12:04:11,0.078  
03/11/2015,12:19:11,0.089  
03/11/2015,12:34:11,0.073  
03/11/2015,12:49:11,0.074  
03/11/2015,13:04:11,0.070  
03/11/2015,13:19:11,0.068  
03/11/2015,13:34:11,0.068  
03/11/2015,13:49:11,0.070  
03/11/2015,14:04:11,0.074  
03/11/2015,14:19:11,0.078  
03/11/2015,14:34:11,0.076  
03/11/2015,14:49:11,0.074  
03/11/2015,15:04:11,0.074  
03/11/2015,15:19:11,0.072  
03/11/2015,15:34:11,0.066  
03/11/2015,15:49:11,0.063  
03/11/2015,16:04:11,0.058

Model:,DustTrak II



Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_A  
Start Date:,03/11/2015  
Start Time:,08:23:53  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.071  
,Minimum:,0.060  
,Time of Minimum:,08:35:53  
,Date of Minimum:,03/11/2015  
,Maximum:,0.126  
,Time of Maximum:,08:24:53  
,Date of Maximum:,03/11/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/11/2015,08:24:53,0.126  
03/11/2015,08:25:53,0.104  
03/11/2015,08:26:53,0.077  
03/11/2015,08:27:53,0.066  
03/11/2015,08:28:53,0.068  
03/11/2015,08:29:53,0.064  
03/11/2015,08:30:53,0.063  
03/11/2015,08:31:53,0.061  
03/11/2015,08:32:53,0.061  
03/11/2015,08:33:53,0.061  
03/11/2015,08:34:53,0.062  
03/11/2015,08:35:53,0.060  
03/11/2015,08:36:53,0.062  
03/11/2015,08:37:53,0.062  
03/11/2015,08:38:53,0.063

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_B  
Start Date:,03/11/2015  
Start Time:,09:51:54  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.072  
,Minimum:,0.066  
,Time of Minimum:,10:01:54  
,Date of Minimum:,03/11/2015  
,Maximum:,0.104  
,Time of Maximum:,09:52:54  
,Date of Maximum:,03/11/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m^3  
03/11/2015,09:52:54,0.104  
03/11/2015,09:53:54,0.093  
03/11/2015,09:54:54,0.068  
03/11/2015,09:55:54,0.069  
03/11/2015,09:56:54,0.069  
03/11/2015,09:57:54,0.069  
03/11/2015,09:58:54,0.069  
03/11/2015,09:59:54,0.068  
03/11/2015,10:00:54,0.067  
03/11/2015,10:01:54,0.066  
03/11/2015,10:02:54,0.068  
03/11/2015,10:03:54,0.066  
03/11/2015,10:04:54,0.067  
03/11/2015,10:05:54,0.069  
03/11/2015,10:06:54,0.069

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_C  
Start Date:,03/11/2015  
Start Time:,12:12:07  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m^3  
,Average:,0.085  
,Minimum:,0.070  
,Time of Minimum:,12:25:07  
,Date of Minimum:,03/11/2015  
,Maximum:,0.110  
,Time of Maximum:,12:19:07  
,Date of Maximum:,03/11/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m^3  
03/11/2015,12:13:07,0.109  
03/11/2015,12:14:07,0.095  
03/11/2015,12:15:07,0.099  
03/11/2015,12:16:07,0.083  
03/11/2015,12:17:07,0.078  
03/11/2015,12:18:07,0.078  
03/11/2015,12:19:07,0.110  
03/11/2015,12:20:07,0.087  
03/11/2015,12:21:07,0.074  
03/11/2015,12:22:07,0.088  
03/11/2015,12:23:07,0.081  
03/11/2015,12:24:07,0.074  
03/11/2015,12:25:07,0.070  
03/11/2015,12:26:07,0.072

03/11/2015,12:27:07,0.079

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_D  
Start Date:,03/11/2015  
Start Time:,12:44:07  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.074  
,Minimum:,0.066  
,Time of Minimum:,12:50:07  
,Date of Minimum:,03/11/2015  
,Maximum:,0.121  
,Time of Maximum:,12:45:07  
,Date of Maximum:,03/11/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/11/2015,12:45:07,0.121  
03/11/2015,12:46:07,0.075  
03/11/2015,12:47:07,0.071  
03/11/2015,12:48:07,0.070  
03/11/2015,12:49:07,0.068  
03/11/2015,12:50:07,0.066  
03/11/2015,12:51:07,0.067  
03/11/2015,12:52:07,0.069  
03/11/2015,12:53:07,0.091  
03/11/2015,12:54:07,0.075  
03/11/2015,12:55:07,0.069  
03/11/2015,12:56:07,0.069  
03/11/2015,12:57:07,0.069  
03/11/2015,12:58:07,0.068  
03/11/2015,12:59:07,0.066

3-11-15 Downwind-2 VOC.txt

15/03/11 08:03

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Summary

Unit Name MiniRAE 3000(PGM-7320)  
Unit SN 592-907523  
Unit Firmware Ver v1.10C

Running Mode Hygiene Mode  
Measure Type Avg; Max  
Datalog Mode Continuous  
Datalog Type Auto  
Diagnostic Mode No  
Stop Reason Power Down

Site ID RAE00000  
User ID 00000001

Begin 3/11/2015 08:03:57  
End 3/11/2015 16:05:45  
Sample Period(s) 900  
Number of Records 32

Sensor VOC(ppm)  
Span 100.000  
Span 2 N/A  
Low Alarm 50.000  
High Alarm 100.000  
Over Alarm 15000.000  
STEL Alarm 100.000  
TWA Alarm 10.869  
Measurement Gas Isobutylene  
Calibration Time 3/11/2015 07:36  
Peak N/A  
Min N/A  
Average N/A

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)	
001	3/11/2015 08:18:57	0.018	0.247	
002	3/11/2015 08:33:57	0.000	0.002	
003	3/11/2015 08:48:57	0.000	0.000	
004	3/11/2015 09:03:57	0.017	0.059	
005	3/11/2015 09:18:57	0.059	0.082	
006	3/11/2015 09:33:57	0.100	0.147	
007	3/11/2015 09:48:57	0.120	0.169	
008	3/11/2015 10:03:57	0.182	0.518	
009	3/11/2015 10:18:57	0.178	0.803	
010	3/11/2015 10:33:57	0.193	0.523	
011	3/11/2015 10:48:57	0.165	0.175	
012	3/11/2015 11:03:57	0.163	0.173	
013	3/11/2015 11:18:57	0.162	0.177	
014	3/11/2015 11:33:57	0.153	0.179	
015	3/11/2015 11:48:57	0.162	0.210	
016	3/11/2015 12:03:57	0.148	0.203	
017	3/11/2015 12:18:57	0.181	0.292	
018	3/11/2015 12:33:57	0.129	0.196	
019	3/11/2015 12:48:57	0.112	0.269	
020	3/11/2015 13:03:57	0.087	0.180	
021	3/11/2015 13:18:57	0.071	0.120	

3-11-15 Downwind-2 VOC.txt

022	3/11/2015	13:33:57	0.052	0.059
023	3/11/2015	13:48:57	0.050	0.057
024	3/11/2015	14:03:57	0.052	0.056
025	3/11/2015	14:18:57	0.043	0.051
026	3/11/2015	14:33:57	0.039	0.060
027	3/11/2015	14:48:57	0.043	0.057
028	3/11/2015	15:03:57	0.045	0.077
029	3/11/2015	15:18:57	0.038	0.045
030	3/11/2015	15:33:57	0.036	0.046
031	3/11/2015	15:48:57	0.031	0.079
032	3/11/2015	16:03:57	0.019	0.027
Peak		0.193	0.803	
Min		0.000	0.000	
Average		0.089	0.167	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,03/11/2015  
Start Time:,08:06:40  
Duration (dd:hh:mm:ss):,0:08:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,32  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.075  
,Minimum:,0.062  
,Time of Minimum:,16:06:40  
,Date of Minimum:,03/11/2015  
,Maximum:,0.089  
,Time of Maximum:,14:21:40  
,Date of Maximum:,03/11/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/11/2015,08:21:40,0.064  
03/11/2015,08:36:40,0.065  
03/11/2015,08:51:40,0.070  
03/11/2015,09:06:40,0.073  
03/11/2015,09:21:40,0.075  
03/11/2015,09:36:40,0.076  
03/11/2015,09:51:40,0.075  
03/11/2015,10:06:40,0.073  
03/11/2015,10:21:40,0.072  
03/11/2015,10:36:40,0.072  
03/11/2015,10:51:40,0.071  
03/11/2015,11:06:40,0.073  
03/11/2015,11:21:40,0.075  
03/11/2015,11:36:40,0.076  
03/11/2015,11:51:40,0.076  
03/11/2015,12:06:40,0.075  
03/11/2015,12:21:40,0.074  
03/11/2015,12:36:40,0.074  
03/11/2015,12:51:40,0.075  
03/11/2015,13:06:40,0.075  
03/11/2015,13:21:40,0.074  
03/11/2015,13:36:40,0.075  
03/11/2015,13:51:40,0.078  
03/11/2015,14:06:40,0.085  
03/11/2015,14:21:40,0.089  
03/11/2015,14:36:40,0.086  
03/11/2015,14:51:40,0.083  
03/11/2015,15:06:40,0.085  
03/11/2015,15:21:40,0.082  
03/11/2015,15:36:40,0.074  
03/11/2015,15:51:40,0.068  
03/11/2015,16:06:40,0.062

Model:,DustTrak II

3-11-15 Upwind Dust.txt

Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_A  
Start Date:,03/11/2015  
Start Time:,08:06:41  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.064  
,Minimum:,0.061  
,Time of Minimum:,08:11:41  
,Date of Minimum:,03/11/2015  
,Maximum:,0.090  
,Time of Maximum:,08:07:41  
,Date of Maximum:,03/11/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/11/2015,08:07:41,0.090  
03/11/2015,08:08:41,0.062  
03/11/2015,08:09:41,0.062  
03/11/2015,08:10:41,0.062  
03/11/2015,08:11:41,0.061  
03/11/2015,08:12:41,0.062  
03/11/2015,08:13:41,0.062  
03/11/2015,08:14:41,0.062  
03/11/2015,08:15:41,0.062  
03/11/2015,08:16:41,0.061  
03/11/2015,08:17:41,0.062  
03/11/2015,08:18:41,0.063  
03/11/2015,08:19:41,0.061  
03/11/2015,08:20:41,0.064  
03/11/2015,08:21:41,0.067

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,03/12/2015  
Start Time:,07:57:45  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.014  
,Minimum:,0.009  
,Time of Minimum:,14:42:45  
,Date of Minimum:,03/12/2015  
,Maximum:,0.029  
,Time of Maximum:,09:27:45  
,Date of Maximum:,03/12/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/12/2015,08:12:45,0.015  
03/12/2015,08:27:45,0.015  
03/12/2015,08:42:45,0.016  
03/12/2015,08:57:45,0.024  
03/12/2015,09:12:45,0.017  
03/12/2015,09:27:45,0.029  
03/12/2015,09:42:45,0.021  
03/12/2015,09:57:45,0.016  
03/12/2015,10:12:45,0.014  
03/12/2015,10:27:45,0.013  
03/12/2015,10:42:45,0.014  
03/12/2015,10:57:45,0.013  
03/12/2015,11:12:45,0.013  
03/12/2015,11:27:45,0.017  
03/12/2015,11:42:45,0.013  
03/12/2015,11:57:45,0.013  
03/12/2015,12:12:45,0.014  
03/12/2015,12:27:45,0.012  
03/12/2015,12:42:45,0.011  
03/12/2015,12:57:45,0.011  
03/12/2015,13:12:45,0.011  
03/12/2015,13:27:45,0.011  
03/12/2015,13:42:45,0.013  
03/12/2015,13:57:45,0.011  
03/12/2015,14:12:45,0.011  
03/12/2015,14:27:45,0.011  
03/12/2015,14:42:45,0.009  
03/12/2015,14:57:45,0.010  
03/12/2015,15:12:45,0.014  
03/12/2015,15:27:45,0.010



15/03/12 08:01

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 3/12/2015 08:01:57  
 End 3/12/2015 15:43:54  
 Sample Period(s) 900  
 Number of Records 30  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 21.738  
 High Alarm 43.476  
 Over Alarm 15000.000  
 STEL Alarm 18.902  
 TWA Alarm 18.902  
 Measurement Gas Isobutylene  
 Calibration Time 3/12/2015 07:40  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	3/12/2015 08:16:57	0.008	0.132
002	3/12/2015 08:31:57	0.000	0.000
003	3/12/2015 08:46:57	0.000	0.000
004	3/12/2015 09:01:57	0.003	0.046
005	3/12/2015 09:16:57	0.000	0.021
006	3/12/2015 09:31:57	0.013	0.129
007	3/12/2015 09:46:57	0.010	0.058
008	3/12/2015 10:01:57	0.003	0.009
009	3/12/2015 10:16:57	0.000	0.008
010	3/12/2015 10:31:57	0.000	0.000
011	3/12/2015 10:46:57	0.000	0.005
012	3/12/2015 11:01:57	0.000	0.004
013	3/12/2015 11:16:57	0.001	0.013
014	3/12/2015 11:31:57	0.005	0.032
015	3/12/2015 11:46:57	0.001	0.022
016	3/12/2015 12:01:57	0.000	0.007
017	3/12/2015 12:16:57	0.000	0.021
018	3/12/2015 12:31:57	0.000	0.000
019	3/12/2015 12:46:57	0.000	0.000
020	3/12/2015 13:01:57	0.000	0.000
021	3/12/2015 13:16:57	0.000	0.000

3-12-15 Downwind-1 VOC.prs.txt

022	3/12/2015	13:31:57	0.000	0.000
023	3/12/2015	13:46:57	0.000	0.000
024	3/12/2015	14:01:57	0.000	0.000
025	3/12/2015	14:16:57	0.000	0.000
026	3/12/2015	14:31:57	0.000	0.000
027	3/12/2015	14:46:57	0.000	0.000
028	3/12/2015	15:01:57	0.000	0.014
029	3/12/2015	15:16:57	0.000	0.024
030	3/12/2015	15:31:57	0.000	0.000
Peak		0.013	0.132	
Min		0.000	0.000	
Average		0.001	0.018	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,03/12/2015  
Start Time:,07:54:21  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.011  
,Minimum:,0.006  
,Time of Minimum:,14:54:21  
,Date of Minimum:,03/12/2015  
,Maximum:,0.024  
,Time of Maximum:,09:39:21  
,Date of Maximum:,03/12/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
03/12/2015,08:09:21,0.014  
03/12/2015,08:24:21,0.014  
03/12/2015,08:39:21,0.015  
03/12/2015,08:54:21,0.018  
03/12/2015,09:09:21,0.017  
03/12/2015,09:24:21,0.019  
03/12/2015,09:39:21,0.024  
03/12/2015,09:54:21,0.019  
03/12/2015,10:09:21,0.015  
03/12/2015,10:24:21,0.013  
03/12/2015,10:39:21,0.014  
03/12/2015,10:54:21,0.013  
03/12/2015,11:09:21,0.009  
03/12/2015,11:24:21,0.011  
03/12/2015,11:39:21,0.008  
03/12/2015,11:54:21,0.009  
03/12/2015,12:09:21,0.008  
03/12/2015,12:24:21,0.009  
03/12/2015,12:39:21,0.009  
03/12/2015,12:54:21,0.009  
03/12/2015,13:09:21,0.009  
03/12/2015,13:24:21,0.009  
03/12/2015,13:39:21,0.009  
03/12/2015,13:54:21,0.008  
03/12/2015,14:09:21,0.007  
03/12/2015,14:24:21,0.007  
03/12/2015,14:39:21,0.007  
03/12/2015,14:54:21,0.006  
03/12/2015,15:09:21,0.006  
03/12/2015,15:24:21,0.009  
03/12/2015,15:39:21,0.010

Model:,DustTrak II  
Model Number:,8530

Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_A  
Start Date:,03/12/2015  
Start Time:,07:54:22  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.014  
,Minimum:,0.011  
,Time of Minimum:,07:56:22  
,Date of Minimum:,03/12/2015  
,Maximum:,0.040  
,Time of Maximum:,07:55:22  
,Date of Maximum:,03/12/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
03/12/2015,07:55:22,0.040  
03/12/2015,07:56:22,0.011  
03/12/2015,07:57:22,0.012  
03/12/2015,07:58:22,0.012  
03/12/2015,07:59:22,0.013  
03/12/2015,08:00:22,0.012  
03/12/2015,08:01:22,0.012  
03/12/2015,08:02:22,0.012  
03/12/2015,08:03:22,0.012  
03/12/2015,08:04:22,0.013  
03/12/2015,08:05:22,0.013  
03/12/2015,08:06:22,0.013  
03/12/2015,08:07:22,0.013  
03/12/2015,08:08:22,0.013  
03/12/2015,08:09:22,0.013

15/03/12 07:54

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 3/12/2015 07:54:30  
 End 3/12/2015 15:48:05  
 Sample Period(s) 900  
 Number of Records 31  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 50.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 100.000  
 TWA Alarm 10.869  
 Measurement Gas Isobutylene  
 Calibration Time 3/12/2015 07:41  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	3/12/2015 08:09:30	0.012	0.267
002	3/12/2015 08:24:30	0.000	0.000
003	3/12/2015 08:39:30	0.006	0.303
004	3/12/2015 08:54:30	0.000	0.012
005	3/12/2015 09:09:30	0.000	0.000
006	3/12/2015 09:24:30	0.000	0.000
007	3/12/2015 09:39:30	0.000	0.006
008	3/12/2015 09:54:30	0.000	0.005
009	3/12/2015 10:09:30	0.000	0.006
010	3/12/2015 10:24:30	0.000	0.005
011	3/12/2015 10:39:30	0.000	0.003
012	3/12/2015 10:54:30	0.011	0.024
013	3/12/2015 11:09:30	0.035	0.048
014	3/12/2015 11:24:30	0.041	0.049
015	3/12/2015 11:39:30	0.036	0.041
016	3/12/2015 11:54:30	0.018	0.042
017	3/12/2015 12:09:30	0.000	0.004
018	3/12/2015 12:24:30	0.000	0.000
019	3/12/2015 12:39:30	0.000	0.000
020	3/12/2015 12:54:30	0.000	0.000
021	3/12/2015 13:09:30	0.002	0.014

3-12-15 Downwind-2 VOC.prs.txt

022	3/12/2015	13:24:30	0.034	0.056
023	3/12/2015	13:39:30	0.076	0.097
024	3/12/2015	13:54:30	0.099	0.106
025	3/12/2015	14:09:30	0.108	0.116
026	3/12/2015	14:24:30	0.092	0.109
027	3/12/2015	14:39:30	0.063	0.079
028	3/12/2015	14:54:30	0.027	0.041
029	3/12/2015	15:09:30	0.015	0.024
030	3/12/2015	15:24:30	0.015	0.022
031	3/12/2015	15:39:30	0.011	0.018
Peak		0.108	0.303	
Min		0.000	0.000	
Average		0.023	0.048	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,03/12/2015  
Start Time:,08:05:47  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.009  
,Minimum:,0.006  
,Time of Minimum:,14:35:47  
,Date of Minimum:,03/12/2015  
,Maximum:,0.015  
,Time of Maximum:,08:20:47  
,Date of Maximum:,03/12/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/12/2015,08:20:47,0.015  
03/12/2015,08:35:47,0.013  
03/12/2015,08:50:47,0.014  
03/12/2015,09:05:47,0.011  
03/12/2015,09:20:47,0.012  
03/12/2015,09:35:47,0.012  
03/12/2015,09:50:47,0.011  
03/12/2015,10:05:47,0.010  
03/12/2015,10:20:47,0.008  
03/12/2015,10:35:47,0.009  
03/12/2015,10:50:47,0.009  
03/12/2015,11:05:47,0.009  
03/12/2015,11:20:47,0.009  
03/12/2015,11:35:47,0.008  
03/12/2015,11:50:47,0.008  
03/12/2015,12:05:47,0.008  
03/12/2015,12:20:47,0.008  
03/12/2015,12:35:47,0.008  
03/12/2015,12:50:47,0.008  
03/12/2015,13:05:47,0.008  
03/12/2015,13:20:47,0.008  
03/12/2015,13:35:47,0.008  
03/12/2015,13:50:47,0.008  
03/12/2015,14:05:47,0.007  
03/12/2015,14:20:47,0.007  
03/12/2015,14:35:47,0.006  
03/12/2015,14:50:47,0.006  
03/12/2015,15:05:47,0.006  
03/12/2015,15:20:47,0.007  
03/12/2015,15:35:47,0.007  
03/12/2015,15:50:47,0.007

Model:,DustTrak II  
Model Number:,8530

3-12-15 Upwind Dust.txt

Serial Number:,8530143315  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_A  
Start Date:,03/12/2015  
Start Time:,08:05:48  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.015  
,Minimum:,0.011  
,Time of Minimum:,08:20:48  
,Date of Minimum:,03/12/2015  
,Maximum:,0.035  
,Time of Maximum:,08:06:48  
,Date of Maximum:,03/12/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
03/12/2015,08:06:48,0.035  
03/12/2015,08:07:48,0.015  
03/12/2015,08:08:48,0.015  
03/12/2015,08:09:48,0.015  
03/12/2015,08:10:48,0.015  
03/12/2015,08:11:48,0.015  
03/12/2015,08:12:48,0.015  
03/12/2015,08:13:48,0.014  
03/12/2015,08:14:48,0.014  
03/12/2015,08:15:48,0.013  
03/12/2015,08:16:48,0.014  
03/12/2015,08:17:48,0.013  
03/12/2015,08:18:48,0.012  
03/12/2015,08:19:48,0.012  
03/12/2015,08:20:48,0.011



TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530141112  
Test ID:.,005  
Test Abbreviation:.,MANUAL\_005  
Start Date:.,03/13/2015  
Start Time:.,08:05:24  
Duration (dd:hh:mm:ss):.,0:06:00:00  
Log Interval (mm:ss):.,15:00  
Number of points:.,25  
Notes:.,

Statistics,Channel:.,AEROSOL  
,Units:.,mg/m^3  
,Average:.,0.016  
,Minimum:.,0.000  
,Time of Minimum:.,08:06:32  
,Date of Minimum:.,03/13/2015  
,Maximum:.,0.021  
,Time of Maximum:.,10:05:24  
,Date of Maximum:.,03/13/2015

Calibration,Sensor:.,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m^3  
03/13/2015,08:06:32,0.000  
03/13/2015,08:20:24,0.012  
03/13/2015,08:35:24,0.013  
03/13/2015,08:50:24,0.016  
03/13/2015,09:05:24,0.019  
03/13/2015,09:20:24,0.019  
03/13/2015,09:35:24,0.020  
03/13/2015,09:50:24,0.020  
03/13/2015,10:05:24,0.021  
03/13/2015,10:20:24,0.021  
03/13/2015,10:35:24,0.021  
03/13/2015,10:50:24,0.021  
03/13/2015,11:05:24,0.020  
03/13/2015,11:20:24,0.019  
03/13/2015,11:35:24,0.018  
03/13/2015,11:50:24,0.017  
03/13/2015,12:05:24,0.016  
03/13/2015,12:20:24,0.017  
03/13/2015,12:35:24,0.016  
03/13/2015,12:50:24,0.014  
03/13/2015,13:05:24,0.014  
03/13/2015,13:20:24,0.014  
03/13/2015,13:35:24,0.014  
03/13/2015,13:50:24,0.015  
03/13/2015,14:05:24,0.015

15/03/13 08:08

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 3/13/2015 08:08:00  
 End 3/13/2015 09:04:11  
 Sample Period(s) 900  
 Number of Records 3  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 21.738  
 High Alarm 43.476  
 Over Alarm 15000.000  
 STEL Alarm 18.902  
 TWA Alarm 18.902  
 Measurement Gas Isobutylene  
 Calibration Time 3/13/2015 07:44  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	3/13/2015 08:23:00	0.002	0.089
002	3/13/2015 08:38:00	0.000	0.000
003	3/13/2015 08:53:00	0.000	0.000
Peak		0.002	0.089
Min		0.000	0.000
Average		0.001	0.030

15/03/13 09:04

\*\*\*\*\*

Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 3/13/2015 09:04:30  
 End 3/13/2015 14:15:21  
 Sample Period(s) 900  
 Number of Records 20  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 21.738  
 High Alarm 43.476  
 Over Alarm 15000.000  
 STEL Alarm 18.902  
 TWA Alarm 18.902  
 Measurement Gas Isobutylene  
 Calibration Time 3/13/2015 07:44  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	3/13/2015 09:19:30	0.014	0.024
002	3/13/2015 09:34:30	0.024	0.031
003	3/13/2015 09:49:30	0.032	0.044
004	3/13/2015 10:04:30	0.035	0.039
005	3/13/2015 10:19:30	0.038	0.044
006	3/13/2015 10:34:30	0.041	0.046
007	3/13/2015 10:49:30	0.042	0.046
008	3/13/2015 11:04:30	0.046	0.051
009	3/13/2015 11:19:30	0.049	0.054
010	3/13/2015 11:34:30	0.049	0.054
011	3/13/2015 11:49:30	0.047	0.051
012	3/13/2015 12:04:30	0.045	0.049
013	3/13/2015 12:19:30	0.049	0.054
014	3/13/2015 12:34:30	0.049	0.055
015	3/13/2015 12:49:30	0.049	0.053
016	3/13/2015 13:04:30	0.048	0.054
017	3/13/2015 13:19:30	0.047	0.054
018	3/13/2015 13:34:30	0.054	0.063
019	3/13/2015 13:49:30	0.038	0.055
020	3/13/2015 14:04:30	0.022	0.027
Peak		0.054 0.063	

3-13-15 Downwind-1B VOC.prs.txt

Min	0.014	0.024
Average	0.041	0.047

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530122515  
Test ID:.,005  
Test Abbreviation:.,MANUAL\_005  
Start Date:.,03/13/2015  
Start Time:.,08:00:19  
Duration (dd:hh:mm:ss):.,0:06:15:00  
Log Interval (mm:ss):.,15:00  
Number of points:.,25  
Notes:.,

Statistics,Channel:.,AEROSOL  
,Units:.,mg/m^3  
,Average:.,0.017  
,Minimum:.,0.012  
,Time of Minimum:.,13:30:19  
,Date of Minimum:.,03/13/2015  
,Maximum:.,0.068  
,Time of Maximum:.,08:15:19  
,Date of Maximum:.,03/13/2015

Calibration,Sensor:.,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m^3  
03/13/2015,08:15:19,0.068  
03/13/2015,08:30:19,0.013  
03/13/2015,08:45:19,0.015  
03/13/2015,09:00:19,0.017  
03/13/2015,09:15:19,0.017  
03/13/2015,09:30:19,0.017  
03/13/2015,09:45:19,0.017  
03/13/2015,10:00:19,0.017  
03/13/2015,10:15:19,0.018  
03/13/2015,10:30:19,0.017  
03/13/2015,10:45:19,0.017  
03/13/2015,11:00:19,0.016  
03/13/2015,11:15:19,0.016  
03/13/2015,11:30:19,0.016  
03/13/2015,11:45:19,0.016  
03/13/2015,12:00:19,0.015  
03/13/2015,12:15:19,0.015  
03/13/2015,12:30:19,0.015  
03/13/2015,12:45:19,0.014  
03/13/2015,13:00:19,0.013  
03/13/2015,13:15:19,0.013  
03/13/2015,13:30:19,0.012  
03/13/2015,13:45:19,0.012  
03/13/2015,14:00:19,0.013  
03/13/2015,14:15:19,0.014

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530122515  
Test ID:.,005  
Test Abbreviation:.,MANUAL\_005\_A  
Start Date:.,03/13/2015  
Start Time:.,08:00:24  
Duration (dd:hh:mm:ss):.,0:00:15:00

Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.068  
,Minimum:,0.012  
,Time of Minimum:,08:04:24  
,Date of Minimum:,03/13/2015  
,Maximum:,0.846  
,Time of Maximum:,08:01:24  
,Date of Maximum:,03/13/2015

Calibration,Sensor:,AEROSOL  
,cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
03/13/2015,08:01:24,0.846  
03/13/2015,08:02:24,0.013  
03/13/2015,08:03:24,0.013  
03/13/2015,08:04:24,0.012  
03/13/2015,08:05:24,0.012  
03/13/2015,08:06:24,0.013  
03/13/2015,08:07:24,0.013  
03/13/2015,08:08:24,0.013  
03/13/2015,08:09:24,0.013  
03/13/2015,08:10:24,0.012  
03/13/2015,08:11:24,0.013  
03/13/2015,08:12:24,0.013  
03/13/2015,08:13:24,0.013  
03/13/2015,08:14:24,0.013  
03/13/2015,08:15:24,0.013

15/03/13 08:00

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 3/13/2015 08:00:37  
 End 3/13/2015 14:18:05  
 Sample Period(s) 900  
 Number of Records 25  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 50.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 100.000  
 TWA Alarm 10.869  
 Measurement Gas Isobutylene  
 Calibration Time 3/13/2015 07:42  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	3/13/2015 08:15:37	0.024	0.258
002	3/13/2015 08:30:37	0.000	0.000
003	3/13/2015 08:45:37	0.000	0.000
004	3/13/2015 09:00:37	0.000	0.000
005	3/13/2015 09:15:37	0.000	0.000
006	3/13/2015 09:30:37	0.000	0.000
007	3/13/2015 09:45:37	0.000	0.000
008	3/13/2015 10:00:37	0.000	0.000
009	3/13/2015 10:15:37	0.000	0.000
010	3/13/2015 10:30:37	0.000	0.002
011	3/13/2015 10:45:37	0.001	0.008
012	3/13/2015 11:00:37	0.005	0.010
013	3/13/2015 11:15:37	0.012	0.018
014	3/13/2015 11:30:37	0.021	0.028
015	3/13/2015 11:45:37	0.027	0.034
016	3/13/2015 12:00:37	0.035	0.043
017	3/13/2015 12:15:37	0.054	0.068
018	3/13/2015 12:30:37	0.085	0.107
019	3/13/2015 12:45:37	0.126	0.145
020	3/13/2015 13:00:37	0.161	0.172
021	3/13/2015 13:15:37	0.168	0.175

3-13-15 Downwind-2 VOC.prs.txt

022	3/13/2015	13:30:37	0.165	0.172
023	3/13/2015	13:45:37	0.152	0.172
024	3/13/2015	14:00:37	0.113	0.131
025	3/13/2015	14:15:37	0.116	0.123
Peak		0.168	0.258	
Min		0.000	0.000	
Average		0.051	0.067	



TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530143315  
Test ID:.,005  
Test Abbreviation:.,MANUAL\_005  
Start Date:.,03/13/2015  
Start Time:.,08:25:15  
Duration (dd:hh:mm:ss):.,0:05:45:00  
Log Interval (mm:ss):.,15:00  
Number of points:.,23  
Notes:.,

Statistics,Channel:.,AEROSOL  
,Units:.,mg/m<sup>3</sup>  
,Average:.,0.015  
,Minimum:.,0.012  
,Time of Minimum:.,12:55:15  
,Date of Minimum:.,03/13/2015  
,Maximum:.,0.026  
,Time of Maximum:.,08:40:15  
,Date of Maximum:.,03/13/2015

Calibration,Sensor:.,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
03/13/2015,08:40:15,0.026  
03/13/2015,08:55:15,0.016  
03/13/2015,09:10:15,0.015  
03/13/2015,09:25:15,0.016  
03/13/2015,09:40:15,0.016  
03/13/2015,09:55:15,0.017  
03/13/2015,10:10:15,0.014  
03/13/2015,10:25:15,0.015  
03/13/2015,10:40:15,0.014  
03/13/2015,10:55:15,0.013  
03/13/2015,11:10:15,0.014  
03/13/2015,11:25:15,0.014  
03/13/2015,11:40:15,0.013  
03/13/2015,11:55:15,0.014  
03/13/2015,12:10:15,0.016  
03/13/2015,12:25:15,0.016  
03/13/2015,12:40:15,0.015  
03/13/2015,12:55:15,0.012  
03/13/2015,13:10:15,0.012  
03/13/2015,13:25:15,0.013  
03/13/2015,13:40:15,0.013  
03/13/2015,13:55:15,0.014  
03/13/2015,14:10:15,0.013

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530143315  
Test ID:.,005  
Test Abbreviation:.,MANUAL\_005\_A  
Start Date:.,03/13/2015  
Start Time:.,08:25:16  
Duration (dd:hh:mm:ss):.,0:00:15:00  
Log Interval (mm:ss):.,01:00  
Number of points:.,15

Notes:

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.026  
,Minimum:,0.012  
,Time of Minimum:,08:28:16  
,Date of Minimum:,03/13/2015  
,Maximum:,0.214  
,Time of Maximum:,08:26:16  
,Date of Maximum:,03/13/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/13/2015,08:26:16,0.214  
03/13/2015,08:27:16,0.013  
03/13/2015,08:28:16,0.012  
03/13/2015,08:29:16,0.012  
03/13/2015,08:30:16,0.013  
03/13/2015,08:31:16,0.013  
03/13/2015,08:32:16,0.013  
03/13/2015,08:33:16,0.013  
03/13/2015,08:34:16,0.013  
03/13/2015,08:35:16,0.013  
03/13/2015,08:36:16,0.014  
03/13/2015,08:37:16,0.013  
03/13/2015,08:38:16,0.013  
03/13/2015,08:39:16,0.012  
03/13/2015,08:40:16,0.014

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,03/16/2015  
Start Time:,08:03:57  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.052  
,Minimum:,0.043  
,Time of Minimum:,08:18:57  
,Date of Minimum:,03/16/2015  
,Maximum:,0.062  
,Time of Maximum:,08:48:57  
,Date of Maximum:,03/16/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/16/2015,08:18:57,0.043  
03/16/2015,08:33:57,0.047  
03/16/2015,08:48:57,0.062  
03/16/2015,09:03:57,0.056  
03/16/2015,09:18:57,0.048  
03/16/2015,09:33:57,0.050  
03/16/2015,09:48:57,0.052  
03/16/2015,10:03:57,0.047  
03/16/2015,10:18:57,0.049  
03/16/2015,10:33:57,0.048  
03/16/2015,10:48:57,0.046  
03/16/2015,11:03:57,0.049  
03/16/2015,11:18:57,0.051  
03/16/2015,11:33:57,0.052  
03/16/2015,11:48:57,0.047  
03/16/2015,12:03:57,0.050  
03/16/2015,12:18:57,0.054  
03/16/2015,12:33:57,0.053  
03/16/2015,12:48:57,0.053  
03/16/2015,13:03:57,0.052  
03/16/2015,13:18:57,0.051  
03/16/2015,13:33:57,0.053  
03/16/2015,13:48:57,0.053  
03/16/2015,14:03:57,0.053  
03/16/2015,14:18:57,0.056  
03/16/2015,14:33:57,0.056  
03/16/2015,14:48:57,0.055  
03/16/2015,15:03:57,0.055  
03/16/2015,15:18:57,0.056

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001

Test Abbreviation:,MANUAL\_001\_A  
Start Date:,03/16/2015  
Start Time:,11:21:44  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.051  
,Minimum:,0.046  
,Time of Minimum:,11:32:44  
,Date of Minimum:,03/16/2015  
,Maximum:,0.064  
,Time of Maximum:,11:22:44  
,Date of Maximum:,03/16/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
03/16/2015,11:22:44,0.064  
03/16/2015,11:23:44,0.055  
03/16/2015,11:24:44,0.051  
03/16/2015,11:25:44,0.047  
03/16/2015,11:26:44,0.047  
03/16/2015,11:27:44,0.051  
03/16/2015,11:28:44,0.052  
03/16/2015,11:29:44,0.051  
03/16/2015,11:30:44,0.049  
03/16/2015,11:31:44,0.049  
03/16/2015,11:32:44,0.046  
03/16/2015,11:33:44,0.054  
03/16/2015,11:34:44,0.048  
03/16/2015,11:35:44,0.049  
03/16/2015,11:36:44,0.049

15/03/16 08:08

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 3/16/2015 08:08:46  
 End 3/16/2015 15:31:50  
 Sample Period(s) 900  
 Number of Records 29  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 21.738  
 High Alarm 43.476  
 Over Alarm 15000.000  
 STEL Alarm 18.902  
 TWA Alarm 18.902  
 Measurement Gas Isobutylene  
 Calibration Time 3/16/2015 07:43  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	3/16/2015 08:23:46	0.006	0.140
002	3/16/2015 08:38:46	0.000	0.000
003	3/16/2015 08:53:46	0.000	0.000
004	3/16/2015 09:08:46	0.000	0.000
005	3/16/2015 09:23:46	0.000	0.003
006	3/16/2015 09:38:46	0.004	0.010
007	3/16/2015 09:53:46	0.015	0.026
008	3/16/2015 10:08:46	0.022	0.041
009	3/16/2015 10:23:46	0.030	0.041
010	3/16/2015 10:38:46	0.029	0.042
011	3/16/2015 10:53:46	0.029	0.054
012	3/16/2015 11:08:46	0.033	0.073
013	3/16/2015 11:23:46	0.032	0.050
014	3/16/2015 11:38:46	0.039	0.069
015	3/16/2015 11:53:46	0.029	0.049
016	3/16/2015 12:08:46	0.030	0.042
017	3/16/2015 12:23:46	0.028	0.035
018	3/16/2015 12:38:46	0.027	0.035
019	3/16/2015 12:53:46	0.029	0.044
020	3/16/2015 13:08:46	0.031	0.046
021	3/16/2015 13:23:46	0.028	0.035

3-16-15 Downwind-1 VOC.prs.txt

022	3/16/2015	13:38:46	0.029	0.037
023	3/16/2015	13:53:46	0.024	0.033
024	3/16/2015	14:08:46	0.031	0.072
025	3/16/2015	14:23:46	0.025	0.039
026	3/16/2015	14:38:46	0.022	0.032
027	3/16/2015	14:53:46	0.017	0.024
028	3/16/2015	15:08:46	0.017	0.025
029	3/16/2015	15:23:46	0.019	0.023
Peak		0.039	0.140	
Min		0.000	0.000	
Average		0.022	0.039	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,03/16/2015  
Start Time:,08:03:07  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.043  
,Minimum:,0.036  
,Time of Minimum:,08:18:07  
,Date of Minimum:,03/16/2015  
,Maximum:,0.051  
,Time of Maximum:,09:03:07  
,Date of Maximum:,03/16/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/16/2015,08:18:07,0.036  
03/16/2015,08:33:07,0.036  
03/16/2015,08:48:07,0.044  
03/16/2015,09:03:07,0.051  
03/16/2015,09:18:07,0.039  
03/16/2015,09:33:07,0.041  
03/16/2015,09:48:07,0.040  
03/16/2015,10:03:07,0.040  
03/16/2015,10:18:07,0.039  
03/16/2015,10:33:07,0.038  
03/16/2015,10:48:07,0.038  
03/16/2015,11:03:07,0.040  
03/16/2015,11:18:07,0.041  
03/16/2015,11:33:07,0.041  
03/16/2015,11:48:07,0.041  
03/16/2015,12:03:07,0.041  
03/16/2015,12:18:07,0.044  
03/16/2015,12:33:07,0.045  
03/16/2015,12:48:07,0.044  
03/16/2015,13:03:07,0.046  
03/16/2015,13:18:07,0.044  
03/16/2015,13:33:07,0.045  
03/16/2015,13:48:07,0.046  
03/16/2015,14:03:07,0.047  
03/16/2015,14:18:07,0.046  
03/16/2015,14:33:07,0.048  
03/16/2015,14:48:07,0.050  
03/16/2015,15:03:07,0.050  
03/16/2015,15:18:07,0.049

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001

Test Abbreviation:,MANUAL\_001\_A  
Start Date:,03/16/2015  
Start Time:,08:03:08  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.036  
,Minimum:,0.034  
,Time of Minimum:,08:09:08  
,Date of Minimum:,03/16/2015  
,Maximum:,0.047  
,Time of Maximum:,08:04:08  
,Date of Maximum:,03/16/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
03/16/2015,08:04:08,0.047  
03/16/2015,08:05:08,0.036  
03/16/2015,08:06:08,0.036  
03/16/2015,08:07:08,0.035  
03/16/2015,08:08:08,0.035  
03/16/2015,08:09:08,0.034  
03/16/2015,08:10:08,0.035  
03/16/2015,08:11:08,0.035  
03/16/2015,08:12:08,0.036  
03/16/2015,08:13:08,0.036  
03/16/2015,08:14:08,0.035  
03/16/2015,08:15:08,0.035  
03/16/2015,08:16:08,0.035  
03/16/2015,08:17:08,0.035  
03/16/2015,08:18:08,0.034



15/03/16 08:03

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 3/16/2015 08:03:44  
 End 3/16/2015 15:28:39  
 Sample Period(s) 900  
 Number of Records 29  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 50.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 100.000  
 TWA Alarm 10.869  
 Measurement Gas Isobutylene  
 Calibration Time 3/16/2015 07:54  
 Peak N/A  
 Min N/A  
 Average N/A  
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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	3/16/2015 08:18:44	0.039	0.247
002	3/16/2015 08:33:44	0.000	0.008
003	3/16/2015 08:48:44	0.000	0.000
004	3/16/2015 09:03:44	0.000	0.000
005	3/16/2015 09:18:44	0.000	0.000
006	3/16/2015 09:33:44	0.000	0.000
007	3/16/2015 09:48:44	0.000	0.000
008	3/16/2015 10:03:44	0.000	0.005
009	3/16/2015 10:18:44	0.000	0.000
010	3/16/2015 10:33:44	0.000	0.000
011	3/16/2015 10:48:44	0.000	0.000
012	3/16/2015 11:03:44	0.000	0.000
013	3/16/2015 11:18:44	0.000	0.000
014	3/16/2015 11:33:44	0.007	0.028
015	3/16/2015 11:48:44	0.004	0.014
016	3/16/2015 12:03:44	0.001	0.016
017	3/16/2015 12:18:44	0.000	0.012
018	3/16/2015 12:33:44	0.000	0.008
019	3/16/2015 12:48:44	0.000	0.005
020	3/16/2015 13:03:44	0.004	0.023
021	3/16/2015 13:18:44	0.003	0.009

3-16-15 Downwind-2 VOC.prs.txt

022	3/16/2015	13:33:44	0.003	0.010
023	3/16/2015	13:48:44	0.004	0.013
024	3/16/2015	14:03:44	0.015	0.054
025	3/16/2015	14:18:44	0.013	0.031
026	3/16/2015	14:33:44	0.012	0.034
027	3/16/2015	14:48:44	0.003	0.011
028	3/16/2015	15:03:44	0.000	0.004
029	3/16/2015	15:18:44	0.000	0.000
Peak		0.039	0.247	
Min		0.000	0.000	
Average		0.004	0.018	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,03/16/2015  
Start Time:,08:12:07  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.044  
,Minimum:,0.037  
,Time of Minimum:,09:27:07  
,Date of Minimum:,03/16/2015  
,Maximum:,0.054  
,Time of Maximum:,08:42:07  
,Date of Maximum:,03/16/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/16/2015,08:27:07,0.043  
03/16/2015,08:42:07,0.054  
03/16/2015,08:57:07,0.050  
03/16/2015,09:12:07,0.040  
03/16/2015,09:27:07,0.037  
03/16/2015,09:42:07,0.038  
03/16/2015,09:57:07,0.040  
03/16/2015,10:12:07,0.040  
03/16/2015,10:27:07,0.037  
03/16/2015,10:42:07,0.038  
03/16/2015,10:57:07,0.039  
03/16/2015,11:12:07,0.040  
03/16/2015,11:27:07,0.041  
03/16/2015,11:42:07,0.041  
03/16/2015,11:57:07,0.042  
03/16/2015,12:12:07,0.043  
03/16/2015,12:27:07,0.044  
03/16/2015,12:42:07,0.045  
03/16/2015,12:57:07,0.045  
03/16/2015,13:12:07,0.046  
03/16/2015,13:27:07,0.047  
03/16/2015,13:42:07,0.047  
03/16/2015,13:57:07,0.048  
03/16/2015,14:12:07,0.048  
03/16/2015,14:27:07,0.050  
03/16/2015,14:42:07,0.052  
03/16/2015,14:57:07,0.053  
03/16/2015,15:12:07,0.051  
03/16/2015,15:27:07,0.049

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001

3-16-15 Upwind Dust.txt

Test Abbreviation:,MANUAL\_001\_A  
Start Date:,03/16/2015  
Start Time:,08:12:08  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.043  
,Minimum:,0.040  
,Time of Minimum:,08:14:08  
,Date of Minimum:,03/16/2015  
,Maximum:,0.055  
,Time of Maximum:,08:13:08  
,Date of Maximum:,03/16/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/16/2015,08:13:08,0.055  
03/16/2015,08:14:08,0.040  
03/16/2015,08:15:08,0.041  
03/16/2015,08:16:08,0.042  
03/16/2015,08:17:08,0.043  
03/16/2015,08:18:08,0.043  
03/16/2015,08:19:08,0.042  
03/16/2015,08:20:08,0.042  
03/16/2015,08:21:08,0.044  
03/16/2015,08:22:08,0.044  
03/16/2015,08:23:08,0.042  
03/16/2015,08:24:08,0.042  
03/16/2015,08:25:08,0.042  
03/16/2015,08:26:08,0.043  
03/16/2015,08:27:08,0.043

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530141112  
Test ID:.,002  
Test Abbreviation:.,MANUAL\_002  
Start Date:.,03/17/2015  
Start Time:.,07:59:32  
Duration (dd:hh:mm:ss):.,0:07:15:00  
Log Interval (mm:ss):.,15:00  
Number of points:.,29  
Notes:.,

Statistics,Channel:.,AEROSOL  
,Units:.,mg/m^3  
,Average:.,0.016  
,Minimum:.,0.012  
,Time of Minimum:.,11:59:32  
,Date of Minimum:.,03/17/2015  
,Maximum:.,0.026  
,Time of Maximum:.,09:29:32  
,Date of Maximum:.,03/17/2015

Calibration,Sensor:.,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m^3  
03/17/2015,08:14:32,0.015  
03/17/2015,08:29:32,0.016  
03/17/2015,08:44:32,0.017  
03/17/2015,08:59:32,0.021  
03/17/2015,09:14:32,0.024  
03/17/2015,09:29:32,0.026  
03/17/2015,09:44:32,0.021  
03/17/2015,09:59:32,0.015  
03/17/2015,10:14:32,0.015  
03/17/2015,10:29:32,0.016  
03/17/2015,10:44:32,0.017  
03/17/2015,10:59:32,0.016  
03/17/2015,11:14:32,0.016  
03/17/2015,11:29:32,0.016  
03/17/2015,11:44:32,0.013  
03/17/2015,11:59:32,0.012  
03/17/2015,12:14:32,0.013  
03/17/2015,12:29:32,0.016  
03/17/2015,12:44:32,0.015  
03/17/2015,12:59:32,0.014  
03/17/2015,13:14:32,0.014  
03/17/2015,13:29:32,0.013  
03/17/2015,13:44:32,0.013  
03/17/2015,13:59:32,0.014  
03/17/2015,14:14:32,0.015  
03/17/2015,14:29:32,0.014  
03/17/2015,14:44:32,0.013  
03/17/2015,14:59:32,0.013  
03/17/2015,15:14:32,0.013

15/03/17 08:04

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 3/17/2015 08:04:25  
 End 3/17/2015 15:21:17  
 Sample Period(s) 900  
 Number of Records 29  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 21.738  
 High Alarm 43.476  
 Over Alarm 15000.000  
 STEL Alarm 18.902  
 TWA Alarm 18.902  
 Measurement Gas Isobutylene  
 Calibration Time 3/17/2015 07:40  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	3/17/2015 08:19:25	0.003	0.081
002	3/17/2015 08:34:25	0.000	0.016
003	3/17/2015 08:49:25	0.012	0.038
004	3/17/2015 09:04:25	0.032	0.045
005	3/17/2015 09:19:25	0.044	0.058
006	3/17/2015 09:34:25	0.051	0.065
007	3/17/2015 09:49:25	0.058	0.071
008	3/17/2015 10:04:25	0.064	0.075
009	3/17/2015 10:19:25	0.067	0.082
010	3/17/2015 10:34:25	0.069	0.080
011	3/17/2015 10:49:25	0.070	0.100
012	3/17/2015 11:04:25	0.070	0.085
013	3/17/2015 11:19:25	0.069	0.085
014	3/17/2015 11:34:25	0.067	0.085
015	3/17/2015 11:49:25	0.066	0.077
016	3/17/2015 12:04:25	0.065	0.073
017	3/17/2015 12:19:25	0.061	0.071
018	3/17/2015 12:34:25	0.059	0.080
019	3/17/2015 12:49:25	0.053	0.067
020	3/17/2015 13:04:25	0.045	0.053
021	3/17/2015 13:19:25	0.031	0.047

3-17-15 Downwind-1 VOC.prs.txt

022	3/17/2015	13:34:25	0.021	0.036
023	3/17/2015	13:49:25	0.019	0.032
024	3/17/2015	14:04:25	0.018	0.040
025	3/17/2015	14:19:25	0.015	0.050
026	3/17/2015	14:34:25	0.013	0.025
027	3/17/2015	14:49:25	0.011	0.023
028	3/17/2015	15:04:25	0.006	0.013
029	3/17/2015	15:19:25	0.003	0.020
Peak		0.070	0.100	
Min		0.000	0.013	
Average		0.040	0.058	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,03/17/2015  
Start Time:,07:59:42  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.015  
,Minimum:,0.013  
,Time of Minimum:,08:14:42  
,Date of Minimum:,03/17/2015  
,Maximum:,0.023  
,Time of Maximum:,09:29:42  
,Date of Maximum:,03/17/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/17/2015,08:14:42,0.013  
03/17/2015,08:29:42,0.014  
03/17/2015,08:44:42,0.014  
03/17/2015,08:59:42,0.014  
03/17/2015,09:14:42,0.017  
03/17/2015,09:29:42,0.023  
03/17/2015,09:44:42,0.020  
03/17/2015,09:59:42,0.014  
03/17/2015,10:14:42,0.014  
03/17/2015,10:29:42,0.015  
03/17/2015,10:44:42,0.015  
03/17/2015,10:59:42,0.015  
03/17/2015,11:14:42,0.016  
03/17/2015,11:29:42,0.014  
03/17/2015,11:44:42,0.014  
03/17/2015,11:59:42,0.015  
03/17/2015,12:14:42,0.015  
03/17/2015,12:29:42,0.015  
03/17/2015,12:44:42,0.015  
03/17/2015,12:59:42,0.016  
03/17/2015,13:14:42,0.015  
03/17/2015,13:29:42,0.015  
03/17/2015,13:44:42,0.014  
03/17/2015,13:59:42,0.013  
03/17/2015,14:14:42,0.013  
03/17/2015,14:29:42,0.013  
03/17/2015,14:44:42,0.015  
03/17/2015,14:59:42,0.014  
03/17/2015,15:14:42,0.015

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002



Test Abbreviation:,MANUAL\_002\_A  
Start Date:,03/17/2015  
Start Time:,07:59:43  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.013  
,Minimum:,0.008  
,Time of Minimum:,08:01:43  
,Date of Minimum:,03/17/2015  
,Maximum:,0.027  
,Time of Maximum:,08:00:43  
,Date of Maximum:,03/17/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
03/17/2015,08:00:43,0.027  
03/17/2015,08:01:43,0.008  
03/17/2015,08:02:43,0.011  
03/17/2015,08:03:43,0.010  
03/17/2015,08:04:43,0.010  
03/17/2015,08:05:43,0.014  
03/17/2015,08:06:43,0.014  
03/17/2015,08:07:43,0.012  
03/17/2015,08:08:43,0.014  
03/17/2015,08:09:43,0.015  
03/17/2015,08:10:43,0.010  
03/17/2015,08:11:43,0.011  
03/17/2015,08:12:43,0.010  
03/17/2015,08:13:43,0.011  
03/17/2015,08:14:43,0.015

15/03/17 08:00

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 3/17/2015 08:00:27  
 End 3/17/2015 15:23:28  
 Sample Period(s) 900  
 Number of Records 29  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 50.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 100.000  
 TWA Alarm 10.869  
 Measurement Gas Isobutylene  
 Calibration Time 3/17/2015 07:38  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	3/17/2015 08:15:27	0.003	0.135
002	3/17/2015 08:30:27	0.000	0.000
003	3/17/2015 08:45:27	0.000	0.000
004	3/17/2015 09:00:27	0.004	0.027
005	3/17/2015 09:15:27	0.037	0.058
006	3/17/2015 09:30:27	0.073	0.089
007	3/17/2015 09:45:27	0.089	0.099
008	3/17/2015 10:00:27	0.065	0.084
009	3/17/2015 10:15:27	0.052	0.061
010	3/17/2015 10:30:27	0.050	0.068
011	3/17/2015 10:45:27	0.051	0.067
012	3/17/2015 11:00:27	0.041	0.060
013	3/17/2015 11:15:27	0.032	0.048
014	3/17/2015 11:30:27	0.014	0.028
015	3/17/2015 11:45:27	0.011	0.025
016	3/17/2015 12:00:27	0.003	0.019
017	3/17/2015 12:15:27	0.001	0.020
018	3/17/2015 12:30:27	0.000	0.000
019	3/17/2015 12:45:27	0.000	0.000
020	3/17/2015 13:00:27	0.000	0.000
021	3/17/2015 13:15:27	0.000	0.000

3-17-15 Downwind-2 VOC.prs.txt

022	3/17/2015	13:30:27	0.000	0.000
023	3/17/2015	13:45:27	0.007	0.021
024	3/17/2015	14:00:27	0.032	0.044
025	3/17/2015	14:15:27	0.043	0.051
026	3/17/2015	14:30:27	0.034	0.044
027	3/17/2015	14:45:27	0.013	0.035
028	3/17/2015	15:00:27	0.000	0.028
029	3/17/2015	15:15:27	0.000	0.000
Peak		0.089	0.135	
Min		0.000	0.000	
Average		0.023	0.038	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,03/17/2015  
Start Time:,08:08:02  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.010  
,Minimum:,0.007  
,Time of Minimum:,10:23:02  
,Date of Minimum:,03/17/2015  
,Maximum:,0.017  
,Time of Maximum:,09:23:02  
,Date of Maximum:,03/17/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/17/2015,08:23:02,0.008  
03/17/2015,08:38:02,0.009  
03/17/2015,08:53:02,0.010  
03/17/2015,09:08:02,0.014  
03/17/2015,09:23:02,0.017  
03/17/2015,09:38:02,0.016  
03/17/2015,09:53:02,0.010  
03/17/2015,10:08:02,0.008  
03/17/2015,10:23:02,0.007  
03/17/2015,10:38:02,0.009  
03/17/2015,10:53:02,0.009  
03/17/2015,11:08:02,0.009  
03/17/2015,11:23:02,0.008  
03/17/2015,11:38:02,0.008  
03/17/2015,11:53:02,0.007  
03/17/2015,12:08:02,0.007  
03/17/2015,12:23:02,0.008  
03/17/2015,12:38:02,0.008  
03/17/2015,12:53:02,0.009  
03/17/2015,13:08:02,0.009  
03/17/2015,13:23:02,0.008  
03/17/2015,13:38:02,0.013  
03/17/2015,13:53:02,0.008  
03/17/2015,14:08:02,0.009  
03/17/2015,14:23:02,0.012  
03/17/2015,14:38:02,0.014  
03/17/2015,14:53:02,0.010  
03/17/2015,15:08:02,0.008  
03/17/2015,15:23:02,0.008

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002

Test Abbreviation:,MANUAL\_002\_A  
Start Date:,03/17/2015  
Start Time:,13:28:35  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.014  
,Minimum:,0.007  
,Time of Minimum:,13:32:35  
,Date of Minimum:,03/17/2015  
,Maximum:,0.087  
,Time of Maximum:,13:29:35  
,Date of Maximum:,03/17/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
03/17/2015,13:29:35,0.087  
03/17/2015,13:30:35,0.008  
03/17/2015,13:31:35,0.010  
03/17/2015,13:32:35,0.007  
03/17/2015,13:33:35,0.009  
03/17/2015,13:34:35,0.009  
03/17/2015,13:35:35,0.007  
03/17/2015,13:36:35,0.007  
03/17/2015,13:37:35,0.008  
03/17/2015,13:38:35,0.010  
03/17/2015,13:39:35,0.011  
03/17/2015,13:40:35,0.009  
03/17/2015,13:41:35,0.009  
03/17/2015,13:42:35,0.008  
03/17/2015,13:43:35,0.008

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,03/18/2015  
Start Time:,08:03:09  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.017  
,Minimum:,0.012  
,Time of Minimum:,08:48:09  
,Date of Minimum:,03/18/2015  
,Maximum:,0.023  
,Time of Maximum:,14:48:09  
,Date of Maximum:,03/18/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/18/2015,08:18:09,0.014  
03/18/2015,08:33:09,0.015  
03/18/2015,08:48:09,0.012  
03/18/2015,09:03:09,0.013  
03/18/2015,09:18:09,0.013  
03/18/2015,09:33:09,0.015  
03/18/2015,09:48:09,0.014  
03/18/2015,10:03:09,0.014  
03/18/2015,10:18:09,0.014  
03/18/2015,10:33:09,0.014  
03/18/2015,10:48:09,0.014  
03/18/2015,11:03:09,0.013  
03/18/2015,11:18:09,0.015  
03/18/2015,11:33:09,0.014  
03/18/2015,11:48:09,0.017  
03/18/2015,12:03:09,0.015  
03/18/2015,12:18:09,0.016  
03/18/2015,12:33:09,0.018  
03/18/2015,12:48:09,0.018  
03/18/2015,13:03:09,0.020  
03/18/2015,13:18:09,0.019  
03/18/2015,13:33:09,0.021  
03/18/2015,13:48:09,0.021  
03/18/2015,14:03:09,0.022  
03/18/2015,14:18:09,0.020  
03/18/2015,14:33:09,0.021  
03/18/2015,14:48:09,0.023  
03/18/2015,15:03:09,0.022  
03/18/2015,15:18:09,0.020

15/03/18 08:08

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 3/18/2015 08:08:12  
 End 3/18/2015 15:36:30  
 Sample Period(s) 900  
 Number of Records 29  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 21.738  
 High Alarm 43.476  
 Over Alarm 15000.000  
 STEL Alarm 18.902  
 TWA Alarm 18.902  
 Measurement Gas Isobutylene  
 Calibration Time 3/18/2015 07:48  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	3/18/2015 08:23:12	0.007	0.109
002	3/18/2015 08:38:12	0.000	0.000
003	3/18/2015 08:53:12	0.000	0.006
004	3/18/2015 09:08:12	0.008	0.018
005	3/18/2015 09:23:12	0.017	0.024
006	3/18/2015 09:38:12	0.025	0.036
007	3/18/2015 09:53:12	0.033	0.042
008	3/18/2015 10:08:12	0.035	0.040
009	3/18/2015 10:23:12	0.035	0.040
010	3/18/2015 10:38:12	0.025	0.036
011	3/18/2015 10:53:12	0.020	0.030
012	3/18/2015 11:08:12	0.017	0.025
013	3/18/2015 11:23:12	0.015	0.025
014	3/18/2015 11:38:12	0.015	0.030
015	3/18/2015 11:53:12	0.021	0.035
016	3/18/2015 12:08:12	0.020	0.027
017	3/18/2015 12:23:12	0.021	0.033
018	3/18/2015 12:38:12	0.023	0.038
019	3/18/2015 12:53:12	0.024	0.032
020	3/18/2015 13:08:12	0.026	0.043
021	3/18/2015 13:23:12	0.028	0.033

3-18-15 Downwind-1 VOC.prs.txt

022	3/18/2015	13:38:12	0.030	0.039
023	3/18/2015	13:53:12	0.032	0.048
024	3/18/2015	14:08:12	0.033	0.044
025	3/18/2015	14:23:12	0.034	0.048
026	3/18/2015	14:38:12	0.033	0.048
027	3/18/2015	14:53:12	0.033	0.118
028	3/18/2015	15:08:12	0.033	0.050
029	3/18/2015	15:23:12	0.031	0.039
Peak		0.035	0.118	
Min		0.000	0.000	
Average		0.023	0.039	



TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,03/18/2015  
Start Time:,08:10:17  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.015  
,Minimum:,0.010  
,Time of Minimum:,08:55:17  
,Date of Minimum:,03/18/2015  
,Maximum:,0.030  
,Time of Maximum:,08:25:17  
,Date of Maximum:,03/18/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/18/2015,08:25:17,0.030  
03/18/2015,08:40:17,0.011  
03/18/2015,08:55:17,0.010  
03/18/2015,09:10:17,0.010  
03/18/2015,09:25:17,0.012  
03/18/2015,09:40:17,0.012  
03/18/2015,09:55:17,0.012  
03/18/2015,10:10:17,0.013  
03/18/2015,10:25:17,0.012  
03/18/2015,10:40:17,0.012  
03/18/2015,10:55:17,0.011  
03/18/2015,11:10:17,0.014  
03/18/2015,11:25:17,0.013  
03/18/2015,11:40:17,0.012  
03/18/2015,11:55:17,0.013  
03/18/2015,12:10:17,0.013  
03/18/2015,12:25:17,0.015  
03/18/2015,12:40:17,0.016  
03/18/2015,12:55:17,0.017  
03/18/2015,13:10:17,0.016  
03/18/2015,13:25:17,0.014  
03/18/2015,13:40:17,0.018  
03/18/2015,13:55:17,0.017  
03/18/2015,14:10:17,0.018  
03/18/2015,14:25:17,0.017  
03/18/2015,14:40:17,0.017  
03/18/2015,14:55:17,0.017  
03/18/2015,15:10:17,0.017  
03/18/2015,15:25:17,0.016

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003

Test Abbreviation:,MANUAL\_003\_A  
Start Date:,03/18/2015  
Start Time:,08:10:20  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.030  
,Minimum:,0.010  
,Time of Minimum:,08:14:20  
,Date of Minimum:,03/18/2015  
,Maximum:,0.300  
,Time of Maximum:,08:11:20  
,Date of Maximum:,03/18/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/18/2015,08:11:20,0.300  
03/18/2015,08:12:20,0.014  
03/18/2015,08:13:20,0.013  
03/18/2015,08:14:20,0.010  
03/18/2015,08:15:20,0.010  
03/18/2015,08:16:20,0.011  
03/18/2015,08:17:20,0.010  
03/18/2015,08:18:20,0.010  
03/18/2015,08:19:20,0.010  
03/18/2015,08:20:20,0.010  
03/18/2015,08:21:20,0.010  
03/18/2015,08:22:20,0.010  
03/18/2015,08:23:20,0.012  
03/18/2015,08:24:20,0.011  
03/18/2015,08:25:20,0.013

15/03/18 08:12

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 3/18/2015 08:12:00  
 End 3/18/2015 15:40:00  
 Sample Period(s) 900  
 Number of Records 29  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 50.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 100.000  
 TWA Alarm 10.869  
 Measurement Gas Isobutylene  
 Calibration Time 3/18/2015 07:55  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	3/18/2015 08:27:00	0.025	0.170
002	3/18/2015 08:42:00	0.002	0.010
003	3/18/2015 08:57:00	0.000	0.004
004	3/18/2015 09:12:00	0.005	0.013
005	3/18/2015 09:27:00	0.015	0.029
006	3/18/2015 09:42:00	0.023	0.030
007	3/18/2015 09:57:00	0.029	0.041
008	3/18/2015 10:12:00	0.037	0.049
009	3/18/2015 10:27:00	0.031	0.041
010	3/18/2015 10:42:00	0.027	0.032
011	3/18/2015 10:57:00	0.025	0.029
012	3/18/2015 11:12:00	0.024	0.046
013	3/18/2015 11:27:00	0.021	0.029
014	3/18/2015 11:42:00	0.026	0.037
015	3/18/2015 11:57:00	0.040	0.051
016	3/18/2015 12:12:00	0.038	0.053
017	3/18/2015 12:27:00	0.036	0.048
018	3/18/2015 12:42:00	0.033	0.040
019	3/18/2015 12:57:00	0.026	0.034
020	3/18/2015 13:12:00	0.019	0.028
021	3/18/2015 13:27:00	0.016	0.023

3-18-15 Downwind-2 VOC.prs.txt

022	3/18/2015	13:42:00	0.015	0.030
023	3/18/2015	13:57:00	0.017	0.054
024	3/18/2015	14:12:00	0.018	0.026
025	3/18/2015	14:27:00	0.018	0.024
026	3/18/2015	14:42:00	0.015	0.021
027	3/18/2015	14:57:00	0.016	0.024
028	3/18/2015	15:12:00	0.017	0.023
029	3/18/2015	15:27:00	0.018	0.029
Peak		0.040	0.170	
Min		0.000	0.004	
Average		0.022	0.037	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,03/18/2015  
Start Time:,08:15:20  
Duration (dd:hh:mm:ss):,0:07:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,28  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.009  
,Minimum:,0.006  
,Time of Minimum:,09:00:20  
,Date of Minimum:,03/18/2015  
,Maximum:,0.012  
,Time of Maximum:,14:00:20  
,Date of Maximum:,03/18/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/18/2015,08:30:20,0.009  
03/18/2015,08:45:20,0.007  
03/18/2015,09:00:20,0.006  
03/18/2015,09:15:20,0.007  
03/18/2015,09:30:20,0.007  
03/18/2015,09:45:20,0.008  
03/18/2015,10:00:20,0.009  
03/18/2015,10:15:20,0.009  
03/18/2015,10:30:20,0.008  
03/18/2015,10:45:20,0.008  
03/18/2015,11:00:20,0.011  
03/18/2015,11:15:20,0.008  
03/18/2015,11:30:20,0.008  
03/18/2015,11:45:20,0.008  
03/18/2015,12:00:20,0.008  
03/18/2015,12:15:20,0.009  
03/18/2015,12:30:20,0.009  
03/18/2015,12:45:20,0.010  
03/18/2015,13:00:20,0.011  
03/18/2015,13:15:20,0.011  
03/18/2015,13:30:20,0.011  
03/18/2015,13:45:20,0.011  
03/18/2015,14:00:20,0.012  
03/18/2015,14:15:20,0.012  
03/18/2015,14:30:20,0.011  
03/18/2015,14:45:20,0.011  
03/18/2015,15:00:20,0.010  
03/18/2015,15:15:20,0.010

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_A

3-18-15 Upwind Dust.txt

Start Date:,03/18/2015  
Start Time:,10:57:35  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.010  
,Minimum:,0.007  
,Time of Minimum:,11:11:35  
,Date of Minimum:,03/18/2015  
,Maximum:,0.046  
,Time of Maximum:,10:58:35  
,Date of Maximum:,03/18/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/18/2015,10:58:35,0.046  
03/18/2015,10:59:35,0.008  
03/18/2015,11:00:35,0.008  
03/18/2015,11:01:35,0.008  
03/18/2015,11:02:35,0.008  
03/18/2015,11:03:35,0.009  
03/18/2015,11:04:35,0.008  
03/18/2015,11:05:35,0.008  
03/18/2015,11:06:35,0.008  
03/18/2015,11:07:35,0.008  
03/18/2015,11:08:35,0.008  
03/18/2015,11:09:35,0.008  
03/18/2015,11:10:35,0.008  
03/18/2015,11:11:35,0.007  
03/18/2015,11:12:35,0.008

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530141112  
Test ID:.,004  
Test Abbreviation:.,MANUAL\_004  
Start Date:.,03/19/2015  
Start Time:.,08:00:02  
Duration (dd:hh:mm:ss):.,0:06:30:00  
Log Interval (mm:ss):.,15:00  
Number of points:.,26  
Notes:.,

Statistics,Channel:.,AEROSOL  
,Units:.,mg/m^3  
,Average:.,0.018  
,Minimum:.,0.012  
,Time of Minimum:.,12:45:02  
,Date of Minimum:.,03/19/2015  
,Maximum:.,0.039  
,Time of Maximum:.,08:15:02  
,Date of Maximum:.,03/19/2015

Calibration,Sensor:.,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m^3  
03/19/2015,08:15:02,0.039  
03/19/2015,08:30:02,0.039  
03/19/2015,08:45:02,0.038  
03/19/2015,09:00:02,0.024  
03/19/2015,09:15:02,0.020  
03/19/2015,09:30:02,0.018  
03/19/2015,09:45:02,0.018  
03/19/2015,10:00:02,0.016  
03/19/2015,10:15:02,0.016  
03/19/2015,10:30:02,0.015  
03/19/2015,10:45:02,0.015  
03/19/2015,11:00:02,0.017  
03/19/2015,11:15:02,0.016  
03/19/2015,11:30:02,0.016  
03/19/2015,11:45:02,0.015  
03/19/2015,12:00:02,0.015  
03/19/2015,12:15:02,0.014  
03/19/2015,12:30:02,0.013  
03/19/2015,12:45:02,0.012  
03/19/2015,13:00:02,0.013  
03/19/2015,13:15:02,0.013  
03/19/2015,13:30:02,0.012  
03/19/2015,13:45:02,0.012  
03/19/2015,14:00:02,0.013  
03/19/2015,14:15:02,0.013  
03/19/2015,14:30:02,0.013

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530141112  
Test ID:.,004  
Test Abbreviation:.,MANUAL\_004\_A  
Start Date:.,03/19/2015  
Start Time:.,08:00:12

Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel: ,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average: ,0.039  
,Minimum: ,0.036  
,Time of Minimum: ,08:12:12  
,Date of Minimum: ,03/19/2015  
,Maximum: ,0.071  
,Time of Maximum: ,08:01:12  
,Date of Maximum: ,03/19/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/19/2015,08:01:12,0.071  
03/19/2015,08:02:12,0.038  
03/19/2015,08:03:12,0.037  
03/19/2015,08:04:12,0.037  
03/19/2015,08:05:12,0.037  
03/19/2015,08:06:12,0.037  
03/19/2015,08:07:12,0.037  
03/19/2015,08:08:12,0.037  
03/19/2015,08:09:12,0.037  
03/19/2015,08:10:12,0.037  
03/19/2015,08:11:12,0.037  
03/19/2015,08:12:12,0.036  
03/19/2015,08:13:12,0.037  
03/19/2015,08:14:12,0.036  
03/19/2015,08:15:12,0.036



15/03/19 08:12

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 3/19/2015 08:12:28  
 End 3/19/2015 14:52:19  
 Sample Period(s) 900  
 Number of Records 26  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 21.738  
 High Alarm 43.476  
 Over Alarm 15000.000  
 STEL Alarm 18.902  
 TWA Alarm 18.902  
 Measurement Gas Isobutylene  
 Calibration Time 3/19/2015 07:46  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	3/19/2015 08:27:28	0.001	0.030
002	3/19/2015 08:42:28	0.000	0.000
003	3/19/2015 08:57:28	0.000	0.000
004	3/19/2015 09:12:28	0.000	0.000
005	3/19/2015 09:27:28	0.000	0.000
006	3/19/2015 09:42:28	0.000	0.000
007	3/19/2015 09:57:28	0.000	0.000
008	3/19/2015 10:12:28	0.000	0.002
009	3/19/2015 10:27:28	0.000	0.007
010	3/19/2015 10:42:28	0.000	0.011
011	3/19/2015 10:57:28	0.000	0.004
012	3/19/2015 11:12:28	0.000	0.005
013	3/19/2015 11:27:28	0.000	0.009
014	3/19/2015 11:42:28	0.000	0.003
015	3/19/2015 11:57:28	0.000	0.005
016	3/19/2015 12:12:28	0.000	0.005
017	3/19/2015 12:27:28	0.003	0.011
018	3/19/2015 12:42:28	0.001	0.010
019	3/19/2015 12:57:28	0.000	0.000
020	3/19/2015 13:12:28	0.000	0.000
021	3/19/2015 13:27:28	0.000	0.000

3-19-15 Downwind-1 VOC.prs.txt

022	3/19/2015	13:42:28	0.000	0.000
023	3/19/2015	13:57:28	0.000	0.000
024	3/19/2015	14:12:28	0.000	0.000
025	3/19/2015	14:27:28	0.000	0.000
026	3/19/2015	14:42:28	0.000	0.000
Peak		0.003	0.030	
Min		0.000	0.000	
Average		0.000	0.004	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530122515  
Test ID:.,004  
Test Abbreviation:.,MANUAL\_004  
Start Date:.,03/19/2015  
Start Time:.,08:10:05  
Duration (dd:hh:mm:ss):.,0:06:30:00  
Log Interval (mm:ss):.,15:00  
Number of points:.,26  
Notes:.,

Statistics,Channel:.,AEROSOL  
,Units:.,mg/m^3  
,Average:.,0.017  
,Minimum:.,0.008  
,Time of Minimum:.,12:40:05  
,Date of Minimum:.,03/19/2015  
,Maximum:.,0.040  
,Time of Maximum:.,08:25:05  
,Date of Maximum:.,03/19/2015

Calibration,Sensor:.,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m^3  
03/19/2015,08:25:05,0.040  
03/19/2015,08:40:05,0.034  
03/19/2015,08:55:05,0.030  
03/19/2015,09:10:05,0.029  
03/19/2015,09:25:05,0.024  
03/19/2015,09:40:05,0.021  
03/19/2015,09:55:05,0.021  
03/19/2015,10:10:05,0.018  
03/19/2015,10:25:05,0.018  
03/19/2015,10:40:05,0.018  
03/19/2015,10:55:05,0.015  
03/19/2015,11:10:05,0.016  
03/19/2015,11:25:05,0.016  
03/19/2015,11:40:05,0.014  
03/19/2015,11:55:05,0.013  
03/19/2015,12:10:05,0.011  
03/19/2015,12:25:05,0.010  
03/19/2015,12:40:05,0.008  
03/19/2015,12:55:05,0.009  
03/19/2015,13:10:05,0.009  
03/19/2015,13:25:05,0.011  
03/19/2015,13:40:05,0.011  
03/19/2015,13:55:05,0.013  
03/19/2015,14:10:05,0.011  
03/19/2015,14:25:05,0.013  
03/19/2015,14:40:05,0.011

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530122515  
Test ID:.,004  
Test Abbreviation:.,MANUAL\_004\_A  
Start Date:.,03/19/2015  
Start Time:.,08:10:06

Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel: ,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average: ,0.040  
,Minimum: ,0.032  
,Time of Minimum: ,08:14:06  
,Date of Minimum: ,03/19/2015  
,Maximum: ,0.134  
,Time of Maximum: ,08:11:06  
,Date of Maximum: ,03/19/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/19/2015,08:11:06,0.134  
03/19/2015,08:12:06,0.036  
03/19/2015,08:13:06,0.033  
03/19/2015,08:14:06,0.032  
03/19/2015,08:15:06,0.033  
03/19/2015,08:16:06,0.032  
03/19/2015,08:17:06,0.032  
03/19/2015,08:18:06,0.033  
03/19/2015,08:19:06,0.032  
03/19/2015,08:20:06,0.033  
03/19/2015,08:21:06,0.033  
03/19/2015,08:22:06,0.032  
03/19/2015,08:23:06,0.032  
03/19/2015,08:24:06,0.032  
03/19/2015,08:25:06,0.033

15/03/19 08:05

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 3/19/2015 08:05:27  
 End 3/19/2015 14:49:11  
 Sample Period(s) 900  
 Number of Records 26  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 50.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 100.000  
 TWA Alarm 10.869  
 Measurement Gas Isobutylene  
 Calibration Time 3/19/2015 07:44  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

\*\*\*\*\*

Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	3/19/2015 08:20:27	0.006	0.165
002	3/19/2015 08:35:27	0.000	0.000
003	3/19/2015 08:50:27	0.000	0.000
004	3/19/2015 09:05:27	0.000	0.000
005	3/19/2015 09:20:27	0.000	0.000
006	3/19/2015 09:35:27	0.000	0.000
007	3/19/2015 09:50:27	0.000	0.000
008	3/19/2015 10:05:27	0.000	0.000
009	3/19/2015 10:20:27	0.000	0.000
010	3/19/2015 10:35:27	0.000	0.000
011	3/19/2015 10:50:27	0.000	0.000
012	3/19/2015 11:05:27	0.000	0.000
013	3/19/2015 11:20:27	0.000	0.000
014	3/19/2015 11:35:27	0.000	0.000
015	3/19/2015 11:50:27	0.000	0.000
016	3/19/2015 12:05:27	0.000	0.000
017	3/19/2015 12:20:27	0.000	0.000
018	3/19/2015 12:35:27	0.000	0.000
019	3/19/2015 12:50:27	0.000	0.000
020	3/19/2015 13:05:27	0.000	0.000
021	3/19/2015 13:20:27	0.000	0.000

3-19-15 Downwind-2 VOC.prs.txt

022	3/19/2015	13:35:27	0.000	0.000
023	3/19/2015	13:50:27	0.000	0.000
024	3/19/2015	14:05:27	0.000	0.000
025	3/19/2015	14:20:27	0.000	0.000
026	3/19/2015	14:35:27	0.000	0.000
Peak		0.006	0.165	
Min		0.000	0.000	
Average		0.000	0.006	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530143315  
Test ID:.,004  
Test Abbreviation:.,MANUAL\_004  
Start Date:.,03/19/2015  
Start Time:.,08:13:57  
Duration (dd:hh:mm:ss):.,0:06:30:00  
Log Interval (mm:ss):.,15:00  
Number of points:.,26  
Notes:.,

Statistics,Channel:.,AEROSOL  
,Units:.,mg/m<sup>3</sup>  
,Average:.,0.015  
,Minimum:.,0.009  
,Time of Minimum:.,12:28:57  
,Date of Minimum:.,03/19/2015  
,Maximum:.,0.036  
,Time of Maximum:.,08:43:57  
,Date of Maximum:.,03/19/2015

Calibration,Sensor:.,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
03/19/2015,08:28:57,0.034  
03/19/2015,08:43:57,0.036  
03/19/2015,08:58:57,0.026  
03/19/2015,09:13:57,0.016  
03/19/2015,09:28:57,0.015  
03/19/2015,09:43:57,0.013  
03/19/2015,09:58:57,0.012  
03/19/2015,10:13:57,0.012  
03/19/2015,10:28:57,0.012  
03/19/2015,10:43:57,0.019  
03/19/2015,10:58:57,0.014  
03/19/2015,11:13:57,0.018  
03/19/2015,11:28:57,0.015  
03/19/2015,11:43:57,0.015  
03/19/2015,11:58:57,0.018  
03/19/2015,12:13:57,0.011  
03/19/2015,12:28:57,0.009  
03/19/2015,12:43:57,0.009  
03/19/2015,12:58:57,0.012  
03/19/2015,13:13:57,0.011  
03/19/2015,13:28:57,0.010  
03/19/2015,13:43:57,0.010  
03/19/2015,13:58:57,0.011  
03/19/2015,14:13:57,0.013  
03/19/2015,14:28:57,0.014  
03/19/2015,14:43:57,0.015

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530143315  
Test ID:.,004  
Test Abbreviation:.,MANUAL\_004\_A  
Start Date:.,03/19/2015  
Start Time:.,14:36:15

3-19-15 Upwind Dust.txt

Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.012  
,Minimum:,0.010  
,Time of Minimum:,14:38:15  
,Date of Minimum:,03/19/2015  
,Maximum:,0.019  
,Time of Maximum:,14:47:15  
,Date of Maximum:,03/19/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/19/2015,14:37:15,0.016  
03/19/2015,14:38:15,0.010  
03/19/2015,14:39:15,0.010  
03/19/2015,14:40:15,0.011  
03/19/2015,14:41:15,0.011  
03/19/2015,14:42:15,0.010  
03/19/2015,14:43:15,0.011  
03/19/2015,14:44:15,0.012  
03/19/2015,14:45:15,0.011  
03/19/2015,14:46:15,0.012  
03/19/2015,14:47:15,0.019  
03/19/2015,14:48:15,0.014  
03/19/2015,14:49:15,0.012  
03/19/2015,14:50:15,0.010  
03/19/2015,14:51:15,0.010



TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,005  
Test Abbreviation:,MANUAL\_005  
Start Date:,03/20/2015  
Start Time:,08:03:26  
Duration (dd:hh:mm:ss):,0:05:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,21  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.030  
,Minimum:,0.025  
,Time of Minimum:,08:18:26  
,Date of Minimum:,03/20/2015  
,Maximum:,0.033  
,Time of Maximum:,09:03:26  
,Date of Maximum:,03/20/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/20/2015,08:18:26,0.025  
03/20/2015,08:33:26,0.028  
03/20/2015,08:48:26,0.029  
03/20/2015,09:03:26,0.033  
03/20/2015,09:18:26,0.031  
03/20/2015,09:33:26,0.033  
03/20/2015,09:48:26,0.030  
03/20/2015,10:03:26,0.028  
03/20/2015,10:18:26,0.027  
03/20/2015,10:33:26,0.026  
03/20/2015,10:48:26,0.030  
03/20/2015,11:03:26,0.031  
03/20/2015,11:18:26,0.033  
03/20/2015,11:33:26,0.033  
03/20/2015,11:48:26,0.033  
03/20/2015,12:03:26,0.033  
03/20/2015,12:18:26,0.031  
03/20/2015,12:33:26,0.031  
03/20/2015,12:48:26,0.027  
03/20/2015,13:03:26,0.027  
03/20/2015,13:18:26,0.026

15/03/20 08:09

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Pause in Menu Mode  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 3/20/2015 08:09:18  
 End 3/20/2015 11:11:12  
 Sample Period(s) 900  
 Number of Records 12  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 21.738  
 High Alarm 43.476  
 Over Alarm 15000.000  
 STEL Alarm 18.902  
 TWA Alarm 18.902  
 Measurement Gas Isobutylene  
 Calibration Time 3/20/2015 07:41  
 Peak N/A  
 Min N/A  
 Average N/A  
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Datalog

Index	Date/Time	VOC(ppm)	
		(Avg)	(Max)
001	3/20/2015 08:24:18	0.009	0.130
002	3/20/2015 08:39:18	0.000	0.000
003	3/20/2015 08:54:18	0.000	0.000
004	3/20/2015 09:09:18	0.004	0.010
005	3/20/2015 09:24:18	0.010	0.015
006	3/20/2015 09:39:18	0.016	0.023
007	3/20/2015 09:54:18	0.022	0.028
008	3/20/2015 10:09:18	0.029	0.034
009	3/20/2015 10:24:18	0.034	0.039
010	3/20/2015 10:39:18	0.039	0.045
011	3/20/2015 10:54:18	0.047	0.053
012	3/20/2015 11:09:18	0.052	0.058
Peak		0.052	0.130
Min		0.000	0.000
Average		0.022	0.036

15/03/20 11:11

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 3/20/2015 11:11:57  
 End 3/20/2015 13:38:48  
 Sample Period(s) 900  
 Number of Records 9  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 21.738  
 High Alarm 43.476  
 Over Alarm 15000.000  
 STEL Alarm 18.902  
 TWA Alarm 18.902  
 Measurement Gas Isobutylene  
 Calibration Time 3/20/2015 07:41  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	3/20/2015 11:26:57	0.057	0.065
002	3/20/2015 11:41:57	0.060	0.063
003	3/20/2015 11:56:57	0.060	0.065
004	3/20/2015 12:11:57	0.061	0.065
005	3/20/2015 12:26:57	0.061	0.066
006	3/20/2015 12:41:57	0.064	0.073
007	3/20/2015 12:56:57	0.063	0.066
008	3/20/2015 13:11:57	0.063	0.067
009	3/20/2015 13:26:57	0.064	0.067
Peak		0.064	0.073
Min		0.057	0.063
Average		0.061	0.066

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530122515  
Test ID:.,005  
Test Abbreviation:.,MANUAL\_005  
Start Date:.,03/20/2015  
Start Time:.,08:16:31  
Duration (dd:hh:mm:ss):.,0:05:15:00  
Log Interval (mm:ss):.,15:00  
Number of points:.,21  
Notes:.,

Statistics,Channel:.,AEROSOL  
,Units:.,mg/m<sup>3</sup>  
,Average:.,0.034  
,Minimum:.,0.027  
,Time of Minimum:.,08:46:31  
,Date of Minimum:.,03/20/2015  
,Maximum:.,0.042  
,Time of Maximum:.,11:31:31  
,Date of Maximum:.,03/20/2015

Calibration,Sensor:.,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
03/20/2015,08:31:31,0.034  
03/20/2015,08:46:31,0.027  
03/20/2015,09:01:31,0.028  
03/20/2015,09:16:31,0.027  
03/20/2015,09:31:31,0.039  
03/20/2015,09:46:31,0.038  
03/20/2015,10:01:31,0.037  
03/20/2015,10:16:31,0.036  
03/20/2015,10:31:31,0.035  
03/20/2015,10:46:31,0.038  
03/20/2015,11:01:31,0.039  
03/20/2015,11:16:31,0.039  
03/20/2015,11:31:31,0.042  
03/20/2015,11:46:31,0.038  
03/20/2015,12:01:31,0.040  
03/20/2015,12:16:31,0.035  
03/20/2015,12:31:31,0.032  
03/20/2015,12:46:31,0.030  
03/20/2015,13:01:31,0.029  
03/20/2015,13:16:31,0.029  
03/20/2015,13:31:31,0.028

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530122515  
Test ID:.,005  
Test Abbreviation:.,MANUAL\_005\_A  
Start Date:.,03/20/2015  
Start Time:.,08:16:32  
Duration (dd:hh:mm:ss):.,0:00:15:00  
Log Interval (mm:ss):.,01:00  
Number of points:.,15  
Notes:.,

3-20-15 Downwind-2 Dust.txt

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.034  
,Minimum:,0.021  
,Time of Minimum:,08:19:32  
,Date of Minimum:,03/20/2015  
,Maximum:,0.082  
,Time of Maximum:,08:17:32  
,Date of Maximum:,03/20/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/20/2015,08:17:32,0.082  
03/20/2015,08:18:32,0.027  
03/20/2015,08:19:32,0.021  
03/20/2015,08:20:32,0.024  
03/20/2015,08:21:32,0.029  
03/20/2015,08:22:32,0.026  
03/20/2015,08:23:32,0.027  
03/20/2015,08:24:32,0.028  
03/20/2015,08:25:32,0.027  
03/20/2015,08:26:32,0.031  
03/20/2015,08:27:32,0.033  
03/20/2015,08:28:32,0.036  
03/20/2015,08:29:32,0.040  
03/20/2015,08:30:32,0.037  
03/20/2015,08:31:32,0.035

15/03/20 08:17

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 3/20/2015 08:17:59  
 End 3/20/2015 13:43:15  
 Sample Period(s) 900  
 Number of Records 21  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 50.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 100.000  
 TWA Alarm 10.869  
 Measurement Gas Isobutylene  
 Calibration Time 3/20/2015 07:40  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	3/20/2015 08:32:59	0.043	0.216
002	3/20/2015 08:47:59	0.005	0.016
003	3/20/2015 09:02:59	0.000	0.000
004	3/20/2015 09:17:59	0.000	0.000
005	3/20/2015 09:32:59	0.000	0.015
006	3/20/2015 09:47:59	0.001	0.023
007	3/20/2015 10:02:59	0.003	0.053
008	3/20/2015 10:17:59	0.003	0.038
009	3/20/2015 10:32:59	0.002	0.030
010	3/20/2015 10:47:59	0.006	0.034
011	3/20/2015 11:02:59	0.013	0.042
012	3/20/2015 11:17:59	0.024	0.058
013	3/20/2015 11:32:59	0.045	0.084
014	3/20/2015 11:47:59	0.066	0.108
015	3/20/2015 12:02:59	0.079	0.114
016	3/20/2015 12:17:59	0.085	0.112
017	3/20/2015 12:32:59	0.091	0.141
018	3/20/2015 12:47:59	0.093	0.119
019	3/20/2015 13:02:59	0.084	0.108
020	3/20/2015 13:17:59	0.084	0.121
021	3/20/2015 13:32:59	0.083	0.109

3-20-15 Downwind-2 VOC.prs.txt

Peak	0.093	0.216
Min	0.000	0.000
Average	0.039	0.073

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530143315  
Test ID:.,005  
Test Abbreviation:.,MANUAL\_005  
Start Date:.,03/20/2015  
Start Time:.,08:19:25  
Duration (dd:hh:mm:ss):.,0:05:15:00  
Log Interval (mm:ss):.,15:00  
Number of points:.,21  
Notes:.,

Statistics,Channel:.,AEROSOL  
,Units:.,mg/m<sup>3</sup>  
,Average:.,0.024  
,Minimum:.,0.019  
,Time of Minimum:.,13:19:25  
,Date of Minimum:.,03/20/2015  
,Maximum:.,0.033  
,Time of Maximum:.,08:34:25  
,Date of Maximum:.,03/20/2015

Calibration,Sensor:.,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
03/20/2015,08:34:25,0.033  
03/20/2015,08:49:25,0.026  
03/20/2015,09:04:25,0.029  
03/20/2015,09:19:25,0.023  
03/20/2015,09:34:25,0.025  
03/20/2015,09:49:25,0.023  
03/20/2015,10:04:25,0.022  
03/20/2015,10:19:25,0.021  
03/20/2015,10:34:25,0.022  
03/20/2015,10:49:25,0.024  
03/20/2015,11:04:25,0.025  
03/20/2015,11:19:25,0.026  
03/20/2015,11:34:25,0.025  
03/20/2015,11:49:25,0.026  
03/20/2015,12:04:25,0.026  
03/20/2015,12:19:25,0.024  
03/20/2015,12:34:25,0.022  
03/20/2015,12:49:25,0.020  
03/20/2015,13:04:25,0.020  
03/20/2015,13:19:25,0.019  
03/20/2015,13:34:25,0.019

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530143315  
Test ID:.,005  
Test Abbreviation:.,MANUAL\_005\_A  
Start Date:.,03/20/2015  
Start Time:.,08:19:26  
Duration (dd:hh:mm:ss):.,0:00:15:00  
Log Interval (mm:ss):.,01:00  
Number of points:.,15  
Notes:.,



3-20-15 Upwind Dust.txt

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.033  
,Minimum:,0.025  
,Time of Minimum:,08:34:26  
,Date of Minimum:,03/20/2015  
,Maximum:,0.119  
,Time of Maximum:,08:20:26  
,Date of Maximum:,03/20/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/20/2015,08:20:26,0.119  
03/20/2015,08:21:26,0.031  
03/20/2015,08:22:26,0.030  
03/20/2015,08:23:26,0.029  
03/20/2015,08:24:26,0.028  
03/20/2015,08:25:26,0.026  
03/20/2015,08:26:26,0.027  
03/20/2015,08:27:26,0.026  
03/20/2015,08:28:26,0.027  
03/20/2015,08:29:26,0.026  
03/20/2015,08:30:26,0.027  
03/20/2015,08:31:26,0.026  
03/20/2015,08:32:26,0.027  
03/20/2015,08:33:26,0.026  
03/20/2015,08:34:26,0.025

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,03/02/2015  
Start Time:,08:01:24  
Duration (dd:hh:mm:ss):,0:08:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,32  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.059  
,Minimum:,0.032  
,Time of Minimum:,16:01:24  
,Date of Minimum:,03/02/2015  
,Maximum:,0.081  
,Time of Maximum:,11:16:24  
,Date of Maximum:,03/02/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
03/02/2015,08:16:24,0.063  
03/02/2015,08:31:24,0.066  
03/02/2015,08:46:24,0.070  
03/02/2015,09:01:24,0.076  
03/02/2015,09:16:24,0.075  
03/02/2015,09:31:24,0.078  
03/02/2015,09:46:24,0.080  
03/02/2015,10:01:24,0.078  
03/02/2015,10:16:24,0.077  
03/02/2015,10:31:24,0.077  
03/02/2015,10:46:24,0.076  
03/02/2015,11:01:24,0.080  
03/02/2015,11:16:24,0.081  
03/02/2015,11:31:24,0.079  
03/02/2015,11:46:24,0.078  
03/02/2015,12:01:24,0.065  
03/02/2015,12:16:24,0.055  
03/02/2015,12:31:24,0.053  
03/02/2015,12:46:24,0.055  
03/02/2015,13:01:24,0.053  
03/02/2015,13:16:24,0.052  
03/02/2015,13:31:24,0.050  
03/02/2015,13:46:24,0.047  
03/02/2015,14:01:24,0.044  
03/02/2015,14:16:24,0.041  
03/02/2015,14:31:24,0.040  
03/02/2015,14:46:24,0.039  
03/02/2015,15:01:24,0.038  
03/02/2015,15:16:24,0.035  
03/02/2015,15:31:24,0.034  
03/02/2015,15:46:24,0.033  
03/02/2015,16:01:24,0.032

Model:,DustTrak II

3-2-15 Downwind-1 Dust.txt

Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,03/02/2015  
Start Time:,09:28:29  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.081  
,Minimum:,0.076  
,Time of Minimum:,09:41:29  
,Date of Minimum:,03/02/2015  
,Maximum:,0.086  
,Time of Maximum:,09:29:29  
,Date of Maximum:,03/02/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/02/2015,09:29:29,0.086  
03/02/2015,09:30:29,0.078  
03/02/2015,09:31:29,0.078  
03/02/2015,09:32:29,0.082  
03/02/2015,09:33:29,0.081  
03/02/2015,09:34:29,0.084  
03/02/2015,09:35:29,0.085  
03/02/2015,09:36:29,0.081  
03/02/2015,09:37:29,0.080  
03/02/2015,09:38:29,0.079  
03/02/2015,09:39:29,0.084  
03/02/2015,09:40:29,0.080  
03/02/2015,09:41:29,0.076  
03/02/2015,09:42:29,0.078  
03/02/2015,09:43:29,0.078

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_B  
Start Date:,03/02/2015  
Start Time:,10:52:07  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.081  
,Minimum:,0.077  
,Time of Minimum:,10:59:07  
,Date of Minimum:,03/02/2015  
,Maximum:,0.097  
,Time of Maximum:,10:53:07  
,Date of Maximum:,03/02/2015

3-2-15 Downwind-1 Dust.txt

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/02/2015,10:53:07,0.097  
03/02/2015,10:54:07,0.079  
03/02/2015,10:55:07,0.080  
03/02/2015,10:56:07,0.081  
03/02/2015,10:57:07,0.079  
03/02/2015,10:58:07,0.089  
03/02/2015,10:59:07,0.077  
03/02/2015,11:00:07,0.078  
03/02/2015,11:01:07,0.078  
03/02/2015,11:02:07,0.079  
03/02/2015,11:03:07,0.083  
03/02/2015,11:04:07,0.078  
03/02/2015,11:05:07,0.080  
03/02/2015,11:06:07,0.080  
03/02/2015,11:07:07,0.082

15/03/02 08:07

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 3/2/2015 08:07:41  
 End 3/2/2015 16:12:32  
 Sample Period(s) 900  
 Number of Records 32  
 -----

Sensor VOC(ppm)  
 Span 43.476  
 Span 2 N/A  
 Low Alarm 21.738  
 High Alarm 43.476  
 Over Alarm 15000.000  
 STEL Alarm 18.902  
 TWA Alarm 18.902  
 Measurement Gas Isobutylene  
 Calibration Time 3/2/2015 07:46  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	3/2/2015 08:22:41	0.004	0.158
002	3/2/2015 08:37:41	0.000	0.000
003	3/2/2015 08:52:41	0.000	0.000
004	3/2/2015 09:07:41	0.000	0.000
005	3/2/2015 09:22:41	0.000	0.000
006	3/2/2015 09:37:41	0.000	0.000
007	3/2/2015 09:52:41	0.000	0.000
008	3/2/2015 10:07:41	0.000	0.000
009	3/2/2015 10:22:41	0.000	0.000
010	3/2/2015 10:37:41	0.000	0.000
011	3/2/2015 10:52:41	0.000	0.000
012	3/2/2015 11:07:41	0.000	0.000
013	3/2/2015 11:22:41	0.000	0.000
014	3/2/2015 11:37:41	0.002	0.033
015	3/2/2015 11:52:41	0.002	0.029
016	3/2/2015 12:07:41	0.000	0.000
017	3/2/2015 12:22:41	0.002	0.024
018	3/2/2015 12:37:41	0.000	0.000
019	3/2/2015 12:52:41	0.000	0.003
020	3/2/2015 13:07:41	0.000	0.000
021	3/2/2015 13:22:41	0.000	0.000

3-2-15 Downwind-1 VOC.txt

022	3/2/2015	13:37:41	0.000	0.007
023	3/2/2015	13:52:41	0.000	0.001
024	3/2/2015	14:07:41	0.000	0.000
025	3/2/2015	14:22:41	0.000	0.000
026	3/2/2015	14:37:41	0.000	0.000
027	3/2/2015	14:52:41	0.000	0.000
028	3/2/2015	15:07:41	0.000	0.000
029	3/2/2015	15:22:41	0.000	0.000
030	3/2/2015	15:37:41	0.000	0.000
031	3/2/2015	15:52:41	0.000	0.000
032	3/2/2015	16:07:41	0.000	0.001
Peak		0.004	0.158	
Min		0.000	0.000	
Average		0.000	0.008	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,03/02/2015  
Start Time:,07:55:22  
Duration (dd:hh:mm:ss):,0:08:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,32  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.054  
,Minimum:,0.029  
,Time of Minimum:,15:55:22  
,Date of Minimum:,03/02/2015  
,Maximum:,0.073  
,Time of Maximum:,09:25:22  
,Date of Maximum:,03/02/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
03/02/2015,08:10:22,0.059  
03/02/2015,08:25:22,0.060  
03/02/2015,08:40:22,0.064  
03/02/2015,08:55:22,0.070  
03/02/2015,09:10:22,0.067  
03/02/2015,09:25:22,0.073  
03/02/2015,09:40:22,0.073  
03/02/2015,09:55:22,0.068  
03/02/2015,10:10:22,0.069  
03/02/2015,10:25:22,0.070  
03/02/2015,10:40:22,0.067  
03/02/2015,10:55:22,0.068  
03/02/2015,11:10:22,0.071  
03/02/2015,11:25:22,0.069  
03/02/2015,11:40:22,0.069  
03/02/2015,11:55:22,0.061  
03/02/2015,12:10:22,0.049  
03/02/2015,12:25:22,0.045  
03/02/2015,12:40:22,0.051  
03/02/2015,12:55:22,0.047  
03/02/2015,13:10:22,0.046  
03/02/2015,13:25:22,0.044  
03/02/2015,13:40:22,0.041  
03/02/2015,13:55:22,0.040  
03/02/2015,14:10:22,0.037  
03/02/2015,14:25:22,0.035  
03/02/2015,14:40:22,0.035  
03/02/2015,14:55:22,0.034  
03/02/2015,15:10:22,0.031  
03/02/2015,15:25:22,0.031  
03/02/2015,15:40:22,0.048  
03/02/2015,15:55:22,0.029

Model:,DustTrak II

3-2-15 Downwind-2 Dust.txt

Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,03/02/2015  
Start Time:,07:55:23  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.059  
,Minimum:,0.054  
,Time of Minimum:,07:57:23  
,Date of Minimum:,03/02/2015  
,Maximum:,0.066  
,Time of Maximum:,07:56:23  
,Date of Maximum:,03/02/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/02/2015,07:56:23,0.066  
03/02/2015,07:57:23,0.054  
03/02/2015,07:58:23,0.058  
03/02/2015,07:59:23,0.054  
03/02/2015,08:00:23,0.055  
03/02/2015,08:01:23,0.060  
03/02/2015,08:02:23,0.058  
03/02/2015,08:03:23,0.057  
03/02/2015,08:04:23,0.058  
03/02/2015,08:05:23,0.057  
03/02/2015,08:06:23,0.060  
03/02/2015,08:07:23,0.065  
03/02/2015,08:08:23,0.062  
03/02/2015,08:09:23,0.060  
03/02/2015,08:10:23,0.065

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_B  
Start Date:,03/02/2015  
Start Time:,09:25:42  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.073  
,Minimum:,0.066  
,Time of Minimum:,09:39:42  
,Date of Minimum:,03/02/2015  
,Maximum:,0.101  
,Time of Maximum:,09:26:42  
,Date of Maximum:,03/02/2015



Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/02/2015,09:26:42,0.101  
03/02/2015,09:27:42,0.077  
03/02/2015,09:28:42,0.070  
03/02/2015,09:29:42,0.068  
03/02/2015,09:30:42,0.072  
03/02/2015,09:31:42,0.076  
03/02/2015,09:32:42,0.071  
03/02/2015,09:33:42,0.071  
03/02/2015,09:34:42,0.071  
03/02/2015,09:35:42,0.072  
03/02/2015,09:36:42,0.069  
03/02/2015,09:37:42,0.073  
03/02/2015,09:38:42,0.073  
03/02/2015,09:39:42,0.066  
03/02/2015,09:40:42,0.067

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_C  
Start Date:,03/02/2015  
Start Time:,11:00:44  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.071  
,Minimum:,0.068  
,Time of Minimum:,11:09:44  
,Date of Minimum:,03/02/2015  
,Maximum:,0.074  
,Time of Maximum:,11:01:44  
,Date of Maximum:,03/02/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/02/2015,11:01:44,0.074  
03/02/2015,11:02:44,0.070  
03/02/2015,11:03:44,0.074  
03/02/2015,11:04:44,0.072  
03/02/2015,11:05:44,0.072  
03/02/2015,11:06:44,0.070  
03/02/2015,11:07:44,0.074  
03/02/2015,11:08:44,0.073  
03/02/2015,11:09:44,0.068  
03/02/2015,11:10:44,0.069  
03/02/2015,11:11:44,0.070  
03/02/2015,11:12:44,0.068  
03/02/2015,11:13:44,0.070  
03/02/2015,11:14:44,0.071

03/02/2015,11:15:44,0.070

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530122515  
Test ID:.,001  
Test Abbreviation:.,MANUAL\_001\_D  
Start Date:.,03/02/2015  
Start Time:.,15:30:43  
Duration (dd:hh:mm:ss):.,0:00:15:00  
Log Interval (mm:ss):.,01:00  
Number of points:.,15  
Notes:.,

Statistics,Channel:.,AEROSOL  
,Units:.,mg/m<sup>3</sup>  
,Average:.,0.047  
,Minimum:.,0.026  
,Time of Minimum:.,15:44:43  
,Date of Minimum:.,03/02/2015  
,Maximum:.,0.299  
,Time of Maximum:.,15:31:43  
,Date of Maximum:.,03/02/2015

Calibration,Sensor:.,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
03/02/2015,15:31:43,0.299  
03/02/2015,15:32:43,0.027  
03/02/2015,15:33:43,0.027  
03/02/2015,15:34:43,0.028  
03/02/2015,15:35:43,0.035  
03/02/2015,15:36:43,0.028  
03/02/2015,15:37:43,0.027  
03/02/2015,15:38:43,0.029  
03/02/2015,15:39:43,0.031  
03/02/2015,15:40:43,0.031  
03/02/2015,15:41:43,0.030  
03/02/2015,15:42:43,0.032  
03/02/2015,15:43:43,0.030  
03/02/2015,15:44:43,0.026  
03/02/2015,15:45:43,0.026

15/03/02 08:02

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-904802  
 Unit Firmware Ver V1.06A  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 3/2/2015 08:02:57  
 End 3/2/2015 16:08:30  
 Sample Period(s) 900  
 Number of Records 32  
 -----

Sensor VOC(ppm)  
 Span 100  
 Span 2 N/A  
 Low Alarm 1  
 High Alarm 5  
 Over Alarm 15000  
 STEL Alarm 10  
 TWA Alarm 1  
 Measurement Gas Isobutene  
 Calibration Time 3/2/2015 07:46  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	3/2/2015 08:17:57	1	9
002	3/2/2015 08:32:57	0	0
003	3/2/2015 08:47:57	0	0
004	3/2/2015 09:02:57	0	0
005	3/2/2015 09:17:57	0	0
006	3/2/2015 09:32:57	0	0
007	3/2/2015 09:47:57	0	0
008	3/2/2015 10:02:57	0	0
009	3/2/2015 10:17:57	0	0
010	3/2/2015 10:32:57	0	0
011	3/2/2015 10:47:57	0	0
012	3/2/2015 11:02:57	0	0
013	3/2/2015 11:17:57	0	0
014	3/2/2015 11:32:57	0	0
015	3/2/2015 11:47:57	0	0
016	3/2/2015 12:02:57	0	0
017	3/2/2015 12:17:57	0	0
018	3/2/2015 12:32:57	0	0
019	3/2/2015 12:47:57	0	0
020	3/2/2015 13:02:57	0	0
021	3/2/2015 13:17:57	0	0

3-2-15 Downwind-2 VOC.txt

022	3/2/2015	13:32:57	0	0
023	3/2/2015	13:47:57	0	0
024	3/2/2015	14:02:57	0	0
025	3/2/2015	14:17:57	0	0
026	3/2/2015	14:32:57	0	0
027	3/2/2015	14:47:57	0	0
028	3/2/2015	15:02:57	0	0
029	3/2/2015	15:17:57	0	0
030	3/2/2015	15:32:57	0	0
031	3/2/2015	15:47:57	0	0
032	3/2/2015	16:02:57	0	0
Peak	1	9		
Min	0	0		
Average	0	0		

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,03/02/2015  
Start Time:,08:04:53  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.053  
,Minimum:,0.024  
,Time of Minimum:,15:49:53  
,Date of Minimum:,03/02/2015  
,Maximum:,0.092  
,Time of Maximum:,12:49:53  
,Date of Maximum:,03/02/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
03/02/2015,08:19:53,0.064  
03/02/2015,08:34:53,0.060  
03/02/2015,08:49:53,0.063  
03/02/2015,09:04:53,0.066  
03/02/2015,09:19:53,0.068  
03/02/2015,09:34:53,0.070  
03/02/2015,09:49:53,0.070  
03/02/2015,10:04:53,0.069  
03/02/2015,10:19:53,0.069  
03/02/2015,10:34:53,0.070  
03/02/2015,10:49:53,0.068  
03/02/2015,11:04:53,0.071  
03/02/2015,11:19:53,0.071  
03/02/2015,11:34:53,0.071  
03/02/2015,11:49:53,0.068  
03/02/2015,12:04:53,0.047  
03/02/2015,12:19:53,0.044  
03/02/2015,12:34:53,0.048  
03/02/2015,12:49:53,0.092  
03/02/2015,13:04:53,0.044  
03/02/2015,13:19:53,0.043  
03/02/2015,13:34:53,0.040  
03/02/2015,13:49:53,0.038  
03/02/2015,14:04:53,0.035  
03/02/2015,14:19:53,0.033  
03/02/2015,14:34:53,0.032  
03/02/2015,14:49:53,0.031  
03/02/2015,15:04:53,0.028  
03/02/2015,15:19:53,0.027  
03/02/2015,15:34:53,0.026  
03/02/2015,15:49:53,0.024

Model:,DustTrak II  
Model Number:,8530

3-2-15 Upwind Dust.txt

Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,03/02/2015  
Start Time:,08:04:54  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.064  
,Minimum:,0.056  
,Time of Minimum:,08:06:54  
,Date of Minimum:,03/02/2015  
,Maximum:,0.155  
,Time of Maximum:,08:05:54  
,Date of Maximum:,03/02/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/02/2015,08:05:54,0.155  
03/02/2015,08:06:54,0.056  
03/02/2015,08:07:54,0.057  
03/02/2015,08:08:54,0.057  
03/02/2015,08:09:54,0.057  
03/02/2015,08:10:54,0.057  
03/02/2015,08:11:54,0.057  
03/02/2015,08:12:54,0.056  
03/02/2015,08:13:54,0.057  
03/02/2015,08:14:54,0.058  
03/02/2015,08:15:54,0.057  
03/02/2015,08:16:54,0.057  
03/02/2015,08:17:54,0.058  
03/02/2015,08:18:54,0.058  
03/02/2015,08:19:54,0.058

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_B  
Start Date:,03/02/2015  
Start Time:,12:29:51  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.096  
,Minimum:,0.044  
,Time of Minimum:,12:31:51  
,Date of Minimum:,03/02/2015  
,Maximum:,0.327  
,Time of Maximum:,12:36:51  
,Date of Maximum:,03/02/2015

3-2-15 Upwind Dust.txt

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/02/2015,12:30:51,0.104  
03/02/2015,12:31:51,0.044  
03/02/2015,12:32:51,0.044  
03/02/2015,12:33:51,0.045  
03/02/2015,12:34:51,0.046  
03/02/2015,12:35:51,0.187  
03/02/2015,12:36:51,0.327  
03/02/2015,12:37:51,0.146  
03/02/2015,12:38:51,0.108  
03/02/2015,12:39:51,0.098  
03/02/2015,12:40:51,0.069  
03/02/2015,12:41:51,0.080  
03/02/2015,12:42:51,0.049  
03/02/2015,12:43:51,0.047  
03/02/2015,12:44:51,0.046

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530141112  
Test ID:.,002  
Test Abbreviation:.,MANUAL\_002  
Start Date:.,03/03/2015  
Start Time:.,08:06:58  
Duration (dd:hh:mm:ss):.,0:06:45:00  
Log Interval (mm:ss):.,15:00  
Number of points:.,27  
Notes:.,

Statistics,Channel:.,AEROSOL  
,Units:.,mg/m<sup>3</sup>  
,Average:.,0.038  
,Minimum:.,0.032  
,Time of Minimum:.,08:36:58  
,Date of Minimum:.,03/03/2015  
,Maximum:.,0.046  
,Time of Maximum:.,11:51:58  
,Date of Maximum:.,03/03/2015

Calibration,Sensor:.,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
03/03/2015,08:21:58,0.036  
03/03/2015,08:36:58,0.032  
03/03/2015,08:51:58,0.032  
03/03/2015,09:06:58,0.034  
03/03/2015,09:21:58,0.036  
03/03/2015,09:36:58,0.038  
03/03/2015,09:51:58,0.039  
03/03/2015,10:06:58,0.040  
03/03/2015,10:21:58,0.040  
03/03/2015,10:36:58,0.043  
03/03/2015,10:51:58,0.044  
03/03/2015,11:06:58,0.042  
03/03/2015,11:21:58,0.043  
03/03/2015,11:36:58,0.044  
03/03/2015,11:51:58,0.046  
03/03/2015,12:06:58,0.044  
03/03/2015,12:21:58,0.046  
03/03/2015,12:36:58,0.043  
03/03/2015,12:51:58,0.039  
03/03/2015,13:06:58,0.037  
03/03/2015,13:21:58,0.035  
03/03/2015,13:36:58,0.035  
03/03/2015,13:51:58,0.035  
03/03/2015,14:06:58,0.035  
03/03/2015,14:21:58,0.032  
03/03/2015,14:36:58,0.032  
03/03/2015,14:51:58,0.032



15/03/03 08:13

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 3/3/2015 08:13:27  
 End 3/3/2015 14:59:56  
 Sample Period(s) 900  
 Number of Records 27  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 21.738  
 High Alarm 43.476  
 Over Alarm 15000.000  
 STEL Alarm 18.902  
 TWA Alarm 18.902  
 Measurement Gas Isobutylene  
 Calibration Time 3/3/2015 07:48  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	3/3/2015 08:28:27	0.005	0.099
002	3/3/2015 08:43:27	0.000	0.000
003	3/3/2015 08:58:27	0.000	0.000
004	3/3/2015 09:13:27	0.000	0.000
005	3/3/2015 09:28:27	0.004	0.010
006	3/3/2015 09:43:27	0.013	0.017
007	3/3/2015 09:58:27	0.024	0.031
008	3/3/2015 10:13:27	0.035	0.043
009	3/3/2015 10:28:27	0.037	0.052
010	3/3/2015 10:43:27	0.045	0.061
011	3/3/2015 10:58:27	0.043	0.050
012	3/3/2015 11:13:27	0.046	0.051
013	3/3/2015 11:28:27	0.048	0.053
014	3/3/2015 11:43:27	0.053	0.058
015	3/3/2015 11:58:27	0.059	0.067
016	3/3/2015 12:13:27	0.058	0.064
017	3/3/2015 12:28:27	0.061	0.069
018	3/3/2015 12:43:27	0.057	0.065
019	3/3/2015 12:58:27	0.055	0.058
020	3/3/2015 13:13:27	0.054	0.057
021	3/3/2015 13:28:27	0.054	0.056

3-3-15 Downwind-1 VOC.txt

022	3/3/2015	13:43:27	0.055	0.058
023	3/3/2015	13:58:27	0.055	0.057
024	3/3/2015	14:13:27	0.054	0.057
025	3/3/2015	14:28:27	0.054	0.057
026	3/3/2015	14:43:27	0.054	0.057
027	3/3/2015	14:58:27	0.054	0.056
Peak		0.061	0.099	
Min		0.000	0.000	
Average		0.040	0.048	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530122515  
Test ID:.,002  
Test Abbreviation:.,MANUAL\_002  
Start Date:.,03/03/2015  
Start Time:.,08:00:17  
Duration (dd:hh:mm:ss):.,0:06:45:00  
Log Interval (mm:ss):.,15:00  
Number of points:.,27  
Notes:.,

Statistics,Channel:.,AEROSOL  
,Units:.,mg/m<sup>3</sup>  
,Average:.,0.033  
,Minimum:.,0.025  
,Time of Minimum:.,14:30:17  
,Date of Minimum:.,03/03/2015  
,Maximum:.,0.043  
,Time of Maximum:.,08:15:17  
,Date of Maximum:.,03/03/2015

Calibration,Sensor:.,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
03/03/2015,08:15:17,0.043  
03/03/2015,08:30:17,0.031  
03/03/2015,08:45:17,0.029  
03/03/2015,09:00:17,0.031  
03/03/2015,09:15:17,0.032  
03/03/2015,09:30:17,0.033  
03/03/2015,09:45:17,0.034  
03/03/2015,10:00:17,0.035  
03/03/2015,10:15:17,0.035  
03/03/2015,10:30:17,0.035  
03/03/2015,10:45:17,0.036  
03/03/2015,11:00:17,0.035  
03/03/2015,11:15:17,0.037  
03/03/2015,11:30:17,0.037  
03/03/2015,11:45:17,0.038  
03/03/2015,12:00:17,0.037  
03/03/2015,12:15:17,0.038  
03/03/2015,12:30:17,0.037  
03/03/2015,12:45:17,0.034  
03/03/2015,13:00:17,0.031  
03/03/2015,13:15:17,0.030  
03/03/2015,13:30:17,0.029  
03/03/2015,13:45:17,0.028  
03/03/2015,14:00:17,0.029  
03/03/2015,14:15:17,0.026  
03/03/2015,14:30:17,0.025  
03/03/2015,14:45:17,0.025

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530122515  
Test ID:.,002  
Test Abbreviation:.,MANUAL\_002\_A  
Start Date:.,03/03/2015

3-3-15 Downwind-2 Dust.txt

Start Time:,08:00:18  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.043  
,Minimum:,0.030  
,Time of Minimum:,08:13:18  
,Date of Minimum:,03/03/2015  
,Maximum:,0.131  
,Time of Maximum:,08:01:18  
,Date of Maximum:,03/03/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/03/2015,08:01:18,0.131  
03/03/2015,08:02:18,0.050  
03/03/2015,08:03:18,0.047  
03/03/2015,08:04:18,0.043  
03/03/2015,08:05:18,0.040  
03/03/2015,08:06:18,0.040  
03/03/2015,08:07:18,0.035  
03/03/2015,08:08:18,0.034  
03/03/2015,08:09:18,0.035  
03/03/2015,08:10:18,0.036  
03/03/2015,08:11:18,0.033  
03/03/2015,08:12:18,0.032  
03/03/2015,08:13:18,0.030  
03/03/2015,08:14:18,0.030  
03/03/2015,08:15:18,0.030

15/03/03 08:07

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-904802  
 Unit Firmware Ver V1.06A  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 3/3/2015 08:07:49  
 End 3/3/2015 14:55:44  
 Sample Period(s) 900  
 Number of Records 27  
 -----

Sensor VOC(ppm)  
 Span 100  
 Span 2 N/A  
 Low Alarm 1  
 High Alarm 5  
 Over Alarm 15000  
 STEL Alarm 10  
 TWA Alarm 1  
 Measurement Gas Isobutene  
 Calibration Time 3/3/2015 07:41  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	3/3/2015 08:22:49	0	5
002	3/3/2015 08:37:49	0	0
003	3/3/2015 08:52:49	0	0
004	3/3/2015 09:07:49	0	0
005	3/3/2015 09:22:49	0	0
006	3/3/2015 09:37:49	0	0
007	3/3/2015 09:52:49	0	0
008	3/3/2015 10:07:49	0	0
009	3/3/2015 10:22:49	0	0
010	3/3/2015 10:37:49	0	0
011	3/3/2015 10:52:49	0	0
012	3/3/2015 11:07:49	0	0
013	3/3/2015 11:22:49	0	0
014	3/3/2015 11:37:49	0	0
015	3/3/2015 11:52:49	0	0
016	3/3/2015 12:07:49	0	0
017	3/3/2015 12:22:49	0	0
018	3/3/2015 12:37:49	0	0
019	3/3/2015 12:52:49	0	0
020	3/3/2015 13:07:49	0	0
021	3/3/2015 13:22:49	0	0

3-3-15 Downwind-2 VOC.txt

022	3/3/2015	13:37:49	0	0
023	3/3/2015	13:52:49	0	0
024	3/3/2015	14:07:49	0	0
025	3/3/2015	14:22:49	0	0
026	3/3/2015	14:37:49	0	0
027	3/3/2015	14:52:49	0	0
Peak		0	5	
Min		0	0	
Average		0	0	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530143315  
Test ID:.,002  
Test Abbreviation:.,MANUAL\_002  
Start Date:.,03/03/2015  
Start Time:.,08:10:47  
Duration (dd:hh:mm:ss):.,0:06:45:00  
Log Interval (mm:ss):.,15:00  
Number of points:.,27  
Notes:.,

Statistics,Channel:.,AEROSOL  
,Units:.,mg/m^3  
,Average:.,0.033  
,Minimum:.,0.024  
,Time of Minimum:.,14:40:47  
,Date of Minimum:.,03/03/2015  
,Maximum:.,0.040  
,Time of Maximum:.,12:25:47  
,Date of Maximum:.,03/03/2015

Calibration,Sensor:.,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m^3  
03/03/2015,08:25:47,0.036  
03/03/2015,08:40:47,0.027  
03/03/2015,08:55:47,0.027  
03/03/2015,09:10:47,0.029  
03/03/2015,09:25:47,0.031  
03/03/2015,09:40:47,0.033  
03/03/2015,09:55:47,0.034  
03/03/2015,10:10:47,0.034  
03/03/2015,10:25:47,0.035  
03/03/2015,10:40:47,0.036  
03/03/2015,10:55:47,0.034  
03/03/2015,11:10:47,0.036  
03/03/2015,11:25:47,0.037  
03/03/2015,11:40:47,0.037  
03/03/2015,11:55:47,0.038  
03/03/2015,12:10:47,0.039  
03/03/2015,12:25:47,0.040  
03/03/2015,12:40:47,0.035  
03/03/2015,12:55:47,0.034  
03/03/2015,13:10:47,0.031  
03/03/2015,13:25:47,0.037  
03/03/2015,13:40:47,0.033  
03/03/2015,13:55:47,0.029  
03/03/2015,14:10:47,0.028  
03/03/2015,14:25:47,0.025  
03/03/2015,14:40:47,0.024  
03/03/2015,14:55:47,0.025

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530143315  
Test ID:.,002  
Test Abbreviation:.,MANUAL\_002\_A  
Start Date:.,03/03/2015

3-3-15 Upwind Dust.txt

Start Time:,08:10:48  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.036  
,Minimum:,0.028  
,Time of Minimum:,08:25:48  
,Date of Minimum:,03/03/2015  
,Maximum:,0.128  
,Time of Maximum:,08:11:48  
,Date of Maximum:,03/03/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/03/2015,08:11:48,0.128  
03/03/2015,08:12:48,0.030  
03/03/2015,08:13:48,0.030  
03/03/2015,08:14:48,0.030  
03/03/2015,08:15:48,0.030  
03/03/2015,08:16:48,0.030  
03/03/2015,08:17:48,0.029  
03/03/2015,08:18:48,0.029  
03/03/2015,08:19:48,0.030  
03/03/2015,08:20:48,0.029  
03/03/2015,08:21:48,0.029  
03/03/2015,08:22:48,0.029  
03/03/2015,08:23:48,0.029  
03/03/2015,08:24:48,0.029  
03/03/2015,08:25:48,0.028

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_B  
Start Date:,03/03/2015  
Start Time:,13:23:27  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.041  
,Minimum:,0.027  
,Time of Minimum:,13:31:27  
,Date of Minimum:,03/03/2015  
,Maximum:,0.146  
,Time of Maximum:,13:24:27  
,Date of Maximum:,03/03/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL



3-3-15 Upwind Dust.txt

MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
03/03/2015, 13:24:27, 0.146  
03/03/2015, 13:25:27, 0.030  
03/03/2015, 13:26:27, 0.028  
03/03/2015, 13:27:27, 0.110  
03/03/2015, 13:28:27, 0.030  
03/03/2015, 13:29:27, 0.028  
03/03/2015, 13:30:27, 0.028  
03/03/2015, 13:31:27, 0.027  
03/03/2015, 13:32:27, 0.028  
03/03/2015, 13:33:27, 0.028  
03/03/2015, 13:34:27, 0.028  
03/03/2015, 13:35:27, 0.028  
03/03/2015, 13:36:27, 0.028  
03/03/2015, 13:37:27, 0.028  
03/03/2015, 13:38:27, 0.028

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,03/04/2015  
Start Time:,08:14:10  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.055  
,Minimum:,0.037  
,Time of Minimum:,08:44:10  
,Date of Minimum:,03/04/2015  
,Maximum:,0.069  
,Time of Maximum:,15:29:10  
,Date of Maximum:,03/04/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/04/2015,08:29:10,0.039  
03/04/2015,08:44:10,0.037  
03/04/2015,08:59:10,0.042  
03/04/2015,09:14:10,0.045  
03/04/2015,09:29:10,0.047  
03/04/2015,09:44:10,0.047  
03/04/2015,09:59:10,0.045  
03/04/2015,10:14:10,0.044  
03/04/2015,10:29:10,0.048  
03/04/2015,10:44:10,0.051  
03/04/2015,10:59:10,0.052  
03/04/2015,11:14:10,0.053  
03/04/2015,11:29:10,0.054  
03/04/2015,11:44:10,0.055  
03/04/2015,11:59:10,0.057  
03/04/2015,12:14:10,0.059  
03/04/2015,12:29:10,0.060  
03/04/2015,12:44:10,0.061  
03/04/2015,12:59:10,0.063  
03/04/2015,13:14:10,0.065  
03/04/2015,13:29:10,0.064  
03/04/2015,13:44:10,0.061  
03/04/2015,13:59:10,0.060  
03/04/2015,14:14:10,0.061  
03/04/2015,14:29:10,0.061  
03/04/2015,14:44:10,0.065  
03/04/2015,14:59:10,0.064  
03/04/2015,15:14:10,0.066  
03/04/2015,15:29:10,0.069

15/03/04 08:20

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 3/4/2015 08:20:38  
 End 3/4/2015 15:43:23  
 Sample Period(s) 900  
 Number of Records 29  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 21.738  
 High Alarm 43.476  
 Over Alarm 15000.000  
 STEL Alarm 18.902  
 TWA Alarm 18.902  
 Measurement Gas Isobutylene  
 Calibration Time 3/4/2015 07:43  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	3/4/2015 08:35:38	0.006	0.134
002	3/4/2015 08:50:38	0.000	0.000
003	3/4/2015 09:05:38	0.000	0.000
004	3/4/2015 09:20:38	0.000	0.000
005	3/4/2015 09:35:38	0.000	0.000
006	3/4/2015 09:50:38	0.000	0.004
007	3/4/2015 10:05:38	0.010	0.021
008	3/4/2015 10:20:38	0.011	0.019
009	3/4/2015 10:35:38	0.015	0.029
010	3/4/2015 10:50:38	0.014	0.020
011	3/4/2015 11:05:38	0.015	0.022
012	3/4/2015 11:20:38	0.018	0.022
013	3/4/2015 11:35:38	0.015	0.020
014	3/4/2015 11:50:38	0.011	0.015
015	3/4/2015 12:05:38	0.012	0.019
016	3/4/2015 12:20:38	0.013	0.021
017	3/4/2015 12:35:38	0.014	0.019
018	3/4/2015 12:50:38	0.014	0.019
019	3/4/2015 13:05:38	0.017	0.026
020	3/4/2015 13:20:38	0.019	0.024
021	3/4/2015 13:35:38	0.024	0.034

3-4-15 Downwind-1 VOC.txt

022	3/4/2015	13:50:38	0.030	0.068
023	3/4/2015	14:05:38	0.036	0.052
024	3/4/2015	14:20:38	0.033	0.038
025	3/4/2015	14:35:38	0.033	0.040
026	3/4/2015	14:50:38	0.042	0.069
027	3/4/2015	15:05:38	0.040	0.052
028	3/4/2015	15:20:38	0.033	0.037
029	3/4/2015	15:35:38	0.034	0.039
Peak		0.042	0.134	
Min		0.000	0.000	
Average		0.018	0.030	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,03/04/2015  
Start Time:,08:08:21  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.052  
,Minimum:,0.037  
,Time of Minimum:,08:38:21  
,Date of Minimum:,03/04/2015  
,Maximum:,0.065  
,Time of Maximum:,14:53:21  
,Date of Maximum:,03/04/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/04/2015,08:23:21,0.039  
03/04/2015,08:38:21,0.037  
03/04/2015,08:53:21,0.040  
03/04/2015,09:08:21,0.041  
03/04/2015,09:23:21,0.044  
03/04/2015,09:38:21,0.046  
03/04/2015,09:53:21,0.045  
03/04/2015,10:08:21,0.043  
03/04/2015,10:23:21,0.044  
03/04/2015,10:38:21,0.048  
03/04/2015,10:53:21,0.049  
03/04/2015,11:08:21,0.050  
03/04/2015,11:23:21,0.052  
03/04/2015,11:38:21,0.053  
03/04/2015,11:53:21,0.054  
03/04/2015,12:08:21,0.055  
03/04/2015,12:23:21,0.057  
03/04/2015,12:38:21,0.058  
03/04/2015,12:53:21,0.060  
03/04/2015,13:08:21,0.064  
03/04/2015,13:23:21,0.061  
03/04/2015,13:38:21,0.055  
03/04/2015,13:53:21,0.061  
03/04/2015,14:08:21,0.059  
03/04/2015,14:23:21,0.057  
03/04/2015,14:38:21,0.061  
03/04/2015,14:53:21,0.065  
03/04/2015,15:08:21,0.060  
03/04/2015,15:23:21,0.063

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003

Test Abbreviation:,MANUAL\_003\_A  
Start Date:,03/04/2015  
Start Time:,08:08:29  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.039  
,Minimum:,0.037  
,Time of Minimum:,08:11:29  
,Date of Minimum:,03/04/2015  
,Maximum:,0.059  
,Time of Maximum:,08:09:29  
,Date of Maximum:,03/04/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
03/04/2015,08:09:29,0.059  
03/04/2015,08:10:29,0.038  
03/04/2015,08:11:29,0.037  
03/04/2015,08:12:29,0.037  
03/04/2015,08:13:29,0.040  
03/04/2015,08:14:29,0.040  
03/04/2015,08:15:29,0.039  
03/04/2015,08:16:29,0.038  
03/04/2015,08:17:29,0.037  
03/04/2015,08:18:29,0.037  
03/04/2015,08:19:29,0.039  
03/04/2015,08:20:29,0.040  
03/04/2015,08:21:29,0.037  
03/04/2015,08:22:29,0.038  
03/04/2015,08:23:29,0.037

15/03/04 08:15

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-904802  
 Unit Firmware Ver V1.06A  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 3/4/2015 08:15:55  
 End 3/4/2015 15:43:57  
 Sample Period(s) 900  
 Number of Records 29  
 -----

Sensor VOC(ppm)  
 Span 100  
 Span 2 N/A  
 Low Alarm 1  
 High Alarm 5  
 Over Alarm 15000  
 STEL Alarm 10  
 TWA Alarm 1  
 Measurement Gas Isobutene  
 Calibration Time 3/4/2015 07:43  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

\*\*\*\*\*

Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	3/4/2015 08:30:55	1	7
002	3/4/2015 08:45:55	0	0
003	3/4/2015 09:00:55	0	0
004	3/4/2015 09:15:55	0	0
005	3/4/2015 09:30:55	0	0
006	3/4/2015 09:45:55	0	0
007	3/4/2015 10:00:55	0	0
008	3/4/2015 10:15:55	0	0
009	3/4/2015 10:30:55	0	0
010	3/4/2015 10:45:55	0	0
011	3/4/2015 11:00:55	0	0
012	3/4/2015 11:15:55	0	0
013	3/4/2015 11:30:55	0	0
014	3/4/2015 11:45:55	0	0
015	3/4/2015 12:00:55	0	0
016	3/4/2015 12:15:55	0	0
017	3/4/2015 12:30:55	0	0
018	3/4/2015 12:45:55	0	0
019	3/4/2015 13:00:55	0	0
020	3/4/2015 13:15:55	0	0
021	3/4/2015 13:30:55	0	0

3-4-15 Downwind-2 VOC.txt

022	3/4/2015	13:45:55	0	0
023	3/4/2015	14:00:55	0	0
024	3/4/2015	14:15:55	0	0
025	3/4/2015	14:30:55	0	0
026	3/4/2015	14:45:55	0	0
027	3/4/2015	15:00:55	0	0
028	3/4/2015	15:15:55	0	0
029	3/4/2015	15:30:55	0	0
Peak		1	7	
Min		0	0	
Average		0	0	



TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,03/04/2015  
Start Time:,08:18:02  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.054  
,Minimum:,0.036  
,Time of Minimum:,08:33:02  
,Date of Minimum:,03/04/2015  
,Maximum:,0.087  
,Time of Maximum:,15:33:02  
,Date of Maximum:,03/04/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
03/04/2015,08:33:02,0.036  
03/04/2015,08:48:02,0.038  
03/04/2015,09:03:02,0.040  
03/04/2015,09:18:02,0.042  
03/04/2015,09:33:02,0.045  
03/04/2015,09:48:02,0.044  
03/04/2015,10:03:02,0.043  
03/04/2015,10:18:02,0.044  
03/04/2015,10:33:02,0.051  
03/04/2015,10:48:02,0.052  
03/04/2015,11:03:02,0.053  
03/04/2015,11:18:02,0.054  
03/04/2015,11:33:02,0.055  
03/04/2015,11:48:02,0.056  
03/04/2015,12:03:02,0.057  
03/04/2015,12:18:02,0.058  
03/04/2015,12:33:02,0.058  
03/04/2015,12:48:02,0.060  
03/04/2015,13:03:02,0.062  
03/04/2015,13:18:02,0.066  
03/04/2015,13:33:02,0.058  
03/04/2015,13:48:02,0.058  
03/04/2015,14:03:02,0.057  
03/04/2015,14:18:02,0.057  
03/04/2015,14:33:02,0.057  
03/04/2015,14:48:02,0.057  
03/04/2015,15:03:02,0.060  
03/04/2015,15:18:02,0.069  
03/04/2015,15:33:02,0.087

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003

Test Abbreviation:,MANUAL\_003\_A  
Start Date:,03/04/2015  
Start Time:,13:47:25  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.058  
,Minimum:,0.056  
,Time of Minimum:,13:49:25  
,Date of Minimum:,03/04/2015  
,Maximum:,0.070  
,Time of Maximum:,13:48:25  
,Date of Maximum:,03/04/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/04/2015,13:48:25,0.070  
03/04/2015,13:49:25,0.056  
03/04/2015,13:50:25,0.056  
03/04/2015,13:51:25,0.057  
03/04/2015,13:52:25,0.057  
03/04/2015,13:53:25,0.058  
03/04/2015,13:54:25,0.057  
03/04/2015,13:55:25,0.057  
03/04/2015,13:56:25,0.057  
03/04/2015,13:57:25,0.057  
03/04/2015,13:58:25,0.058  
03/04/2015,13:59:25,0.058  
03/04/2015,14:00:25,0.058  
03/04/2015,14:01:25,0.058  
03/04/2015,14:02:25,0.058

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_B  
Start Date:,03/04/2015  
Start Time:,15:16:48  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.087  
,Minimum:,0.070  
,Time of Minimum:,15:27:48  
,Date of Minimum:,03/04/2015  
,Maximum:,0.107  
,Time of Maximum:,15:23:48  
,Date of Maximum:,03/04/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

3-4-15 Upwind Dust.txt

```
Date,Time,AEROSOL
MM/dd/yyyy, hh:mm:ss,mg/m^3
03/04/2015,15:17:48,0.094
03/04/2015,15:18:48,0.086
03/04/2015,15:19:48,0.097
03/04/2015,15:20:48,0.105
03/04/2015,15:21:48,0.106
03/04/2015,15:22:48,0.100
03/04/2015,15:23:48,0.107
03/04/2015,15:24:48,0.079
03/04/2015,15:25:48,0.075
03/04/2015,15:26:48,0.075
03/04/2015,15:27:48,0.070
03/04/2015,15:28:48,0.074
03/04/2015,15:29:48,0.075
03/04/2015,15:30:48,0.080
03/04/2015,15:31:48,0.088
```

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,03/05/2015  
Start Time:,08:07:46  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.031  
,Minimum:,0.017  
,Time of Minimum:,08:22:46  
,Date of Minimum:,03/05/2015  
,Maximum:,0.037  
,Time of Maximum:,15:07:46  
,Date of Maximum:,03/05/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
03/05/2015,08:22:46,0.017  
03/05/2015,08:37:46,0.018  
03/05/2015,08:52:46,0.021  
03/05/2015,09:07:46,0.023  
03/05/2015,09:22:46,0.027  
03/05/2015,09:37:46,0.028  
03/05/2015,09:52:46,0.029  
03/05/2015,10:07:46,0.032  
03/05/2015,10:22:46,0.032  
03/05/2015,10:37:46,0.032  
03/05/2015,10:52:46,0.035  
03/05/2015,11:07:46,0.030  
03/05/2015,11:22:46,0.032  
03/05/2015,11:37:46,0.033  
03/05/2015,11:52:46,0.031  
03/05/2015,12:07:46,0.032  
03/05/2015,12:22:46,0.032  
03/05/2015,12:37:46,0.033  
03/05/2015,12:52:46,0.033  
03/05/2015,13:07:46,0.030  
03/05/2015,13:22:46,0.035  
03/05/2015,13:37:46,0.033  
03/05/2015,13:52:46,0.033  
03/05/2015,14:07:46,0.036  
03/05/2015,14:22:46,0.034  
03/05/2015,14:37:46,0.035  
03/05/2015,14:52:46,0.035  
03/05/2015,15:07:46,0.037  
03/05/2015,15:22:46,0.035

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,004

3-5-15 Downwind-1 Dust.txt

Test Abbreviation:,MANUAL\_004\_A  
Start Date:,03/05/2015  
Start Time:,10:45:29  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.034  
,Minimum:,0.027  
,Time of Minimum:,10:57:29  
,Date of Minimum:,03/05/2015  
,Maximum:,0.045  
,Time of Maximum:,10:46:29  
,Date of Maximum:,03/05/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/05/2015,10:46:29,0.045  
03/05/2015,10:47:29,0.030  
03/05/2015,10:48:29,0.035  
03/05/2015,10:49:29,0.036  
03/05/2015,10:50:29,0.041  
03/05/2015,10:51:29,0.037  
03/05/2015,10:52:29,0.042  
03/05/2015,10:53:29,0.036  
03/05/2015,10:54:29,0.028  
03/05/2015,10:55:29,0.032  
03/05/2015,10:56:29,0.031  
03/05/2015,10:57:29,0.027  
03/05/2015,10:58:29,0.027  
03/05/2015,10:59:29,0.027  
03/05/2015,11:00:29,0.028

Model:,DustTrak II  
Model Number:,,8530  
Serial Number:,,8530141112  
Test ID:,,004  
Test Abbreviation:,MANUAL\_004\_B  
Start Date:,03/05/2015  
Start Time:,12:08:36  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.032  
,Minimum:,0.027  
,Time of Minimum:,12:22:36  
,Date of Minimum:,03/05/2015  
,Maximum:,0.040  
,Time of Maximum:,12:09:36  
,Date of Maximum:,03/05/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

3-5-15 Downwind-1 Dust.txt

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/05/2015,12:09:36,0.040  
03/05/2015,12:10:36,0.033  
03/05/2015,12:11:36,0.032  
03/05/2015,12:12:36,0.031  
03/05/2015,12:13:36,0.032  
03/05/2015,12:14:36,0.032  
03/05/2015,12:15:36,0.033  
03/05/2015,12:16:36,0.028  
03/05/2015,12:17:36,0.030  
03/05/2015,12:18:36,0.034  
03/05/2015,12:19:36,0.040  
03/05/2015,12:20:36,0.029  
03/05/2015,12:21:36,0.028  
03/05/2015,12:22:36,0.027  
03/05/2015,12:23:36,0.027

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_C  
Start Date:,03/05/2015  
Start Time:,14:09:05  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.034  
,Minimum:,0.029  
,Time of Minimum:,14:11:05  
,Date of Minimum:,03/05/2015  
,Maximum:,0.056  
,Time of Maximum:,14:20:05  
,Date of Maximum:,03/05/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/05/2015,14:10:05,0.041  
03/05/2015,14:11:05,0.029  
03/05/2015,14:12:05,0.029  
03/05/2015,14:13:05,0.030  
03/05/2015,14:14:05,0.031  
03/05/2015,14:15:05,0.031  
03/05/2015,14:16:05,0.032  
03/05/2015,14:17:05,0.032  
03/05/2015,14:18:05,0.035  
03/05/2015,14:19:05,0.032  
03/05/2015,14:20:05,0.056  
03/05/2015,14:21:05,0.041  
03/05/2015,14:22:05,0.033  
03/05/2015,14:23:05,0.030  
03/05/2015,14:24:05,0.030

15/03/05 08:14

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 3/5/2015 08:14:37  
 End 3/5/2015 15:37:21  
 Sample Period(s) 900  
 Number of Records 29  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 21.738  
 High Alarm 43.476  
 Over Alarm 15000.000  
 STEL Alarm 18.902  
 TWA Alarm 18.902  
 Measurement Gas Isobutylene  
 Calibration Time 3/5/2015 07:42  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

\*\*\*\*\*

Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	3/5/2015 08:29:37	0.059	0.175
002	3/5/2015 08:44:37	0.006	0.029
003	3/5/2015 08:59:37	0.006	0.024
004	3/5/2015 09:14:37	0.024	0.050
005	3/5/2015 09:29:37	0.041	0.057
006	3/5/2015 09:44:37	0.055	0.098
007	3/5/2015 09:59:37	0.065	0.086
008	3/5/2015 10:14:37	0.078	0.101
009	3/5/2015 10:29:37	0.084	0.106
010	3/5/2015 10:44:37	0.080	0.093
011	3/5/2015 10:59:37	0.084	0.106
012	3/5/2015 11:14:37	0.087	0.108
013	3/5/2015 11:29:37	0.091	0.110
014	3/5/2015 11:44:37	0.092	0.113
015	3/5/2015 11:59:37	0.093	0.112
016	3/5/2015 12:14:37	0.099	0.130
017	3/5/2015 12:29:37	0.100	0.112
018	3/5/2015 12:44:37	0.102	0.124
019	3/5/2015 12:59:37	0.106	0.134
020	3/5/2015 13:14:37	0.106	0.120
021	3/5/2015 13:29:37	0.107	0.127

3-5-15 Downwind-1 VOC.txt

022	3/5/2015	13:44:37	0.104	0.127
023	3/5/2015	13:59:37	0.106	0.125
024	3/5/2015	14:14:37	0.108	0.125
025	3/5/2015	14:29:37	0.110	0.130
026	3/5/2015	14:44:37	0.109	0.135
027	3/5/2015	14:59:37	0.108	0.133
028	3/5/2015	15:14:37	0.111	0.139
029	3/5/2015	15:29:37	0.115	0.140
Peak		0.115	0.175	
Min		0.006	0.024	
Average		0.084	0.109	



TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530122515  
Test ID:.,004  
Test Abbreviation:.,MANUAL\_004  
Start Date:.,03/05/2015  
Start Time:.,08:07:33  
Duration (dd:hh:mm:ss):.,0:07:15:00  
Log Interval (mm:ss):.,15:00  
Number of points:.,29  
Notes:.,

Statistics,Channel:.,AEROSOL  
,Units:.,mg/m<sup>3</sup>  
,Average:.,0.025  
,Minimum:.,0.016  
,Time of Minimum:.,08:22:33  
,Date of Minimum:.,03/05/2015  
,Maximum:.,0.029  
,Time of Maximum:.,13:52:33  
,Date of Maximum:.,03/05/2015

Calibration,Sensor:.,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
03/05/2015,08:22:33,0.016  
03/05/2015,08:37:33,0.017  
03/05/2015,08:52:33,0.019  
03/05/2015,09:07:33,0.020  
03/05/2015,09:22:33,0.021  
03/05/2015,09:37:33,0.025  
03/05/2015,09:52:33,0.023  
03/05/2015,10:07:33,0.025  
03/05/2015,10:22:33,0.028  
03/05/2015,10:37:33,0.026  
03/05/2015,10:52:33,0.027  
03/05/2015,11:07:33,0.026  
03/05/2015,11:22:33,0.027  
03/05/2015,11:37:33,0.025  
03/05/2015,11:52:33,0.028  
03/05/2015,12:07:33,0.026  
03/05/2015,12:22:33,0.026  
03/05/2015,12:37:33,0.026  
03/05/2015,12:52:33,0.027  
03/05/2015,13:07:33,0.028  
03/05/2015,13:22:33,0.026  
03/05/2015,13:37:33,0.027  
03/05/2015,13:52:33,0.029  
03/05/2015,14:07:33,0.027  
03/05/2015,14:22:33,0.028  
03/05/2015,14:37:33,0.029  
03/05/2015,14:52:33,0.028  
03/05/2015,15:07:33,0.027  
03/05/2015,15:22:33,0.027

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530122515  
Test ID:.,004

Test Abbreviation:,MANUAL\_004\_A  
Start Date:,03/05/2015  
Start Time:,08:07:34  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.016  
,Minimum:,0.013  
,Time of Minimum:,08:11:34  
,Date of Minimum:,03/05/2015  
,Maximum:,0.027  
,Time of Maximum:,08:08:34  
,Date of Maximum:,03/05/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/05/2015,08:08:34,0.027  
03/05/2015,08:09:34,0.014  
03/05/2015,08:10:34,0.014  
03/05/2015,08:11:34,0.013  
03/05/2015,08:12:34,0.015  
03/05/2015,08:13:34,0.014  
03/05/2015,08:14:34,0.017  
03/05/2015,08:15:34,0.016  
03/05/2015,08:16:34,0.017  
03/05/2015,08:17:34,0.017  
03/05/2015,08:18:34,0.014  
03/05/2015,08:19:34,0.016  
03/05/2015,08:20:34,0.014  
03/05/2015,08:21:34,0.017  
03/05/2015,08:22:34,0.014

15/03/05 08:15

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-904802  
 Unit Firmware Ver V1.06A  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 3/5/2015 08:15:30  
 End 3/5/2015 15:37:24  
 Sample Period(s) 900  
 Number of Records 29  
 -----

Sensor VOC(ppm)  
 Span 100  
 Span 2 N/A  
 Low Alarm 1  
 High Alarm 5  
 Over Alarm 15000  
 STEL Alarm 10  
 TWA Alarm 1  
 Measurement Gas Isobutene  
 Calibration Time 3/5/2015 07:48  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	3/5/2015 08:30:30	0	6
002	3/5/2015 08:45:30	0	0
003	3/5/2015 09:00:30	0	0
004	3/5/2015 09:15:30	0	0
005	3/5/2015 09:30:30	0	0
006	3/5/2015 09:45:30	0	0
007	3/5/2015 10:00:30	0	0
008	3/5/2015 10:15:30	0	0
009	3/5/2015 10:30:30	0	0
010	3/5/2015 10:45:30	0	0
011	3/5/2015 11:00:30	0	0
012	3/5/2015 11:15:30	0	0
013	3/5/2015 11:30:30	0	0
014	3/5/2015 11:45:30	0	0
015	3/5/2015 12:00:30	0	0
016	3/5/2015 12:15:30	0	0
017	3/5/2015 12:30:30	0	0
018	3/5/2015 12:45:30	0	0
019	3/5/2015 13:00:30	0	0
020	3/5/2015 13:15:30	0	0
021	3/5/2015 13:30:30	0	0

3-5-15 Downwind-2 VOC.txt

022	3/5/2015	13:45:30	0	0
023	3/5/2015	14:00:30	0	0
024	3/5/2015	14:15:30	0	0
025	3/5/2015	14:30:30	0	0
026	3/5/2015	14:45:30	0	0
027	3/5/2015	15:00:30	0	0
028	3/5/2015	15:15:30	0	0
029	3/5/2015	15:30:30	0	0
Peak		0	6	
Min		0	0	
Average		0	0	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,03/05/2015  
Start Time:,08:13:22  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.024  
,Minimum:,0.013  
,Time of Minimum:,08:43:22  
,Date of Minimum:,03/05/2015  
,Maximum:,0.087  
,Time of Maximum:,13:58:22  
,Date of Maximum:,03/05/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/05/2015,08:28:22,0.018  
03/05/2015,08:43:22,0.013  
03/05/2015,08:58:22,0.019  
03/05/2015,09:13:22,0.017  
03/05/2015,09:28:22,0.021  
03/05/2015,09:43:22,0.018  
03/05/2015,09:58:22,0.022  
03/05/2015,10:13:22,0.020  
03/05/2015,10:28:22,0.020  
03/05/2015,10:43:22,0.021  
03/05/2015,10:58:22,0.023  
03/05/2015,11:13:22,0.030  
03/05/2015,11:28:22,0.021  
03/05/2015,11:43:22,0.022  
03/05/2015,11:58:22,0.022  
03/05/2015,12:13:22,0.024  
03/05/2015,12:28:22,0.023  
03/05/2015,12:43:22,0.022  
03/05/2015,12:58:22,0.023  
03/05/2015,13:13:22,0.025  
03/05/2015,13:28:22,0.024  
03/05/2015,13:43:22,0.025  
03/05/2015,13:58:22,0.087  
03/05/2015,14:13:22,0.026  
03/05/2015,14:28:22,0.025  
03/05/2015,14:43:22,0.024  
03/05/2015,14:58:22,0.024  
03/05/2015,15:13:22,0.022  
03/05/2015,15:28:22,0.022

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,004

Test Abbreviation:,MANUAL\_004\_A  
Start Date:,03/05/2015  
Start Time:,08:13:23  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.018  
,Minimum:,0.012  
,Time of Minimum:,08:17:23  
,Date of Minimum:,03/05/2015  
,Maximum:,0.082  
,Time of Maximum:,08:14:23  
,Date of Maximum:,03/05/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/05/2015,08:14:23,0.082  
03/05/2015,08:15:23,0.014  
03/05/2015,08:16:23,0.014  
03/05/2015,08:17:23,0.012  
03/05/2015,08:18:23,0.013  
03/05/2015,08:19:23,0.013  
03/05/2015,08:20:23,0.014  
03/05/2015,08:21:23,0.015  
03/05/2015,08:22:23,0.014  
03/05/2015,08:23:23,0.012  
03/05/2015,08:24:23,0.012  
03/05/2015,08:25:23,0.012  
03/05/2015,08:26:23,0.012  
03/05/2015,08:27:23,0.013  
03/05/2015,08:28:23,0.012

Model:,DustTrak II  
Model Number:,,8530  
Serial Number:,,8530143315  
Test ID:,,004  
Test Abbreviation:,MANUAL\_004\_B  
Start Date:,03/05/2015  
Start Time:,08:56:13  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.021  
,Minimum:,0.014  
,Time of Minimum:,09:01:13  
,Date of Minimum:,03/05/2015  
,Maximum:,0.089  
,Time of Maximum:,08:57:13  
,Date of Maximum:,03/05/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

3-5-15 Upwind Dust.txt

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/05/2015,08:57:13,0.089  
03/05/2015,08:58:13,0.016  
03/05/2015,08:59:13,0.037  
03/05/2015,09:00:13,0.018  
03/05/2015,09:01:13,0.014  
03/05/2015,09:02:13,0.014  
03/05/2015,09:03:13,0.014  
03/05/2015,09:04:13,0.014  
03/05/2015,09:05:13,0.016  
03/05/2015,09:06:13,0.015  
03/05/2015,09:07:13,0.014  
03/05/2015,09:08:13,0.014  
03/05/2015,09:09:13,0.015  
03/05/2015,09:10:13,0.015  
03/05/2015,09:11:13,0.015

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_C  
Start Date:,03/05/2015  
Start Time:,09:23:12  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.019  
,Minimum:,0.015  
,Time of Minimum:,09:26:12  
,Date of Minimum:,03/05/2015  
,Maximum:,0.051  
,Time of Maximum:,09:24:12  
,Date of Maximum:,03/05/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/05/2015,09:24:12,0.051  
03/05/2015,09:25:12,0.016  
03/05/2015,09:26:12,0.015  
03/05/2015,09:27:12,0.016  
03/05/2015,09:28:12,0.016  
03/05/2015,09:29:12,0.017  
03/05/2015,09:30:12,0.018  
03/05/2015,09:31:12,0.017  
03/05/2015,09:32:12,0.019  
03/05/2015,09:33:12,0.017  
03/05/2015,09:34:12,0.017  
03/05/2015,09:35:12,0.018  
03/05/2015,09:36:12,0.017  
03/05/2015,09:37:12,0.017  
03/05/2015,09:38:12,0.018

Model:,DustTrak II

3-5-15 Upwind Dust.txt

Model Number:,8530  
Serial Number:,8530143315  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_D  
Start Date:,03/05/2015  
Start Time:,11:05:37  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.029  
,Minimum:,0.020  
,Time of Minimum:,11:15:37  
,Date of Minimum:,03/05/2015  
,Maximum:,0.143  
,Time of Maximum:,11:06:37  
,Date of Maximum:,03/05/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/05/2015,11:06:37,0.143  
03/05/2015,11:07:37,0.021  
03/05/2015,11:08:37,0.022  
03/05/2015,11:09:37,0.021  
03/05/2015,11:10:37,0.021  
03/05/2015,11:11:37,0.024  
03/05/2015,11:12:37,0.022  
03/05/2015,11:13:37,0.022  
03/05/2015,11:14:37,0.021  
03/05/2015,11:15:37,0.020  
03/05/2015,11:16:37,0.020  
03/05/2015,11:17:37,0.020  
03/05/2015,11:18:37,0.021  
03/05/2015,11:19:37,0.021  
03/05/2015,11:20:37,0.020

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_E  
Start Date:,03/05/2015  
Start Time:,11:27:44  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.022  
,Minimum:,0.020  
,Time of Minimum:,11:32:44  
,Date of Minimum:,03/05/2015  
,Maximum:,0.032  
,Time of Maximum:,11:28:44  
,Date of Maximum:,03/05/2015



3-5-15 Upwind Dust.txt

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m^3  
03/05/2015,11:28:44,0.032  
03/05/2015,11:29:44,0.021  
03/05/2015,11:30:44,0.021  
03/05/2015,11:31:44,0.021  
03/05/2015,11:32:44,0.020  
03/05/2015,11:33:44,0.020  
03/05/2015,11:34:44,0.021  
03/05/2015,11:35:44,0.022  
03/05/2015,11:36:44,0.021  
03/05/2015,11:37:44,0.021  
03/05/2015,11:38:44,0.021  
03/05/2015,11:39:44,0.024  
03/05/2015,11:40:44,0.021  
03/05/2015,11:41:44,0.020  
03/05/2015,11:42:44,0.021

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_F  
Start Date:,03/05/2015  
Start Time:,13:46:50  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m^3  
,Average:,0.087  
,Minimum:,0.022  
,Time of Minimum:,14:00:50  
,Date of Minimum:,03/05/2015  
,Maximum:,0.321  
,Time of Maximum:,13:50:50  
,Date of Maximum:,03/05/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m^3  
03/05/2015,13:47:50,0.084  
03/05/2015,13:48:50,0.038  
03/05/2015,13:49:50,0.264  
03/05/2015,13:50:50,0.321  
03/05/2015,13:51:50,0.059  
03/05/2015,13:52:50,0.170  
03/05/2015,13:53:50,0.048  
03/05/2015,13:54:50,0.111  
03/05/2015,13:55:50,0.068  
03/05/2015,13:56:50,0.025  
03/05/2015,13:57:50,0.024  
03/05/2015,13:58:50,0.024  
03/05/2015,13:59:50,0.023  
03/05/2015,14:00:50,0.022

03/05/2015,14:01:50,0.023

3-5-15 Upwind Dust.txt

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,005  
Test Abbreviation:,MANUAL\_005  
Start Date:,03/06/2015  
Start Time:,08:06:37  
Duration (dd:hh:mm:ss):,0:06:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,25  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.032  
,Minimum:,0.027  
,Time of Minimum:,08:36:37  
,Date of Minimum:,03/06/2015  
,Maximum:,0.033  
,Time of Maximum:,09:06:37  
,Date of Maximum:,03/06/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
03/06/2015,08:21:37,0.028  
03/06/2015,08:36:37,0.027  
03/06/2015,08:51:37,0.029  
03/06/2015,09:06:37,0.033  
03/06/2015,09:21:37,0.033  
03/06/2015,09:36:37,0.033  
03/06/2015,09:51:37,0.032  
03/06/2015,10:06:37,0.033  
03/06/2015,10:21:37,0.032  
03/06/2015,10:36:37,0.032  
03/06/2015,10:51:37,0.031  
03/06/2015,11:06:37,0.032  
03/06/2015,11:21:37,0.031  
03/06/2015,11:36:37,0.031  
03/06/2015,11:51:37,0.032  
03/06/2015,12:06:37,0.032  
03/06/2015,12:21:37,0.032  
03/06/2015,12:36:37,0.032  
03/06/2015,12:51:37,0.032  
03/06/2015,13:06:37,0.033  
03/06/2015,13:21:37,0.032  
03/06/2015,13:36:37,0.031  
03/06/2015,13:51:37,0.032  
03/06/2015,14:06:37,0.033  
03/06/2015,14:21:37,0.031

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_A  
Start Date:,03/06/2015  
Start Time:,12:52:26  
Duration (dd:hh:mm:ss):,0:00:15:00

Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.033  
,Minimum:,0.030  
,Time of Minimum:,12:59:26  
,Date of Minimum:,03/06/2015  
,Maximum:,0.037  
,Time of Maximum:,12:53:26  
,Date of Maximum:,03/06/2015

Calibration,Sensor:,AEROSOL  
,cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
03/06/2015,12:53:26,0.037  
03/06/2015,12:54:26,0.031  
03/06/2015,12:55:26,0.034  
03/06/2015,12:56:26,0.033  
03/06/2015,12:57:26,0.032  
03/06/2015,12:58:26,0.031  
03/06/2015,12:59:26,0.030  
03/06/2015,13:00:26,0.035  
03/06/2015,13:01:26,0.031  
03/06/2015,13:02:26,0.032  
03/06/2015,13:03:26,0.032  
03/06/2015,13:04:26,0.033  
03/06/2015,13:05:26,0.032  
03/06/2015,13:06:26,0.034  
03/06/2015,13:07:26,0.032

15/03/06 08:10

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 3/6/2015 08:10:52  
 End 3/6/2015 14:44:30  
 Sample Period(s) 900  
 Number of Records 26  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 21.738  
 High Alarm 43.476  
 Over Alarm 15000.000  
 STEL Alarm 18.902  
 TWA Alarm 18.902  
 Measurement Gas Isobutylene  
 Calibration Time 3/6/2015 07:52  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	3/6/2015 08:25:52	0.018	0.100
002	3/6/2015 08:40:52	0.000	0.007
003	3/6/2015 08:55:52	0.001	0.009
004	3/6/2015 09:10:52	0.017	0.063
005	3/6/2015 09:25:52	0.023	0.035
006	3/6/2015 09:40:52	0.037	0.058
007	3/6/2015 09:55:52	0.040	0.051
008	3/6/2015 10:10:52	0.049	0.088
009	3/6/2015 10:25:52	0.048	0.064
010	3/6/2015 10:40:52	0.050	0.057
011	3/6/2015 10:55:52	0.050	0.060
012	3/6/2015 11:10:52	0.051	0.057
013	3/6/2015 11:25:52	0.052	0.060
014	3/6/2015 11:40:52	0.057	0.070
015	3/6/2015 11:55:52	0.060	0.077
016	3/6/2015 12:10:52	0.059	0.090
017	3/6/2015 12:25:52	0.058	0.079
018	3/6/2015 12:40:52	0.055	0.062
019	3/6/2015 12:55:52	0.054	0.062
020	3/6/2015 13:10:52	0.059	0.069
021	3/6/2015 13:25:52	0.063	0.075

3-6-15 Downwind-1 VOC.txt

022	3/6/2015	13:40:52	0.064	0.079
023	3/6/2015	13:55:52	0.074	0.089
024	3/6/2015	14:10:52	0.076	0.087
025	3/6/2015	14:25:52	0.076	0.084
026	3/6/2015	14:40:52	0.079	0.090
Peak		0.079	0.100	
Min		0.000	0.007	
Average		0.049	0.066	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530122515  
Test ID:.,005  
Test Abbreviation:.,MANUAL\_005  
Start Date:.,03/06/2015  
Start Time:.,08:00:51  
Duration (dd:hh:mm:ss):.,0:06:30:00  
Log Interval (mm:ss):.,15:00  
Number of points:.,26  
Notes:.,

Statistics,Channel:.,AEROSOL  
,Units:.,mg/m^3  
,Average:.,0.026  
,Minimum:.,0.024  
,Time of Minimum:.,08:15:51  
,Date of Minimum:.,03/06/2015  
,Maximum:.,0.028  
,Time of Maximum:.,09:00:51  
,Date of Maximum:.,03/06/2015

Calibration,Sensor:.,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m^3  
03/06/2015,08:15:51,0.024  
03/06/2015,08:30:51,0.024  
03/06/2015,08:45:51,0.024  
03/06/2015,09:00:51,0.028  
03/06/2015,09:15:51,0.027  
03/06/2015,09:30:51,0.028  
03/06/2015,09:45:51,0.027  
03/06/2015,10:00:51,0.027  
03/06/2015,10:15:51,0.026  
03/06/2015,10:30:51,0.025  
03/06/2015,10:45:51,0.025  
03/06/2015,11:00:51,0.025  
03/06/2015,11:15:51,0.026  
03/06/2015,11:30:51,0.025  
03/06/2015,11:45:51,0.025  
03/06/2015,12:00:51,0.025  
03/06/2015,12:15:51,0.026  
03/06/2015,12:30:51,0.027  
03/06/2015,12:45:51,0.027  
03/06/2015,13:00:51,0.027  
03/06/2015,13:15:51,0.027  
03/06/2015,13:30:51,0.025  
03/06/2015,13:45:51,0.027  
03/06/2015,14:00:51,0.028  
03/06/2015,14:15:51,0.027  
03/06/2015,14:30:51,0.026

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530122515  
Test ID:.,005  
Test Abbreviation:.,MANUAL\_005\_A  
Start Date:.,03/06/2015  
Start Time:.,11:15:45

Duration (dd:hh:mm:ss):,0:00:15:00

Log Interval (mm:ss):,01:00

Number of points:,15

Notes:,

Statistics,Channel: ,AEROSOL

,Units:,mg/m<sup>3</sup>

,Average: ,0.025

,Minimum: ,0.024

,Time of Minimum: ,11:18:45

,Date of Minimum: ,03/06/2015

,Maximum: ,0.030

,Time of Maximum: ,11:16:45

,Date of Maximum: ,03/06/2015

Calibration,Sensor: ,AEROSOL

,Cal. date,10/09/2014

Date,Time,AEROSOL

MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>

03/06/2015,11:16:45,0.030

03/06/2015,11:17:45,0.025

03/06/2015,11:18:45,0.024

03/06/2015,11:19:45,0.025

03/06/2015,11:20:45,0.024

03/06/2015,11:21:45,0.025

03/06/2015,11:22:45,0.025

03/06/2015,11:23:45,0.024

03/06/2015,11:24:45,0.026

03/06/2015,11:25:45,0.026

03/06/2015,11:26:45,0.025

03/06/2015,11:27:45,0.025

03/06/2015,11:28:45,0.024

03/06/2015,11:29:45,0.025

03/06/2015,11:30:45,0.026



15/03/06 08:10

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-909582  
 Unit Firmware Ver v1.20  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 3/6/2015 08:10:31  
 End 3/6/2015 14:38:32  
 Sample Period(s) 900  
 Number of Records 25  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 1.000  
 High Alarm 5.000  
 Over Alarm 15000.000  
 STEL Alarm 25.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 3/6/2015 07:26  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	3/6/2015 08:25:31	0.003	0.264
002	3/6/2015 08:40:31	0.000	0.000
003	3/6/2015 08:55:31	0.000	0.000
004	3/6/2015 09:10:31	0.000	0.000
005	3/6/2015 09:25:31	0.000	0.000
006	3/6/2015 09:40:31	0.000	0.000
007	3/6/2015 09:55:31	0.000	0.000
008	3/6/2015 10:10:31	0.000	0.000
009	3/6/2015 10:25:31	0.000	0.016
010	3/6/2015 10:40:31	0.050	0.096
011	3/6/2015 10:55:31	0.121	0.164
012	3/6/2015 11:10:31	0.204	0.245
013	3/6/2015 11:25:31	0.250	0.282
014	3/6/2015 11:40:31	0.299	0.328
015	3/6/2015 11:55:31	0.341	0.378
016	3/6/2015 12:10:31	0.387	0.414
017	3/6/2015 12:25:31	0.414	0.465
018	3/6/2015 12:40:31	0.418	0.471
019	3/6/2015 12:55:31	0.414	0.463
020	3/6/2015 13:10:31	0.436	0.481
021	3/6/2015 13:25:31	0.458	0.507

3-6-15 Downwind-2 VOC.txt

022	3/6/2015 13:40:31	0.526	0.587
023	3/6/2015 13:55:31	0.605	0.658
024	3/6/2015 14:10:31	0.700	0.814
025	3/6/2015 14:25:31	0.847	0.942
Peak	0.847	0.942	
Min	0.000	0.000	
Average	0.259	0.303	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530143315  
Test ID:.,005  
Test Abbreviation:.,MANUAL\_005  
Start Date:.,03/06/2015  
Start Time:.,11:11:17  
Duration (dd:hh:mm:ss):.,0:03:15:00  
Log Interval (mm:ss):.,15:00  
Number of points:.,13  
Notes:.,

Statistics,Channel:.,AEROSOL  
,Units:.,mg/m<sup>3</sup>  
,Average:.,0.020  
,Minimum:.,0.015  
,Time of Minimum:.,11:26:17  
,Date of Minimum:.,03/06/2015  
,Maximum:.,0.026  
,Time of Maximum:.,14:26:17  
,Date of Maximum:.,03/06/2015

Calibration,Sensor:.,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/06/2015,11:26:17,0.015  
03/06/2015,11:41:17,0.016  
03/06/2015,11:56:17,0.017  
03/06/2015,12:11:17,0.018  
03/06/2015,12:26:17,0.019  
03/06/2015,12:41:17,0.020  
03/06/2015,12:56:17,0.021  
03/06/2015,13:11:17,0.022  
03/06/2015,13:26:17,0.022  
03/06/2015,13:41:17,0.022  
03/06/2015,13:56:17,0.023  
03/06/2015,14:11:17,0.024  
03/06/2015,14:26:17,0.026

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,03/09/2015  
Start Time:,08:03:22  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.061  
,Minimum:,0.028  
,Time of Minimum:,14:33:22  
,Date of Minimum:,03/09/2015  
,Maximum:,0.090  
,Time of Maximum:,09:48:22  
,Date of Maximum:,03/09/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/09/2015,08:18:22,0.073  
03/09/2015,08:33:22,0.077  
03/09/2015,08:48:22,0.079  
03/09/2015,09:03:22,0.083  
03/09/2015,09:18:22,0.086  
03/09/2015,09:33:22,0.089  
03/09/2015,09:48:22,0.090  
03/09/2015,10:03:22,0.087  
03/09/2015,10:18:22,0.085  
03/09/2015,10:33:22,0.081  
03/09/2015,10:48:22,0.080  
03/09/2015,11:03:22,0.079  
03/09/2015,11:18:22,0.075  
03/09/2015,11:33:22,0.072  
03/09/2015,11:48:22,0.070  
03/09/2015,12:03:22,0.066  
03/09/2015,12:18:22,0.054  
03/09/2015,12:33:22,0.055  
03/09/2015,12:48:22,0.057  
03/09/2015,13:03:22,0.051  
03/09/2015,13:18:22,0.040  
03/09/2015,13:33:22,0.032  
03/09/2015,13:48:22,0.032  
03/09/2015,14:03:22,0.030  
03/09/2015,14:18:22,0.030  
03/09/2015,14:33:22,0.028  
03/09/2015,14:48:22,0.030  
03/09/2015,15:03:22,0.032  
03/09/2015,15:18:22,0.037  
03/09/2015,15:33:22,0.045

15/03/09 08:06

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 3/9/2015 08:06:56  
 End 3/9/2015 15:45:47  
 Sample Period(s) 900  
 Number of Records 30  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 21.738  
 High Alarm 43.476  
 Over Alarm 15000.000  
 STEL Alarm 18.902  
 TWA Alarm 18.902  
 Measurement Gas Isobutylene  
 Calibration Time 3/9/2015 07:40  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	3/9/2015 08:21:56	0.008	0.200
002	3/9/2015 08:36:56	0.000	0.000
003	3/9/2015 08:51:56	0.000	0.000
004	3/9/2015 09:06:56	0.000	0.000
005	3/9/2015 09:21:56	0.000	0.000
006	3/9/2015 09:36:56	0.000	0.000
007	3/9/2015 09:51:56	0.000	0.000
008	3/9/2015 10:06:56	0.000	0.000
009	3/9/2015 10:21:56	0.000	0.004
010	3/9/2015 10:36:56	0.000	0.004
011	3/9/2015 10:51:56	0.000	0.003
012	3/9/2015 11:06:56	0.000	0.005
013	3/9/2015 11:21:56	0.000	0.010
014	3/9/2015 11:36:56	0.000	0.011
015	3/9/2015 11:51:56	0.000	0.003
016	3/9/2015 12:06:56	0.000	0.001
017	3/9/2015 12:21:56	0.000	0.009
018	3/9/2015 12:36:56	0.000	0.004
019	3/9/2015 12:51:56	0.000	0.008
020	3/9/2015 13:06:56	0.003	0.014
021	3/9/2015 13:21:56	0.004	0.012

3-9-15 Downwind-1 VOC.txt

022	3/9/2015	13:36:56	0.003	0.009
023	3/9/2015	13:51:56	0.001	0.009
024	3/9/2015	14:06:56	0.000	0.000
025	3/9/2015	14:21:56	0.000	0.000
026	3/9/2015	14:36:56	0.000	0.000
027	3/9/2015	14:51:56	0.003	0.011
028	3/9/2015	15:06:56	0.003	0.013
029	3/9/2015	15:21:56	0.000	0.005
030	3/9/2015	15:36:56	0.000	0.000
Peak		0.008	0.200	
Min		0.000	0.000	
Average		0.001	0.011	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,03/09/2015  
Start Time:,08:04:10  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.054  
,Minimum:,0.028  
,Time of Minimum:,14:19:10  
,Date of Minimum:,03/09/2015  
,Maximum:,0.078  
,Time of Maximum:,10:04:10  
,Date of Maximum:,03/09/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/09/2015,08:19:10,0.068  
03/09/2015,08:34:10,0.064  
03/09/2015,08:49:10,0.068  
03/09/2015,09:04:10,0.071  
03/09/2015,09:19:10,0.073  
03/09/2015,09:34:10,0.074  
03/09/2015,09:49:10,0.075  
03/09/2015,10:04:10,0.078  
03/09/2015,10:19:10,0.075  
03/09/2015,10:34:10,0.072  
03/09/2015,10:49:10,0.071  
03/09/2015,11:04:10,0.070  
03/09/2015,11:19:10,0.068  
03/09/2015,11:34:10,0.066  
03/09/2015,11:49:10,0.063  
03/09/2015,12:04:10,0.062  
03/09/2015,12:19:10,0.050  
03/09/2015,12:34:10,0.049  
03/09/2015,12:49:10,0.050  
03/09/2015,13:04:10,0.046  
03/09/2015,13:19:10,0.038  
03/09/2015,13:34:10,0.031  
03/09/2015,13:49:10,0.029  
03/09/2015,14:04:10,0.029  
03/09/2015,14:19:10,0.028  
03/09/2015,14:34:10,0.029  
03/09/2015,14:49:10,0.028  
03/09/2015,15:04:10,0.029  
03/09/2015,15:19:10,0.033  
03/09/2015,15:34:10,0.040

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515

3-9-15 Downwind-2 Dust.txt

Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,03/09/2015  
Start Time:,08:04:11  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.068  
,Minimum:,0.058  
,Time of Minimum:,08:06:11  
,Date of Minimum:,03/09/2015  
,Maximum:,0.180  
,Time of Maximum:,08:05:11  
,Date of Maximum:,03/09/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/09/2015,08:05:11,0.180  
03/09/2015,08:06:11,0.058  
03/09/2015,08:07:11,0.061  
03/09/2015,08:08:11,0.060  
03/09/2015,08:09:11,0.061  
03/09/2015,08:10:11,0.061  
03/09/2015,08:11:11,0.060  
03/09/2015,08:12:11,0.059  
03/09/2015,08:13:11,0.059  
03/09/2015,08:14:11,0.060  
03/09/2015,08:15:11,0.059  
03/09/2015,08:16:11,0.060  
03/09/2015,08:17:11,0.062  
03/09/2015,08:18:11,0.063  
03/09/2015,08:19:11,0.063



15/03/09 08:03

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 3/9/2015 08:03:34  
 End 3/9/2015 15:44:42  
 Sample Period(s) 900  
 Number of Records 30  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 50.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 100.000  
 TWA Alarm 10.869  
 Measurement Gas Isobutylene  
 Calibration Time 3/9/2015 07:41  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	3/9/2015 08:18:34	0.024	0.522
002	3/9/2015 08:33:34	0.000	0.000
003	3/9/2015 08:48:34	0.000	0.000
004	3/9/2015 09:03:34	0.000	0.000
005	3/9/2015 09:18:34	0.001	0.035
006	3/9/2015 09:33:34	0.002	0.011
007	3/9/2015 09:48:34	0.023	0.087
008	3/9/2015 10:03:34	0.028	0.048
009	3/9/2015 10:18:34	0.031	0.089
010	3/9/2015 10:33:34	0.021	0.030
011	3/9/2015 10:48:34	0.023	0.045
012	3/9/2015 11:03:34	0.027	0.040
013	3/9/2015 11:18:34	0.043	0.064
014	3/9/2015 11:33:34	0.028	0.038
015	3/9/2015 11:48:34	0.023	0.030
016	3/9/2015 12:03:34	0.028	0.034
017	3/9/2015 12:18:34	0.021	0.031
018	3/9/2015 12:33:34	0.016	0.029
019	3/9/2015 12:48:34	0.020	0.027
020	3/9/2015 13:03:34	0.024	0.030
021	3/9/2015 13:18:34	0.013	0.020

3-9-15 Downwind-2 VOC.txt

022	3/9/2015	13:33:34	0.016	0.023
023	3/9/2015	13:48:34	0.019	0.027
024	3/9/2015	14:03:34	0.007	0.017
025	3/9/2015	14:18:34	0.003	0.028
026	3/9/2015	14:33:34	0.000	0.018
027	3/9/2015	14:48:34	0.002	0.021
028	3/9/2015	15:03:34	0.009	0.021
029	3/9/2015	15:18:34	0.021	0.040
030	3/9/2015	15:33:34	0.012	0.039
Peak		0.043	0.522	
Min		0.000	0.000	
Average		0.016	0.048	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,03/09/2015  
Start Time:,08:15:38  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.057  
,Minimum:,0.026  
,Time of Minimum:,14:30:38  
,Date of Minimum:,03/09/2015  
,Maximum:,0.083  
,Time of Maximum:,10:00:38  
,Date of Maximum:,03/09/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/09/2015,08:30:38,0.067  
03/09/2015,08:45:38,0.069  
03/09/2015,09:00:38,0.073  
03/09/2015,09:15:38,0.077  
03/09/2015,09:30:38,0.080  
03/09/2015,09:45:38,0.082  
03/09/2015,10:00:38,0.083  
03/09/2015,10:15:38,0.082  
03/09/2015,10:30:38,0.082  
03/09/2015,10:45:38,0.082  
03/09/2015,11:00:38,0.080  
03/09/2015,11:15:38,0.077  
03/09/2015,11:30:38,0.074  
03/09/2015,11:45:38,0.072  
03/09/2015,12:00:38,0.070  
03/09/2015,12:15:38,0.055  
03/09/2015,12:30:38,0.051  
03/09/2015,12:45:38,0.053  
03/09/2015,13:00:38,0.050  
03/09/2015,13:15:38,0.039  
03/09/2015,13:30:38,0.032  
03/09/2015,13:45:38,0.029  
03/09/2015,14:00:38,0.029  
03/09/2015,14:15:38,0.027  
03/09/2015,14:30:38,0.026  
03/09/2015,14:45:38,0.026  
03/09/2015,15:00:38,0.027  
03/09/2015,15:15:38,0.029  
03/09/2015,15:30:38,0.038  
03/09/2015,15:45:38,0.045

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315

3-9-15 Upwind Dust.txt

Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,03/09/2015  
Start Time:,08:15:40  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.067  
,Minimum:,0.063  
,Time of Minimum:,08:19:40  
,Date of Minimum:,03/09/2015  
,Maximum:,0.093  
,Time of Maximum:,08:16:40  
,Date of Maximum:,03/09/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
03/09/2015,08:16:40,0.093  
03/09/2015,08:17:40,0.064  
03/09/2015,08:18:40,0.064  
03/09/2015,08:19:40,0.063  
03/09/2015,08:20:40,0.064  
03/09/2015,08:21:40,0.064  
03/09/2015,08:22:40,0.064  
03/09/2015,08:23:40,0.065  
03/09/2015,08:24:40,0.065  
03/09/2015,08:25:40,0.066  
03/09/2015,08:26:40,0.065  
03/09/2015,08:27:40,0.065  
03/09/2015,08:28:40,0.066  
03/09/2015,08:29:40,0.066  
03/09/2015,08:30:40,0.066

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,04/10/2015  
Start Time:,08:01:34  
Duration (dd:hh:mm:ss):,0:06:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,24  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.022  
,Minimum:,0.014  
,Time of Minimum:,13:01:34  
,Date of Minimum:,04/10/2015  
,Maximum:,0.027  
,Time of Maximum:,08:46:34  
,Date of Maximum:,04/10/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/10/2015,08:16:34,0.021  
04/10/2015,08:31:34,0.025  
04/10/2015,08:46:34,0.027  
04/10/2015,09:01:34,0.025  
04/10/2015,09:16:34,0.024  
04/10/2015,09:31:34,0.024  
04/10/2015,09:46:34,0.024  
04/10/2015,10:01:34,0.024  
04/10/2015,10:16:34,0.023  
04/10/2015,10:31:34,0.023  
04/10/2015,10:46:34,0.026  
04/10/2015,11:01:34,0.026  
04/10/2015,11:16:34,0.026  
04/10/2015,11:31:34,0.025  
04/10/2015,11:46:34,0.023  
04/10/2015,12:01:34,0.023  
04/10/2015,12:16:34,0.022  
04/10/2015,12:31:34,0.019  
04/10/2015,12:46:34,0.017  
04/10/2015,13:01:34,0.014  
04/10/2015,13:16:34,0.015  
04/10/2015,13:31:34,0.023  
04/10/2015,13:46:34,0.014  
04/10/2015,14:01:34,0.014

4-10-15 Downwind-1 VOC.txt

15/04/10 08:11

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 4/10/2015 08:11:14  
 End 4/10/2015 14:15:19  
 Sample Period(s) 900  
 Number of Records 24  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 21.738  
 High Alarm 43.476  
 Over Alarm 15000.000  
 STEL Alarm 18.902  
 TWA Alarm 18.902  
 Measurement Gas Isobutylene  
 Calibration Time 4/10/2015 07:31  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	4/10/2015 08:26:14	0.006	0.104
002	4/10/2015 08:41:14	0.006	0.035
003	4/10/2015 08:56:14	0.013	0.068
004	4/10/2015 09:11:14	0.010	0.018
005	4/10/2015 09:26:14	0.010	0.014
006	4/10/2015 09:41:14	0.016	0.038
007	4/10/2015 09:56:14	0.018	0.035
008	4/10/2015 10:11:14	0.024	0.053
009	4/10/2015 10:26:14	0.018	0.044
010	4/10/2015 10:41:14	0.019	0.061
011	4/10/2015 10:56:14	0.026	0.050
012	4/10/2015 11:11:14	0.032	0.047
013	4/10/2015 11:26:14	0.030	0.039
014	4/10/2015 11:41:14	0.037	0.060
015	4/10/2015 11:56:14	0.041	0.080
016	4/10/2015 12:11:14	0.044	0.058
017	4/10/2015 12:26:14	0.049	0.062
018	4/10/2015 12:41:14	0.054	0.066
019	4/10/2015 12:56:14	0.061	0.077
020	4/10/2015 13:11:14	0.071	0.119
021	4/10/2015 13:26:14	0.075	0.106

4-10-15 Downwind-1 VOC.txt

022	4/10/2015	13:41:14	0.084	0.160
023	4/10/2015	13:56:14	0.067	0.092
024	4/10/2015	14:11:14	0.066	0.101
Peak			0.084	0.160
Min			0.006	0.014
Average			0.037	0.066

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,04/10/2015  
Start Time:,08:02:40  
Duration (dd:hh:mm:ss):,0:06:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,24  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.021  
,Minimum:,0.013  
,Time of Minimum:,13:17:40  
,Date of Minimum:,04/10/2015  
,Maximum:,0.026  
,Time of Maximum:,11:02:40  
,Date of Maximum:,04/10/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/10/2015,08:17:40,0.022  
04/10/2015,08:32:40,0.023  
04/10/2015,08:47:40,0.025  
04/10/2015,09:02:40,0.022  
04/10/2015,09:17:40,0.022  
04/10/2015,09:32:40,0.023  
04/10/2015,09:47:40,0.023  
04/10/2015,10:02:40,0.022  
04/10/2015,10:17:40,0.020  
04/10/2015,10:32:40,0.022  
04/10/2015,10:47:40,0.024  
04/10/2015,11:02:40,0.026  
04/10/2015,11:17:40,0.025  
04/10/2015,11:32:40,0.025  
04/10/2015,11:47:40,0.024  
04/10/2015,12:02:40,0.023  
04/10/2015,12:17:40,0.022  
04/10/2015,12:32:40,0.020  
04/10/2015,12:47:40,0.018  
04/10/2015,13:02:40,0.016  
04/10/2015,13:17:40,0.013  
04/10/2015,13:32:40,0.017  
04/10/2015,13:47:40,0.015  
04/10/2015,14:02:40,0.015

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_A  
Start Date:,04/10/2015  
Start Time:,08:02:41  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00



Number of points:,15

Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.022  
,Minimum:,0.017  
,Time of Minimum:,08:09:41  
,Date of Minimum:,04/10/2015  
,Maximum:,0.064  
,Time of Maximum:,08:03:41  
,Date of Maximum:,04/10/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
04/10/2015,08:03:41,0.064  
04/10/2015,08:04:41,0.026  
04/10/2015,08:05:41,0.023  
04/10/2015,08:06:41,0.020  
04/10/2015,08:07:41,0.020  
04/10/2015,08:08:41,0.018  
04/10/2015,08:09:41,0.017  
04/10/2015,08:10:41,0.017  
04/10/2015,08:11:41,0.019  
04/10/2015,08:12:41,0.018  
04/10/2015,08:13:41,0.017  
04/10/2015,08:14:41,0.019  
04/10/2015,08:15:41,0.021  
04/10/2015,08:16:41,0.018  
04/10/2015,08:17:41,0.020

15/04/10 08:08

\*\*\*\*\*

## Summary

Unit Name MiniRAE 3000(PGM-7320)  
Unit SN 592-907523  
Unit Firmware Ver v1.10C

Running Mode Hygiene Mode  
Measure Type Avg; Max  
Datalog Mode Continuous  
Datalog Type Auto  
Diagnostic Mode No  
Stop Reason Power Down

Site ID RAE00000  
User ID 00000001

Begin 4/10/2015 08:08:08  
End 4/10/2015 14:16:25  
Sample Period(s) 900  
Number of Records 24

Sensor VOC(ppm)  
Span 100.000  
Span 2 N/A  
Low Alarm 50.000  
High Alarm 100.000  
Over Alarm 15000.000  
STEL Alarm 100.000  
TWA Alarm 10.869  
Measurement Gas Isobutylene  
Calibration Time 4/10/2015 07:30  
Peak N/A  
Min N/A  
Average N/A

\*\*\*\*\*

## Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	4/10/2015 08:23:08	0.023	0.370
002	4/10/2015 08:38:08	0.000	0.000
003	4/10/2015 08:53:08	0.025	1.227
004	4/10/2015 09:08:08	0.000	0.000
005	4/10/2015 09:23:08	0.000	0.000
006	4/10/2015 09:38:08	0.012	0.061
007	4/10/2015 09:53:08	0.026	0.078
008	4/10/2015 10:08:08	0.023	0.097
009	4/10/2015 10:23:08	0.000	0.000
010	4/10/2015 10:38:08	0.000	0.005
011	4/10/2015 10:53:08	0.000	0.000
012	4/10/2015 11:08:08	0.000	0.000
013	4/10/2015 11:23:08	0.000	0.000
014	4/10/2015 11:38:08	0.000	0.000
015	4/10/2015 11:53:08	0.000	0.000
016	4/10/2015 12:08:08	0.000	0.000
017	4/10/2015 12:23:08	0.000	0.000
018	4/10/2015 12:38:08	0.000	0.000
019	4/10/2015 12:53:08	0.000	0.000
020	4/10/2015 13:08:08	0.000	0.000
021	4/10/2015 13:23:08	0.000	0.000

4-10-15 Downwind-2 VOC.txt

022	4/10/2015	13:38:08	0.000	0.000
023	4/10/2015	13:53:08	0.000	0.000
024	4/10/2015	14:08:08	0.000	0.000
Peak		0.026	1.227	
Min		0.000	0.000	
Average		0.005	0.077	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530143315  
Test ID:.,004  
Test Abbreviation:.,MANUAL\_004  
Start Date:.,04/10/2015  
Start Time:.,08:11:08  
Duration (dd:hh:mm:ss):.,0:05:45:00  
Log Interval (mm:ss):.,15:00  
Number of points:.,23  
Notes:.,

Statistics,Channel:.,AEROSOL  
,Units:.,mg/m<sup>3</sup>  
,Average:.,0.016  
,Minimum:.,0.007  
,Time of Minimum:.,13:26:08  
,Date of Minimum:.,04/10/2015  
,Maximum:.,0.027  
,Time of Maximum:.,08:26:08  
,Date of Maximum:.,04/10/2015

Calibration,Sensor:.,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
04/10/2015,08:26:08,0.027  
04/10/2015,08:41:08,0.018  
04/10/2015,08:56:08,0.018  
04/10/2015,09:11:08,0.018  
04/10/2015,09:26:08,0.018  
04/10/2015,09:41:08,0.019  
04/10/2015,09:56:08,0.019  
04/10/2015,10:11:08,0.016  
04/10/2015,10:26:08,0.016  
04/10/2015,10:41:08,0.019  
04/10/2015,10:56:08,0.022  
04/10/2015,11:11:08,0.022  
04/10/2015,11:26:08,0.020  
04/10/2015,11:41:08,0.018  
04/10/2015,11:56:08,0.018  
04/10/2015,12:11:08,0.016  
04/10/2015,12:26:08,0.015  
04/10/2015,12:41:08,0.013  
04/10/2015,12:56:08,0.011  
04/10/2015,13:11:08,0.008  
04/10/2015,13:26:08,0.007  
04/10/2015,13:41:08,0.008  
04/10/2015,13:56:08,0.009

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530143315  
Test ID:.,004  
Test Abbreviation:.,MANUAL\_004\_A  
Start Date:.,04/10/2015  
Start Time:.,08:11:09  
Duration (dd:hh:mm:ss):.,0:00:15:00  
Log Interval (mm:ss):.,01:00  
Number of points:.,15

Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.027  
,Minimum:,0.018  
,Time of Minimum:,08:14:09  
,Date of Minimum:,04/10/2015  
,Maximum:,0.156  
,Time of Maximum:,08:12:09  
,Date of Maximum:,04/10/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/10/2015,08:12:09,0.156  
04/10/2015,08:13:09,0.019  
04/10/2015,08:14:09,0.018  
04/10/2015,08:15:09,0.018  
04/10/2015,08:16:09,0.018  
04/10/2015,08:17:09,0.018  
04/10/2015,08:18:09,0.018  
04/10/2015,08:19:09,0.018  
04/10/2015,08:20:09,0.018  
04/10/2015,08:21:09,0.018  
04/10/2015,08:22:09,0.018  
04/10/2015,08:23:09,0.019  
04/10/2015,08:24:09,0.018  
04/10/2015,08:25:09,0.018  
04/10/2015,08:26:09,0.018

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,04/13/2015  
Start Time:,07:54:39  
Duration (dd:hh:mm:ss):,0:08:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,32  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.027  
,Minimum:,0.019  
,Time of Minimum:,13:24:39  
,Date of Minimum:,04/13/2015  
,Maximum:,0.046  
,Time of Maximum:,09:39:39  
,Date of Maximum:,04/13/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
04/13/2015,08:09:39,0.027  
04/13/2015,08:24:39,0.027  
04/13/2015,08:39:39,0.032  
04/13/2015,08:54:39,0.028  
04/13/2015,09:09:39,0.042  
04/13/2015,09:24:39,0.038  
04/13/2015,09:39:39,0.046  
04/13/2015,09:54:39,0.037  
04/13/2015,10:09:39,0.034  
04/13/2015,10:24:39,0.029  
04/13/2015,10:39:39,0.033  
04/13/2015,10:54:39,0.028  
04/13/2015,11:09:39,0.028  
04/13/2015,11:24:39,0.030  
04/13/2015,11:39:39,0.028  
04/13/2015,11:54:39,0.029  
04/13/2015,12:09:39,0.025  
04/13/2015,12:24:39,0.023  
04/13/2015,12:39:39,0.022  
04/13/2015,12:54:39,0.020  
04/13/2015,13:09:39,0.021  
04/13/2015,13:24:39,0.019  
04/13/2015,13:39:39,0.021  
04/13/2015,13:54:39,0.023  
04/13/2015,14:09:39,0.020  
04/13/2015,14:24:39,0.023  
04/13/2015,14:39:39,0.022  
04/13/2015,14:54:39,0.024  
04/13/2015,15:09:39,0.025  
04/13/2015,15:24:39,0.024  
04/13/2015,15:39:39,0.022  
04/13/2015,15:54:39,0.024

Model:,DustTrak II

4-13-15 Downwind-1 Dust.txt

Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,04/13/2015  
Start Time:,09:54:07  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.034  
,Minimum:,0.024  
,Time of Minimum:,10:00:07  
,Date of Minimum:,04/13/2015  
,Maximum:,0.044  
,Time of Maximum:,09:55:07  
,Date of Maximum:,04/13/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/13/2015,09:55:07,0.044  
04/13/2015,09:56:07,0.037  
04/13/2015,09:57:07,0.036  
04/13/2015,09:58:07,0.034  
04/13/2015,09:59:07,0.028  
04/13/2015,10:00:07,0.024  
04/13/2015,10:01:07,0.030  
04/13/2015,10:02:07,0.041  
04/13/2015,10:03:07,0.035  
04/13/2015,10:04:07,0.042  
04/13/2015,10:05:07,0.034  
04/13/2015,10:06:07,0.038  
04/13/2015,10:07:07,0.032  
04/13/2015,10:08:07,0.030  
04/13/2015,10:09:07,0.029

15/04/13 08:04

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 4/13/2015 08:04:59  
 End 4/13/2015 16:05:41  
 Sample Period(s) 900  
 Number of Records 32  
 -----

Sensor VOC(ppm)  
 Span 43.476  
 Span 2 N/A  
 Low Alarm 9.451  
 High Alarm 18.902  
 Over Alarm 15000.000  
 STEL Alarm 8.218  
 TWA Alarm 8.218  
 Measurement Gas Isobutylene  
 Calibration Time 4/13/2015 07:45  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	4/13/2015 08:19:59	0.010	0.405
002	4/13/2015 08:34:59	0.000	0.000
003	4/13/2015 08:49:59	0.000	0.000
004	4/13/2015 09:04:59	0.000	0.000
005	4/13/2015 09:19:59	0.000	0.000
006	4/13/2015 09:34:59	0.000	0.000
007	4/13/2015 09:49:59	0.000	0.028
008	4/13/2015 10:04:59	0.000	0.000
009	4/13/2015 10:19:59	0.000	0.000
010	4/13/2015 10:34:59	0.000	0.000
011	4/13/2015 10:49:59	0.002	0.065
012	4/13/2015 11:04:59	0.000	0.000
013	4/13/2015 11:19:59	0.000	0.000
014	4/13/2015 11:34:59	0.000	0.000
015	4/13/2015 11:49:59	0.000	0.011
016	4/13/2015 12:04:59	0.007	0.235
017	4/13/2015 12:19:59	0.000	0.002
018	4/13/2015 12:34:59	0.018	0.063
019	4/13/2015 12:49:59	0.063	0.090
020	4/13/2015 13:04:59	0.092	0.137
021	4/13/2015 13:19:59	0.088	0.139



4-13-15 Downwind-1 VOC.prs.txt

022	4/13/2015	13:34:59	0.026	0.075
023	4/13/2015	13:49:59	0.007	0.073
024	4/13/2015	14:04:59	0.005	0.087
025	4/13/2015	14:19:59	0.000	0.042
026	4/13/2015	14:34:59	0.002	0.073
027	4/13/2015	14:49:59	0.001	0.047
028	4/13/2015	15:04:59	0.000	0.000
029	4/13/2015	15:19:59	0.000	0.000
030	4/13/2015	15:34:59	0.000	0.000
031	4/13/2015	15:49:59	0.000	0.000
032	4/13/2015	16:04:59	0.000	0.035
Peak		0.092	0.405	
Min		0.000	0.000	
Average		0.010	0.050	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,04/13/2015  
Start Time:,07:54:01  
Duration (dd:hh:mm:ss):,0:08:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,32  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.024  
,Minimum:,0.018  
,Time of Minimum:,12:54:01  
,Date of Minimum:,04/13/2015  
,Maximum:,0.049  
,Time of Maximum:,09:24:01  
,Date of Maximum:,04/13/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/13/2015,08:09:01,0.024  
04/13/2015,08:24:01,0.023  
04/13/2015,08:39:01,0.027  
04/13/2015,08:54:01,0.026  
04/13/2015,09:09:01,0.036  
04/13/2015,09:24:01,0.049  
04/13/2015,09:39:01,0.032  
04/13/2015,09:54:01,0.025  
04/13/2015,10:09:01,0.023  
04/13/2015,10:24:01,0.022  
04/13/2015,10:39:01,0.026  
04/13/2015,10:54:01,0.025  
04/13/2015,11:09:01,0.022  
04/13/2015,11:24:01,0.023  
04/13/2015,11:39:01,0.024  
04/13/2015,11:54:01,0.023  
04/13/2015,12:09:01,0.022  
04/13/2015,12:24:01,0.023  
04/13/2015,12:39:01,0.020  
04/13/2015,12:54:01,0.018  
04/13/2015,13:09:01,0.020  
04/13/2015,13:24:01,0.019  
04/13/2015,13:39:01,0.019  
04/13/2015,13:54:01,0.019  
04/13/2015,14:09:01,0.018  
04/13/2015,14:24:01,0.021  
04/13/2015,14:39:01,0.022  
04/13/2015,14:54:01,0.021  
04/13/2015,15:09:01,0.024  
04/13/2015,15:24:01,0.023  
04/13/2015,15:39:01,0.022  
04/13/2015,15:54:01,0.025

Model:,DustTrak II

Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,04/13/2015  
Start Time:,07:54:02  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.024  
,Minimum:,0.021  
,Time of Minimum:,07:59:02  
,Date of Minimum:,04/13/2015  
,Maximum:,0.038  
,Time of Maximum:,07:55:02  
,Date of Maximum:,04/13/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/13/2015,07:55:02,0.038  
04/13/2015,07:56:02,0.023  
04/13/2015,07:57:02,0.023  
04/13/2015,07:58:02,0.022  
04/13/2015,07:59:02,0.021  
04/13/2015,08:00:02,0.022  
04/13/2015,08:01:02,0.022  
04/13/2015,08:02:02,0.022  
04/13/2015,08:03:02,0.022  
04/13/2015,08:04:02,0.022  
04/13/2015,08:05:02,0.023  
04/13/2015,08:06:02,0.023  
04/13/2015,08:07:02,0.022  
04/13/2015,08:08:02,0.024  
04/13/2015,08:09:02,0.023

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_B  
Start Date:,04/13/2015  
Start Time:,09:08:32  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.054  
,Minimum:,0.021  
,Time of Minimum:,09:18:32  
,Date of Minimum:,04/13/2015  
,Maximum:,0.197  
,Time of Maximum:,09:09:32  
,Date of Maximum:,04/13/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/13/2015,09:09:32,0.197  
04/13/2015,09:10:32,0.180  
04/13/2015,09:11:32,0.102  
04/13/2015,09:12:32,0.043  
04/13/2015,09:13:32,0.042  
04/13/2015,09:14:32,0.031  
04/13/2015,09:15:32,0.026  
04/13/2015,09:16:32,0.023  
04/13/2015,09:17:32,0.022  
04/13/2015,09:18:32,0.021  
04/13/2015,09:19:32,0.027  
04/13/2015,09:20:32,0.029  
04/13/2015,09:21:32,0.026  
04/13/2015,09:22:32,0.024  
04/13/2015,09:23:32,0.023

15/04/13 08:00

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 4/13/2015 08:00:10  
 End 4/13/2015 16:09:32  
 Sample Period(s) 900  
 Number of Records 32  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 50.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 100.000  
 TWA Alarm 10.869  
 Measurement Gas Isobutylene  
 Calibration Time 4/13/2015 07:42  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	4/13/2015 08:15:10	0.019	0.307
002	4/13/2015 08:30:10	0.000	0.007
003	4/13/2015 08:45:10	0.002	0.017
004	4/13/2015 09:00:10	0.040	0.076
005	4/13/2015 09:15:10	0.075	0.125
006	4/13/2015 09:30:10	0.059	0.147
007	4/13/2015 09:45:10	0.016	0.037
008	4/13/2015 10:00:10	0.011	0.025
009	4/13/2015 10:15:10	0.002	0.010
010	4/13/2015 10:30:10	0.004	0.021
011	4/13/2015 10:45:10	0.044	0.066
012	4/13/2015 11:00:10	0.096	0.150
013	4/13/2015 11:15:10	0.135	0.147
014	4/13/2015 11:30:10	0.123	0.141
015	4/13/2015 11:45:10	0.120	0.148
016	4/13/2015 12:00:10	0.124	0.191
017	4/13/2015 12:15:10	0.139	0.197
018	4/13/2015 12:30:10	0.150	0.165
019	4/13/2015 12:45:10	0.159	0.173
020	4/13/2015 13:00:10	0.179	0.187
021	4/13/2015 13:15:10	0.174	0.185

4-13-15 Downwind-2 VOC.prs.txt

022	4/13/2015	13:30:10	0.162	0.188
023	4/13/2015	13:45:10	0.131	0.145
024	4/13/2015	14:00:10	0.126	0.139
025	4/13/2015	14:15:10	0.134	0.144
026	4/13/2015	14:30:10	0.127	0.146
027	4/13/2015	14:45:10	0.111	0.127
028	4/13/2015	15:00:10	0.101	0.110
029	4/13/2015	15:15:10	0.089	0.104
030	4/13/2015	15:30:10	0.088	0.107
031	4/13/2015	15:45:10	0.108	0.124
032	4/13/2015	16:00:10	0.133	0.150
Peak			0.179	0.307
Min			0.000	0.007
Average			0.093	0.125

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,04/13/2015  
Start Time:,08:05:40  
Duration (dd:hh:mm:ss):,0:08:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,32  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.019  
,Minimum:,0.016  
,Time of Minimum:,13:05:40  
,Date of Minimum:,04/13/2015  
,Maximum:,0.028  
,Time of Maximum:,08:20:40  
,Date of Maximum:,04/13/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/13/2015,08:20:40,0.028  
04/13/2015,08:35:40,0.024  
04/13/2015,08:50:40,0.021  
04/13/2015,09:05:40,0.020  
04/13/2015,09:20:40,0.020  
04/13/2015,09:35:40,0.020  
04/13/2015,09:50:40,0.021  
04/13/2015,10:05:40,0.021  
04/13/2015,10:20:40,0.020  
04/13/2015,10:35:40,0.019  
04/13/2015,10:50:40,0.018  
04/13/2015,11:05:40,0.019  
04/13/2015,11:20:40,0.019  
04/13/2015,11:35:40,0.019  
04/13/2015,11:50:40,0.019  
04/13/2015,12:05:40,0.019  
04/13/2015,12:20:40,0.018  
04/13/2015,12:35:40,0.018  
04/13/2015,12:50:40,0.017  
04/13/2015,13:05:40,0.016  
04/13/2015,13:20:40,0.016  
04/13/2015,13:35:40,0.016  
04/13/2015,13:50:40,0.016  
04/13/2015,14:05:40,0.017  
04/13/2015,14:20:40,0.018  
04/13/2015,14:35:40,0.018  
04/13/2015,14:50:40,0.018  
04/13/2015,15:05:40,0.018  
04/13/2015,15:20:40,0.023  
04/13/2015,15:35:40,0.019  
04/13/2015,15:50:40,0.020  
04/13/2015,16:05:40,0.020

Model:,DustTrak II

4-13-15 Upwind Dust.txt

Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,04/13/2015  
Start Time:,08:05:43  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.028  
,Minimum:,0.024  
,Time of Minimum:,08:10:43  
,Date of Minimum:,04/13/2015  
,Maximum:,0.037  
,Time of Maximum:,08:08:43  
,Date of Maximum:,04/13/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/13/2015,08:06:43,0.030  
04/13/2015,08:07:43,0.033  
04/13/2015,08:08:43,0.037  
04/13/2015,08:09:43,0.032  
04/13/2015,08:10:43,0.024  
04/13/2015,08:11:43,0.024  
04/13/2015,08:12:43,0.027  
04/13/2015,08:13:43,0.032  
04/13/2015,08:14:43,0.029  
04/13/2015,08:15:43,0.027  
04/13/2015,08:16:43,0.027  
04/13/2015,08:17:43,0.025  
04/13/2015,08:18:43,0.025  
04/13/2015,08:19:43,0.024  
04/13/2015,08:20:43,0.024



TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,04/14/2015  
Start Time:,08:01:12  
Duration (dd:hh:mm:ss):,0:05:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,20  
Notes:,ERROR: FLOW,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.008  
,Minimum:,0.005  
,Time of Minimum:,11:16:12  
,Date of Minimum:,04/14/2015  
,Maximum:,0.018  
,Time of Maximum:,08:16:12  
,Date of Maximum:,04/14/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/14/2015,08:16:12,0.018  
04/14/2015,08:31:12,0.010  
04/14/2015,08:46:12,0.010  
04/14/2015,09:01:12,0.009  
04/14/2015,09:16:12,0.007  
04/14/2015,09:31:12,0.006  
04/14/2015,09:46:12,0.006  
04/14/2015,10:01:12,0.007  
04/14/2015,10:16:12,0.009  
04/14/2015,10:31:12,0.011  
04/14/2015,10:46:12,0.007  
04/14/2015,11:01:12,0.006  
04/14/2015,11:16:12,0.005  
04/14/2015,11:31:12,0.005  
04/14/2015,11:46:12,0.006  
04/14/2015,12:01:12,0.005  
04/14/2015,12:16:12,0.006  
04/14/2015,12:31:12,0.006  
04/14/2015,12:46:12,0.006  
04/14/2015,13:01:12,0.006

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,04/14/2015  
Start Time:,13:07:09  
Duration (dd:hh:mm:ss):,0:02:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,11  
Notes:,

Statistics,Channel:,AEROSOL

,Units:,mg/m<sup>3</sup>  
,Average:,0.027  
,Minimum:,0.012  
,Time of Minimum:,13:37:09  
,Date of Minimum:,04/14/2015  
,Maximum:,0.055  
,Time of Maximum:,14:52:09  
,Date of Maximum:,04/14/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/14/2015,13:22:09,0.014  
04/14/2015,13:37:09,0.012  
04/14/2015,13:52:09,0.013  
04/14/2015,14:07:09,0.053  
04/14/2015,14:22:09,0.033  
04/14/2015,14:37:09,0.023  
04/14/2015,14:52:09,0.055  
04/14/2015,15:07:09,0.032  
04/14/2015,15:22:09,0.025  
04/14/2015,15:37:09,0.017  
04/14/2015,15:52:09,0.024

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_A  
Start Date:,04/14/2015  
Start Time:,14:04:23  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.067  
,Minimum:,0.012  
,Time of Minimum:,14:18:23  
,Date of Minimum:,04/14/2015  
,Maximum:,0.243  
,Time of Maximum:,14:06:23  
,Date of Maximum:,04/14/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/14/2015,14:05:23,0.194  
04/14/2015,14:06:23,0.243  
04/14/2015,14:07:23,0.174  
04/14/2015,14:08:23,0.027  
04/14/2015,14:09:23,0.031  
04/14/2015,14:10:23,0.018  
04/14/2015,14:11:23,0.030  
04/14/2015,14:12:23,0.063  
04/14/2015,14:13:23,0.106  
04/14/2015,14:14:23,0.046

4-14-15 Downwind-1 Dust.txt

04/14/2015,14:15:23,0.016  
04/14/2015,14:16:23,0.018  
04/14/2015,14:17:23,0.016  
04/14/2015,14:18:23,0.012  
04/14/2015,14:19:23,0.018

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_B  
Start Date:,04/14/2015  
Start Time:,14:38:36  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.051  
,Minimum:,0.004  
,Time of Minimum:,14:42:36  
,Date of Minimum:,04/14/2015  
,Maximum:,0.167  
,Time of Maximum:,14:48:36  
,Date of Maximum:,04/14/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/14/2015,14:39:36,0.079  
04/14/2015,14:40:36,0.025  
04/14/2015,14:41:36,0.012  
04/14/2015,14:42:36,0.004  
04/14/2015,14:43:36,0.019  
04/14/2015,14:44:36,0.027  
04/14/2015,14:45:36,0.076  
04/14/2015,14:46:36,0.066  
04/14/2015,14:47:36,0.098  
04/14/2015,14:48:36,0.167  
04/14/2015,14:49:36,0.128  
04/14/2015,14:50:36,0.037  
04/14/2015,14:51:36,0.013  
04/14/2015,14:52:36,0.011  
04/14/2015,14:53:36,0.007

15/04/14 08:11

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 4/14/2015 08:11:27  
 End 4/14/2015 13:13:25  
 Sample Period(s) 900  
 Number of Records 20  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 9.451  
 High Alarm 18.902  
 Over Alarm 15000.000  
 STEL Alarm 8.218  
 TWA Alarm 8.218  
 Measurement Gas Isobutylene  
 Calibration Time 4/14/2015 07:46  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	4/14/2015 08:26:27	0.006	0.239
002	4/14/2015 08:41:27	0.000	0.000
003	4/14/2015 08:56:27	0.000	0.000
004	4/14/2015 09:11:27	0.000	0.000
005	4/14/2015 09:26:27	0.000	0.000
006	4/14/2015 09:41:27	0.000	0.000
007	4/14/2015 09:56:27	0.000	0.000
008	4/14/2015 10:11:27	0.000	0.000
009	4/14/2015 10:26:27	0.000	0.000
010	4/14/2015 10:41:27	0.000	0.000
011	4/14/2015 10:56:27	0.000	0.000
012	4/14/2015 11:11:27	0.000	0.000
013	4/14/2015 11:26:27	0.000	0.000
014	4/14/2015 11:41:27	0.000	0.000
015	4/14/2015 11:56:27	0.058	0.395
016	4/14/2015 12:11:27	0.278	0.296
017	4/14/2015 12:26:27	0.249	0.266
018	4/14/2015 12:41:27	0.244	0.258
019	4/14/2015 12:56:27	0.251	0.266
020	4/14/2015 13:11:27	0.252	0.291
Peak		0.278 0.395	

4-14-15 Downwind-1 VOC.prs.txt  
Min 0.000 0.000  
Average 0.067 0.101

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,04/14/2015  
Start Time:,08:02:13  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.019  
,Minimum:,0.006  
,Time of Minimum:,12:47:13  
,Date of Minimum:,04/14/2015  
,Maximum:,0.092  
,Time of Maximum:,14:17:13  
,Date of Maximum:,04/14/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/14/2015,08:17:13,0.020  
04/14/2015,08:32:13,0.016  
04/14/2015,08:47:13,0.013  
04/14/2015,09:02:13,0.011  
04/14/2015,09:17:13,0.012  
04/14/2015,09:32:13,0.010  
04/14/2015,09:47:13,0.009  
04/14/2015,10:02:13,0.019  
04/14/2015,10:17:13,0.012  
04/14/2015,10:32:13,0.016  
04/14/2015,10:47:13,0.013  
04/14/2015,11:02:13,0.011  
04/14/2015,11:17:13,0.008  
04/14/2015,11:32:13,0.007  
04/14/2015,11:47:13,0.017  
04/14/2015,12:02:13,0.011  
04/14/2015,12:17:13,0.014  
04/14/2015,12:32:13,0.021  
04/14/2015,12:47:13,0.006  
04/14/2015,13:02:13,0.007  
04/14/2015,13:17:13,0.010  
04/14/2015,13:32:13,0.008  
04/14/2015,13:47:13,0.007  
04/14/2015,14:02:13,0.012  
04/14/2015,14:17:13,0.092  
04/14/2015,14:32:13,0.054  
04/14/2015,14:47:13,0.032  
04/14/2015,15:02:13,0.058  
04/14/2015,15:17:13,0.050  
04/14/2015,15:32:13,0.019  
04/14/2015,15:47:13,0.009

Model:,DustTrak II  
Model Number:,8530

Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_A  
Start Date:,04/14/2015  
Start Time:,08:02:14  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.020  
,Minimum:,0.009  
,Time of Minimum:,08:07:14  
,Date of Minimum:,04/14/2015  
,Maximum:,0.070  
,Time of Maximum:,08:03:14  
,Date of Maximum:,04/14/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/14/2015,08:03:14,0.070  
04/14/2015,08:04:14,0.010  
04/14/2015,08:05:14,0.013  
04/14/2015,08:06:14,0.016  
04/14/2015,08:07:14,0.009  
04/14/2015,08:08:14,0.030  
04/14/2015,08:09:14,0.022  
04/14/2015,08:10:14,0.013  
04/14/2015,08:11:14,0.016  
04/14/2015,08:12:14,0.021  
04/14/2015,08:13:14,0.017  
04/14/2015,08:14:14,0.018  
04/14/2015,08:15:14,0.014  
04/14/2015,08:16:14,0.016  
04/14/2015,08:17:14,0.016

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_B  
Start Date:,04/14/2015  
Start Time:,10:01:03  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.014  
,Minimum:,0.008  
,Time of Minimum:,10:13:03  
,Date of Minimum:,04/14/2015  
,Maximum:,0.039  
,Time of Maximum:,10:02:03  
,Date of Maximum:,04/14/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m^3  
04/14/2015,10:02:03,0.039  
04/14/2015,10:03:03,0.013  
04/14/2015,10:04:03,0.013  
04/14/2015,10:05:03,0.009  
04/14/2015,10:06:03,0.013  
04/14/2015,10:07:03,0.012  
04/14/2015,10:08:03,0.013  
04/14/2015,10:09:03,0.011  
04/14/2015,10:10:03,0.010  
04/14/2015,10:11:03,0.012  
04/14/2015,10:12:03,0.011  
04/14/2015,10:13:03,0.008  
04/14/2015,10:14:03,0.010  
04/14/2015,10:15:03,0.010  
04/14/2015,10:16:03,0.022

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530122515  
Test ID: ,002  
Test Abbreviation: ,MANUAL\_002\_C  
Start Date: ,04/14/2015  
Start Time: ,12:16:34  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m^3  
,Average: ,0.023  
,Minimum: ,0.005  
,Time of Minimum: ,12:31:34  
,Date of Minimum: ,04/14/2015  
,Maximum: ,0.074  
,Time of Maximum: ,12:26:34  
,Date of Maximum: ,04/14/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m^3  
04/14/2015,12:17:34,0.066  
04/14/2015,12:18:34,0.029  
04/14/2015,12:19:34,0.010  
04/14/2015,12:20:34,0.038  
04/14/2015,12:21:34,0.015  
04/14/2015,12:22:34,0.006  
04/14/2015,12:23:34,0.010  
04/14/2015,12:24:34,0.011  
04/14/2015,12:25:34,0.020  
04/14/2015,12:26:34,0.074  
04/14/2015,12:27:34,0.033  
04/14/2015,12:28:34,0.007  
04/14/2015,12:29:34,0.016  
04/14/2015,12:30:34,0.009  
04/14/2015,12:31:34,0.005



Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530122515  
Test ID: ,002  
Test Abbreviation: ,MANUAL\_002\_D  
Start Date: ,04/14/2015  
Start Time: ,14:07:16  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.092  
,Minimum: ,0.007  
,Time of Minimum: ,14:14:16  
,Date of Minimum: ,04/14/2015  
,Maximum: ,0.449  
,Time of Maximum: ,14:08:16  
,Date of Maximum: ,04/14/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/14/2015,14:08:16,0.449  
04/14/2015,14:09:16,0.292  
04/14/2015,14:10:16,0.120  
04/14/2015,14:11:16,0.028  
04/14/2015,14:12:16,0.012  
04/14/2015,14:13:16,0.014  
04/14/2015,14:14:16,0.007  
04/14/2015,14:15:16,0.060  
04/14/2015,14:16:16,0.206  
04/14/2015,14:17:16,0.105  
04/14/2015,14:18:16,0.034  
04/14/2015,14:19:16,0.017  
04/14/2015,14:20:16,0.016  
04/14/2015,14:21:16,0.013  
04/14/2015,14:22:16,0.009

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530122515  
Test ID: ,002  
Test Abbreviation: ,MANUAL\_002\_E  
Start Date: ,04/14/2015  
Start Time: ,14:26:25  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.054  
,Minimum: ,0.008  
,Time of Minimum: ,14:35:25  
,Date of Minimum: ,04/14/2015  
,Maximum: ,0.350

,Time of Maximum:,14:27:25  
,Date of Maximum:,04/14/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/14/2015,14:27:25,0.350  
04/14/2015,14:28:25,0.100  
04/14/2015,14:29:25,0.027  
04/14/2015,14:30:25,0.011  
04/14/2015,14:31:25,0.048  
04/14/2015,14:32:25,0.031  
04/14/2015,14:33:25,0.059  
04/14/2015,14:34:25,0.022  
04/14/2015,14:35:25,0.008  
04/14/2015,14:36:25,0.011  
04/14/2015,14:37:25,0.008  
04/14/2015,14:38:25,0.015  
04/14/2015,14:39:25,0.020  
04/14/2015,14:40:25,0.023  
04/14/2015,14:41:25,0.070

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_F  
Start Date:,04/14/2015  
Start Time:,14:41:48  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.067  
,Minimum:,0.012  
,Time of Minimum:,14:45:48  
,Date of Minimum:,04/14/2015  
,Maximum:,0.148  
,Time of Maximum:,14:51:48  
,Date of Maximum:,04/14/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/14/2015,14:42:48,0.117  
04/14/2015,14:43:48,0.037  
04/14/2015,14:44:48,0.017  
04/14/2015,14:45:48,0.012  
04/14/2015,14:46:48,0.013  
04/14/2015,14:47:48,0.047  
04/14/2015,14:48:48,0.112  
04/14/2015,14:49:48,0.120  
04/14/2015,14:50:48,0.135  
04/14/2015,14:51:48,0.148  
04/14/2015,14:52:48,0.113  
04/14/2015,14:53:48,0.086

04/14/2015,14:54:48,0.019  
04/14/2015,14:55:48,0.020  
04/14/2015,14:56:48,0.012

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530122515  
Test ID: ,002  
Test Abbreviation: ,MANUAL\_002\_G  
Start Date: ,04/14/2015  
Start Time: ,15:04:36  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.050  
,Minimum: ,0.008  
,Time of Minimum: ,15:15:36  
,Date of Minimum: ,04/14/2015  
,Maximum: ,0.138  
,Time of Maximum: ,15:05:36  
,Date of Maximum: ,04/14/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/14/2015,15:05:36,0.138  
04/14/2015,15:06:36,0.133  
04/14/2015,15:07:36,0.070  
04/14/2015,15:08:36,0.063  
04/14/2015,15:09:36,0.073  
04/14/2015,15:10:36,0.041  
04/14/2015,15:11:36,0.072  
04/14/2015,15:12:36,0.058  
04/14/2015,15:13:36,0.035  
04/14/2015,15:14:36,0.020  
04/14/2015,15:15:36,0.008  
04/14/2015,15:16:36,0.009  
04/14/2015,15:17:36,0.008  
04/14/2015,15:18:36,0.014  
04/14/2015,15:19:36,0.011

15/04/14 08:08

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 4/14/2015 08:08:21  
 End 4/14/2015 16:06:05  
 Sample Period(s) 900  
 Number of Records 31  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 50.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 100.000  
 TWA Alarm 10.869  
 Measurement Gas Isobutylene  
 Calibration Time 4/14/2015 07:50  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	4/14/2015 08:23:21	0.015	0.280
002	4/14/2015 08:38:21	0.000	0.099
003	4/14/2015 08:53:21	0.000	0.000
004	4/14/2015 09:08:21	0.002	0.024
005	4/14/2015 09:23:21	0.016	0.030
006	4/14/2015 09:38:21	0.027	0.040
007	4/14/2015 09:53:21	0.031	0.045
008	4/14/2015 10:08:21	0.018	0.092
009	4/14/2015 10:23:21	0.028	0.045
010	4/14/2015 10:38:21	0.042	0.091
011	4/14/2015 10:53:21	0.032	0.055
012	4/14/2015 11:08:21	0.026	0.045
013	4/14/2015 11:23:21	0.021	0.042
014	4/14/2015 11:38:21	0.008	0.035
015	4/14/2015 11:53:21	0.014	0.079
016	4/14/2015 12:08:21	0.034	0.083
017	4/14/2015 12:23:21	0.042	0.078
018	4/14/2015 12:38:21	0.049	0.084
019	4/14/2015 12:53:21	0.047	0.075
020	4/14/2015 13:08:21	0.041	0.061
021	4/14/2015 13:23:21	0.055	0.091

4-14-15 Downwind-2 VOC.prs.txt

022	4/14/2015	13:38:21	0.058	0.099
023	4/14/2015	13:53:21	0.042	0.056
024	4/14/2015	14:08:21	0.030	0.052
025	4/14/2015	14:23:21	0.021	0.045
026	4/14/2015	14:38:21	0.034	0.053
027	4/14/2015	14:53:21	0.040	0.061
028	4/14/2015	15:08:21	0.043	0.073
029	4/14/2015	15:23:21	0.026	0.045
030	4/14/2015	15:38:21	0.015	0.033
031	4/14/2015	15:53:21	0.003	0.024
Peak			0.058	0.280
Min			0.000	0.000
Average			0.028	0.065

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,04/14/2015  
Start Time:,08:09:57  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.006  
,Minimum:,0.003  
,Time of Minimum:,11:39:57  
,Date of Minimum:,04/14/2015  
,Maximum:,0.032  
,Time of Maximum:,14:24:57  
,Date of Maximum:,04/14/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/14/2015,08:24:57,0.014  
04/14/2015,08:39:57,0.005  
04/14/2015,08:54:57,0.005  
04/14/2015,09:09:57,0.005  
04/14/2015,09:24:57,0.004  
04/14/2015,09:39:57,0.004  
04/14/2015,09:54:57,0.005  
04/14/2015,10:09:57,0.005  
04/14/2015,10:24:57,0.005  
04/14/2015,10:39:57,0.006  
04/14/2015,10:54:57,0.016  
04/14/2015,11:09:57,0.007  
04/14/2015,11:24:57,0.004  
04/14/2015,11:39:57,0.003  
04/14/2015,11:54:57,0.004  
04/14/2015,12:09:57,0.004  
04/14/2015,12:24:57,0.005  
04/14/2015,12:39:57,0.004  
04/14/2015,12:54:57,0.005  
04/14/2015,13:09:57,0.004  
04/14/2015,13:24:57,0.003  
04/14/2015,13:39:57,0.004  
04/14/2015,13:54:57,0.006  
04/14/2015,14:09:57,0.007  
04/14/2015,14:24:57,0.032  
04/14/2015,14:39:57,0.009  
04/14/2015,14:54:57,0.004  
04/14/2015,15:09:57,0.003  
04/14/2015,15:24:57,0.007  
04/14/2015,15:39:57,0.005

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315

4-14-15 Upwind Dust.txt

Test ID:,002  
Test Abbreviation:,MANUAL\_002\_A  
Start Date:,04/14/2015  
Start Time:,08:10:00  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.014  
,Minimum:,0.005  
,Time of Minimum:,08:25:00  
,Date of Minimum:,04/14/2015  
,Maximum:,0.089  
,Time of Maximum:,08:11:00  
,Date of Maximum:,04/14/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/14/2015,08:11:00,0.089  
04/14/2015,08:12:00,0.011  
04/14/2015,08:13:00,0.011  
04/14/2015,08:14:00,0.010  
04/14/2015,08:15:00,0.010  
04/14/2015,08:16:00,0.009  
04/14/2015,08:17:00,0.009  
04/14/2015,08:18:00,0.008  
04/14/2015,08:19:00,0.008  
04/14/2015,08:20:00,0.008  
04/14/2015,08:21:00,0.007  
04/14/2015,08:22:00,0.006  
04/14/2015,08:23:00,0.006  
04/14/2015,08:24:00,0.006  
04/14/2015,08:25:00,0.005

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_B  
Start Date:,04/14/2015  
Start Time:,10:50:45  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.014  
,Minimum:,0.004  
,Time of Minimum:,11:00:45  
,Date of Minimum:,04/14/2015  
,Maximum:,0.046  
,Time of Maximum:,10:55:45  
,Date of Maximum:,04/14/2015

Calibration,Sensor:,AEROSOL

,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
04/14/2015,10:51:45,0.045  
04/14/2015,10:52:45,0.007  
04/14/2015,10:53:45,0.020  
04/14/2015,10:54:45,0.039  
04/14/2015,10:55:45,0.046  
04/14/2015,10:56:45,0.006  
04/14/2015,10:57:45,0.012  
04/14/2015,10:58:45,0.011  
04/14/2015,10:59:45,0.005  
04/14/2015,11:00:45,0.004  
04/14/2015,11:01:45,0.004  
04/14/2015,11:02:45,0.004  
04/14/2015,11:03:45,0.005  
04/14/2015,11:04:45,0.005  
04/14/2015,11:05:45,0.004

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_C  
Start Date:,04/14/2015  
Start Time:,14:11:55  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.024  
,Minimum:,0.003  
,Time of Minimum:,14:18:55  
,Date of Minimum:,04/14/2015  
,Maximum:,0.092  
,Time of Maximum:,14:14:55  
,Date of Maximum:,04/14/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
04/14/2015,14:12:55,0.079  
04/14/2015,14:13:55,0.074  
04/14/2015,14:14:55,0.092  
04/14/2015,14:15:55,0.042  
04/14/2015,14:16:55,0.032  
04/14/2015,14:17:55,0.004  
04/14/2015,14:18:55,0.003  
04/14/2015,14:19:55,0.005  
04/14/2015,14:20:55,0.004  
04/14/2015,14:21:55,0.004  
04/14/2015,14:22:55,0.005  
04/14/2015,14:23:55,0.004  
04/14/2015,14:24:55,0.004  
04/14/2015,14:25:55,0.004  
04/14/2015,14:26:55,0.006



4-14-15 Upwind Dust.txt

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530143315  
Test ID: ,002  
Test Abbreviation: ,MANUAL\_002\_D  
Start Date: ,04/14/2015  
Start Time: ,15:24:34  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.006  
,Minimum: ,0.002  
,Time of Minimum: ,15:27:34  
,Date of Minimum: ,04/14/2015  
,Maximum: ,0.021  
,Time of Maximum: ,15:25:34  
,Date of Maximum: ,04/14/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/14/2015,15:25:34,0.021  
04/14/2015,15:26:34,0.003  
04/14/2015,15:27:34,0.002  
04/14/2015,15:28:34,0.002  
04/14/2015,15:29:34,0.002  
04/14/2015,15:30:34,0.002  
04/14/2015,15:31:34,0.002  
04/14/2015,15:32:34,0.002  
04/14/2015,15:33:34,0.004  
04/14/2015,15:34:34,0.005  
04/14/2015,15:35:34,0.003  
04/14/2015,15:36:34,0.003  
04/14/2015,15:37:34,0.005  
04/14/2015,15:38:34,0.014  
04/14/2015,15:39:34,0.017

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,04/15/2015  
Start Time:,07:58:24  
Duration (dd:hh:mm:ss):,0:08:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,32  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.008  
,Minimum:,-0.001  
,Time of Minimum:,14:58:24  
,Date of Minimum:,04/15/2015  
,Maximum:,0.048  
,Time of Maximum:,08:13:24  
,Date of Maximum:,04/15/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/15/2015,08:13:24,0.048  
04/15/2015,08:28:24,0.027  
04/15/2015,08:43:24,0.013  
04/15/2015,08:58:24,0.011  
04/15/2015,09:13:24,0.010  
04/15/2015,09:28:24,0.010  
04/15/2015,09:43:24,0.011  
04/15/2015,09:58:24,0.011  
04/15/2015,10:13:24,0.009  
04/15/2015,10:28:24,0.015  
04/15/2015,10:43:24,0.008  
04/15/2015,10:58:24,0.009  
04/15/2015,11:13:24,0.006  
04/15/2015,11:28:24,0.006  
04/15/2015,11:43:24,0.012  
04/15/2015,11:58:24,0.007  
04/15/2015,12:13:24,0.009  
04/15/2015,12:28:24,0.007  
04/15/2015,12:43:24,0.009  
04/15/2015,12:58:24,0.006  
04/15/2015,13:13:24,0.004  
04/15/2015,13:28:24,0.002  
04/15/2015,13:43:24,0.000  
04/15/2015,13:58:24,0.000  
04/15/2015,14:13:24,0.000  
04/15/2015,14:28:24,0.000  
04/15/2015,14:43:24,0.000  
04/15/2015,14:58:24,-0.001  
04/15/2015,15:13:24,0.000  
04/15/2015,15:28:24,0.002  
04/15/2015,15:43:24,0.000  
04/15/2015,15:58:24,0.000

Model:,DustTrak II

Model Number:,8530  
Serial Number:,8530141112  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_A  
Start Date:,04/15/2015  
Start Time:,11:40:27  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.011  
,Minimum:,0.003  
,Time of Minimum:,11:50:27  
,Date of Minimum:,04/15/2015  
,Maximum:,0.079  
,Time of Maximum:,11:41:27  
,Date of Maximum:,04/15/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/15/2015,11:41:27,0.079  
04/15/2015,11:42:27,0.005  
04/15/2015,11:43:27,0.004  
04/15/2015,11:44:27,0.005  
04/15/2015,11:45:27,0.005  
04/15/2015,11:46:27,0.005  
04/15/2015,11:47:27,0.010  
04/15/2015,11:48:27,0.009  
04/15/2015,11:49:27,0.004  
04/15/2015,11:50:27,0.003  
04/15/2015,11:51:27,0.003  
04/15/2015,11:52:27,0.005  
04/15/2015,11:53:27,0.008  
04/15/2015,11:54:27,0.007  
04/15/2015,11:55:27,0.007

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_B  
Start Date:,04/15/2015  
Start Time:,15:18:48  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.003  
,Minimum:,-0.001  
,Time of Minimum:,15:20:48  
,Date of Minimum:,04/15/2015  
,Maximum:,0.034  
,Time of Maximum:,15:19:48  
,Date of Maximum:,04/15/2015

4-15-15 Downwind-1 Dust.txt

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m^3  
04/15/2015,15:19:48,0.034  
04/15/2015,15:20:48,-0.001  
04/15/2015,15:21:48,0.000  
04/15/2015,15:22:48,-0.001  
04/15/2015,15:23:48,-0.001  
04/15/2015,15:24:48,0.003  
04/15/2015,15:25:48,0.007  
04/15/2015,15:26:48,0.006  
04/15/2015,15:27:48,0.000  
04/15/2015,15:28:48,0.001  
04/15/2015,15:29:48,0.002  
04/15/2015,15:30:48,0.000  
04/15/2015,15:31:48,0.000  
04/15/2015,15:32:48,0.000  
04/15/2015,15:33:48,0.000

15/04/15 08:09

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 4/15/2015 08:09:01  
 End 4/15/2015 16:13:36  
 Sample Period(s) 900  
 Number of Records 32  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 9.451  
 High Alarm 18.902  
 Over Alarm 15000.000  
 STEL Alarm 8.218  
 TWA Alarm 8.218  
 Measurement Gas Isobutylene  
 Calibration Time 4/15/2015 07:44  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	4/15/2015 08:24:01	0.036	0.106
002	4/15/2015 08:39:01	0.042	0.047
003	4/15/2015 08:54:01	0.040	0.049
004	4/15/2015 09:09:01	0.037	0.042
005	4/15/2015 09:24:01	0.036	0.062
006	4/15/2015 09:39:01	0.037	0.046
007	4/15/2015 09:54:01	0.039	0.051
008	4/15/2015 10:09:01	0.041	0.047
009	4/15/2015 10:24:01	0.038	0.048
010	4/15/2015 10:39:01	0.034	0.044
011	4/15/2015 10:54:01	0.035	0.039
012	4/15/2015 11:09:01	0.033	0.058
013	4/15/2015 11:24:01	0.027	0.032
014	4/15/2015 11:39:01	0.024	0.031
015	4/15/2015 11:54:01	0.023	0.062
016	4/15/2015 12:09:01	0.022	0.030
017	4/15/2015 12:24:01	0.027	0.072
018	4/15/2015 12:39:01	0.018	0.036
019	4/15/2015 12:54:01	0.018	0.039
020	4/15/2015 13:09:01	0.014	0.036
021	4/15/2015 13:24:01	0.012	0.040

4-15-15 Downwind-1 VOC.prs.txt

022	4/15/2015	13:39:01	0.018	0.037
023	4/15/2015	13:54:01	0.017	0.037
024	4/15/2015	14:09:01	0.018	0.025
025	4/15/2015	14:24:01	0.009	0.020
026	4/15/2015	14:39:01	0.014	0.028
027	4/15/2015	14:54:01	0.012	0.043
028	4/15/2015	15:09:01	0.001	0.021
029	4/15/2015	15:24:01	0.001	0.025
030	4/15/2015	15:39:01	0.001	0.029
031	4/15/2015	15:54:01	0.000	0.004
032	4/15/2015	16:09:01	0.000	0.000
Peak			0.042	0.106
Min			0.000	0.000
Average			0.023	0.040

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,04/15/2015  
Start Time:,07:57:14  
Duration (dd:hh:mm:ss):,0:08:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,32  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.006  
,Minimum:,0.000  
,Time of Minimum:,12:42:14  
,Date of Minimum:,04/15/2015  
,Maximum:,0.035  
,Time of Maximum:,08:12:14  
,Date of Maximum:,04/15/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/15/2015,08:12:14,0.035  
04/15/2015,08:27:14,0.027  
04/15/2015,08:42:14,0.032  
04/15/2015,08:57:14,0.016  
04/15/2015,09:12:14,0.009  
04/15/2015,09:27:14,0.012  
04/15/2015,09:42:14,0.009  
04/15/2015,09:57:14,0.008  
04/15/2015,10:12:14,0.007  
04/15/2015,10:27:14,0.004  
04/15/2015,10:42:14,0.004  
04/15/2015,10:57:14,0.004  
04/15/2015,11:12:14,0.003  
04/15/2015,11:27:14,0.003  
04/15/2015,11:42:14,0.003  
04/15/2015,11:57:14,0.003  
04/15/2015,12:12:14,0.004  
04/15/2015,12:27:14,0.004  
04/15/2015,12:42:14,0.000  
04/15/2015,12:57:14,0.002  
04/15/2015,13:12:14,0.000  
04/15/2015,13:27:14,0.001  
04/15/2015,13:42:14,0.001  
04/15/2015,13:57:14,0.000  
04/15/2015,14:12:14,0.000  
04/15/2015,14:27:14,0.000  
04/15/2015,14:42:14,0.000  
04/15/2015,14:57:14,0.000  
04/15/2015,15:12:14,0.003  
04/15/2015,15:27:14,0.002  
04/15/2015,15:42:14,0.001  
04/15/2015,15:57:14,0.001

Model:,DustTrak II

Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_A  
Start Date:,04/15/2015  
Start Time:,07:57:15  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.035  
,Minimum:,0.018  
,Time of Minimum:,08:04:15  
,Date of Minimum:,04/15/2015  
,Maximum:,0.051  
,Time of Maximum:,07:58:15  
,Date of Maximum:,04/15/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/15/2015,07:58:15,0.051  
04/15/2015,07:59:15,0.039  
04/15/2015,08:00:15,0.038  
04/15/2015,08:01:15,0.038  
04/15/2015,08:02:15,0.037  
04/15/2015,08:03:15,0.020  
04/15/2015,08:04:15,0.018  
04/15/2015,08:05:15,0.035  
04/15/2015,08:06:15,0.037  
04/15/2015,08:07:15,0.039  
04/15/2015,08:08:15,0.032  
04/15/2015,08:09:15,0.032  
04/15/2015,08:10:15,0.034  
04/15/2015,08:11:15,0.028  
04/15/2015,08:12:15,0.041

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_B  
Start Date:,04/15/2015  
Start Time:,08:27:42  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.031  
,Minimum:,0.010  
,Time of Minimum:,08:42:42  
,Date of Minimum:,04/15/2015  
,Maximum:,0.065  
,Time of Maximum:,08:40:42  
,Date of Maximum:,04/15/2015



4-15-15 Downwind-2 Dust.txt

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
04/15/2015,08:28:42,0.057  
04/15/2015,08:29:42,0.034  
04/15/2015,08:30:42,0.012  
04/15/2015,08:31:42,0.016  
04/15/2015,08:32:42,0.012  
04/15/2015,08:33:42,0.017  
04/15/2015,08:34:42,0.021  
04/15/2015,08:35:42,0.062  
04/15/2015,08:36:42,0.030  
04/15/2015,08:37:42,0.016  
04/15/2015,08:38:42,0.028  
04/15/2015,08:39:42,0.043  
04/15/2015,08:40:42,0.065  
04/15/2015,08:41:42,0.037  
04/15/2015,08:42:42,0.010

15/04/15 08:03

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 4/15/2015 08:03:40  
 End 4/15/2015 16:10:19  
 Sample Period(s) 900  
 Number of Records 32  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 50.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 100.000  
 TWA Alarm 10.869  
 Measurement Gas Isobutylene  
 Calibration Time 4/15/2015 07:44  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	4/15/2015 08:18:40	0.013	0.206
002	4/15/2015 08:33:40	0.000	0.000
003	4/15/2015 08:48:40	0.000	0.000
004	4/15/2015 09:03:40	0.000	0.000
005	4/15/2015 09:18:40	0.000	0.000
006	4/15/2015 09:33:40	0.000	0.000
007	4/15/2015 09:48:40	0.000	0.000
008	4/15/2015 10:03:40	0.000	0.000
009	4/15/2015 10:18:40	0.000	0.000
010	4/15/2015 10:33:40	0.000	0.000
011	4/15/2015 10:48:40	0.000	0.000
012	4/15/2015 11:03:40	0.000	0.000
013	4/15/2015 11:18:40	0.000	0.000
014	4/15/2015 11:33:40	0.000	0.000
015	4/15/2015 11:48:40	0.000	0.000
016	4/15/2015 12:03:40	0.000	0.000
017	4/15/2015 12:18:40	0.000	0.000
018	4/15/2015 12:33:40	0.000	0.000
019	4/15/2015 12:48:40	0.000	0.000
020	4/15/2015 13:03:40	0.000	0.000
021	4/15/2015 13:18:40	0.000	0.000

4-15-15 Downwind-2 VOC.prs.txt

022	4/15/2015	13:33:40	0.009	0.022
023	4/15/2015	13:48:40	0.015	0.026
024	4/15/2015	14:03:40	0.000	0.002
025	4/15/2015	14:18:40	0.000	0.000
026	4/15/2015	14:33:40	0.000	0.000
027	4/15/2015	14:48:40	0.000	0.000
028	4/15/2015	15:03:40	0.000	0.000
029	4/15/2015	15:18:40	0.000	0.000
030	4/15/2015	15:33:40	0.000	0.000
031	4/15/2015	15:48:40	0.000	0.000
032	4/15/2015	16:03:40	0.000	0.000
Peak		0.015	0.206	
Min		0.000	0.000	
Average		0.001	0.008	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,04/15/2015  
Start Time:,08:07:33  
Duration (dd:hh:mm:ss):,0:08:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,32  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.006  
,Minimum:,0.002  
,Time of Minimum:,14:37:33  
,Date of Minimum:,04/15/2015  
,Maximum:,0.020  
,Time of Maximum:,08:22:33  
,Date of Maximum:,04/15/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
04/15/2015,08:22:33,0.020  
04/15/2015,08:37:33,0.011  
04/15/2015,08:52:33,0.008  
04/15/2015,09:07:33,0.006  
04/15/2015,09:22:33,0.007  
04/15/2015,09:37:33,0.008  
04/15/2015,09:52:33,0.008  
04/15/2015,10:07:33,0.007  
04/15/2015,10:22:33,0.007  
04/15/2015,10:37:33,0.007  
04/15/2015,10:52:33,0.005  
04/15/2015,11:07:33,0.007  
04/15/2015,11:22:33,0.006  
04/15/2015,11:37:33,0.006  
04/15/2015,11:52:33,0.005  
04/15/2015,12:07:33,0.005  
04/15/2015,12:22:33,0.005  
04/15/2015,12:37:33,0.005  
04/15/2015,12:52:33,0.004  
04/15/2015,13:07:33,0.004  
04/15/2015,13:22:33,0.003  
04/15/2015,13:37:33,0.003  
04/15/2015,13:52:33,0.003  
04/15/2015,14:07:33,0.006  
04/15/2015,14:22:33,0.004  
04/15/2015,14:37:33,0.002  
04/15/2015,14:52:33,0.002  
04/15/2015,15:07:33,0.002  
04/15/2015,15:22:33,0.003  
04/15/2015,15:37:33,0.003  
04/15/2015,15:52:33,0.002  
04/15/2015,16:07:33,0.002

Model:,DustTrak II

4-15-15 Upwind Dust.txt

Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_A  
Start Date:,04/15/2015  
Start Time:,08:07:34  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.020  
,Minimum:,0.011  
,Time of Minimum:,08:20:34  
,Date of Minimum:,04/15/2015  
,Maximum:,0.070  
,Time of Maximum:,08:08:34  
,Date of Maximum:,04/15/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/15/2015,08:08:34,0.070  
04/15/2015,08:09:34,0.032  
04/15/2015,08:10:34,0.016  
04/15/2015,08:11:34,0.020  
04/15/2015,08:12:34,0.018  
04/15/2015,08:13:34,0.017  
04/15/2015,08:14:34,0.022  
04/15/2015,08:15:34,0.013  
04/15/2015,08:16:34,0.017  
04/15/2015,08:17:34,0.017  
04/15/2015,08:18:34,0.012  
04/15/2015,08:19:34,0.012  
04/15/2015,08:20:34,0.011  
04/15/2015,08:21:34,0.011  
04/15/2015,08:22:34,0.011

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,005  
Test Abbreviation:,MANUAL\_005  
Start Date:,04/16/2015  
Start Time:,08:04:37  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.008  
,Minimum:,0.000  
,Time of Minimum:,08:05:55  
,Date of Minimum:,04/16/2015  
,Maximum:,0.019  
,Time of Maximum:,08:34:37  
,Date of Maximum:,04/16/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/16/2015,08:05:55,0.000  
04/16/2015,08:19:37,0.016  
04/16/2015,08:34:37,0.019  
04/16/2015,08:49:37,0.014  
04/16/2015,09:04:37,0.017  
04/16/2015,09:19:37,0.016  
04/16/2015,09:34:37,0.015  
04/16/2015,09:49:37,0.015  
04/16/2015,10:04:37,0.012  
04/16/2015,10:19:37,0.009  
04/16/2015,10:34:37,0.011  
04/16/2015,10:49:37,0.007  
04/16/2015,11:04:37,0.004  
04/16/2015,11:19:37,0.004  
04/16/2015,11:34:37,0.006  
04/16/2015,11:49:37,0.005  
04/16/2015,12:04:37,0.005  
04/16/2015,12:19:37,0.003  
04/16/2015,12:34:37,0.004  
04/16/2015,12:49:37,0.002  
04/16/2015,13:04:37,0.002  
04/16/2015,13:19:37,0.002  
04/16/2015,13:34:37,0.006  
04/16/2015,13:49:37,0.014  
04/16/2015,14:04:37,0.003  
04/16/2015,14:19:37,0.002  
04/16/2015,14:34:37,0.004  
04/16/2015,14:49:37,0.004  
04/16/2015,15:04:37,0.003  
04/16/2015,15:19:37,0.008  
04/16/2015,15:34:37,0.006

15/04/16 08:14

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 4/16/2015 08:14:59  
 End 4/16/2015 15:57:03  
 Sample Period(s) 900  
 Number of Records 30  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 9.451  
 High Alarm 18.902  
 Over Alarm 15000.000  
 STEL Alarm 8.218  
 TWA Alarm 8.218  
 Measurement Gas Isobutylene  
 Calibration Time 4/16/2015 07:45  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	4/16/2015 08:29:59	0.032	0.089
002	4/16/2015 08:44:59	0.060	0.074
003	4/16/2015 08:59:59	0.063	0.073
004	4/16/2015 09:14:59	0.064	0.071
005	4/16/2015 09:29:59	0.064	0.077
006	4/16/2015 09:44:59	0.066	0.072
007	4/16/2015 09:59:59	0.065	0.072
008	4/16/2015 10:14:59	0.062	0.080
009	4/16/2015 10:29:59	0.056	0.076
010	4/16/2015 10:44:59	0.051	0.063
011	4/16/2015 10:59:59	0.046	0.051
012	4/16/2015 11:14:59	0.040	0.046
013	4/16/2015 11:29:59	0.040	0.045
014	4/16/2015 11:44:59	0.038	0.047
015	4/16/2015 11:59:59	0.040	0.051
016	4/16/2015 12:14:59	0.053	0.141
017	4/16/2015 12:29:59	0.064	0.091
018	4/16/2015 12:44:59	0.099	0.141
019	4/16/2015 12:59:59	0.129	0.155
020	4/16/2015 13:14:59	0.128	0.175
021	4/16/2015 13:29:59	0.102	0.149

4-16-15 Downwind-1 VOC.prs.txt

022	4/16/2015	13:44:59	0.083	0.089
023	4/16/2015	13:59:59	0.075	0.085
024	4/16/2015	14:14:59	0.054	0.065
025	4/16/2015	14:29:59	0.026	0.045
026	4/16/2015	14:44:59	0.000	0.000
027	4/16/2015	14:59:59	0.000	0.000
028	4/16/2015	15:14:59	0.000	0.000
029	4/16/2015	15:29:59	0.000	0.000
030	4/16/2015	15:44:59	0.000	0.000
Peak		0.129	0.175	
Min		0.000	0.000	
Average		0.053	0.071	



TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,04/16/2015  
Start Time:,08:05:25  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.007  
,Minimum:,0.001  
,Time of Minimum:,13:35:25  
,Date of Minimum:,04/16/2015  
,Maximum:,0.015  
,Time of Maximum:,09:20:25  
,Date of Maximum:,04/16/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/16/2015,08:20:25,0.011  
04/16/2015,08:35:25,0.012  
04/16/2015,08:50:25,0.014  
04/16/2015,09:05:25,0.013  
04/16/2015,09:20:25,0.015  
04/16/2015,09:35:25,0.015  
04/16/2015,09:50:25,0.014  
04/16/2015,10:05:25,0.010  
04/16/2015,10:20:25,0.008  
04/16/2015,10:35:25,0.008  
04/16/2015,10:50:25,0.007  
04/16/2015,11:05:25,0.006  
04/16/2015,11:20:25,0.006  
04/16/2015,11:35:25,0.006  
04/16/2015,11:50:25,0.005  
04/16/2015,12:05:25,0.006  
04/16/2015,12:20:25,0.003  
04/16/2015,12:35:25,0.006  
04/16/2015,12:50:25,0.004  
04/16/2015,13:05:25,0.003  
04/16/2015,13:20:25,0.003  
04/16/2015,13:35:25,0.001  
04/16/2015,13:50:25,0.011  
04/16/2015,14:05:25,0.001  
04/16/2015,14:20:25,0.001  
04/16/2015,14:35:25,0.003  
04/16/2015,14:50:25,0.003  
04/16/2015,15:05:25,0.001  
04/16/2015,15:20:25,0.003  
04/16/2015,15:35:25,0.002  
04/16/2015,15:50:25,0.006

15/04/16 08:11

\*\*\*\*\*

Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 4/16/2015 08:11:45  
 End 4/16/2015 15:59:00  
 Sample Period(s) 900  
 Number of Records 31  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 50.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 100.000  
 TWA Alarm 10.869  
 Measurement Gas Isobutylene  
 Calibration Time 4/16/2015 07:46  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	4/16/2015 08:26:45	0.020	0.215
002	4/16/2015 08:41:45	0.000	0.007
003	4/16/2015 08:56:45	0.000	0.000
004	4/16/2015 09:11:45	0.000	0.000
005	4/16/2015 09:26:45	0.000	0.000
006	4/16/2015 09:41:45	0.000	0.000
007	4/16/2015 09:56:45	0.000	0.000
008	4/16/2015 10:11:45	0.000	0.000
009	4/16/2015 10:26:45	0.000	0.000
010	4/16/2015 10:41:45	0.000	0.000
011	4/16/2015 10:56:45	0.000	0.000
012	4/16/2015 11:11:45	0.000	0.000
013	4/16/2015 11:26:45	0.000	0.000
014	4/16/2015 11:41:45	0.000	0.000
015	4/16/2015 11:56:45	0.000	0.000
016	4/16/2015 12:11:45	0.002	0.028
017	4/16/2015 12:26:45	0.000	0.022
018	4/16/2015 12:41:45	0.017	0.091
019	4/16/2015 12:56:45	0.039	0.072
020	4/16/2015 13:11:45	0.039	0.079
021	4/16/2015 13:26:45	0.034	0.066

4-16-15 Downwind-2 VOC.prs.txt

022	4/16/2015	13:41:45	0.032	0.050
023	4/16/2015	13:56:45	0.050	0.054
024	4/16/2015	14:11:45	0.049	0.058
025	4/16/2015	14:26:45	0.064	0.070
026	4/16/2015	14:41:45	0.077	0.113
027	4/16/2015	14:56:45	0.076	0.094
028	4/16/2015	15:11:45	0.053	0.072
029	4/16/2015	15:26:45	0.024	0.038
030	4/16/2015	15:41:45	0.008	0.027
031	4/16/2015	15:56:45	0.004	0.028
Peak		0.077	0.215	
Min		0.000	0.000	
Average		0.019	0.038	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,04/16/2015  
Start Time:,08:16:16  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.007  
,Minimum:,0.004  
,Time of Minimum:,11:01:16  
,Date of Minimum:,04/16/2015  
,Maximum:,0.015  
,Time of Maximum:,08:31:16  
,Date of Maximum:,04/16/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/16/2015,08:31:16,0.015  
04/16/2015,08:46:16,0.008  
04/16/2015,09:01:16,0.008  
04/16/2015,09:16:16,0.010  
04/16/2015,09:31:16,0.012  
04/16/2015,09:46:16,0.011  
04/16/2015,10:01:16,0.008  
04/16/2015,10:16:16,0.006  
04/16/2015,10:31:16,0.005  
04/16/2015,10:46:16,0.005  
04/16/2015,11:01:16,0.004  
04/16/2015,11:16:16,0.004  
04/16/2015,11:31:16,0.005  
04/16/2015,11:46:16,0.004  
04/16/2015,12:01:16,0.004  
04/16/2015,12:16:16,0.004  
04/16/2015,12:31:16,0.004  
04/16/2015,12:46:16,0.004  
04/16/2015,13:01:16,0.005  
04/16/2015,13:16:16,0.008  
04/16/2015,13:31:16,0.005  
04/16/2015,13:46:16,0.011  
04/16/2015,14:01:16,0.011  
04/16/2015,14:16:16,0.013  
04/16/2015,14:31:16,0.007  
04/16/2015,14:46:16,0.005  
04/16/2015,15:01:16,0.005  
04/16/2015,15:16:16,0.007  
04/16/2015,15:31:16,0.005  
04/16/2015,15:46:16,0.006

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315

4-16-15 Upwind Dust.txt

Test ID:,004  
Test Abbreviation:,MANUAL\_004\_A  
Start Date:,04/16/2015  
Start Time:,08:16:17  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.015  
,Minimum:,0.008  
,Time of Minimum:,08:29:17  
,Date of Minimum:,04/16/2015  
,Maximum:,0.094  
,Time of Maximum:,08:17:17  
,Date of Maximum:,04/16/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/16/2015,08:17:17,0.094  
04/16/2015,08:18:17,0.012  
04/16/2015,08:19:17,0.012  
04/16/2015,08:20:17,0.010  
04/16/2015,08:21:17,0.010  
04/16/2015,08:22:17,0.009  
04/16/2015,08:23:17,0.010  
04/16/2015,08:24:17,0.010  
04/16/2015,08:25:17,0.009  
04/16/2015,08:26:17,0.009  
04/16/2015,08:27:17,0.009  
04/16/2015,08:28:17,0.009  
04/16/2015,08:29:17,0.008  
04/16/2015,08:30:17,0.009  
04/16/2015,08:31:17,0.009

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_B  
Start Date:,04/16/2015  
Start Time:,13:03:05  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.007  
,Minimum:,0.004  
,Time of Minimum:,13:08:05  
,Date of Minimum:,04/16/2015  
,Maximum:,0.040  
,Time of Maximum:,13:04:05  
,Date of Maximum:,04/16/2015

Calibration,Sensor:,AEROSOL

,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m^3  
04/16/2015,13:04:05,0.040  
04/16/2015,13:05:05,0.005  
04/16/2015,13:06:05,0.005  
04/16/2015,13:07:05,0.005  
04/16/2015,13:08:05,0.004  
04/16/2015,13:09:05,0.005  
04/16/2015,13:10:05,0.004  
04/16/2015,13:11:05,0.004  
04/16/2015,13:12:05,0.005  
04/16/2015,13:13:05,0.004  
04/16/2015,13:14:05,0.005  
04/16/2015,13:15:05,0.005  
04/16/2015,13:16:05,0.006  
04/16/2015,13:17:05,0.005  
04/16/2015,13:18:05,0.005

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_C  
Start Date:,04/16/2015  
Start Time:,14:05:50  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m^3  
,Average:,0.012  
,Minimum:,0.005  
,Time of Minimum:,14:19:50  
,Date of Minimum:,04/16/2015  
,Maximum:,0.049  
,Time of Maximum:,14:06:50  
,Date of Maximum:,04/16/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m^3  
04/16/2015,14:06:50,0.049  
04/16/2015,14:07:50,0.008  
04/16/2015,14:08:50,0.007  
04/16/2015,14:09:50,0.015  
04/16/2015,14:10:50,0.009  
04/16/2015,14:11:50,0.007  
04/16/2015,14:12:50,0.013  
04/16/2015,14:13:50,0.012  
04/16/2015,14:14:50,0.012  
04/16/2015,14:15:50,0.009  
04/16/2015,14:16:50,0.009  
04/16/2015,14:17:50,0.009  
04/16/2015,14:18:50,0.010  
04/16/2015,14:19:50,0.005  
04/16/2015,14:20:50,0.005

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,006  
Test Abbreviation:,MANUAL\_006  
Start Date:,04/17/2015  
Start Time:,07:50:18  
Duration (dd:hh:mm:ss):,0:06:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,26  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.075  
,Minimum:,0.066  
,Time of Minimum:,13:35:18  
,Date of Minimum:,04/17/2015  
,Maximum:,0.088  
,Time of Maximum:,09:05:18  
,Date of Maximum:,04/17/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/17/2015,08:05:18,0.071  
04/17/2015,08:20:18,0.071  
04/17/2015,08:35:18,0.084  
04/17/2015,08:50:18,0.085  
04/17/2015,09:05:18,0.088  
04/17/2015,09:20:18,0.079  
04/17/2015,09:35:18,0.079  
04/17/2015,09:50:18,0.076  
04/17/2015,10:05:18,0.078  
04/17/2015,10:20:18,0.080  
04/17/2015,10:35:18,0.076  
04/17/2015,10:50:18,0.071  
04/17/2015,11:05:18,0.069  
04/17/2015,11:20:18,0.068  
04/17/2015,11:35:18,0.070  
04/17/2015,11:50:18,0.075  
04/17/2015,12:05:18,0.076  
04/17/2015,12:20:18,0.077  
04/17/2015,12:35:18,0.081  
04/17/2015,12:50:18,0.072  
04/17/2015,13:05:18,0.078  
04/17/2015,13:20:18,0.069  
04/17/2015,13:35:18,0.066  
04/17/2015,13:50:18,0.068  
04/17/2015,14:05:18,0.074  
04/17/2015,14:20:18,0.074

15/04/17 08:01

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 4/17/2015 08:01:18  
 End 4/17/2015 14:32:25  
 Sample Period(s) 900  
 Number of Records 26  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 9.451  
 High Alarm 18.902  
 Over Alarm 15000.000  
 STEL Alarm 8.218  
 TWA Alarm 8.218  
 Measurement Gas Isobutylene  
 Calibration Time 4/17/2015 07:44  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	4/17/2015 08:16:18	0.066	0.310
002	4/17/2015 08:31:18	0.055	0.076
003	4/17/2015 08:46:18	0.049	0.071
004	4/17/2015 09:01:18	0.036	0.054
005	4/17/2015 09:16:18	0.033	0.059
006	4/17/2015 09:31:18	0.031	0.056
007	4/17/2015 09:46:18	0.096	0.139
008	4/17/2015 10:01:18	0.126	0.152
009	4/17/2015 10:16:18	0.122	0.148
010	4/17/2015 10:31:18	0.138	0.172
011	4/17/2015 10:46:18	0.139	0.169
012	4/17/2015 11:01:18	0.218	0.247
013	4/17/2015 11:16:18	0.227	0.278
014	4/17/2015 11:31:18	0.193	0.275
015	4/17/2015 11:46:18	0.250	0.308
016	4/17/2015 12:01:18	0.293	0.373
017	4/17/2015 12:16:18	0.405	0.473
018	4/17/2015 12:31:18	0.527	0.708
019	4/17/2015 12:46:18	0.671	0.870
020	4/17/2015 13:01:18	0.804	0.957
021	4/17/2015 13:16:18	0.851	0.966



4-17-15 Downwind-1 VOC.prs.txt

022	4/17/2015	13:31:18	0.866	1.050
023	4/17/2015	13:46:18	1.423	1.824
024	4/17/2015	14:01:18	1.446	1.746
025	4/17/2015	14:16:18	1.377	1.451
026	4/17/2015	14:31:18	1.362	1.411
Peak			1.446	1.824
Min			0.031	0.054
Average			0.454	0.552

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530122515  
Test ID:.,005  
Test Abbreviation:.,MANUAL\_005  
Start Date:.,04/17/2015  
Start Time:.,07:50:59  
Duration (dd:hh:mm:ss):.,0:06:30:00  
Log Interval (mm:ss):.,15:00  
Number of points:.,26  
Notes:.,

Statistics,Channel:.,AEROSOL  
,Units:.,mg/m<sup>3</sup>  
,Average:.,0.063  
,Minimum:.,0.053  
,Time of Minimum:.,08:20:59  
,Date of Minimum:.,04/17/2015  
,Maximum:.,0.078  
,Time of Maximum:.,12:20:59  
,Date of Maximum:.,04/17/2015

Calibration,Sensor:.,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
04/17/2015,08:05:59,0.063  
04/17/2015,08:20:59,0.053  
04/17/2015,08:35:59,0.061  
04/17/2015,08:50:59,0.070  
04/17/2015,09:05:59,0.060  
04/17/2015,09:20:59,0.068  
04/17/2015,09:35:59,0.055  
04/17/2015,09:50:59,0.059  
04/17/2015,10:05:59,0.057  
04/17/2015,10:20:59,0.063  
04/17/2015,10:35:59,0.062  
04/17/2015,10:50:59,0.058  
04/17/2015,11:05:59,0.057  
04/17/2015,11:20:59,0.060  
04/17/2015,11:35:59,0.064  
04/17/2015,11:50:59,0.065  
04/17/2015,12:05:59,0.072  
04/17/2015,12:20:59,0.078  
04/17/2015,12:35:59,0.071  
04/17/2015,12:50:59,0.065  
04/17/2015,13:05:59,0.067  
04/17/2015,13:20:59,0.062  
04/17/2015,13:35:59,0.056  
04/17/2015,13:50:59,0.055  
04/17/2015,14:05:59,0.062  
04/17/2015,14:20:59,0.062

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530122515  
Test ID:.,005  
Test Abbreviation:.,MANUAL\_005\_A  
Start Date:.,04/17/2015  
Start Time:.,07:51:00

Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.063  
,Minimum:,0.043  
,Time of Minimum:,07:57:00  
,Date of Minimum:,04/17/2015  
,Maximum:,0.095  
,Time of Maximum:,07:52:00  
,Date of Maximum:,04/17/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/17/2015,07:52:00,0.095  
04/17/2015,07:53:00,0.047  
04/17/2015,07:54:00,0.062  
04/17/2015,07:55:00,0.062  
04/17/2015,07:56:00,0.049  
04/17/2015,07:57:00,0.043  
04/17/2015,07:58:00,0.078  
04/17/2015,07:59:00,0.067  
04/17/2015,08:00:00,0.070  
04/17/2015,08:01:00,0.066  
04/17/2015,08:02:00,0.048  
04/17/2015,08:03:00,0.048  
04/17/2015,08:04:00,0.048  
04/17/2015,08:05:00,0.070  
04/17/2015,08:06:00,0.094

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_B  
Start Date:,04/17/2015  
Start Time:,08:21:55  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.061  
,Minimum:,0.048  
,Time of Minimum:,08:29:55  
,Date of Minimum:,04/17/2015  
,Maximum:,0.104  
,Time of Maximum:,08:22:55  
,Date of Maximum:,04/17/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>

4-17-15 Downwind-2 Dust.txt

04/17/2015,08:22:55,0.104  
04/17/2015,08:23:55,0.053  
04/17/2015,08:24:55,0.066  
04/17/2015,08:25:55,0.055  
04/17/2015,08:26:55,0.053  
04/17/2015,08:27:55,0.053  
04/17/2015,08:28:55,0.050  
04/17/2015,08:29:55,0.048  
04/17/2015,08:30:55,0.051  
04/17/2015,08:31:55,0.068  
04/17/2015,08:32:55,0.053  
04/17/2015,08:33:55,0.052  
04/17/2015,08:34:55,0.064  
04/17/2015,08:35:55,0.082  
04/17/2015,08:36:55,0.058

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530122515  
Test ID: ,005  
Test Abbreviation: ,MANUAL\_005\_C  
Start Date: ,04/17/2015  
Start Time: ,08:38:18  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.069  
,Minimum: ,0.054  
,Time of Minimum: ,08:52:18  
,Date of Minimum: ,04/17/2015  
,Maximum: ,0.102  
,Time of Maximum: ,08:39:18  
,Date of Maximum: ,04/17/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/17/2015,08:39:18,0.102  
04/17/2015,08:40:18,0.081  
04/17/2015,08:41:18,0.060  
04/17/2015,08:42:18,0.063  
04/17/2015,08:43:18,0.061  
04/17/2015,08:44:18,0.069  
04/17/2015,08:45:18,0.067  
04/17/2015,08:46:18,0.055  
04/17/2015,08:47:18,0.063  
04/17/2015,08:48:18,0.097  
04/17/2015,08:49:18,0.075  
04/17/2015,08:50:18,0.070  
04/17/2015,08:51:18,0.063  
04/17/2015,08:52:18,0.054  
04/17/2015,08:53:18,0.062

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530122515  
Test ID: ,005

Test Abbreviation:,MANUAL\_005\_D  
Start Date:,04/17/2015  
Start Time:,09:07:44  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.064  
,Minimum:,0.051  
,Time of Minimum:,09:20:44  
,Date of Minimum:,04/17/2015  
,Maximum:,0.118  
,Time of Maximum:,09:08:44  
,Date of Maximum:,04/17/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
04/17/2015,09:08:44,0.118  
04/17/2015,09:09:44,0.081  
04/17/2015,09:10:44,0.073  
04/17/2015,09:11:44,0.064  
04/17/2015,09:12:44,0.063  
04/17/2015,09:13:44,0.058  
04/17/2015,09:14:44,0.073  
04/17/2015,09:15:44,0.064  
04/17/2015,09:16:44,0.054  
04/17/2015,09:17:44,0.052  
04/17/2015,09:18:44,0.052  
04/17/2015,09:19:44,0.060  
04/17/2015,09:20:44,0.051  
04/17/2015,09:21:44,0.051  
04/17/2015,09:22:44,0.051

15/04/17 07:57

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 4/17/2015 07:57:48  
 End 4/17/2015 14:35:15  
 Sample Period(s) 900  
 Number of Records 26  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 50.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 100.000  
 TWA Alarm 10.869  
 Measurement Gas Isobutylene  
 Calibration Time 4/17/2015 07:41  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	4/17/2015 08:12:48	0.005	0.165
002	4/17/2015 08:27:48	0.000	0.000
003	4/17/2015 08:42:48	0.000	0.000
004	4/17/2015 08:57:48	0.000	0.000
005	4/17/2015 09:12:48	0.000	0.000
006	4/17/2015 09:27:48	0.016	0.187
007	4/17/2015 09:42:48	0.002	0.047
008	4/17/2015 09:57:48	0.002	0.025
009	4/17/2015 10:12:48	0.000	0.003
010	4/17/2015 10:27:48	0.007	0.044
011	4/17/2015 10:42:48	0.012	0.028
012	4/17/2015 10:57:48	0.015	0.031
013	4/17/2015 11:12:48	0.012	0.025
014	4/17/2015 11:27:48	0.018	0.035
015	4/17/2015 11:42:48	0.021	0.033
016	4/17/2015 11:57:48	0.011	0.029
017	4/17/2015 12:12:48	0.015	0.042
018	4/17/2015 12:27:48	0.026	0.066
019	4/17/2015 12:42:48	0.002	0.041
020	4/17/2015 12:57:48	0.000	0.027
021	4/17/2015 13:12:48	0.007	0.107

4-17-15 Downwind-2 VOC.prs.txt

022	4/17/2015	13:27:48	0.004	0.094
023	4/17/2015	13:42:48	0.000	0.000
024	4/17/2015	13:57:48	0.000	0.000
025	4/17/2015	14:12:48	0.000	0.000
026	4/17/2015	14:27:48	0.000	0.000
Peak		0.026	0.187	
Min		0.000	0.000	
Average		0.007	0.040	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,005  
Test Abbreviation:,MANUAL\_005  
Start Date:,04/17/2015  
Start Time:,07:58:54  
Duration (dd:hh:mm:ss):,0:06:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,25  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.067  
,Minimum:,0.051  
,Time of Minimum:,08:13:54  
,Date of Minimum:,04/17/2015  
,Maximum:,0.079  
,Time of Maximum:,12:13:54  
,Date of Maximum:,04/17/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/17/2015,08:13:54,0.051  
04/17/2015,08:28:54,0.054  
04/17/2015,08:43:54,0.062  
04/17/2015,08:58:54,0.062  
04/17/2015,09:13:54,0.065  
04/17/2015,09:28:54,0.060  
04/17/2015,09:43:54,0.066  
04/17/2015,09:58:54,0.065  
04/17/2015,10:13:54,0.069  
04/17/2015,10:28:54,0.070  
04/17/2015,10:43:54,0.066  
04/17/2015,10:58:54,0.064  
04/17/2015,11:13:54,0.065  
04/17/2015,11:28:54,0.068  
04/17/2015,11:43:54,0.072  
04/17/2015,11:58:54,0.077  
04/17/2015,12:13:54,0.079  
04/17/2015,12:28:54,0.078  
04/17/2015,12:43:54,0.073  
04/17/2015,12:58:54,0.068  
04/17/2015,13:13:54,0.071  
04/17/2015,13:28:54,0.062  
04/17/2015,13:43:54,0.063  
04/17/2015,13:58:54,0.068  
04/17/2015,14:13:54,0.075

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_A  
Start Date:,04/17/2015  
Start Time:,07:58:55  
Duration (dd:hh:mm:ss):,0:00:15:00



Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.051  
,Minimum:,0.045  
,Time of Minimum:,08:06:55  
,Date of Minimum:,04/17/2015  
,Maximum:,0.079  
,Time of Maximum:,07:59:55  
,Date of Maximum:,04/17/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
04/17/2015,07:59:55,0.079  
04/17/2015,08:00:55,0.046  
04/17/2015,08:01:55,0.046  
04/17/2015,08:02:55,0.048  
04/17/2015,08:03:55,0.049  
04/17/2015,08:04:55,0.046  
04/17/2015,08:05:55,0.047  
04/17/2015,08:06:55,0.045  
04/17/2015,08:07:55,0.048  
04/17/2015,08:08:55,0.049  
04/17/2015,08:09:55,0.049  
04/17/2015,08:10:55,0.051  
04/17/2015,08:11:55,0.053  
04/17/2015,08:12:55,0.051  
04/17/2015,08:13:55,0.051

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,04/20/2015  
Start Time:,07:55:20  
Duration (dd:hh:mm:ss):,0:07:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,28  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.023  
,Minimum:,0.007  
,Time of Minimum:,08:25:20  
,Date of Minimum:,04/20/2015  
,Maximum:,0.062  
,Time of Maximum:,12:40:20  
,Date of Maximum:,04/20/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/20/2015,08:10:20,0.008  
04/20/2015,08:25:20,0.007  
04/20/2015,08:40:20,0.008  
04/20/2015,08:55:20,0.008  
04/20/2015,09:10:20,0.008  
04/20/2015,09:25:20,0.010  
04/20/2015,09:40:20,0.012  
04/20/2015,09:55:20,0.012  
04/20/2015,10:10:20,0.015  
04/20/2015,10:25:20,0.017  
04/20/2015,10:40:20,0.016  
04/20/2015,10:55:20,0.014  
04/20/2015,11:10:20,0.015  
04/20/2015,11:25:20,0.016  
04/20/2015,11:40:20,0.016  
04/20/2015,11:55:20,0.020  
04/20/2015,12:10:20,0.028  
04/20/2015,12:25:20,0.053  
04/20/2015,12:40:20,0.062  
04/20/2015,12:55:20,0.045  
04/20/2015,13:10:20,0.045  
04/20/2015,13:25:20,0.029  
04/20/2015,13:40:20,0.034  
04/20/2015,13:55:20,0.030  
04/20/2015,14:10:20,0.027  
04/20/2015,14:25:20,0.031  
04/20/2015,14:40:20,0.026  
04/20/2015,14:55:20,0.028

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A

Start Date:,04/20/2015  
Start Time:,07:55:21  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.008  
,Minimum:,0.003  
,Time of Minimum:,08:06:21  
,Date of Minimum:,04/20/2015  
,Maximum:,0.016  
,Time of Maximum:,07:56:21  
,Date of Maximum:,04/20/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/20/2015,07:56:21,0.016  
04/20/2015,07:57:21,0.007  
04/20/2015,07:58:21,0.011  
04/20/2015,07:59:21,0.007  
04/20/2015,08:00:21,0.008  
04/20/2015,08:01:21,0.005  
04/20/2015,08:02:21,0.008  
04/20/2015,08:03:21,0.005  
04/20/2015,08:04:21,0.005  
04/20/2015,08:05:21,0.008  
04/20/2015,08:06:21,0.003  
04/20/2015,08:07:21,0.009  
04/20/2015,08:08:21,0.007  
04/20/2015,08:09:21,0.005  
04/20/2015,08:10:21,0.008

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_B  
Start Date:,04/20/2015  
Start Time:,12:17:41  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.053  
,Minimum:,0.037  
,Time of Minimum:,12:31:41  
,Date of Minimum:,04/20/2015  
,Maximum:,0.091  
,Time of Maximum:,12:18:41  
,Date of Maximum:,04/20/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

4-20-15 Downwind-1 Dust.txt

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/20/2015,12:18:41,0.091  
04/20/2015,12:19:41,0.085  
04/20/2015,12:20:41,0.042  
04/20/2015,12:21:41,0.064  
04/20/2015,12:22:41,0.042  
04/20/2015,12:23:41,0.047  
04/20/2015,12:24:41,0.047  
04/20/2015,12:25:41,0.057  
04/20/2015,12:26:41,0.062  
04/20/2015,12:27:41,0.046  
04/20/2015,12:28:41,0.041  
04/20/2015,12:29:41,0.045  
04/20/2015,12:30:41,0.045  
04/20/2015,12:31:41,0.037  
04/20/2015,12:32:41,0.047

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_C  
Start Date:,04/20/2015  
Start Time:,12:33:20  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.058  
,Minimum:,0.031  
,Time of Minimum:,12:44:20  
,Date of Minimum:,04/20/2015  
,Maximum:,0.130  
,Time of Maximum:,12:34:20  
,Date of Maximum:,04/20/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/20/2015,12:34:20,0.130  
04/20/2015,12:35:20,0.066  
04/20/2015,12:36:20,0.058  
04/20/2015,12:37:20,0.062  
04/20/2015,12:38:20,0.065  
04/20/2015,12:39:20,0.084  
04/20/2015,12:40:20,0.078  
04/20/2015,12:41:20,0.046  
04/20/2015,12:42:20,0.047  
04/20/2015,12:43:20,0.042  
04/20/2015,12:44:20,0.031  
04/20/2015,12:45:20,0.046  
04/20/2015,12:46:20,0.032  
04/20/2015,12:47:20,0.042  
04/20/2015,12:48:20,0.039

Model:,DustTrak II  
Model Number:,8530

Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_D  
Start Date:,04/20/2015  
Start Time:,12:54:13  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.049  
,Minimum:,0.024  
,Time of Minimum:,13:07:13  
,Date of Minimum:,04/20/2015  
,Maximum:,0.088  
,Time of Maximum:,12:55:13  
,Date of Maximum:,04/20/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
04/20/2015,12:55:13,0.088  
04/20/2015,12:56:13,0.069  
04/20/2015,12:57:13,0.056  
04/20/2015,12:58:13,0.055  
04/20/2015,12:59:13,0.067  
04/20/2015,13:00:13,0.061  
04/20/2015,13:01:13,0.044  
04/20/2015,13:02:13,0.052  
04/20/2015,13:03:13,0.032  
04/20/2015,13:04:13,0.046  
04/20/2015,13:05:13,0.033  
04/20/2015,13:06:13,0.027  
04/20/2015,13:07:13,0.024  
04/20/2015,13:08:13,0.036  
04/20/2015,13:09:13,0.042

15/04/20 08:07

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 4/20/2015 08:07:04  
 End 4/20/2015 15:12:01  
 Sample Period(s) 900  
 Number of Records 28  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 9.451  
 High Alarm 18.902  
 Over Alarm 15000.000  
 STEL Alarm 8.218  
 TWA Alarm 8.218  
 Measurement Gas Isobutylene  
 Calibration Time 4/20/2015 07:38  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	4/20/2015 08:22:04	0.011	0.403
002	4/20/2015 08:37:04	0.000	0.000
003	4/20/2015 08:52:04	0.000	0.000
004	4/20/2015 09:07:04	0.000	0.000
005	4/20/2015 09:22:04	0.000	0.000
006	4/20/2015 09:37:04	0.000	0.000
007	4/20/2015 09:52:04	0.000	0.000
008	4/20/2015 10:07:04	0.000	0.000
009	4/20/2015 10:22:04	0.000	0.000
010	4/20/2015 10:37:04	0.000	0.000
011	4/20/2015 10:52:04	0.000	0.000
012	4/20/2015 11:07:04	0.000	0.000
013	4/20/2015 11:22:04	0.000	0.000
014	4/20/2015 11:37:04	0.000	0.000
015	4/20/2015 11:52:04	0.000	0.000
016	4/20/2015 12:07:04	0.000	0.000
017	4/20/2015 12:22:04	0.000	0.068
018	4/20/2015 12:37:04	0.047	0.302
019	4/20/2015 12:52:04	0.235	0.633
020	4/20/2015 13:07:04	0.280	0.766
021	4/20/2015 13:22:04	0.331	0.642

4-20-15 Downwind-1 VOC.prs.txt

022	4/20/2015	13:37:04	0.165	0.252
023	4/20/2015	13:52:04	0.165	0.583
024	4/20/2015	14:07:04	0.060	0.150
025	4/20/2015	14:22:04	0.031	0.105
026	4/20/2015	14:37:04	0.077	0.174
027	4/20/2015	14:52:04	0.003	0.070
028	4/20/2015	15:07:04	0.000	0.000
Peak		0.331	0.766	
Min		0.000	0.000	
Average		0.050	0.148	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,04/20/2015  
Start Time:,08:02:51  
Duration (dd:hh:mm:ss):,0:07:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,28  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.016  
,Minimum:,0.003  
,Time of Minimum:,08:32:51  
,Date of Minimum:,04/20/2015  
,Maximum:,0.038  
,Time of Maximum:,08:17:51  
,Date of Maximum:,04/20/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/20/2015,08:17:51,0.038  
04/20/2015,08:32:51,0.003  
04/20/2015,08:47:51,0.004  
04/20/2015,09:02:51,0.004  
04/20/2015,09:17:51,0.004  
04/20/2015,09:32:51,0.005  
04/20/2015,09:47:51,0.007  
04/20/2015,10:02:51,0.008  
04/20/2015,10:17:51,0.010  
04/20/2015,10:32:51,0.012  
04/20/2015,10:47:51,0.013  
04/20/2015,11:02:51,0.015  
04/20/2015,11:17:51,0.015  
04/20/2015,11:32:51,0.016  
04/20/2015,11:47:51,0.015  
04/20/2015,12:02:51,0.016  
04/20/2015,12:17:51,0.022  
04/20/2015,12:32:51,0.023  
04/20/2015,12:47:51,0.024  
04/20/2015,13:02:51,0.022  
04/20/2015,13:17:51,0.024  
04/20/2015,13:32:51,0.019  
04/20/2015,13:47:51,0.024  
04/20/2015,14:02:51,0.020  
04/20/2015,14:17:51,0.019  
04/20/2015,14:32:51,0.022  
04/20/2015,14:47:51,0.025  
04/20/2015,15:02:51,0.028

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A



Start Date:,04/20/2015  
Start Time:,08:02:54  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m^3  
,Average: ,0.038  
,Minimum: ,0.001  
,Time of Minimum: ,08:04:54  
,Date of Minimum: ,04/20/2015  
,Maximum: ,0.535  
,Time of Maximum: ,08:03:54  
,Date of Maximum: ,04/20/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m^3  
04/20/2015,08:03:54,0.535  
04/20/2015,08:04:54,0.001  
04/20/2015,08:05:54,0.001  
04/20/2015,08:06:54,0.001  
04/20/2015,08:07:54,0.001  
04/20/2015,08:08:54,0.002  
04/20/2015,08:09:54,0.004  
04/20/2015,08:10:54,0.005  
04/20/2015,08:11:54,0.002  
04/20/2015,08:12:54,0.005  
04/20/2015,08:13:54,0.003  
04/20/2015,08:14:54,0.002  
04/20/2015,08:15:54,0.002  
04/20/2015,08:16:54,0.002  
04/20/2015,08:17:54,0.002

15/04/20 08:10

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 4/20/2015 08:10:39  
 End 4/20/2015 15:13:39  
 Sample Period(s) 900  
 Number of Records 28  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 50.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 100.000  
 TWA Alarm 10.869  
 Measurement Gas Isobutylene  
 Calibration Time 4/20/2015 07:37  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	4/20/2015 08:25:39	0.059	0.232
002	4/20/2015 08:40:39	0.054	0.067
003	4/20/2015 08:55:39	0.085	0.106
004	4/20/2015 09:10:39	0.114	0.133
005	4/20/2015 09:25:39	0.138	0.147
006	4/20/2015 09:40:39	0.154	0.163
007	4/20/2015 09:55:39	0.168	0.179
008	4/20/2015 10:10:39	0.183	0.194
009	4/20/2015 10:25:39	0.203	0.223
010	4/20/2015 10:40:39	0.214	0.234
011	4/20/2015 10:55:39	0.222	0.235
012	4/20/2015 11:10:39	0.224	0.254
013	4/20/2015 11:25:39	0.217	0.230
014	4/20/2015 11:40:39	0.216	0.236
015	4/20/2015 11:55:39	0.203	0.239
016	4/20/2015 12:10:39	0.196	0.220
017	4/20/2015 12:25:39	0.177	0.202
018	4/20/2015 12:40:39	0.164	0.221
019	4/20/2015 12:55:39	0.153	0.196
020	4/20/2015 13:10:39	0.147	0.210
021	4/20/2015 13:25:39	0.135	0.169

4-20-15 Downwind-2 VOC.prs.txt

022	4/20/2015	13:40:39	0.114	0.134
023	4/20/2015	13:55:39	0.105	0.121
024	4/20/2015	14:10:39	0.106	0.125
025	4/20/2015	14:25:39	0.102	0.115
026	4/20/2015	14:40:39	0.103	0.163
027	4/20/2015	14:55:39	0.159	0.193
028	4/20/2015	15:10:39	0.158	0.192
Peak		0.224	0.254	
Min		0.054	0.067	
Average		0.153	0.183	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530143315  
Test ID:.,001  
Test Abbreviation:.,MANUAL\_001  
Start Date:.,04/20/2015  
Start Time:.,08:08:16  
Duration (dd:hh:mm:ss):.,0:06:30:00  
Log Interval (mm:ss):.,15:00  
Number of points:.,26  
Notes:.,

Statistics,Channel:.,AEROSOL  
,Units:.,mg/m^3  
,Average:.,0.012  
,Minimum:.,0.003  
,Time of Minimum:.,08:38:16  
,Date of Minimum:.,04/20/2015  
,Maximum:.,0.023  
,Time of Maximum:.,14:38:16  
,Date of Maximum:.,04/20/2015

Calibration,Sensor:.,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m^3  
04/20/2015,08:23:16,0.010  
04/20/2015,08:38:16,0.003  
04/20/2015,08:53:16,0.003  
04/20/2015,09:08:16,0.003  
04/20/2015,09:23:16,0.004  
04/20/2015,09:38:16,0.004  
04/20/2015,09:53:16,0.005  
04/20/2015,10:08:16,0.006  
04/20/2015,10:23:16,0.008  
04/20/2015,10:38:16,0.009  
04/20/2015,10:53:16,0.009  
04/20/2015,11:08:16,0.009  
04/20/2015,11:23:16,0.010  
04/20/2015,11:38:16,0.011  
04/20/2015,11:53:16,0.012  
04/20/2015,12:08:16,0.014  
04/20/2015,12:23:16,0.015  
04/20/2015,12:38:16,0.015  
04/20/2015,12:53:16,0.016  
04/20/2015,13:08:16,0.016  
04/20/2015,13:23:16,0.017  
04/20/2015,13:38:16,0.018  
04/20/2015,13:53:16,0.019  
04/20/2015,14:08:16,0.019  
04/20/2015,14:23:16,0.021  
04/20/2015,14:38:16,0.023

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530143315  
Test ID:.,001  
Test Abbreviation:.,MANUAL\_001\_A  
Start Date:.,04/20/2015  
Start Time:.,08:08:17

4-20-15 Upwind Dust.txt

Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel: ,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average: ,0.010  
,Minimum: ,0.001  
,Time of Minimum: ,08:12:17  
,Date of Minimum: ,04/20/2015  
,Maximum: ,0.120  
,Time of Maximum: ,08:09:17  
,Date of Maximum: ,04/20/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/20/2015,08:09:17,0.120  
04/20/2015,08:10:17,0.002  
04/20/2015,08:11:17,0.002  
04/20/2015,08:12:17,0.001  
04/20/2015,08:13:17,0.005  
04/20/2015,08:14:17,0.002  
04/20/2015,08:15:17,0.002  
04/20/2015,08:16:17,0.002  
04/20/2015,08:17:17,0.002  
04/20/2015,08:18:17,0.002  
04/20/2015,08:19:17,0.002  
04/20/2015,08:20:17,0.002  
04/20/2015,08:21:17,0.002  
04/20/2015,08:22:17,0.002  
04/20/2015,08:23:17,0.003

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,04/21/2015  
Start Time:,07:54:47  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.016  
,Minimum:,0.006  
,Time of Minimum:,15:09:47  
,Date of Minimum:,04/21/2015  
,Maximum:,0.031  
,Time of Maximum:,08:09:47  
,Date of Maximum:,04/21/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/21/2015,08:09:47,0.031  
04/21/2015,08:24:47,0.031  
04/21/2015,08:39:47,0.023  
04/21/2015,08:54:47,0.022  
04/21/2015,09:09:47,0.019  
04/21/2015,09:24:47,0.016  
04/21/2015,09:39:47,0.016  
04/21/2015,09:54:47,0.015  
04/21/2015,10:09:47,0.018  
04/21/2015,10:24:47,0.014  
04/21/2015,10:39:47,0.013  
04/21/2015,10:54:47,0.014  
04/21/2015,11:09:47,0.014  
04/21/2015,11:24:47,0.016  
04/21/2015,11:39:47,0.018  
04/21/2015,11:54:47,0.015  
04/21/2015,12:09:47,0.022  
04/21/2015,12:24:47,0.025  
04/21/2015,12:39:47,0.022  
04/21/2015,12:54:47,0.018  
04/21/2015,13:09:47,0.015  
04/21/2015,13:24:47,0.013  
04/21/2015,13:39:47,0.011  
04/21/2015,13:54:47,0.011  
04/21/2015,14:09:47,0.010  
04/21/2015,14:24:47,0.011  
04/21/2015,14:39:47,0.009  
04/21/2015,14:54:47,0.008  
04/21/2015,15:09:47,0.006  
04/21/2015,15:24:47,0.006

15/04/21 08:06

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 4/21/2015 08:06:21  
 End 4/21/2015 15:47:12  
 Sample Period(s) 900  
 Number of Records 30  
 -----

Sensor VOC(ppm)  
 Span 43.476  
 Span 2 N/A  
 Low Alarm 4.109  
 High Alarm 8.218  
 Over Alarm 15000.000  
 STEL Alarm 3.573  
 TWA Alarm 3.573  
 Measurement Gas Isobutylene  
 Calibration Time 4/21/2015 07:48  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	4/21/2015 08:21:21	0.002	0.220
002	4/21/2015 08:36:21	0.000	0.000
003	4/21/2015 08:51:21	0.000	0.000
004	4/21/2015 09:06:21	0.000	0.000
005	4/21/2015 09:21:21	0.000	0.000
006	4/21/2015 09:36:21	0.000	0.000
007	4/21/2015 09:51:21	0.000	0.000
008	4/21/2015 10:06:21	0.000	0.000
009	4/21/2015 10:21:21	0.000	0.000
010	4/21/2015 10:36:21	0.000	0.000
011	4/21/2015 10:51:21	0.000	0.000
012	4/21/2015 11:06:21	0.000	0.000
013	4/21/2015 11:21:21	0.000	0.000
014	4/21/2015 11:36:21	0.000	0.000
015	4/21/2015 11:51:21	0.000	0.000
016	4/21/2015 12:06:21	0.000	0.000
017	4/21/2015 12:21:21	0.000	0.000
018	4/21/2015 12:36:21	0.000	0.000
019	4/21/2015 12:51:21	0.000	0.000
020	4/21/2015 13:06:21	0.000	0.000
021	4/21/2015 13:21:21	0.000	0.000

4-21-15 Downwind-1 VOC.prs.txt

022	4/21/2015	13:36:21	0.000	0.000
023	4/21/2015	13:51:21	0.000	0.000
024	4/21/2015	14:06:21	0.000	0.000
025	4/21/2015	14:21:21	0.000	0.000
026	4/21/2015	14:36:21	0.000	0.000
027	4/21/2015	14:51:21	0.000	0.000
028	4/21/2015	15:06:21	0.000	0.000
029	4/21/2015	15:21:21	0.000	0.000
030	4/21/2015	15:36:21	0.000	0.000
Peak		0.002	0.220	
Min		0.000	0.000	
Average		0.000	0.007	



TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,04/21/2015  
Start Time:,07:55:30  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.016  
,Minimum:,0.007  
,Time of Minimum:,15:10:30  
,Date of Minimum:,04/21/2015  
,Maximum:,0.035  
,Time of Maximum:,08:10:30  
,Date of Maximum:,04/21/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/21/2015,08:10:30,0.035  
04/21/2015,08:25:30,0.030  
04/21/2015,08:40:30,0.025  
04/21/2015,08:55:30,0.022  
04/21/2015,09:10:30,0.025  
04/21/2015,09:25:30,0.018  
04/21/2015,09:40:30,0.017  
04/21/2015,09:55:30,0.015  
04/21/2015,10:10:30,0.026  
04/21/2015,10:25:30,0.013  
04/21/2015,10:40:30,0.013  
04/21/2015,10:55:30,0.012  
04/21/2015,11:10:30,0.015  
04/21/2015,11:25:30,0.016  
04/21/2015,11:40:30,0.015  
04/21/2015,11:55:30,0.014  
04/21/2015,12:10:30,0.015  
04/21/2015,12:25:30,0.024  
04/21/2015,12:40:30,0.022  
04/21/2015,12:55:30,0.016  
04/21/2015,13:10:30,0.013  
04/21/2015,13:25:30,0.011  
04/21/2015,13:40:30,0.011  
04/21/2015,13:55:30,0.010  
04/21/2015,14:10:30,0.011  
04/21/2015,14:25:30,0.011  
04/21/2015,14:40:30,0.009  
04/21/2015,14:55:30,0.008  
04/21/2015,15:10:30,0.007  
04/21/2015,15:25:30,0.007

15/04/21 08:03

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 4/21/2015 08:03:05  
 End 4/21/2015 15:46:13  
 Sample Period(s) 900  
 Number of Records 30  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 50.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 100.000  
 TWA Alarm 10.869  
 Measurement Gas Isobutylene  
 Calibration Time 4/21/2015 07:46  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	4/21/2015 08:18:05	0.016	0.314
002	4/21/2015 08:33:05	0.000	0.013
003	4/21/2015 08:48:05	0.000	0.014
004	4/21/2015 09:03:05	0.000	0.000
005	4/21/2015 09:18:05	0.000	0.002
006	4/21/2015 09:33:05	0.000	0.002
007	4/21/2015 09:48:05	0.000	0.003
008	4/21/2015 10:03:05	0.000	0.000
009	4/21/2015 10:18:05	0.000	0.020
010	4/21/2015 10:33:05	0.000	0.000
011	4/21/2015 10:48:05	0.000	0.000
012	4/21/2015 11:03:05	0.000	0.000
013	4/21/2015 11:18:05	0.000	0.000
014	4/21/2015 11:33:05	0.000	0.000
015	4/21/2015 11:48:05	0.000	0.000
016	4/21/2015 12:03:05	0.000	0.000
017	4/21/2015 12:18:05	0.000	0.000
018	4/21/2015 12:33:05	0.000	0.000
019	4/21/2015 12:48:05	0.000	0.000
020	4/21/2015 13:03:05	0.000	0.000
021	4/21/2015 13:18:05	0.000	0.000

4-21-15 Downwind-2 VOC.prs.txt

022	4/21/2015	13:33:05	0.000	0.000
023	4/21/2015	13:48:05	0.000	0.000
024	4/21/2015	14:03:05	0.000	0.000
025	4/21/2015	14:18:05	0.000	0.000
026	4/21/2015	14:33:05	0.000	0.000
027	4/21/2015	14:48:05	0.000	0.000
028	4/21/2015	15:03:05	0.000	0.000
029	4/21/2015	15:18:05	0.000	0.000
030	4/21/2015	15:33:05	0.000	0.000
Peak		0.016	0.314	
Min		0.000	0.000	
Average		0.001	0.012	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,04/21/2015  
Start Time:,08:02:51  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.013  
,Minimum:,0.007  
,Time of Minimum:,15:17:51  
,Date of Minimum:,04/21/2015  
,Maximum:,0.049  
,Time of Maximum:,08:17:51  
,Date of Maximum:,04/21/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/21/2015,08:17:51,0.049  
04/21/2015,08:32:51,0.022  
04/21/2015,08:47:51,0.018  
04/21/2015,09:02:51,0.015  
04/21/2015,09:17:51,0.011  
04/21/2015,09:32:51,0.010  
04/21/2015,09:47:51,0.011  
04/21/2015,10:02:51,0.011  
04/21/2015,10:17:51,0.011  
04/21/2015,10:32:51,0.011  
04/21/2015,10:47:51,0.012  
04/21/2015,11:02:51,0.011  
04/21/2015,11:17:51,0.012  
04/21/2015,11:32:51,0.014  
04/21/2015,11:47:51,0.013  
04/21/2015,12:02:51,0.012  
04/21/2015,12:17:51,0.013  
04/21/2015,12:32:51,0.014  
04/21/2015,12:47:51,0.012  
04/21/2015,13:02:51,0.010  
04/21/2015,13:17:51,0.009  
04/21/2015,13:32:51,0.010  
04/21/2015,13:47:51,0.010  
04/21/2015,14:02:51,0.010  
04/21/2015,14:17:51,0.009  
04/21/2015,14:32:51,0.009  
04/21/2015,14:47:51,0.008  
04/21/2015,15:02:51,0.011  
04/21/2015,15:17:51,0.007  
04/21/2015,15:32:51,0.008

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315

4-21-15 Upwind Dust.txt

Test ID:,002  
Test Abbreviation:,MANUAL\_002\_A  
Start Date:,04/21/2015  
Start Time:,08:02:52  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.049  
,Minimum:,0.021  
,Time of Minimum:,08:04:52  
,Date of Minimum:,04/21/2015  
,Maximum:,0.414  
,Time of Maximum:,08:03:52  
,Date of Maximum:,04/21/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/21/2015,08:03:52,0.414  
04/21/2015,08:04:52,0.021  
04/21/2015,08:05:52,0.021  
04/21/2015,08:06:52,0.022  
04/21/2015,08:07:52,0.022  
04/21/2015,08:08:52,0.023  
04/21/2015,08:09:52,0.022  
04/21/2015,08:10:52,0.022  
04/21/2015,08:11:52,0.023  
04/21/2015,08:12:52,0.023  
04/21/2015,08:13:52,0.023  
04/21/2015,08:14:52,0.023  
04/21/2015,08:15:52,0.024  
04/21/2015,08:16:52,0.024  
04/21/2015,08:17:52,0.024

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_B  
Start Date:,04/21/2015  
Start Time:,14:51:58  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.010  
,Minimum:,0.006  
,Time of Minimum:,14:56:58  
,Date of Minimum:,04/21/2015  
,Maximum:,0.062  
,Time of Maximum:,14:52:58  
,Date of Maximum:,04/21/2015

Calibration,Sensor:,AEROSOL

,Cal. date,08/14/2014

```
Date,Time,AEROSOL
MM/dd/yyyy,hh:mm:ss,mg/m^3
04/21/2015,14:52:58,0.062
04/21/2015,14:53:58,0.010
04/21/2015,14:54:58,0.007
04/21/2015,14:55:58,0.007
04/21/2015,14:56:58,0.006
04/21/2015,14:57:58,0.006
04/21/2015,14:58:58,0.007
04/21/2015,14:59:58,0.007
04/21/2015,15:00:58,0.007
04/21/2015,15:01:58,0.007
04/21/2015,15:02:58,0.006
04/21/2015,15:03:58,0.006
04/21/2015,15:04:58,0.006
04/21/2015,15:05:58,0.006
04/21/2015,15:06:58,0.006
```

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,04/22/2015  
Start Time:,07:55:13  
Duration (dd:hh:mm:ss):,0:08:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,32  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.011  
,Minimum:,0.005  
,Time of Minimum:,08:10:13  
,Date of Minimum:,04/22/2015  
,Maximum:,0.018  
,Time of Maximum:,15:40:13  
,Date of Maximum:,04/22/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/22/2015,08:10:13,0.005  
04/22/2015,08:25:13,0.006  
04/22/2015,08:40:13,0.007  
04/22/2015,08:55:13,0.013  
04/22/2015,09:10:13,0.013  
04/22/2015,09:25:13,0.011  
04/22/2015,09:40:13,0.016  
04/22/2015,09:55:13,0.014  
04/22/2015,10:10:13,0.015  
04/22/2015,10:25:13,0.015  
04/22/2015,10:40:13,0.012  
04/22/2015,10:55:13,0.012  
04/22/2015,11:10:13,0.011  
04/22/2015,11:25:13,0.009  
04/22/2015,11:40:13,0.009  
04/22/2015,11:55:13,0.011  
04/22/2015,12:10:13,0.010  
04/22/2015,12:25:13,0.009  
04/22/2015,12:40:13,0.009  
04/22/2015,12:55:13,0.010  
04/22/2015,13:10:13,0.009  
04/22/2015,13:25:13,0.009  
04/22/2015,13:40:13,0.008  
04/22/2015,13:55:13,0.007  
04/22/2015,14:10:13,0.008  
04/22/2015,14:25:13,0.012  
04/22/2015,14:40:13,0.012  
04/22/2015,14:55:13,0.011  
04/22/2015,15:10:13,0.012  
04/22/2015,15:25:13,0.014  
04/22/2015,15:40:13,0.018  
04/22/2015,15:55:13,0.018

15/04/22 08:07

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 4/22/2015 08:07:11  
 End 4/22/2015 16:13:57  
 Sample Period(s) 900  
 Number of Records 32  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 4.109  
 High Alarm 8.218  
 Over Alarm 15000.000  
 STEL Alarm 3.573  
 TWA Alarm 3.573  
 Measurement Gas Isobutylene  
 Calibration Time 4/22/2015 07:45  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

\*\*\*\*\*

Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	4/22/2015 08:22:11	0.006	0.219
002	4/22/2015 08:37:11	0.000	0.000
003	4/22/2015 08:52:11	0.000	0.000
004	4/22/2015 09:07:11	0.000	0.000
005	4/22/2015 09:22:11	0.000	0.000
006	4/22/2015 09:37:11	0.000	0.000
007	4/22/2015 09:52:11	0.000	0.000
008	4/22/2015 10:07:11	0.000	0.000
009	4/22/2015 10:22:11	0.000	0.064
010	4/22/2015 10:37:11	0.000	0.017
011	4/22/2015 10:52:11	0.000	0.000
012	4/22/2015 11:07:11	0.000	0.000
013	4/22/2015 11:22:11	0.000	0.000
014	4/22/2015 11:37:11	0.000	0.000
015	4/22/2015 11:52:11	0.000	0.000
016	4/22/2015 12:07:11	0.007	0.146
017	4/22/2015 12:22:11	0.005	0.252
018	4/22/2015 12:37:11	0.002	0.099
019	4/22/2015 12:52:11	0.000	0.024
020	4/22/2015 13:07:11	0.000	0.000
021	4/22/2015 13:22:11	0.000	0.000



4-22-15 Downwind-1 VOC.prs.txt

022	4/22/2015	13:37:11	0.000	0.000
023	4/22/2015	13:52:11	0.000	0.000
024	4/22/2015	14:07:11	0.000	0.000
025	4/22/2015	14:22:11	0.000	0.000
026	4/22/2015	14:37:11	0.000	0.000
027	4/22/2015	14:52:11	0.000	0.000
028	4/22/2015	15:07:11	0.000	0.000
029	4/22/2015	15:22:11	0.000	0.000
030	4/22/2015	15:37:11	0.000	0.000
031	4/22/2015	15:52:11	0.000	0.000
032	4/22/2015	16:07:11	0.000	0.000
Peak		0.007	0.252	
Min		0.000	0.000	
Average		0.001	0.026	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,04/22/2015  
Start Time:,07:55:14  
Duration (dd:hh:mm:ss):,0:08:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,32  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.016  
,Minimum:,0.012  
,Time of Minimum:,12:25:14  
,Date of Minimum:,04/22/2015  
,Maximum:,0.023  
,Time of Maximum:,09:10:14  
,Date of Maximum:,04/22/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/22/2015,08:10:14,0.016  
04/22/2015,08:25:14,0.013  
04/22/2015,08:40:14,0.015  
04/22/2015,08:55:14,0.019  
04/22/2015,09:10:14,0.023  
04/22/2015,09:25:14,0.017  
04/22/2015,09:40:14,0.015  
04/22/2015,09:55:14,0.017  
04/22/2015,10:10:14,0.018  
04/22/2015,10:25:14,0.016  
04/22/2015,10:40:14,0.014  
04/22/2015,10:55:14,0.015  
04/22/2015,11:10:14,0.015  
04/22/2015,11:25:14,0.015  
04/22/2015,11:40:14,0.015  
04/22/2015,11:55:14,0.014  
04/22/2015,12:10:14,0.013  
04/22/2015,12:25:14,0.012  
04/22/2015,12:40:14,0.013  
04/22/2015,12:55:14,0.014  
04/22/2015,13:10:14,0.015  
04/22/2015,13:25:14,0.015  
04/22/2015,13:40:14,0.013  
04/22/2015,13:55:14,0.013  
04/22/2015,14:10:14,0.015  
04/22/2015,14:25:14,0.016  
04/22/2015,14:40:14,0.016  
04/22/2015,14:55:14,0.016  
04/22/2015,15:10:14,0.017  
04/22/2015,15:25:14,0.017  
04/22/2015,15:40:14,0.020  
04/22/2015,15:55:14,0.022

15/04/22 08:03

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 4/22/2015 08:03:00  
 End 4/22/2015 16:11:38  
 Sample Period(s) 900  
 Number of Records 32  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 50.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 100.000  
 TWA Alarm 10.869  
 Measurement Gas Isobutylene  
 Calibration Time 4/22/2015 07:43  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	4/22/2015 08:18:00	0.049	1.776
002	4/22/2015 08:33:00	0.000	0.000
003	4/22/2015 08:48:00	0.000	0.000
004	4/22/2015 09:03:00	0.000	0.000
005	4/22/2015 09:18:00	0.000	0.000
006	4/22/2015 09:33:00	0.000	0.000
007	4/22/2015 09:48:00	0.000	0.000
008	4/22/2015 10:03:00	0.000	0.000
009	4/22/2015 10:18:00	0.000	0.000
010	4/22/2015 10:33:00	0.000	0.000
011	4/22/2015 10:48:00	0.000	0.000
012	4/22/2015 11:03:00	0.000	0.000
013	4/22/2015 11:18:00	0.000	0.000
014	4/22/2015 11:33:00	0.000	0.000
015	4/22/2015 11:48:00	0.000	0.000
016	4/22/2015 12:03:00	0.000	0.000
017	4/22/2015 12:18:00	0.000	0.000
018	4/22/2015 12:33:00	0.000	0.000
019	4/22/2015 12:48:00	0.000	0.000
020	4/22/2015 13:03:00	0.000	0.000
021	4/22/2015 13:18:00	0.000	0.000

4-22-15 Downwind-2 VOC.prs.txt

022	4/22/2015	13:33:00	0.000	0.000
023	4/22/2015	13:48:00	0.000	0.000
024	4/22/2015	14:03:00	0.000	0.000
025	4/22/2015	14:18:00	0.000	0.000
026	4/22/2015	14:33:00	0.000	0.000
027	4/22/2015	14:48:00	0.000	0.000
028	4/22/2015	15:03:00	0.000	0.000
029	4/22/2015	15:18:00	0.000	0.000
030	4/22/2015	15:33:00	0.000	0.000
031	4/22/2015	15:48:00	0.000	0.000
032	4/22/2015	16:03:00	0.000	0.000
Peak		0.049	1.776	
Min		0.000	0.000	
Average		0.002	0.056	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,04/22/2015  
Start Time:,08:03:53  
Duration (dd:hh:mm:ss):,0:08:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,32  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.011  
,Minimum:,0.006  
,Time of Minimum:,11:48:53  
,Date of Minimum:,04/22/2015  
,Maximum:,0.023  
,Time of Maximum:,08:18:53  
,Date of Maximum:,04/22/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
04/22/2015,08:18:53,0.023  
04/22/2015,08:33:53,0.009  
04/22/2015,08:48:53,0.010  
04/22/2015,09:03:53,0.011  
04/22/2015,09:18:53,0.009  
04/22/2015,09:33:53,0.009  
04/22/2015,09:48:53,0.008  
04/22/2015,10:03:53,0.008  
04/22/2015,10:18:53,0.008  
04/22/2015,10:33:53,0.008  
04/22/2015,10:48:53,0.008  
04/22/2015,11:03:53,0.009  
04/22/2015,11:18:53,0.009  
04/22/2015,11:33:53,0.007  
04/22/2015,11:48:53,0.006  
04/22/2015,12:03:53,0.006  
04/22/2015,12:18:53,0.006  
04/22/2015,12:33:53,0.008  
04/22/2015,12:48:53,0.010  
04/22/2015,13:03:53,0.011  
04/22/2015,13:18:53,0.010  
04/22/2015,13:33:53,0.011  
04/22/2015,13:48:53,0.010  
04/22/2015,14:03:53,0.011  
04/22/2015,14:18:53,0.012  
04/22/2015,14:33:53,0.014  
04/22/2015,14:48:53,0.014  
04/22/2015,15:03:53,0.014  
04/22/2015,15:18:53,0.014  
04/22/2015,15:33:53,0.016  
04/22/2015,15:48:53,0.017  
04/22/2015,16:03:53,0.020

Model:,DustTrak II

4-22-15 Upwind Dust.txt

Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_A  
Start Date:,04/22/2015  
Start Time:,08:03:54  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.023  
,Minimum:,0.008  
,Time of Minimum:,08:05:54  
,Date of Minimum:,04/22/2015  
,Maximum:,0.232  
,Time of Maximum:,08:04:54  
,Date of Maximum:,04/22/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/22/2015,08:04:54,0.232  
04/22/2015,08:05:54,0.008  
04/22/2015,08:06:54,0.008  
04/22/2015,08:07:54,0.008  
04/22/2015,08:08:54,0.008  
04/22/2015,08:09:54,0.008  
04/22/2015,08:10:54,0.008  
04/22/2015,08:11:54,0.008  
04/22/2015,08:12:54,0.008  
04/22/2015,08:13:54,0.009  
04/22/2015,08:14:54,0.008  
04/22/2015,08:15:54,0.008  
04/22/2015,08:16:54,0.008  
04/22/2015,08:17:54,0.008  
04/22/2015,08:18:54,0.008

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_B  
Start Date:,04/22/2015  
Start Time:,15:51:10  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.019  
,Minimum:,0.018  
,Time of Minimum:,15:53:10  
,Date of Minimum:,04/22/2015  
,Maximum:,0.025  
,Time of Maximum:,15:52:10  
,Date of Maximum:,04/22/2015

4-22-15 Upwind Dust.txt

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m^3  
04/22/2015,15:52:10,0.025  
04/22/2015,15:53:10,0.018  
04/22/2015,15:54:10,0.018  
04/22/2015,15:55:10,0.019  
04/22/2015,15:56:10,0.019  
04/22/2015,15:57:10,0.019  
04/22/2015,15:58:10,0.019  
04/22/2015,15:59:10,0.019  
04/22/2015,16:00:10,0.019  
04/22/2015,16:01:10,0.019  
04/22/2015,16:02:10,0.019  
04/22/2015,16:03:10,0.019  
04/22/2015,16:04:10,0.019  
04/22/2015,16:05:10,0.019  
04/22/2015,16:06:10,0.019

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,04/23/2015  
Start Time:,07:51:39  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.017  
,Minimum:,0.000  
,Time of Minimum:,07:52:44  
,Date of Minimum:,04/23/2015  
,Maximum:,0.027  
,Time of Maximum:,15:06:39  
,Date of Maximum:,04/23/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/23/2015,07:52:44,0.000  
04/23/2015,08:06:39,0.007  
04/23/2015,08:21:39,0.008  
04/23/2015,08:36:39,0.010  
04/23/2015,08:51:39,0.012  
04/23/2015,09:06:39,0.014  
04/23/2015,09:21:39,0.014  
04/23/2015,09:36:39,0.015  
04/23/2015,09:51:39,0.014  
04/23/2015,10:06:39,0.017  
04/23/2015,10:21:39,0.018  
04/23/2015,10:36:39,0.019  
04/23/2015,10:51:39,0.016  
04/23/2015,11:06:39,0.015  
04/23/2015,11:21:39,0.015  
04/23/2015,11:36:39,0.017  
04/23/2015,11:51:39,0.019  
04/23/2015,12:06:39,0.022  
04/23/2015,12:21:39,0.021  
04/23/2015,12:36:39,0.021  
04/23/2015,12:51:39,0.017  
04/23/2015,13:06:39,0.017  
04/23/2015,13:21:39,0.017  
04/23/2015,13:36:39,0.017  
04/23/2015,13:51:39,0.017  
04/23/2015,14:06:39,0.017  
04/23/2015,14:21:39,0.019  
04/23/2015,14:36:39,0.023  
04/23/2015,14:51:39,0.025  
04/23/2015,15:06:39,0.027  
04/23/2015,15:21:39,0.027

Model:,DustTrak II  
Model Number:,8530



Serial Number:,8530141112  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_A  
Start Date:,04/23/2015  
Start Time:,14:45:49  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.027  
,Minimum:,0.021  
,Time of Minimum:,14:56:49  
,Date of Minimum:,04/23/2015  
,Maximum:,0.037  
,Time of Maximum:,14:46:49  
,Date of Maximum:,04/23/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
04/23/2015,14:46:49,0.037  
04/23/2015,14:47:49,0.022  
04/23/2015,14:48:49,0.031  
04/23/2015,14:49:49,0.028  
04/23/2015,14:50:49,0.027  
04/23/2015,14:51:49,0.029  
04/23/2015,14:52:49,0.029  
04/23/2015,14:53:49,0.023  
04/23/2015,14:54:49,0.028  
04/23/2015,14:55:49,0.029  
04/23/2015,14:56:49,0.021  
04/23/2015,14:57:49,0.029  
04/23/2015,14:58:49,0.026  
04/23/2015,14:59:49,0.024  
04/23/2015,15:00:49,0.024

15/04/23 08:03

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 4/23/2015 08:03:37  
 End 4/23/2015 15:35:50  
 Sample Period(s) 900  
 Number of Records 30  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 4.109  
 High Alarm 8.218  
 Over Alarm 15000.000  
 STEL Alarm 3.573  
 TWA Alarm 3.573  
 Measurement Gas Isobutylene  
 Calibration Time 4/23/2015 07:47  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	4/23/2015 08:18:37	0.000	0.000
002	4/23/2015 08:33:37	0.000	0.000
003	4/23/2015 08:48:37	0.000	0.000
004	4/23/2015 09:03:37	0.000	0.000
005	4/23/2015 09:18:37	0.000	0.000
006	4/23/2015 09:33:37	0.000	0.000
007	4/23/2015 09:48:37	0.000	0.000
008	4/23/2015 10:03:37	0.000	0.000
009	4/23/2015 10:18:37	0.000	0.000
010	4/23/2015 10:33:37	0.000	0.000
011	4/23/2015 10:48:37	0.000	0.000
012	4/23/2015 11:03:37	0.000	0.000
013	4/23/2015 11:18:37	0.000	0.000
014	4/23/2015 11:33:37	0.000	0.000
015	4/23/2015 11:48:37	0.000	0.000
016	4/23/2015 12:03:37	0.000	0.000
017	4/23/2015 12:18:37	0.000	0.000
018	4/23/2015 12:33:37	0.000	0.000
019	4/23/2015 12:48:37	0.000	0.000
020	4/23/2015 13:03:37	0.000	0.000
021	4/23/2015 13:18:37	0.000	0.000

4-23-15 Downwind-1 VOC.prs.txt

022	4/23/2015	13:33:37	0.000	0.000
023	4/23/2015	13:48:37	0.000	0.000
024	4/23/2015	14:03:37	0.000	0.000
025	4/23/2015	14:18:37	0.000	0.000
026	4/23/2015	14:33:37	0.000	0.000
027	4/23/2015	14:48:37	0.000	0.000
028	4/23/2015	15:03:37	0.000	0.000
029	4/23/2015	15:18:37	0.000	0.000
030	4/23/2015	15:33:37	0.000	0.000
Peak		0.000	0.000	
Min		0.000	0.000	
Average		0.000	0.000	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,04/23/2015  
Start Time:,07:52:30  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.018  
,Minimum:,0.009  
,Time of Minimum:,08:07:30  
,Date of Minimum:,04/23/2015  
,Maximum:,0.025  
,Time of Maximum:,15:07:30  
,Date of Maximum:,04/23/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/23/2015,08:07:30,0.009  
04/23/2015,08:22:30,0.011  
04/23/2015,08:37:30,0.015  
04/23/2015,08:52:30,0.015  
04/23/2015,09:07:30,0.016  
04/23/2015,09:22:30,0.014  
04/23/2015,09:37:30,0.017  
04/23/2015,09:52:30,0.017  
04/23/2015,10:07:30,0.017  
04/23/2015,10:22:30,0.018  
04/23/2015,10:37:30,0.019  
04/23/2015,10:52:30,0.017  
04/23/2015,11:07:30,0.016  
04/23/2015,11:22:30,0.016  
04/23/2015,11:37:30,0.019  
04/23/2015,11:52:30,0.019  
04/23/2015,12:07:30,0.022  
04/23/2015,12:22:30,0.021  
04/23/2015,12:37:30,0.022  
04/23/2015,12:52:30,0.018  
04/23/2015,13:07:30,0.017  
04/23/2015,13:22:30,0.018  
04/23/2015,13:37:30,0.017  
04/23/2015,13:52:30,0.016  
04/23/2015,14:07:30,0.019  
04/23/2015,14:22:30,0.020  
04/23/2015,14:37:30,0.022  
04/23/2015,14:52:30,0.022  
04/23/2015,15:07:30,0.025  
04/23/2015,15:22:30,0.024

15/04/23 08:00

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 4/23/2015 08:00:31  
 End 4/23/2015 15:37:34  
 Sample Period(s) 900  
 Number of Records 30  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 50.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 100.000  
 TWA Alarm 10.869  
 Measurement Gas Isobutylene  
 Calibration Time 4/23/2015 07:46  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	4/23/2015 08:15:31	0.042	1.266
002	4/23/2015 08:30:31	0.000	0.000
003	4/23/2015 08:45:31	0.000	0.000
004	4/23/2015 09:00:31	0.000	0.000
005	4/23/2015 09:15:31	0.000	0.000
006	4/23/2015 09:30:31	0.000	0.000
007	4/23/2015 09:45:31	0.000	0.000
008	4/23/2015 10:00:31	0.000	0.001
009	4/23/2015 10:15:31	0.000	0.003
010	4/23/2015 10:30:31	0.000	0.004
011	4/23/2015 10:45:31	0.000	0.009
012	4/23/2015 11:00:31	0.000	0.002
013	4/23/2015 11:15:31	0.000	0.000
014	4/23/2015 11:30:31	0.000	0.000
015	4/23/2015 11:45:31	0.000	0.000
016	4/23/2015 12:00:31	0.000	0.000
017	4/23/2015 12:15:31	0.000	0.000
018	4/23/2015 12:30:31	0.000	0.000
019	4/23/2015 12:45:31	0.000	0.000
020	4/23/2015 13:00:31	0.000	0.000
021	4/23/2015 13:15:31	0.000	0.000

4-23-15 Downwind-2 VOC.prs.txt

022	4/23/2015	13:30:31	0.000	0.000
023	4/23/2015	13:45:31	0.000	0.000
024	4/23/2015	14:00:31	0.000	0.000
025	4/23/2015	14:15:31	0.000	0.000
026	4/23/2015	14:30:31	0.000	0.000
027	4/23/2015	14:45:31	0.000	0.000
028	4/23/2015	15:00:31	0.000	0.000
029	4/23/2015	15:15:31	0.000	0.002
030	4/23/2015	15:30:31	0.000	0.000
Peak		0.042	1.266	
Min		0.000	0.000	
Average		0.001	0.043	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,04/23/2015  
Start Time:,08:00:31  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.012  
,Minimum:,0.007  
,Time of Minimum:,08:30:31  
,Date of Minimum:,04/23/2015  
,Maximum:,0.027  
,Time of Maximum:,15:00:31  
,Date of Maximum:,04/23/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
04/23/2015,08:15:31,0.009  
04/23/2015,08:30:31,0.007  
04/23/2015,08:45:31,0.007  
04/23/2015,09:00:31,0.014  
04/23/2015,09:15:31,0.008  
04/23/2015,09:30:31,0.008  
04/23/2015,09:45:31,0.009  
04/23/2015,10:00:31,0.010  
04/23/2015,10:15:31,0.020  
04/23/2015,10:30:31,0.012  
04/23/2015,10:45:31,0.013  
04/23/2015,11:00:31,0.009  
04/23/2015,11:15:31,0.008  
04/23/2015,11:30:31,0.008  
04/23/2015,11:45:31,0.009  
04/23/2015,12:00:31,0.011  
04/23/2015,12:15:31,0.017  
04/23/2015,12:30:31,0.011  
04/23/2015,12:45:31,0.010  
04/23/2015,13:00:31,0.008  
04/23/2015,13:15:31,0.009  
04/23/2015,13:30:31,0.009  
04/23/2015,13:45:31,0.009  
04/23/2015,14:00:31,0.021  
04/23/2015,14:15:31,0.010  
04/23/2015,14:30:31,0.012  
04/23/2015,14:45:31,0.015  
04/23/2015,15:00:31,0.027  
04/23/2015,15:15:31,0.016  
04/23/2015,15:30:31,0.015

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315

4-23-15 Upwind Dust.txt

Test ID:,004  
Test Abbreviation:,MANUAL\_004\_A  
Start Date:,04/23/2015  
Start Time:,08:00:32  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.009  
,Minimum:,0.004  
,Time of Minimum:,08:02:32  
,Date of Minimum:,04/23/2015  
,Maximum:,0.075  
,Time of Maximum:,08:01:32  
,Date of Maximum:,04/23/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
04/23/2015,08:01:32,0.075  
04/23/2015,08:02:32,0.004  
04/23/2015,08:03:32,0.005  
04/23/2015,08:04:32,0.004  
04/23/2015,08:05:32,0.004  
04/23/2015,08:06:32,0.004  
04/23/2015,08:07:32,0.004  
04/23/2015,08:08:32,0.004  
04/23/2015,08:09:32,0.004  
04/23/2015,08:10:32,0.004  
04/23/2015,08:11:32,0.005  
04/23/2015,08:12:32,0.005  
04/23/2015,08:13:32,0.005  
04/23/2015,08:14:32,0.005  
04/23/2015,08:15:32,0.005

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_B  
Start Date:,04/23/2015  
Start Time:,08:58:51  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.013  
,Minimum:,0.007  
,Time of Minimum:,09:09:51  
,Date of Minimum:,04/23/2015  
,Maximum:,0.073  
,Time of Maximum:,08:59:51  
,Date of Maximum:,04/23/2015

Calibration,Sensor:,AEROSOL



,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
04/23/2015,08:59:51,0.073  
04/23/2015,09:00:51,0.012  
04/23/2015,09:01:51,0.009  
04/23/2015,09:02:51,0.009  
04/23/2015,09:03:51,0.010  
04/23/2015,09:04:51,0.008  
04/23/2015,09:05:51,0.010  
04/23/2015,09:06:51,0.008  
04/23/2015,09:07:51,0.008  
04/23/2015,09:08:51,0.008  
04/23/2015,09:09:51,0.007  
04/23/2015,09:10:51,0.008  
04/23/2015,09:11:51,0.007  
04/23/2015,09:12:51,0.011  
04/23/2015,09:13:51,0.010

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_C  
Start Date:,04/23/2015  
Start Time:,10:11:04  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.016  
,Minimum:,0.010  
,Time of Minimum:,10:16:04  
,Date of Minimum:,04/23/2015  
,Maximum:,0.054  
,Time of Maximum:,10:12:04  
,Date of Maximum:,04/23/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
04/23/2015,10:12:04,0.054  
04/23/2015,10:13:04,0.021  
04/23/2015,10:14:04,0.024  
04/23/2015,10:15:04,0.011  
04/23/2015,10:16:04,0.010  
04/23/2015,10:17:04,0.010  
04/23/2015,10:18:04,0.010  
04/23/2015,10:19:04,0.011  
04/23/2015,10:20:04,0.015  
04/23/2015,10:21:04,0.011  
04/23/2015,10:22:04,0.010  
04/23/2015,10:23:04,0.011  
04/23/2015,10:24:04,0.019  
04/23/2015,10:25:04,0.011  
04/23/2015,10:26:04,0.010

4-23-15 Upwind Dust.txt

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530143315  
Test ID: ,004  
Test Abbreviation: ,MANUAL\_004\_D  
Start Date: ,04/23/2015  
Start Time: ,13:54:36  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.019  
,Minimum: ,0.010  
,Time of Minimum: ,14:01:36  
,Date of Minimum: ,04/23/2015  
,Maximum: ,0.092  
,Time of Maximum: ,13:59:36  
,Date of Maximum: ,04/23/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/23/2015,13:55:36,0.025  
04/23/2015,13:56:36,0.012  
04/23/2015,13:57:36,0.023  
04/23/2015,13:58:36,0.022  
04/23/2015,13:59:36,0.092  
04/23/2015,14:00:36,0.016  
04/23/2015,14:01:36,0.010  
04/23/2015,14:02:36,0.010  
04/23/2015,14:03:36,0.010  
04/23/2015,14:04:36,0.010  
04/23/2015,14:05:36,0.017  
04/23/2015,14:06:36,0.010  
04/23/2015,14:07:36,0.010  
04/23/2015,14:08:36,0.015  
04/23/2015,14:09:36,0.010

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,005  
Test Abbreviation:,MANUAL\_005  
Start Date:,04/24/2015  
Start Time:,07:57:20  
Duration (dd:hh:mm:ss):,0:06:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,28  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.017  
,Minimum:,0.000  
,Time of Minimum:,07:58:30  
,Date of Minimum:,04/24/2015  
,Maximum:,0.039  
,Time of Maximum:,14:12:20  
,Date of Maximum:,04/24/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/24/2015,07:58:30,0.000  
04/24/2015,08:12:20,0.012  
04/24/2015,08:27:20,0.009  
04/24/2015,08:42:20,0.010  
04/24/2015,08:57:20,0.011  
04/24/2015,09:12:20,0.014  
04/24/2015,09:27:20,0.014  
04/24/2015,09:42:20,0.017  
04/24/2015,09:57:20,0.015  
04/24/2015,10:12:20,0.015  
04/24/2015,10:27:20,0.014  
04/24/2015,10:42:20,0.015  
04/24/2015,10:57:20,0.014  
04/24/2015,11:12:20,0.014  
04/24/2015,11:27:20,0.014  
04/24/2015,11:42:20,0.016  
04/24/2015,11:57:20,0.016  
04/24/2015,12:12:20,0.019  
04/24/2015,12:27:20,0.017  
04/24/2015,12:42:20,0.020  
04/24/2015,12:57:20,0.018  
04/24/2015,13:12:20,0.018  
04/24/2015,13:27:20,0.017  
04/24/2015,13:42:20,0.018  
04/24/2015,13:57:20,0.027  
04/24/2015,14:12:20,0.039  
04/24/2015,14:27:20,0.038  
04/24/2015,14:42:20,0.033

15/04/24 08:09

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 4/24/2015 08:09:21  
 End 4/24/2015 14:55:28  
 Sample Period(s) 900  
 Number of Records 27  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 4.109  
 High Alarm 8.218  
 Over Alarm 15000.000  
 STEL Alarm 3.573  
 TWA Alarm 3.573  
 Measurement Gas Isobutylene  
 Calibration Time 4/24/2015 07:48  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	4/24/2015 08:24:21	0.005	0.160
002	4/24/2015 08:39:21	0.000	0.000
003	4/24/2015 08:54:21	0.000	0.000
004	4/24/2015 09:09:21	0.000	0.000
005	4/24/2015 09:24:21	0.000	0.000
006	4/24/2015 09:39:21	0.000	0.000
007	4/24/2015 09:54:21	0.000	0.000
008	4/24/2015 10:09:21	0.000	0.000
009	4/24/2015 10:24:21	0.000	0.000
010	4/24/2015 10:39:21	0.000	0.000
011	4/24/2015 10:54:21	0.000	0.000
012	4/24/2015 11:09:21	0.000	0.000
013	4/24/2015 11:24:21	0.000	0.000
014	4/24/2015 11:39:21	0.000	0.000
015	4/24/2015 11:54:21	0.000	0.000
016	4/24/2015 12:09:21	0.000	0.000
017	4/24/2015 12:24:21	0.000	0.000
018	4/24/2015 12:39:21	0.000	0.000
019	4/24/2015 12:54:21	0.000	0.000
020	4/24/2015 13:09:21	0.000	0.000
021	4/24/2015 13:24:21	0.000	0.000

4-24-15 Downwind-1 VOC.prs.txt

022	4/24/2015	13:39:21	0.000	0.000
023	4/24/2015	13:54:21	0.000	0.000
024	4/24/2015	14:09:21	0.000	0.000
025	4/24/2015	14:24:21	0.000	0.000
026	4/24/2015	14:39:21	0.000	0.028
027	4/24/2015	14:54:21	0.000	0.027
Peak		0.005	0.160	
Min		0.000	0.000	
Average		0.000	0.008	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530122515  
Test ID: ,005  
Test Abbreviation: ,MANUAL\_005  
Start Date: ,04/24/2015  
Start Time: ,07:58:37  
Duration (dd:hh:mm:ss): ,0:06:45:00  
Log Interval (mm:ss): ,15:00  
Number of points: ,27  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.019  
,Minimum: ,0.014  
,Time of Minimum: ,08:28:37  
,Date of Minimum: ,04/24/2015  
,Maximum: ,0.026  
,Time of Maximum: ,14:13:37  
,Date of Maximum: ,04/24/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/24/2015,08:13:37,0.016  
04/24/2015,08:28:37,0.014  
04/24/2015,08:43:37,0.019  
04/24/2015,08:58:37,0.017  
04/24/2015,09:13:37,0.019  
04/24/2015,09:28:37,0.019  
04/24/2015,09:43:37,0.019  
04/24/2015,09:58:37,0.018  
04/24/2015,10:13:37,0.016  
04/24/2015,10:28:37,0.018  
04/24/2015,10:43:37,0.017  
04/24/2015,10:58:37,0.016  
04/24/2015,11:13:37,0.021  
04/24/2015,11:28:37,0.017  
04/24/2015,11:43:37,0.018  
04/24/2015,11:58:37,0.017  
04/24/2015,12:13:37,0.019  
04/24/2015,12:28:37,0.019  
04/24/2015,12:43:37,0.019  
04/24/2015,12:58:37,0.018  
04/24/2015,13:13:37,0.020  
04/24/2015,13:28:37,0.017  
04/24/2015,13:43:37,0.019  
04/24/2015,13:58:37,0.023  
04/24/2015,14:13:37,0.026  
04/24/2015,14:28:37,0.023  
04/24/2015,14:43:37,0.022

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530122515  
Test ID: ,005  
Test Abbreviation: ,MANUAL\_005\_A  
Start Date: ,04/24/2015

4-24-15 Downwind-2 Dust.txt

Start Time:,07:58:38  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.016  
,Minimum:,0.009  
,Time of Minimum:,08:00:38  
,Date of Minimum:,04/24/2015  
,Maximum:,0.025  
,Time of Maximum:,07:59:38  
,Date of Maximum:,04/24/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/24/2015,07:59:38,0.025  
04/24/2015,08:00:38,0.009  
04/24/2015,08:01:38,0.016  
04/24/2015,08:02:38,0.019  
04/24/2015,08:03:38,0.016  
04/24/2015,08:04:38,0.015  
04/24/2015,08:05:38,0.012  
04/24/2015,08:06:38,0.015  
04/24/2015,08:07:38,0.013  
04/24/2015,08:08:38,0.014  
04/24/2015,08:09:38,0.013  
04/24/2015,08:10:38,0.016  
04/24/2015,08:11:38,0.012  
04/24/2015,08:12:38,0.024  
04/24/2015,08:13:38,0.013

15/04/24 08:06

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 4/24/2015 08:06:27  
 End 4/24/2015 14:53:56  
 Sample Period(s) 900  
 Number of Records 27  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 50.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 100.000  
 TWA Alarm 10.869  
 Measurement Gas Isobutylene  
 Calibration Time 4/24/2015 07:46  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	4/24/2015 08:21:27	0.051	1.485
002	4/24/2015 08:36:27	0.000	0.000
003	4/24/2015 08:51:27	0.000	0.000
004	4/24/2015 09:06:27	0.000	0.000
005	4/24/2015 09:21:27	0.000	0.000
006	4/24/2015 09:36:27	0.000	0.000
007	4/24/2015 09:51:27	0.000	0.000
008	4/24/2015 10:06:27	0.000	0.000
009	4/24/2015 10:21:27	0.000	0.000
010	4/24/2015 10:36:27	0.000	0.000
011	4/24/2015 10:51:27	0.000	0.000
012	4/24/2015 11:06:27	0.000	0.000
013	4/24/2015 11:21:27	0.000	0.000
014	4/24/2015 11:36:27	0.000	0.000
015	4/24/2015 11:51:27	0.000	0.000
016	4/24/2015 12:06:27	0.000	0.000
017	4/24/2015 12:21:27	0.000	0.000
018	4/24/2015 12:36:27	0.000	0.000
019	4/24/2015 12:51:27	0.000	0.000
020	4/24/2015 13:06:27	0.000	0.000
021	4/24/2015 13:21:27	0.000	0.000



4-24-15 Downwind-2 VOC.prs.txt

022	4/24/2015	13:36:27	0.000	0.000
023	4/24/2015	13:51:27	0.000	0.000
024	4/24/2015	14:06:27	0.000	0.000
025	4/24/2015	14:21:27	0.000	0.000
026	4/24/2015	14:36:27	0.000	0.000
027	4/24/2015	14:51:27	0.000	0.000
Peak		0.051	1.485	
Min		0.000	0.000	
Average		0.002	0.055	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530143315  
Test ID:.,005  
Test Abbreviation:.,MANUAL\_005  
Start Date:.,04/24/2015  
Start Time:.,08:11:05  
Duration (dd:hh:mm:ss):.,0:06:30:00  
Log Interval (mm:ss):.,15:00  
Number of points:.,26  
Notes:.,

Statistics,Channel:.,AEROSOL  
,Units:.,mg/m<sup>3</sup>  
,Average:.,0.010  
,Minimum:.,0.006  
,Time of Minimum:.,08:41:05  
,Date of Minimum:.,04/24/2015  
,Maximum:.,0.015  
,Time of Maximum:.,14:41:05  
,Date of Maximum:.,04/24/2015

Calibration,Sensor:.,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
04/24/2015,08:26:05,0.014  
04/24/2015,08:41:05,0.006  
04/24/2015,08:56:05,0.006  
04/24/2015,09:11:05,0.007  
04/24/2015,09:26:05,0.008  
04/24/2015,09:41:05,0.008  
04/24/2015,09:56:05,0.010  
04/24/2015,10:11:05,0.009  
04/24/2015,10:26:05,0.010  
04/24/2015,10:41:05,0.009  
04/24/2015,10:56:05,0.009  
04/24/2015,11:11:05,0.009  
04/24/2015,11:26:05,0.008  
04/24/2015,11:41:05,0.009  
04/24/2015,11:56:05,0.009  
04/24/2015,12:11:05,0.010  
04/24/2015,12:26:05,0.010  
04/24/2015,12:41:05,0.010  
04/24/2015,12:56:05,0.011  
04/24/2015,13:11:05,0.012  
04/24/2015,13:26:05,0.011  
04/24/2015,13:41:05,0.011  
04/24/2015,13:56:05,0.011  
04/24/2015,14:11:05,0.013  
04/24/2015,14:26:05,0.014  
04/24/2015,14:41:05,0.015

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530143315  
Test ID:.,005  
Test Abbreviation:.,MANUAL\_005\_A  
Start Date:.,04/24/2015  
Start Time:.,08:11:08

Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.014  
,Minimum:,0.005  
,Time of Minimum:,08:19:08  
,Date of Minimum:,04/24/2015  
,Maximum:,0.131  
,Time of Maximum:,08:12:08  
,Date of Maximum:,04/24/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/24/2015,08:12:08,0.131  
04/24/2015,08:13:08,0.006  
04/24/2015,08:14:08,0.006  
04/24/2015,08:15:08,0.006  
04/24/2015,08:16:08,0.006  
04/24/2015,08:17:08,0.006  
04/24/2015,08:18:08,0.006  
04/24/2015,08:19:08,0.005  
04/24/2015,08:20:08,0.006  
04/24/2015,08:21:08,0.006  
04/24/2015,08:22:08,0.006  
04/24/2015,08:23:08,0.006  
04/24/2015,08:24:08,0.006  
04/24/2015,08:25:08,0.006  
04/24/2015,08:26:08,0.006

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_B  
Start Date:,04/24/2015  
Start Time:,12:56:12  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.012  
,Minimum:,0.010  
,Time of Minimum:,12:58:12  
,Date of Minimum:,04/24/2015  
,Maximum:,0.030  
,Time of Maximum:,12:57:12  
,Date of Maximum:,04/24/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>

4-24-15 Upwind Dust.txt

04/24/2015,12:57:12,0.030  
04/24/2015,12:58:12,0.010  
04/24/2015,12:59:12,0.010  
04/24/2015,13:00:12,0.010  
04/24/2015,13:01:12,0.010  
04/24/2015,13:02:12,0.011  
04/24/2015,13:03:12,0.011  
04/24/2015,13:04:12,0.010  
04/24/2015,13:05:12,0.010  
04/24/2015,13:06:12,0.010  
04/24/2015,13:07:12,0.010  
04/24/2015,13:08:12,0.010  
04/24/2015,13:09:12,0.010  
04/24/2015,13:10:12,0.011  
04/24/2015,13:11:12,0.011

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,04/27/2015  
Start Time:,08:01:33  
Duration (dd:hh:mm:ss):,0:07:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,28  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.013  
,Minimum:,0.005  
,Time of Minimum:,08:16:33  
,Date of Minimum:,04/27/2015  
,Maximum:,0.027  
,Time of Maximum:,14:01:33  
,Date of Maximum:,04/27/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/27/2015,08:16:33,0.005  
04/27/2015,08:31:33,0.005  
04/27/2015,08:46:33,0.005  
04/27/2015,09:01:33,0.007  
04/27/2015,09:16:33,0.008  
04/27/2015,09:31:33,0.009  
04/27/2015,09:46:33,0.012  
04/27/2015,10:01:33,0.011  
04/27/2015,10:16:33,0.011  
04/27/2015,10:31:33,0.012  
04/27/2015,10:46:33,0.014  
04/27/2015,11:01:33,0.020  
04/27/2015,11:16:33,0.012  
04/27/2015,11:31:33,0.013  
04/27/2015,11:46:33,0.011  
04/27/2015,12:01:33,0.011  
04/27/2015,12:16:33,0.015  
04/27/2015,12:31:33,0.013  
04/27/2015,12:46:33,0.009  
04/27/2015,13:01:33,0.011  
04/27/2015,13:16:33,0.014  
04/27/2015,13:31:33,0.017  
04/27/2015,13:46:33,0.019  
04/27/2015,14:01:33,0.027  
04/27/2015,14:16:33,0.024  
04/27/2015,14:31:33,0.024  
04/27/2015,14:46:33,0.014  
04/27/2015,15:01:33,0.015

15/04/27 08:14

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 4/27/2015 08:14:23  
 End 4/27/2015 15:19:47  
 Sample Period(s) 900  
 Number of Records 28  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 4.109  
 High Alarm 8.218  
 Over Alarm 15000.000  
 STEL Alarm 3.573  
 TWA Alarm 3.573  
 Measurement Gas Isobutylene  
 Calibration Time 4/27/2015 07:47  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	4/27/2015 08:29:23	0.001	0.118
002	4/27/2015 08:44:23	0.000	0.000
003	4/27/2015 08:59:23	0.000	0.000
004	4/27/2015 09:14:23	0.000	0.000
005	4/27/2015 09:29:23	0.000	0.000
006	4/27/2015 09:44:23	0.000	0.000
007	4/27/2015 09:59:23	0.000	0.000
008	4/27/2015 10:14:23	0.000	0.000
009	4/27/2015 10:29:23	0.000	0.000
010	4/27/2015 10:44:23	0.000	0.000
011	4/27/2015 10:59:23	0.000	0.000
012	4/27/2015 11:14:23	0.000	0.000
013	4/27/2015 11:29:23	0.000	0.000
014	4/27/2015 11:44:23	0.000	0.000
015	4/27/2015 11:59:23	0.000	0.000
016	4/27/2015 12:14:23	0.000	0.000
017	4/27/2015 12:29:23	0.000	0.000
018	4/27/2015 12:44:23	0.000	0.000
019	4/27/2015 12:59:23	0.000	0.000
020	4/27/2015 13:14:23	0.000	0.000
021	4/27/2015 13:29:23	0.000	0.000

4-27-15 Downwind-1 VOC.prs.txt

022	4/27/2015	13:44:23	0.000	0.000
023	4/27/2015	13:59:23	0.000	0.000
024	4/27/2015	14:14:23	0.000	0.000
025	4/27/2015	14:29:23	0.000	0.000
026	4/27/2015	14:44:23	0.000	0.000
027	4/27/2015	14:59:23	0.000	0.000
028	4/27/2015	15:14:23	0.000	0.000
Peak		0.001	0.118	
Min		0.000	0.000	
Average		0.000	0.004	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,006  
Test Abbreviation:,MANUAL\_006  
Start Date:,04/27/2015  
Start Time:,08:08:11  
Duration (dd:hh:mm:ss):,0:07:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,28  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.013  
,Minimum:,0.009  
,Time of Minimum:,08:38:11  
,Date of Minimum:,04/27/2015  
,Maximum:,0.016  
,Time of Maximum:,09:53:11  
,Date of Maximum:,04/27/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/27/2015,08:23:11,0.014  
04/27/2015,08:38:11,0.009  
04/27/2015,08:53:11,0.012  
04/27/2015,09:08:11,0.013  
04/27/2015,09:23:11,0.015  
04/27/2015,09:38:11,0.015  
04/27/2015,09:53:11,0.016  
04/27/2015,10:08:11,0.013  
04/27/2015,10:23:11,0.014  
04/27/2015,10:38:11,0.015  
04/27/2015,10:53:11,0.013  
04/27/2015,11:08:11,0.011  
04/27/2015,11:23:11,0.011  
04/27/2015,11:38:11,0.011  
04/27/2015,11:53:11,0.013  
04/27/2015,12:08:11,0.013  
04/27/2015,12:23:11,0.011  
04/27/2015,12:38:11,0.011  
04/27/2015,12:53:11,0.012  
04/27/2015,13:08:11,0.012  
04/27/2015,13:23:11,0.013  
04/27/2015,13:38:11,0.013  
04/27/2015,13:53:11,0.015  
04/27/2015,14:08:11,0.014  
04/27/2015,14:23:11,0.014  
04/27/2015,14:38:11,0.014  
04/27/2015,14:53:11,0.014  
04/27/2015,15:08:11,0.014



15/04/27 08:17

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 4/27/2015 08:17:00  
 End 4/27/2015 15:21:18  
 Sample Period(s) 900  
 Number of Records 28  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 50.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 100.000  
 TWA Alarm 10.869  
 Measurement Gas Isobutylene  
 Calibration Time 4/27/2015 07:44  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	4/27/2015 08:32:00	0.025	1.033
002	4/27/2015 08:47:00	0.000	0.000
003	4/27/2015 09:02:00	0.000	0.000
004	4/27/2015 09:17:00	0.000	0.000
005	4/27/2015 09:32:00	0.000	0.000
006	4/27/2015 09:47:00	0.000	0.000
007	4/27/2015 10:02:00	0.000	0.000
008	4/27/2015 10:17:00	0.000	0.000
009	4/27/2015 10:32:00	0.003	0.013
010	4/27/2015 10:47:00	0.007	0.014
011	4/27/2015 11:02:00	0.010	0.019
012	4/27/2015 11:17:00	0.006	0.013
013	4/27/2015 11:32:00	0.002	0.013
014	4/27/2015 11:47:00	0.000	0.005
015	4/27/2015 12:02:00	0.000	0.000
016	4/27/2015 12:17:00	0.000	0.000
017	4/27/2015 12:32:00	0.000	0.000
018	4/27/2015 12:47:00	0.000	0.000
019	4/27/2015 13:02:00	0.000	0.000
020	4/27/2015 13:17:00	0.000	0.000
021	4/27/2015 13:32:00	0.000	0.000

4-27-15 Downwind-2 VOC.prs.txt

022	4/27/2015	13:47:00	0.000	0.000
023	4/27/2015	14:02:00	0.000	0.000
024	4/27/2015	14:17:00	0.000	0.000
025	4/27/2015	14:32:00	0.000	0.000
026	4/27/2015	14:47:00	0.000	0.000
027	4/27/2015	15:02:00	0.000	0.000
028	4/27/2015	15:17:00	0.000	0.000
Peak		0.025	1.033	
Min		0.000	0.000	
Average		0.002	0.040	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530143315  
Test ID:.,001  
Test Abbreviation:.,MANUAL\_001  
Start Date:.,04/27/2015  
Start Time:.,08:21:06  
Duration (dd:hh:mm:ss):.,0:06:45:00  
Log Interval (mm:ss):.,15:00  
Number of points:.,27  
Notes:.,

Statistics,Channel:.,AEROSOL  
,Units:.,mg/m<sup>3</sup>  
,Average:.,0.006  
,Minimum:.,0.003  
,Time of Minimum:.,08:51:06  
,Date of Minimum:.,04/27/2015  
,Maximum:.,0.009  
,Time of Maximum:.,15:06:06  
,Date of Maximum:.,04/27/2015

Calibration,Sensor:.,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
04/27/2015,08:36:06,0.006  
04/27/2015,08:51:06,0.003  
04/27/2015,09:06:06,0.003  
04/27/2015,09:21:06,0.004  
04/27/2015,09:36:06,0.005  
04/27/2015,09:51:06,0.005  
04/27/2015,10:06:06,0.006  
04/27/2015,10:21:06,0.006  
04/27/2015,10:36:06,0.006  
04/27/2015,10:51:06,0.006  
04/27/2015,11:06:06,0.006  
04/27/2015,11:21:06,0.006  
04/27/2015,11:36:06,0.005  
04/27/2015,11:51:06,0.006  
04/27/2015,12:06:06,0.006  
04/27/2015,12:21:06,0.005  
04/27/2015,12:36:06,0.005  
04/27/2015,12:51:06,0.005  
04/27/2015,13:06:06,0.005  
04/27/2015,13:21:06,0.006  
04/27/2015,13:36:06,0.007  
04/27/2015,13:51:06,0.008  
04/27/2015,14:06:06,0.007  
04/27/2015,14:21:06,0.007  
04/27/2015,14:36:06,0.007  
04/27/2015,14:51:06,0.008  
04/27/2015,15:06:06,0.009

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530143315  
Test ID:.,001  
Test Abbreviation:.,MANUAL\_001\_A  
Start Date:.,04/27/2015

4-27-15 Upwind Dust.txt

Start Time:,08:21:08  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.006  
,Minimum:,0.002  
,Time of Minimum:,08:23:08  
,Date of Minimum:,04/27/2015  
,Maximum:,0.062  
,Time of Maximum:,08:22:08  
,Date of Maximum:,04/27/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/27/2015,08:22:08,0.062  
04/27/2015,08:23:08,0.002  
04/27/2015,08:24:08,0.002  
04/27/2015,08:25:08,0.002  
04/27/2015,08:26:08,0.002  
04/27/2015,08:27:08,0.002  
04/27/2015,08:28:08,0.002  
04/27/2015,08:29:08,0.002  
04/27/2015,08:30:08,0.002  
04/27/2015,08:31:08,0.002  
04/27/2015,08:32:08,0.003  
04/27/2015,08:33:08,0.002  
04/27/2015,08:34:08,0.003  
04/27/2015,08:35:08,0.002  
04/27/2015,08:36:08,0.002

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,04/28/2015  
Start Time:,07:48:44  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.020  
,Minimum:,0.013  
,Time of Minimum:,12:18:44  
,Date of Minimum:,04/28/2015  
,Maximum:,0.028  
,Time of Maximum:,14:18:44  
,Date of Maximum:,04/28/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/28/2015,08:03:44,0.020  
04/28/2015,08:18:44,0.019  
04/28/2015,08:33:44,0.018  
04/28/2015,08:48:44,0.019  
04/28/2015,09:03:44,0.021  
04/28/2015,09:18:44,0.019  
04/28/2015,09:33:44,0.020  
04/28/2015,09:48:44,0.018  
04/28/2015,10:03:44,0.019  
04/28/2015,10:18:44,0.020  
04/28/2015,10:33:44,0.022  
04/28/2015,10:48:44,0.024  
04/28/2015,11:03:44,0.019  
04/28/2015,11:18:44,0.020  
04/28/2015,11:33:44,0.017  
04/28/2015,11:48:44,0.015  
04/28/2015,12:03:44,0.015  
04/28/2015,12:18:44,0.013  
04/28/2015,12:33:44,0.015  
04/28/2015,12:48:44,0.018  
04/28/2015,13:03:44,0.021  
04/28/2015,13:18:44,0.020  
04/28/2015,13:33:44,0.017  
04/28/2015,13:48:44,0.017  
04/28/2015,14:03:44,0.020  
04/28/2015,14:18:44,0.028  
04/28/2015,14:33:44,0.025  
04/28/2015,14:48:44,0.027  
04/28/2015,15:03:44,0.026  
04/28/2015,15:18:44,0.025

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112

Test ID:,002  
Test Abbreviation:,MANUAL\_002\_A  
Start Date:,04/28/2015  
Start Time:,07:48:45  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.020  
,Minimum:,0.014  
,Time of Minimum:,07:54:45  
,Date of Minimum:,04/28/2015  
,Maximum:,0.037  
,Time of Maximum:,07:49:45  
,Date of Maximum:,04/28/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/28/2015,07:49:45,0.037  
04/28/2015,07:50:45,0.019  
04/28/2015,07:51:45,0.019  
04/28/2015,07:52:45,0.023  
04/28/2015,07:53:45,0.017  
04/28/2015,07:54:45,0.014  
04/28/2015,07:55:45,0.019  
04/28/2015,07:56:45,0.019  
04/28/2015,07:57:45,0.020  
04/28/2015,07:58:45,0.020  
04/28/2015,07:59:45,0.024  
04/28/2015,08:00:45,0.018  
04/28/2015,08:01:45,0.022  
04/28/2015,08:02:45,0.015  
04/28/2015,08:03:45,0.015

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_B  
Start Date:,04/28/2015  
Start Time:,14:12:52  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.027  
,Minimum:,0.019  
,Time of Minimum:,14:17:52  
,Date of Minimum:,04/28/2015  
,Maximum:,0.065  
,Time of Maximum:,14:13:52  
,Date of Maximum:,04/28/2015

Calibration,Sensor:,AEROSOL

,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
04/28/2015,14:13:52,0.065  
04/28/2015,14:14:52,0.031  
04/28/2015,14:15:52,0.033  
04/28/2015,14:16:52,0.027  
04/28/2015,14:17:52,0.019  
04/28/2015,14:18:52,0.021  
04/28/2015,14:19:52,0.023  
04/28/2015,14:20:52,0.020  
04/28/2015,14:21:52,0.026  
04/28/2015,14:22:52,0.026  
04/28/2015,14:23:52,0.019  
04/28/2015,14:24:52,0.021  
04/28/2015,14:25:52,0.023  
04/28/2015,14:26:52,0.030  
04/28/2015,14:27:52,0.024

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_C  
Start Date:,04/28/2015  
Start Time:,14:40:44  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.027  
,Minimum:,0.013  
,Time of Minimum:,14:47:44  
,Date of Minimum:,04/28/2015  
,Maximum:,0.050  
,Time of Maximum:,14:41:44  
,Date of Maximum:,04/28/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
04/28/2015,14:41:44,0.050  
04/28/2015,14:42:44,0.041  
04/28/2015,14:43:44,0.020  
04/28/2015,14:44:44,0.025  
04/28/2015,14:45:44,0.029  
04/28/2015,14:46:44,0.029  
04/28/2015,14:47:44,0.013  
04/28/2015,14:48:44,0.014  
04/28/2015,14:49:44,0.017  
04/28/2015,14:50:44,0.030  
04/28/2015,14:51:44,0.035  
04/28/2015,14:52:44,0.018  
04/28/2015,14:53:44,0.017  
04/28/2015,14:54:44,0.028  
04/28/2015,14:55:44,0.032

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_D  
Start Date:,04/28/2015  
Start Time:,14:57:00  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.026  
,Minimum:,0.011  
,Time of Minimum:,15:03:00  
,Date of Minimum:,04/28/2015  
,Maximum:,0.070  
,Time of Maximum:,14:58:00  
,Date of Maximum:,04/28/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/28/2015,14:58:00,0.070  
04/28/2015,14:59:00,0.018  
04/28/2015,15:00:00,0.022  
04/28/2015,15:01:00,0.022  
04/28/2015,15:02:00,0.019  
04/28/2015,15:03:00,0.011  
04/28/2015,15:04:00,0.011  
04/28/2015,15:05:00,0.052  
04/28/2015,15:06:00,0.024  
04/28/2015,15:07:00,0.013  
04/28/2015,15:08:00,0.015  
04/28/2015,15:09:00,0.024  
04/28/2015,15:10:00,0.030  
04/28/2015,15:11:00,0.022  
04/28/2015,15:12:00,0.036



15/04/28 08:01

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 4/28/2015 08:01:44  
 End 4/28/2015 15:45:37  
 Sample Period(s) 900  
 Number of Records 30  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 4.109  
 High Alarm 8.218  
 Over Alarm 15000.000  
 STEL Alarm 3.573  
 TWA Alarm 3.573  
 Measurement Gas Isobutylene  
 Calibration Time 4/28/2015 07:44  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	4/28/2015 08:16:44	0.004	0.223
002	4/28/2015 08:31:44	0.000	0.000
003	4/28/2015 08:46:44	0.000	0.000
004	4/28/2015 09:01:44	0.000	0.000
005	4/28/2015 09:16:44	0.000	0.000
006	4/28/2015 09:31:44	0.000	0.000
007	4/28/2015 09:46:44	0.000	0.000
008	4/28/2015 10:01:44	0.000	0.000
009	4/28/2015 10:16:44	0.000	0.000
010	4/28/2015 10:31:44	0.000	0.000
011	4/28/2015 10:46:44	0.000	0.000
012	4/28/2015 11:01:44	0.000	0.000
013	4/28/2015 11:16:44	0.014	0.176
014	4/28/2015 11:31:44	0.011	0.099
015	4/28/2015 11:46:44	0.002	0.131
016	4/28/2015 12:01:44	0.000	0.000
017	4/28/2015 12:16:44	0.000	0.012
018	4/28/2015 12:31:44	0.001	0.044
019	4/28/2015 12:46:44	0.011	0.079
020	4/28/2015 13:01:44	0.153	0.513
021	4/28/2015 13:16:44	0.376	0.488

4-28-15 Downwind-1 VOC.prs.txt

022	4/28/2015	13:31:44	0.413	0.519
023	4/28/2015	13:46:44	0.420	0.515
024	4/28/2015	14:01:44	0.421	0.520
025	4/28/2015	14:16:44	0.426	0.589
026	4/28/2015	14:31:44	0.436	0.815
027	4/28/2015	14:46:44	0.400	0.510
028	4/28/2015	15:01:44	0.449	0.807
029	4/28/2015	15:16:44	0.471	0.987
030	4/28/2015	15:31:44	0.480	1.056
Peak			0.480	1.056
Min			0.000	0.000
Average			0.150	0.269

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,04/28/2015  
Start Time:,07:55:24  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.013  
,Minimum:,0.008  
,Time of Minimum:,12:40:24  
,Date of Minimum:,04/28/2015  
,Maximum:,0.024  
,Time of Maximum:,08:10:24  
,Date of Maximum:,04/28/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
04/28/2015,08:10:24,0.024  
04/28/2015,08:25:24,0.018  
04/28/2015,08:40:24,0.015  
04/28/2015,08:55:24,0.014  
04/28/2015,09:10:24,0.016  
04/28/2015,09:25:24,0.015  
04/28/2015,09:40:24,0.017  
04/28/2015,09:55:24,0.015  
04/28/2015,10:10:24,0.018  
04/28/2015,10:25:24,0.016  
04/28/2015,10:40:24,0.016  
04/28/2015,10:55:24,0.014  
04/28/2015,11:10:24,0.012  
04/28/2015,11:25:24,0.012  
04/28/2015,11:40:24,0.011  
04/28/2015,11:55:24,0.009  
04/28/2015,12:10:24,0.010  
04/28/2015,12:25:24,0.009  
04/28/2015,12:40:24,0.008  
04/28/2015,12:55:24,0.011  
04/28/2015,13:10:24,0.012  
04/28/2015,13:25:24,0.011  
04/28/2015,13:40:24,0.011  
04/28/2015,13:55:24,0.011  
04/28/2015,14:10:24,0.010  
04/28/2015,14:25:24,0.011  
04/28/2015,14:40:24,0.011  
04/28/2015,14:55:24,0.010  
04/28/2015,15:10:24,0.010  
04/28/2015,15:25:24,0.011

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515

Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,04/28/2015  
Start Time:,07:55:25  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.024  
,Minimum:,0.015  
,Time of Minimum:,08:06:25  
,Date of Minimum:,04/28/2015  
,Maximum:,0.044  
,Time of Maximum:,08:00:25  
,Date of Maximum:,04/28/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/28/2015,07:56:25,0.030  
04/28/2015,07:57:25,0.020  
04/28/2015,07:58:25,0.020  
04/28/2015,07:59:25,0.034  
04/28/2015,08:00:25,0.044  
04/28/2015,08:01:25,0.017  
04/28/2015,08:02:25,0.016  
04/28/2015,08:03:25,0.024  
04/28/2015,08:04:25,0.023  
04/28/2015,08:05:25,0.034  
04/28/2015,08:06:25,0.015  
04/28/2015,08:07:25,0.020  
04/28/2015,08:08:25,0.018  
04/28/2015,08:09:25,0.016  
04/28/2015,08:10:25,0.028

15/04/28 08:04

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 4/28/2015 08:04:19  
 End 4/28/2015 15:47:05  
 Sample Period(s) 900  
 Number of Records 30  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 50.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 100.000  
 TWA Alarm 10.869  
 Measurement Gas Isobutylene  
 Calibration Time 4/28/2015 07:44  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	4/28/2015 08:19:19	0.045	1.611
002	4/28/2015 08:34:19	0.000	0.000
003	4/28/2015 08:49:19	0.000	0.000
004	4/28/2015 09:04:19	0.000	0.000
005	4/28/2015 09:19:19	0.000	0.000
006	4/28/2015 09:34:19	0.000	0.000
007	4/28/2015 09:49:19	0.000	0.000
008	4/28/2015 10:04:19	0.000	0.000
009	4/28/2015 10:19:19	0.000	0.000
010	4/28/2015 10:34:19	0.000	0.000
011	4/28/2015 10:49:19	0.000	0.000
012	4/28/2015 11:04:19	0.000	0.000
013	4/28/2015 11:19:19	0.000	0.000
014	4/28/2015 11:34:19	0.002	0.011
015	4/28/2015 11:49:19	0.014	0.020
016	4/28/2015 12:04:19	0.007	0.018
017	4/28/2015 12:19:19	0.000	0.000
018	4/28/2015 12:34:19	0.000	0.000
019	4/28/2015 12:49:19	0.000	0.000
020	4/28/2015 13:04:19	0.000	0.000
021	4/28/2015 13:19:19	0.000	0.000

4-28-15 Downwind-2 VOC.prs.txt				
022	4/28/2015	13:34:19	0.000	0.000
023	4/28/2015	13:49:19	0.000	0.000
024	4/28/2015	14:04:19	0.000	0.000
025	4/28/2015	14:19:19	0.000	0.000
026	4/28/2015	14:34:19	0.000	0.000
027	4/28/2015	14:49:19	0.000	0.000
028	4/28/2015	15:04:19	0.000	0.000
029	4/28/2015	15:19:19	0.000	0.000
030	4/28/2015	15:34:19	0.000	0.000
Peak		0.045	1.611	
Min		0.000	0.000	
Average		0.002	0.055	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,04/28/2015  
Start Time:,08:01:10  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.015  
,Minimum:,0.009  
,Time of Minimum:,12:31:10  
,Date of Minimum:,04/28/2015  
,Maximum:,0.033  
,Time of Maximum:,08:16:10  
,Date of Maximum:,04/28/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/28/2015,08:16:10,0.033  
04/28/2015,08:31:10,0.012  
04/28/2015,08:46:10,0.013  
04/28/2015,09:01:10,0.014  
04/28/2015,09:16:10,0.014  
04/28/2015,09:31:10,0.014  
04/28/2015,09:46:10,0.014  
04/28/2015,10:01:10,0.014  
04/28/2015,10:16:10,0.017  
04/28/2015,10:31:10,0.020  
04/28/2015,10:46:10,0.019  
04/28/2015,11:01:10,0.017  
04/28/2015,11:16:10,0.015  
04/28/2015,11:31:10,0.013  
04/28/2015,11:46:10,0.012  
04/28/2015,12:01:10,0.010  
04/28/2015,12:16:10,0.010  
04/28/2015,12:31:10,0.009  
04/28/2015,12:46:10,0.011  
04/28/2015,13:01:10,0.017  
04/28/2015,13:16:10,0.015  
04/28/2015,13:31:10,0.013  
04/28/2015,13:46:10,0.012  
04/28/2015,14:01:10,0.012  
04/28/2015,14:16:10,0.015  
04/28/2015,14:31:10,0.016  
04/28/2015,14:46:10,0.022  
04/28/2015,15:01:10,0.012  
04/28/2015,15:16:10,0.013  
04/28/2015,15:31:10,0.012

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315

4-28-15 Upwind Dust.txt

Test ID:,002  
Test Abbreviation:,MANUAL\_002\_A  
Start Date:,04/28/2015  
Start Time:,08:01:11  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.033  
,Minimum:,0.011  
,Time of Minimum:,08:05:11  
,Date of Minimum:,04/28/2015  
,Maximum:,0.332  
,Time of Maximum:,08:02:11  
,Date of Maximum:,04/28/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/28/2015,08:02:11,0.332  
04/28/2015,08:03:11,0.012  
04/28/2015,08:04:11,0.012  
04/28/2015,08:05:11,0.011  
04/28/2015,08:06:11,0.011  
04/28/2015,08:07:11,0.011  
04/28/2015,08:08:11,0.011  
04/28/2015,08:09:11,0.011  
04/28/2015,08:10:11,0.012  
04/28/2015,08:11:11,0.011  
04/28/2015,08:12:11,0.012  
04/28/2015,08:13:11,0.012  
04/28/2015,08:14:11,0.011  
04/28/2015,08:15:11,0.012  
04/28/2015,08:16:11,0.012

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_B  
Start Date:,04/28/2015  
Start Time:,14:13:46  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.016  
,Minimum:,0.012  
,Time of Minimum:,14:17:46  
,Date of Minimum:,04/28/2015  
,Maximum:,0.022  
,Time of Maximum:,14:27:46  
,Date of Maximum:,04/28/2015

Calibration,Sensor:,AEROSOL



,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m^3  
04/28/2015,14:14:46,0.021  
04/28/2015,14:15:46,0.021  
04/28/2015,14:16:46,0.017  
04/28/2015,14:17:46,0.012  
04/28/2015,14:18:46,0.016  
04/28/2015,14:19:46,0.014  
04/28/2015,14:20:46,0.020  
04/28/2015,14:21:46,0.012  
04/28/2015,14:22:46,0.012  
04/28/2015,14:23:46,0.012  
04/28/2015,14:24:46,0.013  
04/28/2015,14:25:46,0.013  
04/28/2015,14:26:46,0.015  
04/28/2015,14:27:46,0.022  
04/28/2015,14:28:46,0.015

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_C  
Start Date:,04/28/2015  
Start Time:,14:29:46  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m^3  
,Average:,0.022  
,Minimum:,0.012  
,Time of Minimum:,14:34:46  
,Date of Minimum:,04/28/2015  
,Maximum:,0.054  
,Time of Maximum:,14:43:46  
,Date of Maximum:,04/28/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m^3  
04/28/2015,14:30:46,0.034  
04/28/2015,14:31:46,0.013  
04/28/2015,14:32:46,0.013  
04/28/2015,14:33:46,0.013  
04/28/2015,14:34:46,0.012  
04/28/2015,14:35:46,0.012  
04/28/2015,14:36:46,0.012  
04/28/2015,14:37:46,0.013  
04/28/2015,14:38:46,0.012  
04/28/2015,14:39:46,0.014  
04/28/2015,14:40:46,0.012  
04/28/2015,14:41:46,0.022  
04/28/2015,14:42:46,0.047  
04/28/2015,14:43:46,0.054  
04/28/2015,14:44:46,0.046

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,04/29/2015  
Start Time:,07:55:31  
Duration (dd:hh:mm:ss):,0:07:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,28  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.026  
,Minimum:,0.014  
,Time of Minimum:,14:55:31  
,Date of Minimum:,04/29/2015  
,Maximum:,0.044  
,Time of Maximum:,08:25:31  
,Date of Maximum:,04/29/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/29/2015,08:10:31,0.040  
04/29/2015,08:25:31,0.044  
04/29/2015,08:40:31,0.033  
04/29/2015,08:55:31,0.031  
04/29/2015,09:10:31,0.030  
04/29/2015,09:25:31,0.033  
04/29/2015,09:40:31,0.028  
04/29/2015,09:55:31,0.032  
04/29/2015,10:10:31,0.037  
04/29/2015,10:25:31,0.031  
04/29/2015,10:40:31,0.027  
04/29/2015,10:55:31,0.027  
04/29/2015,11:10:31,0.025  
04/29/2015,11:25:31,0.025  
04/29/2015,11:40:31,0.024  
04/29/2015,11:55:31,0.023  
04/29/2015,12:10:31,0.026  
04/29/2015,12:25:31,0.024  
04/29/2015,12:40:31,0.022  
04/29/2015,12:55:31,0.018  
04/29/2015,13:10:31,0.017  
04/29/2015,13:25:31,0.017  
04/29/2015,13:40:31,0.017  
04/29/2015,13:55:31,0.024  
04/29/2015,14:10:31,0.024  
04/29/2015,14:25:31,0.018  
04/29/2015,14:40:31,0.017  
04/29/2015,14:55:31,0.014

4-29-15 Downwind-1 VOC.prs

15/04/29 08:08

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 4/29/2015 08:08:40  
 End 4/29/2015 15:12:32  
 Sample Period(s) 900  
 Number of Records 28  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 4.109  
 High Alarm 8.218  
 Over Alarm 15000.000  
 STEL Alarm 3.573  
 TWA Alarm 3.573  
 Measurement Gas Isobutylene  
 Calibration Time 4/29/2015 07:44  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	4/29/2015 08:23:40	0.000	0.052
002	4/29/2015 08:38:40	0.000	0.000
003	4/29/2015 08:53:40	0.000	0.000
004	4/29/2015 09:08:40	0.000	0.000
005	4/29/2015 09:23:40	0.000	0.000
006	4/29/2015 09:38:40	0.000	0.000
007	4/29/2015 09:53:40	0.000	0.000
008	4/29/2015 10:08:40	0.000	0.047
009	4/29/2015 10:23:40	0.000	0.052
010	4/29/2015 10:38:40	0.000	0.000
011	4/29/2015 10:53:40	0.000	0.000
012	4/29/2015 11:08:40	0.001	0.033
013	4/29/2015 11:23:40	0.128	0.198
014	4/29/2015 11:38:40	0.206	0.264
015	4/29/2015 11:53:40	0.238	0.490
016	4/29/2015 12:08:40	0.259	0.384
017	4/29/2015 12:23:40	0.297	0.508
018	4/29/2015 12:38:40	0.367	0.717
019	4/29/2015 12:53:40	0.474	0.737
020	4/29/2015 13:08:40	0.508	0.841
021	4/29/2015 13:23:40	0.530	0.741
022	4/29/2015 13:38:40	0.572	0.760
023	4/29/2015 13:53:40	0.591	0.862
024	4/29/2015 14:08:40	0.646	1.385
025	4/29/2015 14:23:40	0.655	1.080

4-29-15 Downwind-1 VOC.prs

026	4/29/2015	14:38:40	0.567	0.847
027	4/29/2015	14:53:40	0.497	0.707
028	4/29/2015	15:08:40	0.500	0.607
Peak		0.655	1.385	
Min		0.000	0.000	
Average		0.251	0.404	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,04/29/2015  
Start Time:,07:56:56  
Duration (dd:hh:mm:ss):,0:07:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,28  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.022  
,Minimum:,0.010  
,Time of Minimum:,14:56:56  
,Date of Minimum:,04/29/2015  
,Maximum:,0.042  
,Time of Maximum:,08:11:56  
,Date of Maximum:,04/29/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/29/2015,08:11:56,0.042  
04/29/2015,08:26:56,0.034  
04/29/2015,08:41:56,0.030  
04/29/2015,08:56:56,0.028  
04/29/2015,09:11:56,0.027  
04/29/2015,09:26:56,0.025  
04/29/2015,09:41:56,0.024  
04/29/2015,09:56:56,0.025  
04/29/2015,10:11:56,0.038  
04/29/2015,10:26:56,0.026  
04/29/2015,10:41:56,0.021  
04/29/2015,10:56:56,0.020  
04/29/2015,11:11:56,0.018  
04/29/2015,11:26:56,0.017  
04/29/2015,11:41:56,0.019  
04/29/2015,11:56:56,0.016  
04/29/2015,12:11:56,0.021  
04/29/2015,12:26:56,0.020  
04/29/2015,12:41:56,0.017  
04/29/2015,12:56:56,0.014  
04/29/2015,13:11:56,0.014  
04/29/2015,13:26:56,0.015  
04/29/2015,13:41:56,0.021  
04/29/2015,13:56:56,0.023  
04/29/2015,14:11:56,0.022  
04/29/2015,14:26:56,0.014  
04/29/2015,14:41:56,0.014  
04/29/2015,14:56:56,0.010

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_A  
Start Date:,04/29/2015  
Start Time:,07:56:57  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00

Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.042  
,Minimum:,0.030  
,Time of Minimum:,08:04:57  
,Date of Minimum:,04/29/2015  
,Maximum:,0.065  
,Time of Maximum:,07:59:57  
,Date of Maximum:,04/29/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
04/29/2015,07:57:57,0.061  
04/29/2015,07:58:57,0.038  
04/29/2015,07:59:57,0.065  
04/29/2015,08:00:57,0.035  
04/29/2015,08:01:57,0.038  
04/29/2015,08:02:57,0.038  
04/29/2015,08:03:57,0.031  
04/29/2015,08:04:57,0.030  
04/29/2015,08:05:57,0.036  
04/29/2015,08:06:57,0.041  
04/29/2015,08:07:57,0.048  
04/29/2015,08:08:57,0.042  
04/29/2015,08:09:57,0.048  
04/29/2015,08:10:57,0.040  
04/29/2015,08:11:57,0.032

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_B  
Start Date:,04/29/2015  
Start Time:,13:49:33  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.021  
,Minimum:,0.009  
,Time of Minimum:,14:02:33  
,Date of Minimum:,04/29/2015  
,Maximum:,0.042  
,Time of Maximum:,13:57:33  
,Date of Maximum:,04/29/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
04/29/2015,13:50:33,0.035  
04/29/2015,13:51:33,0.013  
04/29/2015,13:52:33,0.013  
04/29/2015,13:53:33,0.014  
04/29/2015,13:54:33,0.013  
04/29/2015,13:55:33,0.024

4-29-15 Downwind-2 Dust

04/29/2015,13:56:33,0.037  
04/29/2015,13:57:33,0.042  
04/29/2015,13:58:33,0.030  
04/29/2015,13:59:33,0.016  
04/29/2015,14:00:33,0.019  
04/29/2015,14:01:33,0.016  
04/29/2015,14:02:33,0.009  
04/29/2015,14:03:33,0.011  
04/29/2015,14:04:33,0.021

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_C  
Start Date:,04/29/2015  
Start Time:,14:06:25  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.018  
,Minimum:,0.010  
,Time of Minimum:,14:15:25  
,Date of Minimum:,04/29/2015  
,Maximum:,0.060  
,Time of Maximum:,14:07:25  
,Date of Maximum:,04/29/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/29/2015,14:07:25,0.060  
04/29/2015,14:08:25,0.016  
04/29/2015,14:09:25,0.012  
04/29/2015,14:10:25,0.023  
04/29/2015,14:11:25,0.015  
04/29/2015,14:12:25,0.017  
04/29/2015,14:13:25,0.013  
04/29/2015,14:14:25,0.014  
04/29/2015,14:15:25,0.010  
04/29/2015,14:16:25,0.012  
04/29/2015,14:17:25,0.014  
04/29/2015,14:18:25,0.015  
04/29/2015,14:19:25,0.017  
04/29/2015,14:20:25,0.019  
04/29/2015,14:21:25,0.014

15/04/29 08:06

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 4/29/2015 08:06:02  
 End 4/29/2015 15:14:00  
 Sample Period(s) 900  
 Number of Records 28  
 -----

Sensor VOC(ppm)  
 Span 43.476  
 Span 2 N/A  
 Low Alarm 21.738  
 High Alarm 43.476  
 Over Alarm 15000.000  
 STEL Alarm 43.476  
 TWA Alarm 4.725  
 Measurement Gas Isobutylene  
 Calibration Time 4/29/2015 07:46  
 Peak N/A  
 Min N/A  
 Average N/A

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	4/29/2015 08:21:02	0.053	1.597
002	4/29/2015 08:36:02	0.000	0.000
003	4/29/2015 08:51:02	0.000	0.000
004	4/29/2015 09:06:02	0.000	0.000
005	4/29/2015 09:21:02	0.000	0.000
006	4/29/2015 09:36:02	0.000	0.000
007	4/29/2015 09:51:02	0.000	0.000
008	4/29/2015 10:06:02	0.000	0.000
009	4/29/2015 10:21:02	0.002	0.016
010	4/29/2015 10:36:02	0.000	0.000
011	4/29/2015 10:51:02	0.000	0.000
012	4/29/2015 11:06:02	0.000	0.000
013	4/29/2015 11:21:02	0.000	0.000
014	4/29/2015 11:36:02	0.000	0.000
015	4/29/2015 11:51:02	0.000	0.000
016	4/29/2015 12:06:02	0.000	0.000
017	4/29/2015 12:21:02	0.000	0.000
018	4/29/2015 12:36:02	0.000	0.000
019	4/29/2015 12:51:02	0.001	0.007
020	4/29/2015 13:06:02	0.001	0.007
021	4/29/2015 13:21:02	0.000	0.000
022	4/29/2015 13:36:02	0.000	0.000
023	4/29/2015 13:51:02	0.000	0.000
024	4/29/2015 14:06:02	0.000	0.015
025	4/29/2015 14:21:02	0.000	0.009



4-29-15 Downwind-2 VOC.prs

026	4/29/2015	14:36:02	0.000	0.000
027	4/29/2015	14:51:02	0.000	0.000
028	4/29/2015	15:06:02	0.005	0.015
Peak		0.053	1.597	
Min		0.000	0.000	
Average		0.002	0.059	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,04/29/2015  
Start Time:,08:04:22  
Duration (dd:hh:mm:ss):,0:07:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,28  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.022  
,Minimum:,0.012  
,Time of Minimum:,14:49:22  
,Date of Minimum:,04/29/2015  
,Maximum:,0.047  
,Time of Maximum:,08:19:22  
,Date of Maximum:,04/29/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
04/29/2015,08:19:22,0.047  
04/29/2015,08:34:22,0.029  
04/29/2015,08:49:22,0.027  
04/29/2015,09:04:22,0.026  
04/29/2015,09:19:22,0.026  
04/29/2015,09:34:22,0.026  
04/29/2015,09:49:22,0.024  
04/29/2015,10:04:22,0.029  
04/29/2015,10:19:22,0.030  
04/29/2015,10:34:22,0.028  
04/29/2015,10:49:22,0.024  
04/29/2015,11:04:22,0.024  
04/29/2015,11:19:22,0.023  
04/29/2015,11:34:22,0.021  
04/29/2015,11:49:22,0.019  
04/29/2015,12:04:22,0.018  
04/29/2015,12:19:22,0.037  
04/29/2015,12:34:22,0.022  
04/29/2015,12:49:22,0.015  
04/29/2015,13:04:22,0.015  
04/29/2015,13:19:22,0.015  
04/29/2015,13:34:22,0.015  
04/29/2015,13:49:22,0.015  
04/29/2015,14:04:22,0.014  
04/29/2015,14:19:22,0.014  
04/29/2015,14:34:22,0.013  
04/29/2015,14:49:22,0.012  
04/29/2015,15:04:22,0.012

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_A  
Start Date:,04/29/2015  
Start Time:,08:04:23  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00

4-29-15 Upwind Dust

Number of points:,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.047  
,Minimum: ,0.030  
,Time of Minimum: ,08:06:23  
,Date of Minimum: ,04/29/2015  
,Maximum: ,0.285  
,Time of Maximum: ,08:05:23  
,Date of Maximum: ,04/29/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
04/29/2015,08:05:23,0.285  
04/29/2015,08:06:23,0.030  
04/29/2015,08:07:23,0.030  
04/29/2015,08:08:23,0.030  
04/29/2015,08:09:23,0.030  
04/29/2015,08:10:23,0.030  
04/29/2015,08:11:23,0.030  
04/29/2015,08:12:23,0.030  
04/29/2015,08:13:23,0.030  
04/29/2015,08:14:23,0.030  
04/29/2015,08:15:23,0.030  
04/29/2015,08:16:23,0.030  
04/29/2015,08:17:23,0.030  
04/29/2015,08:18:23,0.030  
04/29/2015,08:19:23,0.030

Model: ,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530143315  
Test ID: ,003  
Test Abbreviation: ,MANUAL\_003\_B  
Start Date: ,04/29/2015  
Start Time: ,12:13:21  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.036  
,Minimum: ,0.016  
,Time of Minimum: ,12:24:21  
,Date of Minimum: ,04/29/2015  
,Maximum: ,0.145  
,Time of Maximum: ,12:14:21  
,Date of Maximum: ,04/29/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
04/29/2015,12:14:21,0.145  
04/29/2015,12:15:21,0.049  
04/29/2015,12:16:21,0.089  
04/29/2015,12:17:21,0.034  
04/29/2015,12:18:21,0.020  
04/29/2015,12:19:21,0.022

4-29-15 Upwind Dust

04/29/2015,12:20:21,0.019  
04/29/2015,12:21:21,0.036  
04/29/2015,12:22:21,0.020  
04/29/2015,12:23:21,0.017  
04/29/2015,12:24:21,0.016  
04/29/2015,12:25:21,0.019  
04/29/2015,12:26:21,0.023  
04/29/2015,12:27:21,0.016  
04/29/2015,12:28:21,0.016

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,04/30/2015  
Start Time:,07:47:32  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.039  
,Minimum:,0.011  
,Time of Minimum:,14:02:32  
,Date of Minimum:,04/30/2015  
,Maximum:,0.081  
,Time of Maximum:,08:47:32  
,Date of Maximum:,04/30/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/30/2015,08:02:32,0.064  
04/30/2015,08:17:32,0.073  
04/30/2015,08:32:32,0.079  
04/30/2015,08:47:32,0.081  
04/30/2015,09:02:32,0.079  
04/30/2015,09:17:32,0.072  
04/30/2015,09:32:32,0.067  
04/30/2015,09:47:32,0.053  
04/30/2015,10:02:32,0.051  
04/30/2015,10:17:32,0.046  
04/30/2015,10:32:32,0.042  
04/30/2015,10:47:32,0.040  
04/30/2015,11:02:32,0.036  
04/30/2015,11:17:32,0.036  
04/30/2015,11:32:32,0.032  
04/30/2015,11:47:32,0.030  
04/30/2015,12:02:32,0.026  
04/30/2015,12:17:32,0.028  
04/30/2015,12:32:32,0.024  
04/30/2015,12:47:32,0.025  
04/30/2015,13:02:32,0.018  
04/30/2015,13:17:32,0.017  
04/30/2015,13:32:32,0.013  
04/30/2015,13:47:32,0.012  
04/30/2015,14:02:32,0.011  
04/30/2015,14:17:32,0.015  
04/30/2015,14:32:32,0.014  
04/30/2015,14:47:32,0.019  
04/30/2015,15:02:32,0.018

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_A  
Start Date:,04/30/2015  
Start Time:,12:44:02  
Duration (dd:hh:mm:ss):,0:00:15:00

4-30-15 Downwind-1 Dust

Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.020  
,Minimum:,0.016  
,Time of Minimum:,12:51:02  
,Date of Minimum:,04/30/2015  
,Maximum:,0.042  
,Time of Maximum:,12:45:02  
,Date of Maximum:,04/30/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/30/2015,12:45:02,0.042  
04/30/2015,12:46:02,0.019  
04/30/2015,12:47:02,0.017  
04/30/2015,12:48:02,0.017  
04/30/2015,12:49:02,0.017  
04/30/2015,12:50:02,0.017  
04/30/2015,12:51:02,0.016  
04/30/2015,12:52:02,0.021  
04/30/2015,12:53:02,0.017  
04/30/2015,12:54:02,0.019  
04/30/2015,12:55:02,0.018  
04/30/2015,12:56:02,0.019  
04/30/2015,12:57:02,0.022  
04/30/2015,12:58:02,0.018  
04/30/2015,12:59:02,0.016

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_B  
Start Date:,04/30/2015  
Start Time:,14:11:53  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.015  
,Minimum:,0.010  
,Time of Minimum:,14:15:53  
,Date of Minimum:,04/30/2015  
,Maximum:,0.030  
,Time of Maximum:,14:12:53  
,Date of Maximum:,04/30/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/30/2015,14:12:53,0.030  
04/30/2015,14:13:53,0.013  
04/30/2015,14:14:53,0.015  
04/30/2015,14:15:53,0.010  
04/30/2015,14:16:53,0.012

4-30-15 Downwind-1 Dust

04/30/2015,14:17:53,0.010  
04/30/2015,14:18:53,0.013  
04/30/2015,14:19:53,0.013  
04/30/2015,14:20:53,0.018  
04/30/2015,14:21:53,0.015  
04/30/2015,14:22:53,0.016  
04/30/2015,14:23:53,0.017  
04/30/2015,14:24:53,0.012  
04/30/2015,14:25:53,0.017  
04/30/2015,14:26:53,0.013

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530141112  
Test ID: ,004  
Test Abbreviation: ,MANUAL\_004\_C  
Start Date: ,04/30/2015  
Start Time: ,14:42:32  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.020  
,Minimum: ,0.011  
,Time of Minimum: ,14:45:32  
,Date of Minimum: ,04/30/2015  
,Maximum: ,0.081  
,Time of Maximum: ,14:43:32  
,Date of Maximum: ,04/30/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/30/2015,14:43:32,0.081  
04/30/2015,14:44:32,0.014  
04/30/2015,14:45:32,0.011  
04/30/2015,14:46:32,0.020  
04/30/2015,14:47:32,0.015  
04/30/2015,14:48:32,0.011  
04/30/2015,14:49:32,0.012  
04/30/2015,14:50:32,0.014  
04/30/2015,14:51:32,0.014  
04/30/2015,14:52:32,0.014  
04/30/2015,14:53:32,0.014  
04/30/2015,14:54:32,0.015  
04/30/2015,14:55:32,0.018  
04/30/2015,14:56:32,0.026  
04/30/2015,14:57:32,0.024

4-30-15 Downwind-1 VOC.prs

15/04/30 08:00

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 4/30/2015 08:00:54  
 End 4/30/2015 15:25:57  
 Sample Period(s) 900  
 Number of Records 29  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 4.109  
 High Alarm 8.218  
 Over Alarm 15000.000  
 STEL Alarm 3.573  
 TWA Alarm 3.573  
 Measurement Gas Isobutylene  
 Calibration Time 4/30/2015 07:42  
 Peak N/A  
 Min N/A  
 Average N/A

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	4/30/2015 08:15:54	0.122	0.241
002	4/30/2015 08:30:54	0.253	0.316
003	4/30/2015 08:45:54	0.378	0.455
004	4/30/2015 09:00:54	0.461	0.498
005	4/30/2015 09:15:54	0.495	0.527
006	4/30/2015 09:30:54	0.551	0.574
007	4/30/2015 09:45:54	0.616	0.734
008	4/30/2015 10:00:54	0.631	0.669
009	4/30/2015 10:15:54	0.666	0.744
010	4/30/2015 10:30:54	0.787	0.904
011	4/30/2015 10:45:54	0.883	0.936
012	4/30/2015 11:00:54	0.822	0.866
013	4/30/2015 11:15:54	0.810	0.858
014	4/30/2015 11:30:54	0.818	0.861
015	4/30/2015 11:45:54	0.835	0.867
016	4/30/2015 12:00:54	0.852	0.913
017	4/30/2015 12:15:54	0.878	0.943
018	4/30/2015 12:30:54	0.943	1.063
019	4/30/2015 12:45:54	0.963	1.217
020	4/30/2015 13:00:54	0.951	1.030
021	4/30/2015 13:15:54	0.937	1.043
022	4/30/2015 13:30:54	0.966	1.051
023	4/30/2015 13:45:54	0.959	1.038
024	4/30/2015 14:00:54	0.962	0.988
025	4/30/2015 14:15:54	0.984	1.046



4-30-15 Downwind-1 VOC.prs

026	4/30/2015	14:30:54	1.006	1.091
027	4/30/2015	14:45:54	1.034	1.332
028	4/30/2015	15:00:54	1.077	1.363
029	4/30/2015	15:15:54	1.028	1.233
Peak		1.077	1.363	
Min		0.122	0.241	
Average		0.782	0.876	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,04/30/2015  
Start Time:,07:46:00  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.045  
,Minimum:,0.018  
,Time of Minimum:,14:16:00  
,Date of Minimum:,04/30/2015  
,Maximum:,0.087  
,Time of Maximum:,08:01:00  
,Date of Maximum:,04/30/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/30/2015,08:01:00,0.087  
04/30/2015,08:16:00,0.076  
04/30/2015,08:31:00,0.083  
04/30/2015,08:46:00,0.083  
04/30/2015,09:01:00,0.082  
04/30/2015,09:16:00,0.079  
04/30/2015,09:31:00,0.064  
04/30/2015,09:46:00,0.053  
04/30/2015,10:01:00,0.054  
04/30/2015,10:16:00,0.050  
04/30/2015,10:31:00,0.047  
04/30/2015,10:46:00,0.044  
04/30/2015,11:01:00,0.040  
04/30/2015,11:16:00,0.043  
04/30/2015,11:31:00,0.040  
04/30/2015,11:46:00,0.041  
04/30/2015,12:01:00,0.033  
04/30/2015,12:16:00,0.034  
04/30/2015,12:31:00,0.031  
04/30/2015,12:46:00,0.028  
04/30/2015,13:01:00,0.032  
04/30/2015,13:16:00,0.029  
04/30/2015,13:31:00,0.026  
04/30/2015,13:46:00,0.026  
04/30/2015,14:01:00,0.023  
04/30/2015,14:16:00,0.018  
04/30/2015,14:31:00,0.019  
04/30/2015,14:46:00,0.028  
04/30/2015,15:01:00,0.026  
04/30/2015,15:16:00,0.024

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_A  
Start Date:,04/30/2015  
Start Time:,07:47:26

4-30-15 Downwind-2 Dust

Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.087  
,Minimum:,0.068  
,Time of Minimum:,07:55:26  
,Date of Minimum:,04/30/2015  
,Maximum:,0.333  
,Time of Maximum:,07:48:26  
,Date of Maximum:,04/30/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/30/2015,07:48:26,0.333  
04/30/2015,07:49:26,0.072  
04/30/2015,07:50:26,0.072  
04/30/2015,07:51:26,0.071  
04/30/2015,07:52:26,0.071  
04/30/2015,07:53:26,0.070  
04/30/2015,07:54:26,0.070  
04/30/2015,07:55:26,0.068  
04/30/2015,07:56:26,0.070  
04/30/2015,07:57:26,0.070  
04/30/2015,07:58:26,0.069  
04/30/2015,07:59:26,0.070  
04/30/2015,08:00:26,0.068  
04/30/2015,08:01:26,0.069  
04/30/2015,08:02:26,0.068

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_B  
Start Date:,04/30/2015  
Start Time:,08:06:40  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.081  
,Minimum:,0.069  
,Time of Minimum:,08:10:40  
,Date of Minimum:,04/30/2015  
,Maximum:,0.104  
,Time of Maximum:,08:07:40  
,Date of Maximum:,04/30/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/30/2015,08:07:40,0.104  
04/30/2015,08:08:40,0.076  
04/30/2015,08:09:40,0.072  
04/30/2015,08:10:40,0.069

4-30-15 Downwind-2 Dust

04/30/2015,08:11:40,0.070  
04/30/2015,08:12:40,0.072  
04/30/2015,08:13:40,0.089  
04/30/2015,08:14:40,0.085  
04/30/2015,08:15:40,0.079  
04/30/2015,08:16:40,0.076  
04/30/2015,08:17:40,0.093  
04/30/2015,08:18:40,0.086  
04/30/2015,08:19:40,0.080  
04/30/2015,08:20:40,0.079  
04/30/2015,08:21:40,0.086

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530122515  
Test ID: ,003  
Test Abbreviation: ,MANUAL\_003\_C  
Start Date: ,04/30/2015  
Start Time: ,09:01:35  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.078  
,Minimum: ,0.073  
,Time of Minimum: ,09:09:35  
,Date of Minimum: ,04/30/2015  
,Maximum: ,0.085  
,Time of Maximum: ,09:06:35  
,Date of Maximum: ,04/30/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/30/2015,09:02:35,0.083  
04/30/2015,09:03:35,0.078  
04/30/2015,09:04:35,0.077  
04/30/2015,09:05:35,0.080  
04/30/2015,09:06:35,0.085  
04/30/2015,09:07:35,0.075  
04/30/2015,09:08:35,0.075  
04/30/2015,09:09:35,0.073  
04/30/2015,09:10:35,0.074  
04/30/2015,09:11:35,0.078  
04/30/2015,09:12:35,0.081  
04/30/2015,09:13:35,0.074  
04/30/2015,09:14:35,0.077  
04/30/2015,09:15:35,0.081  
04/30/2015,09:16:35,0.078

15/04/30 07:55

\*\*\*\*\*

Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 4/30/2015 07:55:08  
 End 4/30/2015 15:29:25  
 Sample Period(s) 900  
 Number of Records 30  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 21.738  
 High Alarm 43.476  
 Over Alarm 15000.000  
 STEL Alarm 43.476  
 TWA Alarm 4.725  
 Measurement Gas Isobutylene  
 Calibration Time 4/30/2015 07:48  
 Peak N/A  
 Min N/A  
 Average N/A

\*\*\*\*\*

Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	4/30/2015 08:10:08	0.039	0.898
002	4/30/2015 08:25:08	0.000	0.000
003	4/30/2015 08:40:08	0.000	0.000
004	4/30/2015 08:55:08	0.000	0.000
005	4/30/2015 09:10:08	0.000	0.000
006	4/30/2015 09:25:08	0.000	0.000
007	4/30/2015 09:40:08	0.000	0.000
008	4/30/2015 09:55:08	0.000	0.000
009	4/30/2015 10:10:08	0.000	0.000
010	4/30/2015 10:25:08	0.000	0.000
011	4/30/2015 10:40:08	0.000	0.000
012	4/30/2015 10:55:08	0.000	0.000
013	4/30/2015 11:10:08	0.000	0.000
014	4/30/2015 11:25:08	0.000	0.000
015	4/30/2015 11:40:08	0.000	0.000
016	4/30/2015 11:55:08	0.000	0.000
017	4/30/2015 12:10:08	0.000	0.000
018	4/30/2015 12:25:08	0.000	0.000
019	4/30/2015 12:40:08	0.000	0.000
020	4/30/2015 12:55:08	0.000	0.000
021	4/30/2015 13:10:08	0.000	0.000
022	4/30/2015 13:25:08	0.000	0.000
023	4/30/2015 13:40:08	0.000	0.000
024	4/30/2015 13:55:08	0.000	0.000
025	4/30/2015 14:10:08	0.000	0.000

4-30-15 Downwind-2 VOC.prs

026	4/30/2015	14:25:08	0.000	0.000
027	4/30/2015	14:40:08	0.000	0.000
028	4/30/2015	14:55:08	0.000	0.000
029	4/30/2015	15:10:08	0.000	0.000
030	4/30/2015	15:25:08	0.000	0.000
Peak		0.039	0.898	
Min		0.000	0.000	
Average		0.001	0.030	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,04/30/2015  
Start Time:,07:58:34  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.037  
,Minimum:,0.010  
,Time of Minimum:,14:13:34  
,Date of Minimum:,04/30/2015  
,Maximum:,0.083  
,Time of Maximum:,08:58:34  
,Date of Maximum:,04/30/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL

MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/30/2015,08:13:34,0.069  
04/30/2015,08:28:34,0.075  
04/30/2015,08:43:34,0.078  
04/30/2015,08:58:34,0.083  
04/30/2015,09:13:34,0.076  
04/30/2015,09:28:34,0.071  
04/30/2015,09:43:34,0.056  
04/30/2015,09:58:34,0.052  
04/30/2015,10:13:34,0.047  
04/30/2015,10:28:34,0.044  
04/30/2015,10:43:34,0.041  
04/30/2015,10:58:34,0.039  
04/30/2015,11:13:34,0.035  
04/30/2015,11:28:34,0.034  
04/30/2015,11:43:34,0.032  
04/30/2015,11:58:34,0.028  
04/30/2015,12:13:34,0.027  
04/30/2015,12:28:34,0.025  
04/30/2015,12:43:34,0.023  
04/30/2015,12:58:34,0.019  
04/30/2015,13:13:34,0.016  
04/30/2015,13:28:34,0.015  
04/30/2015,13:43:34,0.013  
04/30/2015,13:58:34,0.011  
04/30/2015,14:13:34,0.010  
04/30/2015,14:28:34,0.011  
04/30/2015,14:43:34,0.012  
04/30/2015,14:58:34,0.013  
04/30/2015,15:13:34,0.018

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_A  
Start Date:,04/30/2015  
Start Time:,07:58:35  
Duration (dd:hh:mm:ss):,0:00:15:00

4-30-15 Upwind Dust

Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.069  
,Minimum:,0.063  
,Time of Minimum:,08:02:35  
,Date of Minimum:,04/30/2015  
,Maximum:,0.129  
,Time of Maximum:,07:59:35  
,Date of Maximum:,04/30/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/30/2015,07:59:35,0.129  
04/30/2015,08:00:35,0.066  
04/30/2015,08:01:35,0.064  
04/30/2015,08:02:35,0.063  
04/30/2015,08:03:35,0.065  
04/30/2015,08:04:35,0.065  
04/30/2015,08:05:35,0.066  
04/30/2015,08:06:35,0.067  
04/30/2015,08:07:35,0.066  
04/30/2015,08:08:35,0.066  
04/30/2015,08:09:35,0.067  
04/30/2015,08:10:35,0.064  
04/30/2015,08:11:35,0.064  
04/30/2015,08:12:35,0.064  
04/30/2015,08:13:35,0.064

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_B  
Start Date:,04/30/2015  
Start Time:,08:42:37  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.085  
,Minimum:,0.076  
,Time of Minimum:,08:57:37  
,Date of Minimum:,04/30/2015  
,Maximum:,0.102  
,Time of Maximum:,08:54:37  
,Date of Maximum:,04/30/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/30/2015,08:43:37,0.098  
04/30/2015,08:44:37,0.081  
04/30/2015,08:45:37,0.081  
04/30/2015,08:46:37,0.088  
04/30/2015,08:47:37,0.087



4-30-15 Upwind Dust

04/30/2015,08:48:37,0.084  
04/30/2015,08:49:37,0.084  
04/30/2015,08:50:37,0.084  
04/30/2015,08:51:37,0.089  
04/30/2015,08:52:37,0.079  
04/30/2015,08:53:37,0.078  
04/30/2015,08:54:37,0.102  
04/30/2015,08:55:37,0.081  
04/30/2015,08:56:37,0.078  
04/30/2015,08:57:37,0.076

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530143315  
Test ID: ,004  
Test Abbreviation: ,MANUAL\_004\_C  
Start Date: ,04/30/2015  
Start Time: ,08:59:51  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m^3  
,Average: ,0.076  
,Minimum: ,0.072  
,Time of Minimum: ,09:13:51  
,Date of Minimum: ,04/30/2015  
,Maximum: ,0.083  
,Time of Maximum: ,09:08:51  
,Date of Maximum: ,04/30/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m^3  
04/30/2015,09:00:51,0.082  
04/30/2015,09:01:51,0.073  
04/30/2015,09:02:51,0.073  
04/30/2015,09:03:51,0.073  
04/30/2015,09:04:51,0.074  
04/30/2015,09:05:51,0.074  
04/30/2015,09:06:51,0.073  
04/30/2015,09:07:51,0.073  
04/30/2015,09:08:51,0.083  
04/30/2015,09:09:51,0.080  
04/30/2015,09:10:51,0.081  
04/30/2015,09:11:51,0.077  
04/30/2015,09:12:51,0.073  
04/30/2015,09:13:51,0.072  
04/30/2015,09:14:51,0.072

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530143315  
Test ID: ,004  
Test Abbreviation: ,MANUAL\_004\_D  
Start Date: ,04/30/2015  
Start Time: ,09:18:21  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL

4-30-15 Upwind Dust

,Units:,mg/m<sup>3</sup>  
,Average:,0.064  
,Minimum:,0.052  
,Time of Minimum:,09:33:21  
,Date of Minimum:,04/30/2015  
,Maximum:,0.084  
,Time of Maximum:,09:19:21  
,Date of Maximum:,04/30/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
04/30/2015,09:19:21,0.084  
04/30/2015,09:20:21,0.067  
04/30/2015,09:21:21,0.070  
04/30/2015,09:22:21,0.081  
04/30/2015,09:23:21,0.071  
04/30/2015,09:24:21,0.070  
04/30/2015,09:25:21,0.065  
04/30/2015,09:26:21,0.063  
04/30/2015,09:27:21,0.060  
04/30/2015,09:28:21,0.057  
04/30/2015,09:29:21,0.055  
04/30/2015,09:30:21,0.057  
04/30/2015,09:31:21,0.057  
04/30/2015,09:32:21,0.058  
04/30/2015,09:33:21,0.052

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,04/07/2015  
Start Time:,08:35:38  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.017  
,Minimum:,0.011  
,Time of Minimum:,15:20:38  
,Date of Minimum:,04/07/2015  
,Maximum:,0.028  
,Time of Maximum:,11:20:38  
,Date of Maximum:,04/07/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/07/2015,08:50:38,0.019  
04/07/2015,09:05:38,0.019  
04/07/2015,09:20:38,0.018  
04/07/2015,09:35:38,0.019  
04/07/2015,09:50:38,0.019  
04/07/2015,10:05:38,0.019  
04/07/2015,10:20:38,0.019  
04/07/2015,10:35:38,0.019  
04/07/2015,10:50:38,0.022  
04/07/2015,11:05:38,0.021  
04/07/2015,11:20:38,0.028  
04/07/2015,11:35:38,0.021  
04/07/2015,11:50:38,0.019  
04/07/2015,12:05:38,0.016  
04/07/2015,12:20:38,0.016  
04/07/2015,12:35:38,0.018  
04/07/2015,12:50:38,0.018  
04/07/2015,13:05:38,0.015  
04/07/2015,13:20:38,0.015  
04/07/2015,13:35:38,0.016  
04/07/2015,13:50:38,0.017  
04/07/2015,14:05:38,0.017  
04/07/2015,14:20:38,0.014  
04/07/2015,14:35:38,0.018  
04/07/2015,14:50:38,0.014  
04/07/2015,15:05:38,0.013  
04/07/2015,15:20:38,0.011  
04/07/2015,15:35:38,0.013  
04/07/2015,15:50:38,0.013  
04/07/2015,16:05:38,0.013

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112

4-7-15 Downwind-1 Dust.txt

Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,04/07/2015  
Start Time:,08:35:42  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.019  
,Minimum:,0.015  
,Time of Minimum:,08:40:42  
,Date of Minimum:,04/07/2015  
,Maximum:,0.055  
,Time of Maximum:,08:36:42  
,Date of Maximum:,04/07/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/07/2015,08:36:42,0.055  
04/07/2015,08:37:42,0.018  
04/07/2015,08:38:42,0.016  
04/07/2015,08:39:42,0.016  
04/07/2015,08:40:42,0.015  
04/07/2015,08:41:42,0.016  
04/07/2015,08:42:42,0.016  
04/07/2015,08:43:42,0.016  
04/07/2015,08:44:42,0.019  
04/07/2015,08:45:42,0.017  
04/07/2015,08:46:42,0.017  
04/07/2015,08:47:42,0.019  
04/07/2015,08:48:42,0.021  
04/07/2015,08:49:42,0.016  
04/07/2015,08:50:42,0.015

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_B  
Start Date:,04/07/2015  
Start Time:,11:18:46  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.027  
,Minimum:,0.018  
,Time of Minimum:,11:29:46  
,Date of Minimum:,04/07/2015  
,Maximum:,0.097  
,Time of Maximum:,11:19:46  
,Date of Maximum:,04/07/2015

Calibration,Sensor:,AEROSOL

,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/07/2015,11:19:46,0.097  
04/07/2015,11:20:46,0.027  
04/07/2015,11:21:46,0.027  
04/07/2015,11:22:46,0.022  
04/07/2015,11:23:46,0.022  
04/07/2015,11:24:46,0.023  
04/07/2015,11:25:46,0.019  
04/07/2015,11:26:46,0.028  
04/07/2015,11:27:46,0.019  
04/07/2015,11:28:46,0.019  
04/07/2015,11:29:46,0.018  
04/07/2015,11:30:46,0.018  
04/07/2015,11:31:46,0.020  
04/07/2015,11:32:46,0.019  
04/07/2015,11:33:46,0.020

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_C  
Start Date:,04/07/2015  
Start Time:,12:21:34  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.018  
,Minimum:,0.015  
,Time of Minimum:,12:23:34  
,Date of Minimum:,04/07/2015  
,Maximum:,0.033  
,Time of Maximum:,12:22:34  
,Date of Maximum:,04/07/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/07/2015,12:22:34,0.033  
04/07/2015,12:23:34,0.015  
04/07/2015,12:24:34,0.016  
04/07/2015,12:25:34,0.017  
04/07/2015,12:26:34,0.018  
04/07/2015,12:27:34,0.020  
04/07/2015,12:28:34,0.017  
04/07/2015,12:29:34,0.015  
04/07/2015,12:30:34,0.015  
04/07/2015,12:31:34,0.017  
04/07/2015,12:32:34,0.016  
04/07/2015,12:33:34,0.018  
04/07/2015,12:34:34,0.022  
04/07/2015,12:35:34,0.018  
04/07/2015,12:36:34,0.022

4-7-15 Downwind-1 Dust.txt

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530141112  
Test ID: ,001  
Test Abbreviation: ,MANUAL\_001\_D  
Start Date: ,04/07/2015  
Start Time: ,14:28:09  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.017  
,Minimum: ,0.012  
,Time of Minimum: ,14:30:09  
,Date of Minimum: ,04/07/2015  
,Maximum: ,0.046  
,Time of Maximum: ,14:29:09  
,Date of Maximum: ,04/07/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/07/2015,14:29:09,0.046  
04/07/2015,14:30:09,0.012  
04/07/2015,14:31:09,0.019  
04/07/2015,14:32:09,0.014  
04/07/2015,14:33:09,0.014  
04/07/2015,14:34:09,0.017  
04/07/2015,14:35:09,0.016  
04/07/2015,14:36:09,0.013  
04/07/2015,14:37:09,0.013  
04/07/2015,14:38:09,0.015  
04/07/2015,14:39:09,0.013  
04/07/2015,14:40:09,0.015  
04/07/2015,14:41:09,0.017  
04/07/2015,14:42:09,0.013  
04/07/2015,14:43:09,0.017

15/04/07 08:44

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 4/7/2015 08:44:43  
 End 4/7/2015 16:15:49  
 Sample Period(s) 900  
 Number of Records 30  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 21.738  
 High Alarm 43.476  
 Over Alarm 15000.000  
 STEL Alarm 18.902  
 TWA Alarm 18.902  
 Measurement Gas Isobutylene  
 Calibration Time 4/7/2015 08:01  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	4/7/2015 08:59:43	0.002	0.128
002	4/7/2015 09:14:43	0.000	0.000
003	4/7/2015 09:29:43	0.000	0.000
004	4/7/2015 09:44:43	0.000	0.000
005	4/7/2015 09:59:43	0.000	0.000
006	4/7/2015 10:14:43	0.000	0.000
007	4/7/2015 10:29:43	0.000	0.000
008	4/7/2015 10:44:43	0.000	0.000
009	4/7/2015 10:59:43	0.000	0.000
010	4/7/2015 11:14:43	0.000	0.000
011	4/7/2015 11:29:43	0.000	0.000
012	4/7/2015 11:44:43	0.000	0.000
013	4/7/2015 11:59:43	0.000	0.000
014	4/7/2015 12:14:43	0.000	0.000
015	4/7/2015 12:29:43	0.000	0.000
016	4/7/2015 12:44:43	0.000	0.000
017	4/7/2015 12:59:43	0.000	0.000
018	4/7/2015 13:14:43	0.000	0.000
019	4/7/2015 13:29:43	0.000	0.000
020	4/7/2015 13:44:43	0.000	0.049
021	4/7/2015 13:59:43	0.000	0.008

4-7-15 Downwind-1 VOC.txt

022	4/7/2015	14:14:43	0.000	0.000
023	4/7/2015	14:29:43	0.000	0.000
024	4/7/2015	14:44:43	0.000	0.119
025	4/7/2015	14:59:43	0.000	0.000
026	4/7/2015	15:14:43	0.000	0.000
027	4/7/2015	15:29:43	0.000	0.000
028	4/7/2015	15:44:43	0.000	0.000
029	4/7/2015	15:59:43	0.000	0.000
030	4/7/2015	16:14:43	0.000	0.000
Peak		0.002	0.128	
Min		0.000	0.000	
Average		0.000	0.010	



TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,04/07/2015  
Start Time:,08:36:10  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.020  
,Minimum:,0.013  
,Time of Minimum:,16:06:10  
,Date of Minimum:,04/07/2015  
,Maximum:,0.026  
,Time of Maximum:,09:06:10  
,Date of Maximum:,04/07/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/07/2015,08:51:10,0.021  
04/07/2015,09:06:10,0.026  
04/07/2015,09:21:10,0.022  
04/07/2015,09:36:10,0.018  
04/07/2015,09:51:10,0.024  
04/07/2015,10:06:10,0.018  
04/07/2015,10:21:10,0.022  
04/07/2015,10:36:10,0.020  
04/07/2015,10:51:10,0.021  
04/07/2015,11:06:10,0.021  
04/07/2015,11:21:10,0.023  
04/07/2015,11:36:10,0.024  
04/07/2015,11:51:10,0.020  
04/07/2015,12:06:10,0.020  
04/07/2015,12:21:10,0.019  
04/07/2015,12:36:10,0.025  
04/07/2015,12:51:10,0.023  
04/07/2015,13:06:10,0.024  
04/07/2015,13:21:10,0.025  
04/07/2015,13:36:10,0.024  
04/07/2015,13:51:10,0.021  
04/07/2015,14:06:10,0.017  
04/07/2015,14:21:10,0.015  
04/07/2015,14:36:10,0.015  
04/07/2015,14:51:10,0.015  
04/07/2015,15:06:10,0.015  
04/07/2015,15:21:10,0.014  
04/07/2015,15:36:10,0.016  
04/07/2015,15:51:10,0.016  
04/07/2015,16:06:10,0.013

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515

Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,04/07/2015  
Start Time:,08:36:11  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.021  
,Minimum:,0.012  
,Time of Minimum:,08:41:11  
,Date of Minimum:,04/07/2015  
,Maximum:,0.053  
,Time of Maximum:,08:37:11  
,Date of Maximum:,04/07/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/07/2015,08:37:11,0.053  
04/07/2015,08:38:11,0.027  
04/07/2015,08:39:11,0.018  
04/07/2015,08:40:11,0.013  
04/07/2015,08:41:11,0.012  
04/07/2015,08:42:11,0.012  
04/07/2015,08:43:11,0.014  
04/07/2015,08:44:11,0.016  
04/07/2015,08:45:11,0.016  
04/07/2015,08:46:11,0.023  
04/07/2015,08:47:11,0.023  
04/07/2015,08:48:11,0.029  
04/07/2015,08:49:11,0.028  
04/07/2015,08:50:11,0.018  
04/07/2015,08:51:11,0.016

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_B  
Start Date:,04/07/2015  
Start Time:,11:23:18  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.023  
,Minimum:,0.015  
,Time of Minimum:,11:31:18  
,Date of Minimum:,04/07/2015  
,Maximum:,0.061  
,Time of Maximum:,11:24:18  
,Date of Maximum:,04/07/2015

Calibration,Sensor:,AEROSOL

,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
04/07/2015,11:24:18,0.061  
04/07/2015,11:25:18,0.017  
04/07/2015,11:26:18,0.023  
04/07/2015,11:27:18,0.021  
04/07/2015,11:28:18,0.030  
04/07/2015,11:29:18,0.036  
04/07/2015,11:30:18,0.021  
04/07/2015,11:31:18,0.015  
04/07/2015,11:32:18,0.016  
04/07/2015,11:33:18,0.016  
04/07/2015,11:34:18,0.018  
04/07/2015,11:35:18,0.019  
04/07/2015,11:36:18,0.016  
04/07/2015,11:37:18,0.017  
04/07/2015,11:38:18,0.021

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_C  
Start Date:,04/07/2015  
Start Time:,13:24:24  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.023  
,Minimum:,0.016  
,Time of Minimum:,13:27:24  
,Date of Minimum:,04/07/2015  
,Maximum:,0.050  
,Time of Maximum:,13:25:24  
,Date of Maximum:,04/07/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
04/07/2015,13:25:24,0.050  
04/07/2015,13:26:24,0.023  
04/07/2015,13:27:24,0.016  
04/07/2015,13:28:24,0.026  
04/07/2015,13:29:24,0.025  
04/07/2015,13:30:24,0.024  
04/07/2015,13:31:24,0.019  
04/07/2015,13:32:24,0.016  
04/07/2015,13:33:24,0.021  
04/07/2015,13:34:24,0.020  
04/07/2015,13:35:24,0.023  
04/07/2015,13:36:24,0.024  
04/07/2015,13:37:24,0.018  
04/07/2015,13:38:24,0.019  
04/07/2015,13:39:24,0.023

15/04/07 08:41

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 4/7/2015 08:41:06  
 End 4/7/2015 16:12:31  
 Sample Period(s) 900  
 Number of Records 30  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 50.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 100.000  
 TWA Alarm 10.869  
 Measurement Gas Isobutylene  
 Calibration Time 4/7/2015 08:02  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	4/7/2015 08:56:06	0.025	0.305
002	4/7/2015 09:11:06	0.000	0.000
003	4/7/2015 09:26:06	0.000	0.000
004	4/7/2015 09:41:06	0.000	0.016
005	4/7/2015 09:56:06	0.000	0.009
006	4/7/2015 10:11:06	0.005	0.016
007	4/7/2015 10:26:06	0.020	0.037
008	4/7/2015 10:41:06	0.032	0.045
009	4/7/2015 10:56:06	0.038	0.075
010	4/7/2015 11:11:06	0.046	0.057
011	4/7/2015 11:26:06	0.055	0.068
012	4/7/2015 11:41:06	0.070	0.328
013	4/7/2015 11:56:06	0.069	0.083
014	4/7/2015 12:11:06	0.061	0.082
015	4/7/2015 12:26:06	0.053	0.073
016	4/7/2015 12:41:06	0.056	0.150
017	4/7/2015 12:56:06	0.045	0.110
018	4/7/2015 13:11:06	0.050	0.219
019	4/7/2015 13:26:06	0.047	0.203
020	4/7/2015 13:41:06	0.029	0.080
021	4/7/2015 13:56:06	0.021	0.032

4-7-15 Downwind-2 VOC.txt

022	4/7/2015 14:11:06	0.018	0.025
023	4/7/2015 14:26:06	0.019	0.028
024	4/7/2015 14:41:06	0.015	0.024
025	4/7/2015 14:56:06	0.011	0.019
026	4/7/2015 15:11:06	0.009	0.017
027	4/7/2015 15:26:06	0.012	0.028
028	4/7/2015 15:41:06	0.008	0.016
029	4/7/2015 15:56:06	0.001	0.010
030	4/7/2015 16:11:06	0.000	0.005
Peak	0.070	0.328	
Min	0.000	0.000	
Average	0.027	0.072	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,04/07/2015  
Start Time:,08:27:55  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.016  
,Minimum:,0.012  
,Time of Minimum:,15:12:55  
,Date of Minimum:,04/07/2015  
,Maximum:,0.023  
,Time of Maximum:,08:42:55  
,Date of Maximum:,04/07/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/07/2015,08:42:55,0.023  
04/07/2015,08:57:55,0.017  
04/07/2015,09:12:55,0.017  
04/07/2015,09:27:55,0.017  
04/07/2015,09:42:55,0.017  
04/07/2015,09:57:55,0.017  
04/07/2015,10:12:55,0.017  
04/07/2015,10:27:55,0.017  
04/07/2015,10:42:55,0.018  
04/07/2015,10:57:55,0.018  
04/07/2015,11:12:55,0.018  
04/07/2015,11:27:55,0.018  
04/07/2015,11:42:55,0.018  
04/07/2015,11:57:55,0.017  
04/07/2015,12:12:55,0.015  
04/07/2015,12:27:55,0.015  
04/07/2015,12:42:55,0.015  
04/07/2015,12:57:55,0.016  
04/07/2015,13:12:55,0.015  
04/07/2015,13:27:55,0.015  
04/07/2015,13:42:55,0.015  
04/07/2015,13:57:55,0.015  
04/07/2015,14:12:55,0.014  
04/07/2015,14:27:55,0.014  
04/07/2015,14:42:55,0.013  
04/07/2015,14:57:55,0.014  
04/07/2015,15:12:55,0.012  
04/07/2015,15:27:55,0.012  
04/07/2015,15:42:55,0.013  
04/07/2015,15:57:55,0.013  
04/07/2015,16:12:55,0.013

Model:,DustTrak II  
Model Number:,8530

4-7-15 Upwind Dust.txt

Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,04/07/2015  
Start Time:,08:27:58  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.023  
,Minimum:,0.016  
,Time of Minimum:,08:29:58  
,Date of Minimum:,04/07/2015  
,Maximum:,0.114  
,Time of Maximum:,08:28:58  
,Date of Maximum:,04/07/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
04/07/2015,08:28:58,0.114  
04/07/2015,08:29:58,0.016  
04/07/2015,08:30:58,0.016  
04/07/2015,08:31:58,0.017  
04/07/2015,08:32:58,0.016  
04/07/2015,08:33:58,0.016  
04/07/2015,08:34:58,0.016  
04/07/2015,08:35:58,0.016  
04/07/2015,08:36:58,0.016  
04/07/2015,08:37:58,0.017  
04/07/2015,08:38:58,0.019  
04/07/2015,08:39:58,0.016  
04/07/2015,08:40:58,0.016  
04/07/2015,08:41:58,0.016  
04/07/2015,08:42:58,0.016

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,04/08/2015  
Start Time:,08:01:52  
Duration (dd:hh:mm:ss):,0:08:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,35  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.030  
,Minimum:,0.018  
,Time of Minimum:,16:46:52  
,Date of Minimum:,04/08/2015  
,Maximum:,0.038  
,Time of Maximum:,09:16:52  
,Date of Maximum:,04/08/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/08/2015,08:16:52,0.030  
04/08/2015,08:31:52,0.033  
04/08/2015,08:46:52,0.036  
04/08/2015,09:01:52,0.037  
04/08/2015,09:16:52,0.038  
04/08/2015,09:31:52,0.037  
04/08/2015,09:46:52,0.038  
04/08/2015,10:01:52,0.038  
04/08/2015,10:16:52,0.036  
04/08/2015,10:31:52,0.035  
04/08/2015,10:46:52,0.033  
04/08/2015,11:01:52,0.037  
04/08/2015,11:16:52,0.035  
04/08/2015,11:31:52,0.032  
04/08/2015,11:46:52,0.033  
04/08/2015,12:01:52,0.036  
04/08/2015,12:16:52,0.034  
04/08/2015,12:31:52,0.033  
04/08/2015,12:46:52,0.032  
04/08/2015,13:01:52,0.029  
04/08/2015,13:16:52,0.028  
04/08/2015,13:31:52,0.023  
04/08/2015,13:46:52,0.026  
04/08/2015,14:01:52,0.024  
04/08/2015,14:16:52,0.024  
04/08/2015,14:31:52,0.024  
04/08/2015,14:46:52,0.023  
04/08/2015,15:01:52,0.026  
04/08/2015,15:16:52,0.027  
04/08/2015,15:31:52,0.028  
04/08/2015,15:46:52,0.022  
04/08/2015,16:01:52,0.021  
04/08/2015,16:16:52,0.020  
04/08/2015,16:31:52,0.019



04/08/2015,16:46:52,0.018

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530141112  
Test ID:.,002  
Test Abbreviation:.,MANUAL\_002\_A  
Start Date:.,04/08/2015  
Start Time:.,12:29:47  
Duration (dd:hh:mm:ss):.,0:00:15:00  
Log Interval (mm:ss):.,01:00  
Number of points:.,15  
Notes:.,

Statistics,Channel:.,AEROSOL  
,Units:.,mg/m<sup>3</sup>  
,Average:.,0.033  
,Minimum:.,0.026  
,Time of Minimum:.,12:41:47  
,Date of Minimum:.,04/08/2015  
,Maximum:.,0.061  
,Time of Maximum:.,12:36:47  
,Date of Maximum:.,04/08/2015

Calibration,Sensor:.,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/08/2015,12:30:47,0.041  
04/08/2015,12:31:47,0.029  
04/08/2015,12:32:47,0.029  
04/08/2015,12:33:47,0.033  
04/08/2015,12:34:47,0.030  
04/08/2015,12:35:47,0.033  
04/08/2015,12:36:47,0.061  
04/08/2015,12:37:47,0.036  
04/08/2015,12:38:47,0.036  
04/08/2015,12:39:47,0.032  
04/08/2015,12:40:47,0.029  
04/08/2015,12:41:47,0.026  
04/08/2015,12:42:47,0.026  
04/08/2015,12:43:47,0.027  
04/08/2015,12:44:47,0.028

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530141112  
Test ID:.,002  
Test Abbreviation:.,MANUAL\_002\_B  
Start Date:.,04/08/2015  
Start Time:.,13:12:01  
Duration (dd:hh:mm:ss):.,0:00:15:00  
Log Interval (mm:ss):.,01:00  
Number of points:.,15  
Notes:.,

Statistics,Channel:.,AEROSOL  
,Units:.,mg/m<sup>3</sup>  
,Average:.,0.023  
,Minimum:.,0.019  
,Time of Minimum:.,13:17:01  
,Date of Minimum:.,04/08/2015

4-8-15 Downwind-1 Dust.txt

,Maximum:,0.038  
,Time of Maximum:,13:13:01  
,Date of Maximum:,04/08/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m^3  
04/08/2015,13:13:01,0.038  
04/08/2015,13:14:01,0.023  
04/08/2015,13:15:01,0.023  
04/08/2015,13:16:01,0.020  
04/08/2015,13:17:01,0.019  
04/08/2015,13:18:01,0.019  
04/08/2015,13:19:01,0.020  
04/08/2015,13:20:01,0.020  
04/08/2015,13:21:01,0.020  
04/08/2015,13:22:01,0.021  
04/08/2015,13:23:01,0.021  
04/08/2015,13:24:01,0.025  
04/08/2015,13:25:01,0.029  
04/08/2015,13:26:01,0.024  
04/08/2015,13:27:01,0.024

15/04/08 08:11

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 4/8/2015 08:11:09  
 End 4/8/2015 17:08:22  
 Sample Period(s) 900  
 Number of Records 35  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 21.738  
 High Alarm 43.476  
 Over Alarm 15000.000  
 STEL Alarm 18.902  
 TWA Alarm 18.902  
 Measurement Gas Isobutylene  
 Calibration Time 4/8/2015 07:45  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	4/8/2015 08:26:09	0.001	0.084
002	4/8/2015 08:41:09	0.000	0.000
003	4/8/2015 08:56:09	0.000	0.000
004	4/8/2015 09:11:09	0.000	0.000
005	4/8/2015 09:26:09	0.001	0.005
006	4/8/2015 09:41:09	0.005	0.009
007	4/8/2015 09:56:09	0.005	0.018
008	4/8/2015 10:11:09	0.005	0.028
009	4/8/2015 10:26:09	0.004	0.018
010	4/8/2015 10:41:09	0.004	0.013
011	4/8/2015 10:56:09	0.002	0.028
012	4/8/2015 11:11:09	0.006	0.036
013	4/8/2015 11:26:09	0.002	0.023
014	4/8/2015 11:41:09	0.000	0.004
015	4/8/2015 11:56:09	0.000	0.016
016	4/8/2015 12:11:09	0.005	0.042
017	4/8/2015 12:26:09	0.005	0.053
018	4/8/2015 12:41:09	0.004	0.033
019	4/8/2015 12:56:09	0.011	0.104
020	4/8/2015 13:11:09	0.013	0.078
021	4/8/2015 13:26:09	0.016	0.186

4-8-15 Downwind-1 VOC.txt

022	4/8/2015	13:41:09	0.000	0.016
023	4/8/2015	13:56:09	0.002	0.027
024	4/8/2015	14:11:09	0.000	0.003
025	4/8/2015	14:26:09	0.000	0.015
026	4/8/2015	14:41:09	0.000	0.008
027	4/8/2015	14:56:09	0.000	0.008
028	4/8/2015	15:11:09	0.003	0.042
029	4/8/2015	15:26:09	0.004	0.045
030	4/8/2015	15:41:09	0.009	0.088
031	4/8/2015	15:56:09	0.000	0.002
032	4/8/2015	16:11:09	0.000	0.000
033	4/8/2015	16:26:09	0.000	0.001
034	4/8/2015	16:41:09	0.000	0.000
035	4/8/2015	16:56:09	0.000	0.007
Peak		0.016	0.186	
Min		0.000	0.000	
Average		0.003	0.030	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,04/08/2015  
Start Time:,08:00:59  
Duration (dd:hh:mm:ss):,0:09:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,36  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.025  
,Minimum:,0.013  
,Time of Minimum:,16:45:59  
,Date of Minimum:,04/08/2015  
,Maximum:,0.036  
,Time of Maximum:,09:15:59  
,Date of Maximum:,04/08/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
04/08/2015,08:15:59,0.030  
04/08/2015,08:30:59,0.031  
04/08/2015,08:45:59,0.033  
04/08/2015,09:00:59,0.035  
04/08/2015,09:15:59,0.036  
04/08/2015,09:30:59,0.032  
04/08/2015,09:45:59,0.033  
04/08/2015,10:00:59,0.035  
04/08/2015,10:15:59,0.034  
04/08/2015,10:30:59,0.032  
04/08/2015,10:45:59,0.029  
04/08/2015,11:00:59,0.026  
04/08/2015,11:15:59,0.026  
04/08/2015,11:30:59,0.027  
04/08/2015,11:45:59,0.028  
04/08/2015,12:00:59,0.031  
04/08/2015,12:15:59,0.027  
04/08/2015,12:30:59,0.024  
04/08/2015,12:45:59,0.025  
04/08/2015,13:00:59,0.023  
04/08/2015,13:15:59,0.023  
04/08/2015,13:30:59,0.018  
04/08/2015,13:45:59,0.019  
04/08/2015,14:00:59,0.018  
04/08/2015,14:15:59,0.018  
04/08/2015,14:30:59,0.019  
04/08/2015,14:45:59,0.019  
04/08/2015,15:00:59,0.021  
04/08/2015,15:15:59,0.020  
04/08/2015,15:30:59,0.023  
04/08/2015,15:45:59,0.019  
04/08/2015,16:00:59,0.017  
04/08/2015,16:15:59,0.015  
04/08/2015,16:30:59,0.014

04/08/2015,16:45:59,0.013  
04/08/2015,17:00:59,0.013

Model:,DustTrak II  
Model Number:,,8530  
Serial Number:,,8530122515  
Test ID:,,002  
Test Abbreviation:,,MANUAL\_002\_A  
Start Date:,,04/08/2015  
Start Time:,,08:01:00  
Duration (dd:hh:mm:ss):,,0:00:15:00  
Log Interval (mm:ss):,,01:00  
Number of points:,,15  
Notes:,,

Statistics,Channel:,,AEROSOL  
,Units:,,mg/m<sup>3</sup>  
,Average:,,0.030  
,Minimum:,,0.026  
,Time of Minimum:,,08:03:00  
,Date of Minimum:,,04/08/2015  
,Maximum:,,0.068  
,Time of Maximum:,,08:02:00  
,Date of Maximum:,,04/08/2015

Calibration,Sensor:,,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/08/2015,08:02:00,0.068  
04/08/2015,08:03:00,0.026  
04/08/2015,08:04:00,0.026  
04/08/2015,08:05:00,0.026  
04/08/2015,08:06:00,0.026  
04/08/2015,08:07:00,0.028  
04/08/2015,08:08:00,0.027  
04/08/2015,08:09:00,0.027  
04/08/2015,08:10:00,0.028  
04/08/2015,08:11:00,0.028  
04/08/2015,08:12:00,0.028  
04/08/2015,08:13:00,0.029  
04/08/2015,08:14:00,0.031  
04/08/2015,08:15:00,0.030  
04/08/2015,08:16:00,0.030

15/04/08 08:06

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 4/8/2015 08:06:07  
 End 4/8/2015 17:13:57  
 Sample Period(s) 900  
 Number of Records 36  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 50.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 100.000  
 TWA Alarm 10.869  
 Measurement Gas Isobutylene  
 Calibration Time 4/8/2015 07:46  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	4/8/2015 08:21:07	0.021	0.224
002	4/8/2015 08:36:07	0.000	0.026
003	4/8/2015 08:51:07	0.000	0.034
004	4/8/2015 09:06:07	0.023	0.048
005	4/8/2015 09:21:07	0.076	0.142
006	4/8/2015 09:36:07	0.109	0.134
007	4/8/2015 09:51:07	0.139	0.152
008	4/8/2015 10:06:07	0.166	0.234
009	4/8/2015 10:21:07	0.188	0.231
010	4/8/2015 10:36:07	0.208	0.263
011	4/8/2015 10:51:07	0.216	0.240
012	4/8/2015 11:06:07	0.229	0.241
013	4/8/2015 11:21:07	0.244	0.252
014	4/8/2015 11:36:07	0.255	0.268
015	4/8/2015 11:51:07	0.273	0.295
016	4/8/2015 12:06:07	0.292	0.347
017	4/8/2015 12:21:07	0.292	0.429
018	4/8/2015 12:36:07	0.287	0.295
019	4/8/2015 12:51:07	0.315	0.341
020	4/8/2015 13:06:07	0.327	0.343
021	4/8/2015 13:21:07	0.354	0.443

4-8-15 Downwind-2 VOC.txt

022	4/8/2015 13:36:07	0.318	0.357
023	4/8/2015 13:51:07	0.319	0.331
024	4/8/2015 14:06:07	0.327	0.343
025	4/8/2015 14:21:07	0.327	0.333
026	4/8/2015 14:36:07	0.328	0.348
027	4/8/2015 14:51:07	0.331	0.337
028	4/8/2015 15:06:07	0.326	0.341
029	4/8/2015 15:21:07	0.327	0.343
030	4/8/2015 15:36:07	0.335	0.397
031	4/8/2015 15:51:07	0.341	0.351
032	4/8/2015 16:06:07	0.335	0.364
033	4/8/2015 16:21:07	0.328	0.334
034	4/8/2015 16:36:07	0.327	0.332
035	4/8/2015 16:51:07	0.330	0.337
036	4/8/2015 17:06:07	0.327	0.337
Peak		0.354	0.443
Min		0.000	0.026
Average		0.248	0.282



TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,04/08/2015  
Start Time:,08:12:55  
Duration (dd:hh:mm:ss):,0:09:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,36  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.003  
,Minimum:,-0.007  
,Time of Minimum:,16:57:55  
,Date of Minimum:,04/08/2015  
,Maximum:,0.013  
,Time of Maximum:,08:27:55  
,Date of Maximum:,04/08/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/08/2015,08:27:55,0.013  
04/08/2015,08:42:55,0.011  
04/08/2015,08:57:55,0.011  
04/08/2015,09:12:55,0.012  
04/08/2015,09:27:55,0.012  
04/08/2015,09:42:55,0.012  
04/08/2015,09:57:55,0.011  
04/08/2015,10:12:55,0.010  
04/08/2015,10:27:55,0.009  
04/08/2015,10:42:55,0.007  
04/08/2015,10:57:55,0.006  
04/08/2015,11:12:55,0.005  
04/08/2015,11:27:55,0.007  
04/08/2015,11:42:55,0.006  
04/08/2015,11:57:55,0.005  
04/08/2015,12:12:55,0.004  
04/08/2015,12:27:55,0.002  
04/08/2015,12:42:55,0.002  
04/08/2015,12:57:55,0.000  
04/08/2015,13:12:55,-0.002  
04/08/2015,13:27:55,-0.001  
04/08/2015,13:42:55,0.001  
04/08/2015,13:57:55,0.000  
04/08/2015,14:12:55,0.000  
04/08/2015,14:27:55,-0.001  
04/08/2015,14:42:55,-0.001  
04/08/2015,14:57:55,-0.001  
04/08/2015,15:12:55,-0.002  
04/08/2015,15:27:55,-0.002  
04/08/2015,15:42:55,-0.003  
04/08/2015,15:57:55,-0.004  
04/08/2015,16:12:55,-0.004  
04/08/2015,16:27:55,-0.005  
04/08/2015,16:42:55,-0.006

4-8-15 Upwind Dust.txt

04/08/2015,16:57:55,-0.007  
04/08/2015,17:12:55,-0.007

Model:,DustTrak II  
Model Number:,,8530  
Serial Number:,,8530143315  
Test ID:,,002  
Test Abbreviation:,,MANUAL\_002\_A  
Start Date:,,04/08/2015  
Start Time:,,08:12:58  
Duration (dd:hh:mm:ss):,,0:00:15:00  
Log Interval (mm:ss):,,01:00  
Number of points:,,15  
Notes:,,

Statistics,Channel:,,AEROSOL  
,Units:,,mg/m<sup>3</sup>  
,Average:,,0.013  
,Minimum:,,0.009  
,Time of Minimum:,,08:14:58  
,Date of Minimum:,,04/08/2015  
,Maximum:,,0.057  
,Time of Maximum:,,08:13:58  
,Date of Maximum:,,04/08/2015

Calibration,Sensor:,,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/08/2015,08:13:58,0.057  
04/08/2015,08:14:58,0.009  
04/08/2015,08:15:58,0.010  
04/08/2015,08:16:58,0.010  
04/08/2015,08:17:58,0.010  
04/08/2015,08:18:58,0.009  
04/08/2015,08:19:58,0.010  
04/08/2015,08:20:58,0.010  
04/08/2015,08:21:58,0.010  
04/08/2015,08:22:58,0.010  
04/08/2015,08:23:58,0.010  
04/08/2015,08:24:58,0.010  
04/08/2015,08:25:58,0.010  
04/08/2015,08:26:58,0.010  
04/08/2015,08:27:58,0.010

Model:,DustTrak II  
Model Number:,,8530  
Serial Number:,,8530143315  
Test ID:,,002  
Test Abbreviation:,,MANUAL\_002\_B  
Start Date:,,04/08/2015  
Start Time:,,11:14:04  
Duration (dd:hh:mm:ss):,,0:00:15:00  
Log Interval (mm:ss):,,01:00  
Number of points:,,15  
Notes:,,

Statistics,Channel:,,AEROSOL  
,Units:,,mg/m<sup>3</sup>  
,Average:,,0.007  
,Minimum:,,0.006  
,Time of Minimum:,,11:21:04

4-8-15 Upwind Dust.txt

,Date of Minimum:,04/08/2015  
,Maximum:,0.014  
,Time of Maximum:,11:15:04  
,Date of Maximum:,04/08/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m^3  
04/08/2015,11:15:04,0.014  
04/08/2015,11:16:04,0.007  
04/08/2015,11:17:04,0.008  
04/08/2015,11:18:04,0.008  
04/08/2015,11:19:04,0.007  
04/08/2015,11:20:04,0.007  
04/08/2015,11:21:04,0.006  
04/08/2015,11:22:04,0.006  
04/08/2015,11:23:04,0.006  
04/08/2015,11:24:04,0.006  
04/08/2015,11:25:04,0.006  
04/08/2015,11:26:04,0.006  
04/08/2015,11:27:04,0.006  
04/08/2015,11:28:04,0.006  
04/08/2015,11:29:04,0.006

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,04/09/2015  
Start Time:,07:59:51  
Duration (dd:hh:mm:ss):,0:08:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,33  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.030  
,Minimum:,0.014  
,Time of Minimum:,15:59:51  
,Date of Minimum:,04/09/2015  
,Maximum:,0.047  
,Time of Maximum:,11:59:51  
,Date of Maximum:,04/09/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/09/2015,08:14:51,0.021  
04/09/2015,08:29:51,0.021  
04/09/2015,08:44:51,0.026  
04/09/2015,08:59:51,0.028  
04/09/2015,09:14:51,0.028  
04/09/2015,09:29:51,0.029  
04/09/2015,09:44:51,0.031  
04/09/2015,09:59:51,0.042  
04/09/2015,10:14:51,0.034  
04/09/2015,10:29:51,0.033  
04/09/2015,10:44:51,0.035  
04/09/2015,10:59:51,0.039  
04/09/2015,11:14:51,0.040  
04/09/2015,11:29:51,0.038  
04/09/2015,11:44:51,0.046  
04/09/2015,11:59:51,0.047  
04/09/2015,12:14:51,0.041  
04/09/2015,12:29:51,0.036  
04/09/2015,12:44:51,0.032  
04/09/2015,12:59:51,0.028  
04/09/2015,13:14:51,0.028  
04/09/2015,13:29:51,0.029  
04/09/2015,13:44:51,0.031  
04/09/2015,13:59:51,0.023  
04/09/2015,14:14:51,0.021  
04/09/2015,14:29:51,0.028  
04/09/2015,14:44:51,0.027  
04/09/2015,14:59:51,0.025  
04/09/2015,15:14:51,0.024  
04/09/2015,15:29:51,0.022  
04/09/2015,15:44:51,0.022  
04/09/2015,15:59:51,0.014  
04/09/2015,16:14:51,0.015

4-9-15 Downwind-1 Dust.txt

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530141112  
Test ID: ,003  
Test Abbreviation: ,MANUAL\_003\_A  
Start Date: ,04/09/2015  
Start Time: ,11:26:16  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.042  
,Minimum: ,0.038  
,Time of Minimum: ,11:28:16  
,Date of Minimum: ,04/09/2015  
,Maximum: ,0.053  
,Time of Maximum: ,11:31:16  
,Date of Maximum: ,04/09/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/09/2015,11:27:16,0.048  
04/09/2015,11:28:16,0.038  
04/09/2015,11:29:16,0.039  
04/09/2015,11:30:16,0.045  
04/09/2015,11:31:16,0.053  
04/09/2015,11:32:16,0.044  
04/09/2015,11:33:16,0.041  
04/09/2015,11:34:16,0.038  
04/09/2015,11:35:16,0.043  
04/09/2015,11:36:16,0.048  
04/09/2015,11:37:16,0.039  
04/09/2015,11:38:16,0.040  
04/09/2015,11:39:16,0.039  
04/09/2015,11:40:16,0.043  
04/09/2015,11:41:16,0.038

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530141112  
Test ID: ,003  
Test Abbreviation: ,MANUAL\_003\_B  
Start Date: ,04/09/2015  
Start Time: ,13:26:59  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.033  
,Minimum: ,0.021  
,Time of Minimum: ,13:38:59  
,Date of Minimum: ,04/09/2015  
,Maximum: ,0.064  
,Time of Maximum: ,13:31:59

,Date of Maximum:,04/09/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m^3  
04/09/2015,13:27:59,0.054  
04/09/2015,13:28:59,0.027  
04/09/2015,13:29:59,0.022  
04/09/2015,13:30:59,0.025  
04/09/2015,13:31:59,0.064  
04/09/2015,13:32:59,0.051  
04/09/2015,13:33:59,0.036  
04/09/2015,13:34:59,0.034  
04/09/2015,13:35:59,0.034  
04/09/2015,13:36:59,0.026  
04/09/2015,13:37:59,0.022  
04/09/2015,13:38:59,0.021  
04/09/2015,13:39:59,0.024  
04/09/2015,13:40:59,0.032  
04/09/2015,13:41:59,0.022

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_C  
Start Date:,04/09/2015  
Start Time:,14:29:52  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m^3  
,Average:,0.027  
,Minimum:,0.019  
,Time of Minimum:,14:36:52  
,Date of Minimum:,04/09/2015  
,Maximum:,0.049  
,Time of Maximum:,14:30:52  
,Date of Maximum:,04/09/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m^3  
04/09/2015,14:30:52,0.049  
04/09/2015,14:31:52,0.028  
04/09/2015,14:32:52,0.023  
04/09/2015,14:33:52,0.023  
04/09/2015,14:34:52,0.027  
04/09/2015,14:35:52,0.024  
04/09/2015,14:36:52,0.019  
04/09/2015,14:37:52,0.021  
04/09/2015,14:38:52,0.029  
04/09/2015,14:39:52,0.029  
04/09/2015,14:40:52,0.019  
04/09/2015,14:41:52,0.029  
04/09/2015,14:42:52,0.024

04/09/2015,14:43:52,0.022  
04/09/2015,14:44:52,0.036

4-9-15 Downwind-1 Dust.txt

15/04/09 08:09

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907461  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 4/9/2015 08:09:40  
 End 4/9/2015 16:36:16  
 Sample Period(s) 900  
 Number of Records 33  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 21.738  
 High Alarm 43.476  
 Over Alarm 15000.000  
 STEL Alarm 18.902  
 TWA Alarm 18.902  
 Measurement Gas Isobutylene  
 Calibration Time 4/9/2015 07:47  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	4/9/2015 08:24:40	0.000	0.000
002	4/9/2015 08:39:40	0.000	0.000
003	4/9/2015 08:54:40	0.000	0.000
004	4/9/2015 09:09:40	0.000	0.000
005	4/9/2015 09:24:40	0.000	0.000
006	4/9/2015 09:39:40	0.000	0.000
007	4/9/2015 09:54:40	0.000	0.000
008	4/9/2015 10:09:40	0.000	0.000
009	4/9/2015 10:24:40	0.000	0.012
010	4/9/2015 10:39:40	0.000	0.000
011	4/9/2015 10:54:40	0.000	0.000
012	4/9/2015 11:09:40	0.000	0.000
013	4/9/2015 11:24:40	0.000	0.000
014	4/9/2015 11:39:40	0.000	0.000
015	4/9/2015 11:54:40	0.000	0.000
016	4/9/2015 12:09:40	0.000	0.000
017	4/9/2015 12:24:40	0.000	0.000
018	4/9/2015 12:39:40	0.000	0.000
019	4/9/2015 12:54:40	0.000	0.000
020	4/9/2015 13:09:40	0.000	0.000
021	4/9/2015 13:24:40	0.000	0.000



4-9-15 Downwind-1 VOC.txt

022	4/9/2015	13:39:40	0.000	0.000
023	4/9/2015	13:54:40	0.000	0.000
024	4/9/2015	14:09:40	0.000	0.000
025	4/9/2015	14:24:40	0.000	0.000
026	4/9/2015	14:39:40	0.000	0.000
027	4/9/2015	14:54:40	0.000	0.000
028	4/9/2015	15:09:40	0.000	0.000
029	4/9/2015	15:24:40	0.000	0.000
030	4/9/2015	15:39:40	0.000	0.000
031	4/9/2015	15:54:40	0.000	0.000
032	4/9/2015	16:09:40	0.000	0.000
033	4/9/2015	16:24:40	0.000	0.000
Peak		0.000	0.012	
Min		0.000	0.000	
Average		0.000	0.000	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,04/09/2015  
Start Time:,08:01:33  
Duration (dd:hh:mm:ss):,0:08:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,34  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.025  
,Minimum:,0.012  
,Time of Minimum:,16:01:33  
,Date of Minimum:,04/09/2015  
,Maximum:,0.038  
,Time of Maximum:,11:31:33  
,Date of Maximum:,04/09/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
04/09/2015,08:16:33,0.018  
04/09/2015,08:31:33,0.021  
04/09/2015,08:46:33,0.023  
04/09/2015,09:01:33,0.026  
04/09/2015,09:16:33,0.029  
04/09/2015,09:31:33,0.028  
04/09/2015,09:46:33,0.029  
04/09/2015,10:01:33,0.033  
04/09/2015,10:16:33,0.031  
04/09/2015,10:31:33,0.032  
04/09/2015,10:46:33,0.033  
04/09/2015,11:01:33,0.035  
04/09/2015,11:16:33,0.036  
04/09/2015,11:31:33,0.038  
04/09/2015,11:46:33,0.038  
04/09/2015,12:01:33,0.035  
04/09/2015,12:16:33,0.035  
04/09/2015,12:31:33,0.031  
04/09/2015,12:46:33,0.028  
04/09/2015,13:01:33,0.026  
04/09/2015,13:16:33,0.022  
04/09/2015,13:31:33,0.020  
04/09/2015,13:46:33,0.021  
04/09/2015,14:01:33,0.021  
04/09/2015,14:16:33,0.020  
04/09/2015,14:31:33,0.018  
04/09/2015,14:46:33,0.017  
04/09/2015,15:01:33,0.017  
04/09/2015,15:16:33,0.015  
04/09/2015,15:31:33,0.015  
04/09/2015,15:46:33,0.013  
04/09/2015,16:01:33,0.012  
04/09/2015,16:16:33,0.012  
04/09/2015,16:31:33,0.013

15/04/09 08:06

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver v1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 4/9/2015 08:06:49  
 End 4/9/2015 16:40:07  
 Sample Period(s) 900  
 Number of Records 34  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 50.000  
 High Alarm 100.000  
 Over Alarm 15000.000  
 STEL Alarm 100.000  
 TWA Alarm 10.869  
 Measurement Gas Isobutylene  
 Calibration Time 4/9/2015 07:44  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	4/9/2015 08:21:49	0.003	0.175
002	4/9/2015 08:36:49	0.000	0.000
003	4/9/2015 08:51:49	0.000	0.000
004	4/9/2015 09:06:49	0.000	0.000
005	4/9/2015 09:21:49	0.000	0.053
006	4/9/2015 09:36:49	0.000	0.001
007	4/9/2015 09:51:49	0.001	0.008
008	4/9/2015 10:06:49	0.012	0.037
009	4/9/2015 10:21:49	0.019	0.026
010	4/9/2015 10:36:49	0.031	0.125
011	4/9/2015 10:51:49	0.039	0.049
012	4/9/2015 11:06:49	0.055	0.066
013	4/9/2015 11:21:49	0.067	0.098
014	4/9/2015 11:36:49	0.081	0.128
015	4/9/2015 11:51:49	0.098	0.132
016	4/9/2015 12:06:49	0.097	0.112
017	4/9/2015 12:21:49	0.110	0.193
018	4/9/2015 12:36:49	0.106	0.122
019	4/9/2015 12:51:49	0.115	0.183
020	4/9/2015 13:06:49	0.131	0.189
021	4/9/2015 13:21:49	0.150	0.174

4-9-15 Downwind-2 VOC.txt

022	4/9/2015	13:36:49	0.120	0.163
023	4/9/2015	13:51:49	0.057	0.107
024	4/9/2015	14:06:49	0.018	0.037
025	4/9/2015	14:21:49	0.011	0.027
026	4/9/2015	14:36:49	0.007	0.020
027	4/9/2015	14:51:49	0.007	0.017
028	4/9/2015	15:06:49	0.015	0.075
029	4/9/2015	15:21:49	0.021	0.031
030	4/9/2015	15:36:49	0.025	0.041
031	4/9/2015	15:51:49	0.022	0.042
032	4/9/2015	16:06:49	0.020	0.038
033	4/9/2015	16:21:49	0.005	0.013
034	4/9/2015	16:36:49	0.012	0.024
Peak		0.150	0.193	
Min		0.000	0.000	
Average		0.043	0.074	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,04/09/2015  
Start Time:,08:08:20  
Duration (dd:hh:mm:ss):,0:08:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,33  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.025  
,Minimum:,0.014  
,Time of Minimum:,15:38:20  
,Date of Minimum:,04/09/2015  
,Maximum:,0.036  
,Time of Maximum:,12:08:20  
,Date of Maximum:,04/09/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/09/2015,08:23:20,0.024  
04/09/2015,08:38:20,0.020  
04/09/2015,08:53:20,0.022  
04/09/2015,09:08:20,0.026  
04/09/2015,09:23:20,0.026  
04/09/2015,09:38:20,0.026  
04/09/2015,09:53:20,0.028  
04/09/2015,10:08:20,0.031  
04/09/2015,10:23:20,0.029  
04/09/2015,10:38:20,0.029  
04/09/2015,10:53:20,0.030  
04/09/2015,11:08:20,0.032  
04/09/2015,11:23:20,0.032  
04/09/2015,11:38:20,0.035  
04/09/2015,11:53:20,0.035  
04/09/2015,12:08:20,0.036  
04/09/2015,12:23:20,0.033  
04/09/2015,12:38:20,0.031  
04/09/2015,12:53:20,0.029  
04/09/2015,13:08:20,0.024  
04/09/2015,13:23:20,0.023  
04/09/2015,13:38:20,0.022  
04/09/2015,13:53:20,0.023  
04/09/2015,14:08:20,0.021  
04/09/2015,14:23:20,0.021  
04/09/2015,14:38:20,0.019  
04/09/2015,14:53:20,0.017  
04/09/2015,15:08:20,0.016  
04/09/2015,15:23:20,0.015  
04/09/2015,15:38:20,0.014  
04/09/2015,15:53:20,0.014  
04/09/2015,16:08:20,0.016  
04/09/2015,16:23:20,0.018

4-9-15 Upwind Dust.txt

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530143315  
Test ID: ,003  
Test Abbreviation: ,MANUAL\_003\_A  
Start Date: ,04/09/2015  
Start Time: ,08:08:21  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.024  
,Minimum: ,0.017  
,Time of Minimum: ,08:11:21  
,Date of Minimum: ,04/09/2015  
,Maximum: ,0.114  
,Time of Maximum: ,08:09:21  
,Date of Maximum: ,04/09/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
04/09/2015,08:09:21,0.114  
04/09/2015,08:10:21,0.018  
04/09/2015,08:11:21,0.017  
04/09/2015,08:12:21,0.017  
04/09/2015,08:13:21,0.017  
04/09/2015,08:14:21,0.017  
04/09/2015,08:15:21,0.017  
04/09/2015,08:16:21,0.017  
04/09/2015,08:17:21,0.017  
04/09/2015,08:18:21,0.018  
04/09/2015,08:19:21,0.017  
04/09/2015,08:20:21,0.017  
04/09/2015,08:21:21,0.018  
04/09/2015,08:22:21,0.018  
04/09/2015,08:23:21,0.018

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530143315  
Test ID: ,003  
Test Abbreviation: ,MANUAL\_003\_B  
Start Date: ,04/09/2015  
Start Time: ,16:08:13  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.019  
,Minimum: ,0.013  
,Time of Minimum: ,16:12:13  
,Date of Minimum: ,04/09/2015  
,Maximum: ,0.064  
,Time of Maximum: ,16:09:13

,Date of Maximum:,04/09/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
04/09/2015,16:09:13,0.064  
04/09/2015,16:10:13,0.022  
04/09/2015,16:11:13,0.015  
04/09/2015,16:12:13,0.013  
04/09/2015,16:13:13,0.013  
04/09/2015,16:14:13,0.013  
04/09/2015,16:15:13,0.014  
04/09/2015,16:16:13,0.014  
04/09/2015,16:17:13,0.014  
04/09/2015,16:18:13,0.014  
04/09/2015,16:19:13,0.014  
04/09/2015,16:20:13,0.016  
04/09/2015,16:21:13,0.018  
04/09/2015,16:22:13,0.021  
04/09/2015,16:23:13,0.015

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,05/11/2015  
Start Time:,08:05:17  
Duration (dd:hh:mm:ss):,0:06:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,27  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.048  
,Minimum:,0.038  
,Time of Minimum:,09:50:17  
,Date of Minimum:,05/11/2015  
,Maximum:,0.066  
,Time of Maximum:,08:20:17  
,Date of Maximum:,05/11/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/11/2015,08:20:17,0.066  
05/11/2015,08:35:17,0.061  
05/11/2015,08:50:17,0.054  
05/11/2015,09:05:17,0.049  
05/11/2015,09:20:17,0.051  
05/11/2015,09:35:17,0.044  
05/11/2015,09:50:17,0.038  
05/11/2015,10:05:17,0.038  
05/11/2015,10:20:17,0.040  
05/11/2015,10:35:17,0.041  
05/11/2015,10:50:17,0.043  
05/11/2015,11:05:17,0.043  
05/11/2015,11:20:17,0.040  
05/11/2015,11:35:17,0.042  
05/11/2015,11:50:17,0.043  
05/11/2015,12:05:17,0.048  
05/11/2015,12:20:17,0.046  
05/11/2015,12:35:17,0.049  
05/11/2015,12:50:17,0.052  
05/11/2015,13:05:17,0.056  
05/11/2015,13:20:17,0.058  
05/11/2015,13:35:17,0.056  
05/11/2015,13:50:17,0.053  
05/11/2015,14:05:17,0.050  
05/11/2015,14:20:17,0.049  
05/11/2015,14:35:17,0.047  
05/11/2015,14:50:17,0.045

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,05/11/2015  
Start Time:,13:09:30  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15



5-11-15 Downwind-1 Dust

Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.058  
,Minimum: ,0.054  
,Time of Minimum: ,13:23:30  
,Date of Minimum: ,05/11/2015  
,Maximum: ,0.075  
,Time of Maximum: ,13:10:30  
,Date of Maximum: ,05/11/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/11/2015,13:10:30,0.075  
05/11/2015,13:11:30,0.060  
05/11/2015,13:12:30,0.060  
05/11/2015,13:13:30,0.057  
05/11/2015,13:14:30,0.056  
05/11/2015,13:15:30,0.055  
05/11/2015,13:16:30,0.055  
05/11/2015,13:17:30,0.056  
05/11/2015,13:18:30,0.055  
05/11/2015,13:19:30,0.056  
05/11/2015,13:20:30,0.055  
05/11/2015,13:21:30,0.057  
05/11/2015,13:22:30,0.058  
05/11/2015,13:23:30,0.054  
05/11/2015,13:24:30,0.056

5-11-15 Downwind-1 VOC.prs

15/05/11 08:13

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-909560  
 Unit Firmware Ver V1.20  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 5/11/2015 08:13:54  
 End 5/11/2015 15:08:44  
 Sample Period(s) 900  
 Number of Records 27  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 1.000  
 High Alarm 5.000  
 Over Alarm 15000.000  
 STEL Alarm 25.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 5/11/2015 07:43  
 Peak N/A  
 Min N/A  
 Average N/A

\*\*\*\*\*

Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	5/11/2015 08:28:54	0.005	0.199
002	5/11/2015 08:43:54	0.000	0.000
003	5/11/2015 08:58:54	0.000	0.002
004	5/11/2015 09:13:54	0.014	0.033
005	5/11/2015 09:28:54	0.051	0.071
006	5/11/2015 09:43:54	0.088	0.111
007	5/11/2015 09:58:54	0.123	0.145
008	5/11/2015 10:13:54	0.152	0.162
009	5/11/2015 10:28:54	0.161	0.177
010	5/11/2015 10:43:54	0.192	0.213
011	5/11/2015 10:58:54	0.202	0.215
012	5/11/2015 11:13:54	0.216	0.239
013	5/11/2015 11:28:54	0.240	0.253
014	5/11/2015 11:43:54	0.245	0.256
015	5/11/2015 11:58:54	0.252	0.275
016	5/11/2015 12:13:54	0.238	0.282
017	5/11/2015 12:28:54	0.205	0.223
018	5/11/2015 12:43:54	0.190	0.204
019	5/11/2015 12:58:54	0.176	0.186
020	5/11/2015 13:13:54	0.172	0.181
021	5/11/2015 13:28:54	0.172	0.184
022	5/11/2015 13:43:54	0.173	0.186
023	5/11/2015 13:58:54	0.192	0.214
024	5/11/2015 14:13:54	0.216	0.232
025	5/11/2015 14:28:54	0.222	0.240

5-11-15 Downwind-1 VOC.prs  
026 5/11/2015 14:43:54 0.233 0.252  
027 5/11/2015 14:58:54 0.247 0.262  
Peak 0.252 0.282  
Min 0.000 0.000  
Average 0.162 0.185

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,05/11/2015  
Start Time:,08:06:21  
Duration (dd:hh:mm:ss):,0:07:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,28  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.044  
,Minimum:,0.032  
,Time of Minimum:,09:51:21  
,Date of Minimum:,05/11/2015  
,Maximum:,0.064  
,Time of Maximum:,08:21:21  
,Date of Maximum:,05/11/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/11/2015,08:21:21,0.064  
05/11/2015,08:36:21,0.057  
05/11/2015,08:51:21,0.052  
05/11/2015,09:06:21,0.042  
05/11/2015,09:21:21,0.044  
05/11/2015,09:36:21,0.039  
05/11/2015,09:51:21,0.032  
05/11/2015,10:06:21,0.033  
05/11/2015,10:21:21,0.033  
05/11/2015,10:36:21,0.034  
05/11/2015,10:51:21,0.038  
05/11/2015,11:06:21,0.039  
05/11/2015,11:21:21,0.037  
05/11/2015,11:36:21,0.037  
05/11/2015,11:51:21,0.041  
05/11/2015,12:06:21,0.045  
05/11/2015,12:21:21,0.043  
05/11/2015,12:36:21,0.043  
05/11/2015,12:51:21,0.047  
05/11/2015,13:06:21,0.049  
05/11/2015,13:21:21,0.050  
05/11/2015,13:36:21,0.054  
05/11/2015,13:51:21,0.052  
05/11/2015,14:06:21,0.047  
05/11/2015,14:21:21,0.046  
05/11/2015,14:36:21,0.045  
05/11/2015,14:51:21,0.040  
05/11/2015,15:06:21,0.040

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,05/11/2015  
Start Time:,08:06:22  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00

5-11-15 Downwind-2 Dust

Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.064  
,Minimum:,0.059  
,Time of Minimum:,08:19:22  
,Date of Minimum:,05/11/2015  
,Maximum:,0.096  
,Time of Maximum:,08:07:22  
,Date of Maximum:,05/11/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
05/11/2015,08:07:22,0.096  
05/11/2015,08:08:22,0.066  
05/11/2015,08:09:22,0.065  
05/11/2015,08:10:22,0.064  
05/11/2015,08:11:22,0.064  
05/11/2015,08:12:22,0.063  
05/11/2015,08:13:22,0.064  
05/11/2015,08:14:22,0.062  
05/11/2015,08:15:22,0.062  
05/11/2015,08:16:22,0.060  
05/11/2015,08:17:22,0.061  
05/11/2015,08:18:22,0.061  
05/11/2015,08:19:22,0.059  
05/11/2015,08:20:22,0.059  
05/11/2015,08:21:22,0.059

15/05/11 08:17

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 5/11/2015 08:17:35  
 End 5/11/2015 15:18:03  
 Sample Period(s) 900  
 Number of Records 28  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 21.738  
 High Alarm 43.476  
 Over Alarm 15000.000  
 STEL Alarm 43.476  
 TWA Alarm 4.725  
 Measurement Gas Isobutylene  
 Calibration Time 5/11/2015 07:48  
 Peak N/A  
 Min N/A  
 Average N/A

\*\*\*\*\*

Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	5/11/2015 08:32:35	0.033	0.967
002	5/11/2015 08:47:35	0.000	0.000
003	5/11/2015 09:02:35	0.000	0.000
004	5/11/2015 09:17:35	0.000	0.000
005	5/11/2015 09:32:35	0.000	0.000
006	5/11/2015 09:47:35	0.000	0.000
007	5/11/2015 10:02:35	0.000	0.000
008	5/11/2015 10:17:35	0.000	0.000
009	5/11/2015 10:32:35	0.000	0.000
010	5/11/2015 10:47:35	0.000	0.000
011	5/11/2015 11:02:35	0.000	0.000
012	5/11/2015 11:17:35	0.000	0.000
013	5/11/2015 11:32:35	0.000	0.000
014	5/11/2015 11:47:35	0.000	0.000
015	5/11/2015 12:02:35	0.000	0.000
016	5/11/2015 12:17:35	0.000	0.000
017	5/11/2015 12:32:35	0.000	0.000
018	5/11/2015 12:47:35	0.000	0.000
019	5/11/2015 13:02:35	0.000	0.000
020	5/11/2015 13:17:35	0.000	0.000
021	5/11/2015 13:32:35	0.000	0.000
022	5/11/2015 13:47:35	0.000	0.000
023	5/11/2015 14:02:35	0.000	0.000
024	5/11/2015 14:17:35	0.000	0.000
025	5/11/2015 14:32:35	0.000	0.000

5-11-15 Downwind-2 VOC.prs

026	5/11/2015	14:47:35	0.000	0.000
027	5/11/2015	15:02:35	0.000	0.000
028	5/11/2015	15:17:35	0.000	0.000
Peak		0.033	0.967	
Min		0.000	0.000	
Average		0.001	0.035	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,05/11/2015  
Start Time:,08:15:11  
Duration (dd:hh:mm:ss):,0:06:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,27  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.047  
,Minimum:,0.039  
,Time of Minimum:,10:00:11  
,Date of Minimum:,05/11/2015  
,Maximum:,0.065  
,Time of Maximum:,08:30:11  
,Date of Maximum:,05/11/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/11/2015,08:30:11,0.065  
05/11/2015,08:45:11,0.059  
05/11/2015,09:00:11,0.050  
05/11/2015,09:15:11,0.049  
05/11/2015,09:30:11,0.049  
05/11/2015,09:45:11,0.040  
05/11/2015,10:00:11,0.039  
05/11/2015,10:15:11,0.039  
05/11/2015,10:30:11,0.042  
05/11/2015,10:45:11,0.043  
05/11/2015,11:00:11,0.042  
05/11/2015,11:15:11,0.042  
05/11/2015,11:30:11,0.042  
05/11/2015,11:45:11,0.045  
05/11/2015,12:00:11,0.044  
05/11/2015,12:15:11,0.045  
05/11/2015,12:30:11,0.046  
05/11/2015,12:45:11,0.048  
05/11/2015,13:00:11,0.054  
05/11/2015,13:15:11,0.055  
05/11/2015,13:30:11,0.054  
05/11/2015,13:45:11,0.053  
05/11/2015,14:00:11,0.049  
05/11/2015,14:15:11,0.046  
05/11/2015,14:30:11,0.045  
05/11/2015,14:45:11,0.043  
05/11/2015,15:00:11,0.041

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,05/11/2015  
Start Time:,08:15:12  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15



5-11-15 Upwind Dust

Notes: ,

Statistics,Channel: ,AEROSOL  
 ,Units: ,mg/m<sup>3</sup>  
 ,Average: ,0.065  
 ,Minimum: ,0.062  
 ,Time of Minimum: ,08:30:12  
 ,Date of Minimum: ,05/11/2015  
 ,Maximum: ,0.078  
 ,Time of Maximum: ,08:16:12  
 ,Date of Maximum: ,05/11/2015

Calibration,Sensor: ,AEROSOL  
 ,Cal. date,08/14/2014

Date,Time,AEROSOL  
 MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
 05/11/2015,08:16:12,0.078  
 05/11/2015,08:17:12,0.065  
 05/11/2015,08:18:12,0.064  
 05/11/2015,08:19:12,0.065  
 05/11/2015,08:20:12,0.064  
 05/11/2015,08:21:12,0.063  
 05/11/2015,08:22:12,0.063  
 05/11/2015,08:23:12,0.063  
 05/11/2015,08:24:12,0.065  
 05/11/2015,08:25:12,0.064  
 05/11/2015,08:26:12,0.064  
 05/11/2015,08:27:12,0.065  
 05/11/2015,08:28:12,0.065  
 05/11/2015,08:29:12,0.063  
 05/11/2015,08:30:12,0.062

Model: ,DustTrak II  
 Model Number: ,8530  
 Serial Number: ,8530143315  
 Test ID: ,001  
 Test Abbreviation: ,MANUAL\_001\_B  
 Start Date: ,05/11/2015  
 Start Time: ,12:57:27  
 Duration (dd:hh:mm:ss): ,0:00:15:00  
 Log Interval (mm:ss): ,01:00  
 Number of points: ,15  
 Notes: ,

Statistics,Channel: ,AEROSOL  
 ,Units: ,mg/m<sup>3</sup>  
 ,Average: ,0.055  
 ,Minimum: ,0.053  
 ,Time of Minimum: ,13:12:27  
 ,Date of Minimum: ,05/11/2015  
 ,Maximum: ,0.066  
 ,Time of Maximum: ,12:58:27  
 ,Date of Maximum: ,05/11/2015

Calibration,Sensor: ,AEROSOL  
 ,Cal. date,08/14/2014

Date,Time,AEROSOL  
 MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
 05/11/2015,12:58:27,0.066  
 05/11/2015,12:59:27,0.054  
 05/11/2015,13:00:27,0.054  
 05/11/2015,13:01:27,0.054  
 05/11/2015,13:02:27,0.055  
 05/11/2015,13:03:27,0.055  
 05/11/2015,13:04:27,0.055

5-11-15 Upwind Dust

05/11/2015,13:05:27,0.055  
05/11/2015,13:06:27,0.055  
05/11/2015,13:07:27,0.055  
05/11/2015,13:08:27,0.055  
05/11/2015,13:09:27,0.055  
05/11/2015,13:10:27,0.054  
05/11/2015,13:11:27,0.055  
05/11/2015,13:12:27,0.053

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,005  
Test Abbreviation:,MANUAL\_005  
Start Date:,05/01/2015  
Start Time:,07:40:27  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.010  
,Minimum:,0.003  
,Time of Minimum:,12:55:27  
,Date of Minimum:,05/01/2015  
,Maximum:,0.021  
,Time of Maximum:,08:55:27  
,Date of Maximum:,05/01/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL

MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/01/2015,07:55:27,0.012  
05/01/2015,08:10:27,0.012  
05/01/2015,08:25:27,0.011  
05/01/2015,08:40:27,0.013  
05/01/2015,08:55:27,0.021  
05/01/2015,09:10:27,0.021  
05/01/2015,09:25:27,0.019  
05/01/2015,09:40:27,0.020  
05/01/2015,09:55:27,0.018  
05/01/2015,10:10:27,0.017  
05/01/2015,10:25:27,0.020  
05/01/2015,10:40:27,0.011  
05/01/2015,10:55:27,0.009  
05/01/2015,11:10:27,0.005  
05/01/2015,11:25:27,0.004  
05/01/2015,11:40:27,0.008  
05/01/2015,11:55:27,0.004  
05/01/2015,12:10:27,0.004  
05/01/2015,12:25:27,0.007  
05/01/2015,12:40:27,0.006  
05/01/2015,12:55:27,0.003  
05/01/2015,13:10:27,0.003  
05/01/2015,13:25:27,0.006  
05/01/2015,13:40:27,0.009  
05/01/2015,13:55:27,0.017  
05/01/2015,14:10:27,0.010  
05/01/2015,14:25:27,0.003  
05/01/2015,14:40:27,0.006  
05/01/2015,14:55:27,0.005

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_A  
Start Date:,05/01/2015  
Start Time:,08:51:08  
Duration (dd:hh:mm:ss):,0:00:15:00

5-1-15 Downwind-1 Dust

Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.019  
,Minimum:,0.008  
,Time of Minimum:,08:54:08  
,Date of Minimum:,05/01/2015  
,Maximum:,0.045  
,Time of Maximum:,08:52:08  
,Date of Maximum:,05/01/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/01/2015,08:52:08,0.045  
05/01/2015,08:53:08,0.013  
05/01/2015,08:54:08,0.008  
05/01/2015,08:55:08,0.008  
05/01/2015,08:56:08,0.014  
05/01/2015,08:57:08,0.037  
05/01/2015,08:58:08,0.026  
05/01/2015,08:59:08,0.028  
05/01/2015,09:00:08,0.014  
05/01/2015,09:01:08,0.009  
05/01/2015,09:02:08,0.010  
05/01/2015,09:03:08,0.016  
05/01/2015,09:04:08,0.030  
05/01/2015,09:05:08,0.012  
05/01/2015,09:06:08,0.013

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_B  
Start Date:,05/01/2015  
Start Time:,10:19:49  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.014  
,Minimum:,0.006  
,Time of Minimum:,10:25:49  
,Date of Minimum:,05/01/2015  
,Maximum:,0.049  
,Time of Maximum:,10:20:49  
,Date of Maximum:,05/01/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/01/2015,10:20:49,0.049  
05/01/2015,10:21:49,0.009  
05/01/2015,10:22:49,0.011  
05/01/2015,10:23:49,0.014  
05/01/2015,10:24:49,0.012

5-1-15 Downwind-1 Dust

05/01/2015,10:25:49,0.006  
05/01/2015,10:26:49,0.031  
05/01/2015,10:27:49,0.018  
05/01/2015,10:28:49,0.008  
05/01/2015,10:29:49,0.006  
05/01/2015,10:30:49,0.007  
05/01/2015,10:31:49,0.015  
05/01/2015,10:32:49,0.006  
05/01/2015,10:33:49,0.006  
05/01/2015,10:34:49,0.006

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530141112  
Test ID: ,005  
Test Abbreviation: ,MANUAL\_005\_C  
Start Date: ,05/01/2015  
Start Time: ,13:51:02  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.018  
,Minimum: ,0.000  
,Time of Minimum: ,14:06:02  
,Date of Minimum: ,05/01/2015  
,Maximum: ,0.108  
,Time of Maximum: ,13:52:02  
,Date of Maximum: ,05/01/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/01/2015,13:52:02,0.108  
05/01/2015,13:53:02,0.021  
05/01/2015,13:54:02,0.038  
05/01/2015,13:55:02,0.004  
05/01/2015,13:56:02,0.013  
05/01/2015,13:57:02,0.024  
05/01/2015,13:58:02,0.006  
05/01/2015,13:59:02,0.005  
05/01/2015,14:00:02,0.024  
05/01/2015,14:01:02,0.012  
05/01/2015,14:02:02,0.008  
05/01/2015,14:03:02,0.006  
05/01/2015,14:04:02,0.001  
05/01/2015,14:05:02,0.005  
05/01/2015,14:06:02,0.000

15/05/01 07:46

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-909560  
 Unit Firmware Ver V1.20  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 5/1/2015 07:46:54  
 End 5/1/2015 15:05:09  
 Sample Period(s) 900  
 Number of Records 29  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 1.000  
 High Alarm 5.000  
 Over Alarm 15000.000  
 STEL Alarm 25.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 5/1/2015 07:32  
 Peak N/A  
 Min N/A  
 Average N/A

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	5/1/2015 08:01:54	0.007	0.300
002	5/1/2015 08:16:54	0.000	0.000
003	5/1/2015 08:31:54	0.000	0.011
004	5/1/2015 08:46:54	0.000	0.000
005	5/1/2015 09:01:54	0.000	0.000
006	5/1/2015 09:16:54	0.000	0.003
007	5/1/2015 09:31:54	0.000	0.000
008	5/1/2015 09:46:54	0.000	0.000
009	5/1/2015 10:01:54	0.000	0.029
010	5/1/2015 10:16:54	0.000	0.000
011	5/1/2015 10:31:54	0.000	0.004
012	5/1/2015 10:46:54	0.000	0.023
013	5/1/2015 11:01:54	0.000	0.000
014	5/1/2015 11:16:54	0.000	0.000
015	5/1/2015 11:31:54	0.000	0.000
016	5/1/2015 11:46:54	0.000	0.000
017	5/1/2015 12:01:54	0.000	0.000
018	5/1/2015 12:16:54	0.000	0.002
019	5/1/2015 12:31:54	0.000	0.019
020	5/1/2015 12:46:54	0.000	0.033
021	5/1/2015 13:01:54	0.000	0.020
022	5/1/2015 13:16:54	0.000	0.003
023	5/1/2015 13:31:54	0.004	0.170
024	5/1/2015 13:46:54	0.015	0.262
025	5/1/2015 14:01:54	0.070	0.623

5-1-15 Downwind-1 VOC.prs

026	5/1/2015	14:16:54	0.056	0.317
027	5/1/2015	14:31:54	0.026	0.142
028	5/1/2015	14:46:54	0.036	0.237
029	5/1/2015	15:01:54	0.004	0.099
Peak		0.070	0.623	
Min		0.000	0.000	
Average		0.008	0.079	

## TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,05/01/2015  
Start Time:,07:48:28  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.009  
,Minimum:,0.000  
,Time of Minimum:,14:48:28  
,Date of Minimum:,05/01/2015  
,Maximum:,0.025  
,Time of Maximum:,08:03:28  
,Date of Maximum:,05/01/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

## Date,Time,AEROSOL

MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/01/2015,08:03:28,0.025  
05/01/2015,08:18:28,0.010  
05/01/2015,08:33:28,0.019  
05/01/2015,08:48:28,0.011  
05/01/2015,09:03:28,0.008  
05/01/2015,09:18:28,0.006  
05/01/2015,09:33:28,0.007  
05/01/2015,09:48:28,0.006  
05/01/2015,10:03:28,0.004  
05/01/2015,10:18:28,0.005  
05/01/2015,10:33:28,0.008  
05/01/2015,10:48:28,0.007  
05/01/2015,11:03:28,0.014  
05/01/2015,11:18:28,0.018  
05/01/2015,11:33:28,0.018  
05/01/2015,11:48:28,0.006  
05/01/2015,12:03:28,0.014  
05/01/2015,12:18:28,0.011  
05/01/2015,12:33:28,0.005  
05/01/2015,12:48:28,0.004  
05/01/2015,13:03:28,0.011  
05/01/2015,13:18:28,0.008  
05/01/2015,13:33:28,0.005  
05/01/2015,13:48:28,0.001  
05/01/2015,14:03:28,0.003  
05/01/2015,14:18:28,0.002  
05/01/2015,14:33:28,0.006  
05/01/2015,14:48:28,0.000  
05/01/2015,15:03:28,0.012

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_A  
Start Date:,05/01/2015  
Start Time:,07:48:37  
Duration (dd:hh:mm:ss):,0:00:15:00



5-1-15 Downwind-2 Dust

Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.025  
,Minimum:,0.007  
,Time of Minimum:,07:57:37  
,Date of Minimum:,05/01/2015  
,Maximum:,0.110  
,Time of Maximum:,07:49:37  
,Date of Maximum:,05/01/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/01/2015,07:49:37,0.110  
05/01/2015,07:50:37,0.030  
05/01/2015,07:51:37,0.064  
05/01/2015,07:52:37,0.044  
05/01/2015,07:53:37,0.021  
05/01/2015,07:54:37,0.012  
05/01/2015,07:55:37,0.009  
05/01/2015,07:56:37,0.008  
05/01/2015,07:57:37,0.007  
05/01/2015,07:58:37,0.008  
05/01/2015,07:59:37,0.007  
05/01/2015,08:00:37,0.007  
05/01/2015,08:01:37,0.007  
05/01/2015,08:02:37,0.024  
05/01/2015,08:03:37,0.010

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_B  
Start Date:,05/01/2015  
Start Time:,11:03:52  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.018  
,Minimum:,0.007  
,Time of Minimum:,11:09:52  
,Date of Minimum:,05/01/2015  
,Maximum:,0.052  
,Time of Maximum:,11:04:52  
,Date of Maximum:,05/01/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/01/2015,11:04:52,0.052  
05/01/2015,11:05:52,0.040  
05/01/2015,11:06:52,0.031  
05/01/2015,11:07:52,0.022  
05/01/2015,11:08:52,0.011

5-1-15 Downwind-2 Dust

05/01/2015,11:09:52,0.007  
05/01/2015,11:10:52,0.007  
05/01/2015,11:11:52,0.015  
05/01/2015,11:12:52,0.012  
05/01/2015,11:13:52,0.009  
05/01/2015,11:14:52,0.014  
05/01/2015,11:15:52,0.013  
05/01/2015,11:16:52,0.008  
05/01/2015,11:17:52,0.009  
05/01/2015,11:18:52,0.013

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530122515  
Test ID: ,004  
Test Abbreviation: ,MANUAL\_004\_C  
Start Date: ,05/01/2015  
Start Time: ,11:27:23  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.014  
,Minimum: ,0.003  
,Time of Minimum: ,11:37:23  
,Date of Minimum: ,05/01/2015  
,Maximum: ,0.068  
,Time of Maximum: ,11:28:23  
,Date of Maximum: ,05/01/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/01/2015,11:28:23,0.068  
05/01/2015,11:29:23,0.014  
05/01/2015,11:30:23,0.012  
05/01/2015,11:31:23,0.037  
05/01/2015,11:32:23,0.006  
05/01/2015,11:33:23,0.007  
05/01/2015,11:34:23,0.007  
05/01/2015,11:35:23,0.007  
05/01/2015,11:36:23,0.004  
05/01/2015,11:37:23,0.003  
05/01/2015,11:38:23,0.015  
05/01/2015,11:39:23,0.010  
05/01/2015,11:40:23,0.007  
05/01/2015,11:41:23,0.008  
05/01/2015,11:42:23,0.007

15/05/01 07:57

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 5/1/2015 07:57:57  
 End 5/1/2015 15:19:12  
 Sample Period(s) 900  
 Number of Records 29  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 21.738  
 High Alarm 43.476  
 Over Alarm 15000.000  
 STEL Alarm 43.476  
 TWA Alarm 4.725  
 Measurement Gas Isobutylene  
 Calibration Time 5/1/2015 07:37  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	5/1/2015 08:12:57	0.015	0.551
002	5/1/2015 08:27:57	0.000	0.000
003	5/1/2015 08:42:57	0.000	0.000
004	5/1/2015 08:57:57	0.000	0.000
005	5/1/2015 09:12:57	0.000	0.000
006	5/1/2015 09:27:57	0.000	0.000
007	5/1/2015 09:42:57	0.000	0.000
008	5/1/2015 09:57:57	0.000	0.000
009	5/1/2015 10:12:57	0.000	0.000
010	5/1/2015 10:27:57	0.000	0.000
011	5/1/2015 10:42:57	0.000	0.000
012	5/1/2015 10:57:57	0.000	0.000
013	5/1/2015 11:12:57	0.000	0.000
014	5/1/2015 11:27:57	0.000	0.000
015	5/1/2015 11:42:57	0.000	0.000
016	5/1/2015 11:57:57	0.000	0.000
017	5/1/2015 12:12:57	0.000	0.000
018	5/1/2015 12:27:57	0.000	0.000
019	5/1/2015 12:42:57	0.000	0.000
020	5/1/2015 12:57:57	0.000	0.000
021	5/1/2015 13:12:57	0.000	0.000
022	5/1/2015 13:27:57	0.000	0.000
023	5/1/2015 13:42:57	0.000	0.000
024	5/1/2015 13:57:57	0.000	0.000
025	5/1/2015 14:12:57	0.000	0.000

5-1-15 Downwind-2 VOC.prs

026	5/1/2015	14:27:57	0.000	0.000
027	5/1/2015	14:42:57	0.000	0.000
028	5/1/2015	14:57:57	0.000	0.000
029	5/1/2015	15:12:57	0.000	0.000
Peak		0.015	0.551	
Min		0.000	0.000	
Average		0.001	0.019	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,005  
Test Abbreviation:,MANUAL\_005  
Start Date:,05/01/2015  
Start Time:,07:57:34  
Duration (dd:hh:mm:ss):,0:07:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,28  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.007  
,Minimum:,0.003  
,Time of Minimum:,13:12:34  
,Date of Minimum:,05/01/2015  
,Maximum:,0.018  
,Time of Maximum:,08:12:34  
,Date of Maximum:,05/01/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/01/2015,08:12:34,0.018  
05/01/2015,08:27:34,0.008  
05/01/2015,08:42:34,0.007  
05/01/2015,08:57:34,0.008  
05/01/2015,09:12:34,0.010  
05/01/2015,09:27:34,0.008  
05/01/2015,09:42:34,0.009  
05/01/2015,09:57:34,0.008  
05/01/2015,10:12:34,0.008  
05/01/2015,10:27:34,0.009  
05/01/2015,10:42:34,0.008  
05/01/2015,10:57:34,0.012  
05/01/2015,11:12:34,0.005  
05/01/2015,11:27:34,0.005  
05/01/2015,11:42:34,0.007  
05/01/2015,11:57:34,0.007  
05/01/2015,12:12:34,0.004  
05/01/2015,12:27:34,0.005  
05/01/2015,12:42:34,0.017  
05/01/2015,12:57:34,0.004  
05/01/2015,13:12:34,0.003  
05/01/2015,13:27:34,0.003  
05/01/2015,13:42:34,0.003  
05/01/2015,13:57:34,0.003  
05/01/2015,14:12:34,0.003  
05/01/2015,14:27:34,0.003  
05/01/2015,14:42:34,0.003  
05/01/2015,14:57:34,0.003

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_A  
Start Date:,05/01/2015  
Start Time:,07:57:35  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00

5-1-15 Upwind Dust

Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.018  
,Minimum:,0.007  
,Time of Minimum:,08:12:35  
,Date of Minimum:,05/01/2015  
,Maximum:,0.154  
,Time of Maximum:,07:58:35  
,Date of Maximum:,05/01/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
05/01/2015,07:58:35,0.154  
05/01/2015,07:59:35,0.009  
05/01/2015,08:00:35,0.008  
05/01/2015,08:01:35,0.008  
05/01/2015,08:02:35,0.008  
05/01/2015,08:03:35,0.008  
05/01/2015,08:04:35,0.014  
05/01/2015,08:05:35,0.008  
05/01/2015,08:06:35,0.008  
05/01/2015,08:07:35,0.008  
05/01/2015,08:08:35,0.009  
05/01/2015,08:09:35,0.008  
05/01/2015,08:10:35,0.008  
05/01/2015,08:11:35,0.009  
05/01/2015,08:12:35,0.007

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_B  
Start Date:,05/01/2015  
Start Time:,10:56:51  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.010  
,Minimum:,0.004  
,Time of Minimum:,11:01:51  
,Date of Minimum:,05/01/2015  
,Maximum:,0.077  
,Time of Maximum:,10:57:51  
,Date of Maximum:,05/01/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
05/01/2015,10:57:51,0.077  
05/01/2015,10:58:51,0.006  
05/01/2015,10:59:51,0.005  
05/01/2015,11:00:51,0.005  
05/01/2015,11:01:51,0.004  
05/01/2015,11:02:51,0.004

5-1-15 Upwind Dust

05/01/2015,11:03:51,0.006  
05/01/2015,11:04:51,0.005  
05/01/2015,11:05:51,0.004  
05/01/2015,11:06:51,0.004  
05/01/2015,11:07:51,0.004  
05/01/2015,11:08:51,0.004  
05/01/2015,11:09:51,0.004  
05/01/2015,11:10:51,0.005  
05/01/2015,11:11:51,0.005

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_C  
Start Date:,05/01/2015  
Start Time:,12:33:09  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.018  
,Minimum:,0.003  
,Time of Minimum:,12:42:09  
,Date of Minimum:,05/01/2015  
,Maximum:,0.142  
,Time of Maximum:,12:34:09  
,Date of Maximum:,05/01/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/01/2015,12:34:09,0.142  
05/01/2015,12:35:09,0.005  
05/01/2015,12:36:09,0.004  
05/01/2015,12:37:09,0.008  
05/01/2015,12:38:09,0.017  
05/01/2015,12:39:09,0.005  
05/01/2015,12:40:09,0.035  
05/01/2015,12:41:09,0.004  
05/01/2015,12:42:09,0.003  
05/01/2015,12:43:09,0.003  
05/01/2015,12:44:09,0.009  
05/01/2015,12:45:09,0.008  
05/01/2015,12:46:09,0.015  
05/01/2015,12:47:09,0.003  
05/01/2015,12:48:09,0.003

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530122518  
Test ID: ,001  
Test Abbreviation: ,MANUAL\_001  
Start Date: ,05/12/2015  
Start Time: ,08:13:05  
Duration (dd:hh:mm:ss): ,0:06:30:00  
Log Interval (mm:ss): ,15:00  
Number of points: ,26  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m^3  
,Average: ,0.013  
,Minimum: ,0.010  
,Time of Minimum: ,13:58:05  
,Date of Minimum: ,05/12/2015  
,Maximum: ,0.019  
,Time of Maximum: ,08:28:05  
,Date of Maximum: ,05/12/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,04/29/2015

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m^3  
05/12/2015,08:28:05,0.019  
05/12/2015,08:43:05,0.014  
05/12/2015,08:58:05,0.012  
05/12/2015,09:13:05,0.013  
05/12/2015,09:28:05,0.013  
05/12/2015,09:43:05,0.012  
05/12/2015,09:58:05,0.014  
05/12/2015,10:13:05,0.014  
05/12/2015,10:28:05,0.013  
05/12/2015,10:43:05,0.011  
05/12/2015,10:58:05,0.011  
05/12/2015,11:13:05,0.011  
05/12/2015,11:28:05,0.012  
05/12/2015,11:43:05,0.012  
05/12/2015,11:58:05,0.012  
05/12/2015,12:13:05,0.012  
05/12/2015,12:28:05,0.012  
05/12/2015,12:43:05,0.012  
05/12/2015,12:58:05,0.013  
05/12/2015,13:13:05,0.014  
05/12/2015,13:28:05,0.016  
05/12/2015,13:43:05,0.013  
05/12/2015,13:58:05,0.010  
05/12/2015,14:13:05,0.010  
05/12/2015,14:28:05,0.010  
05/12/2015,14:43:05,0.011



5-12-15 Downwind-1 VOC.prs

15/05/12 08:15

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-909560  
 Unit Firmware Ver V1.20  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 5/12/2015 08:15:05  
 End 5/12/2015 15:00:05  
 Sample Period(s) 900  
 Number of Records 27  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 1.000  
 High Alarm 5.000  
 Over Alarm 15000.000  
 STEL Alarm 25.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 5/12/2015 07:38  
 Peak N/A  
 Min N/A  
 Average N/A

\*\*\*\*\*

Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	5/12/2015 08:30:05	0.004	0.151
002	5/12/2015 08:45:05	0.011	0.028
003	5/12/2015 09:00:05	0.030	0.042
004	5/12/2015 09:15:05	0.044	0.060
005	5/12/2015 09:30:05	0.062	0.078
006	5/12/2015 09:45:05	0.077	0.100
007	5/12/2015 10:00:05	0.090	0.104
008	5/12/2015 10:15:05	0.108	0.123
009	5/12/2015 10:30:05	0.121	0.136
010	5/12/2015 10:45:05	0.137	0.153
011	5/12/2015 11:00:05	0.153	0.164
012	5/12/2015 11:15:05	0.165	0.180
013	5/12/2015 11:30:05	0.184	0.197
014	5/12/2015 11:45:05	0.187	0.200
015	5/12/2015 12:00:05	0.181	0.190
016	5/12/2015 12:15:05	0.183	0.193
017	5/12/2015 12:30:05	0.186	0.195
018	5/12/2015 12:45:05	0.201	0.215
019	5/12/2015 13:00:05	0.217	0.227
020	5/12/2015 13:15:05	0.213	0.227
021	5/12/2015 13:30:05	0.192	0.209
022	5/12/2015 13:45:05	0.176	0.188
023	5/12/2015 14:00:05	0.169	0.177
024	5/12/2015 14:15:05	0.164	0.174
025	5/12/2015 14:30:05	0.161	0.171

5-12-15 Downwind-1 VOC.prs

026	5/12/2015	14:45:05	0.156	0.166
027	5/12/2015	15:00:05	0.154	0.163
Peak		0.217	0.227	
Min		0.004	0.028	
Average		0.138	0.156	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,05/12/2015  
Start Time:,08:06:56  
Duration (dd:hh:mm:ss):,0:06:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,27  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.011  
,Minimum:,0.008  
,Time of Minimum:,11:06:56  
,Date of Minimum:,05/12/2015  
,Maximum:,0.018  
,Time of Maximum:,08:21:56  
,Date of Maximum:,05/12/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/12/2015,08:21:56,0.018  
05/12/2015,08:36:56,0.013  
05/12/2015,08:51:56,0.010  
05/12/2015,09:06:56,0.011  
05/12/2015,09:21:56,0.010  
05/12/2015,09:36:56,0.010  
05/12/2015,09:51:56,0.011  
05/12/2015,10:06:56,0.011  
05/12/2015,10:21:56,0.011  
05/12/2015,10:36:56,0.010  
05/12/2015,10:51:56,0.009  
05/12/2015,11:06:56,0.008  
05/12/2015,11:21:56,0.008  
05/12/2015,11:36:56,0.009  
05/12/2015,11:51:56,0.010  
05/12/2015,12:06:56,0.009  
05/12/2015,12:21:56,0.009  
05/12/2015,12:36:56,0.009  
05/12/2015,12:51:56,0.010  
05/12/2015,13:06:56,0.012  
05/12/2015,13:21:56,0.013  
05/12/2015,13:36:56,0.013  
05/12/2015,13:51:56,0.010  
05/12/2015,14:06:56,0.009  
05/12/2015,14:21:56,0.010  
05/12/2015,14:36:56,0.012  
05/12/2015,14:51:56,0.012

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_A  
Start Date:,05/12/2015  
Start Time:,08:06:57  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15

Notes: ,

Statistics,Channel: ,AEROSOL  
 ,Units: ,mg/m<sup>3</sup>  
 ,Average: ,0.018  
 ,Minimum: ,0.013  
 ,Time of Minimum: ,08:18:57  
 ,Date of Minimum: ,05/12/2015  
 ,Maximum: ,0.048  
 ,Time of Maximum: ,08:07:57  
 ,Date of Maximum: ,05/12/2015

Calibration,Sensor: ,AEROSOL  
 ,Cal. date,10/09/2014

Date,Time,AEROSOL  
 MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
 05/12/2015,08:07:57,0.048  
 05/12/2015,08:08:57,0.017  
 05/12/2015,08:09:57,0.018  
 05/12/2015,08:10:57,0.017  
 05/12/2015,08:11:57,0.016  
 05/12/2015,08:12:57,0.015  
 05/12/2015,08:13:57,0.017  
 05/12/2015,08:14:57,0.018  
 05/12/2015,08:15:57,0.015  
 05/12/2015,08:16:57,0.015  
 05/12/2015,08:17:57,0.015  
 05/12/2015,08:18:57,0.013  
 05/12/2015,08:19:57,0.014  
 05/12/2015,08:20:57,0.013  
 05/12/2015,08:21:57,0.015

Model: ,DustTrak II  
 Model Number: ,8530  
 Serial Number: ,8530122515  
 Test ID: ,002  
 Test Abbreviation: ,MANUAL\_002\_B  
 Start Date: ,05/12/2015  
 Start Time: ,10:20:09  
 Duration (dd:hh:mm:ss): ,0:00:15:00  
 Log Interval (mm:ss): ,01:00  
 Number of points: ,15  
 Notes: ,

Statistics,Channel: ,AEROSOL  
 ,Units: ,mg/m<sup>3</sup>  
 ,Average: ,0.011  
 ,Minimum: ,0.008  
 ,Time of Minimum: ,10:32:09  
 ,Date of Minimum: ,05/12/2015  
 ,Maximum: ,0.022  
 ,Time of Maximum: ,10:21:09  
 ,Date of Maximum: ,05/12/2015

Calibration,Sensor: ,AEROSOL  
 ,Cal. date,10/09/2014

Date,Time,AEROSOL  
 MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
 05/12/2015,10:21:09,0.022  
 05/12/2015,10:22:09,0.011  
 05/12/2015,10:23:09,0.011  
 05/12/2015,10:24:09,0.012  
 05/12/2015,10:25:09,0.011  
 05/12/2015,10:26:09,0.010  
 05/12/2015,10:27:09,0.012

5-12-15 Downwind-2 Dust

05/12/2015,10:28:09,0.009  
05/12/2015,10:29:09,0.009  
05/12/2015,10:30:09,0.011  
05/12/2015,10:31:09,0.010  
05/12/2015,10:32:09,0.008  
05/12/2015,10:33:09,0.008  
05/12/2015,10:34:09,0.008  
05/12/2015,10:35:09,0.010

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_C  
Start Date:,05/12/2015  
Start Time:,10:41:55  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.009  
,Minimum:,0.007  
,Time of Minimum:,10:43:55  
,Date of Minimum:,05/12/2015  
,Maximum:,0.017  
,Time of Maximum:,10:42:55  
,Date of Maximum:,05/12/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/12/2015,10:42:55,0.017  
05/12/2015,10:43:55,0.007  
05/12/2015,10:44:55,0.008  
05/12/2015,10:45:55,0.009  
05/12/2015,10:46:55,0.008  
05/12/2015,10:47:55,0.009  
05/12/2015,10:48:55,0.007  
05/12/2015,10:49:55,0.008  
05/12/2015,10:50:55,0.007  
05/12/2015,10:51:55,0.008  
05/12/2015,10:52:55,0.008  
05/12/2015,10:53:55,0.007  
05/12/2015,10:54:55,0.008  
05/12/2015,10:55:55,0.008  
05/12/2015,10:56:55,0.009

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_D  
Start Date:,05/12/2015  
Start Time:,12:44:52  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.011

5-12-15 Downwind-2 Dust

,Minimum:,0.009  
,Time of Minimum: ,12:46:52  
,Date of Minimum: ,05/12/2015  
,Maximum:,0.015  
,Time of Maximum: ,12:45:52  
,Date of Maximum: ,05/12/2015

Calibration, Sensor: ,AEROSOL  
,Cal. date,10/09/2014

Date, Time, AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
05/12/2015, 12:45:52, 0.015  
05/12/2015, 12:46:52, 0.009  
05/12/2015, 12:47:52, 0.010  
05/12/2015, 12:48:52, 0.010  
05/12/2015, 12:49:52, 0.010  
05/12/2015, 12:50:52, 0.011  
05/12/2015, 12:51:52, 0.011  
05/12/2015, 12:52:52, 0.012  
05/12/2015, 12:53:52, 0.011  
05/12/2015, 12:54:52, 0.010  
05/12/2015, 12:55:52, 0.012  
05/12/2015, 12:56:52, 0.011  
05/12/2015, 12:57:52, 0.011  
05/12/2015, 12:58:52, 0.011  
05/12/2015, 12:59:52, 0.012

Model: ,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530122515  
Test ID: ,002  
Test Abbreviation: ,MANUAL\_002\_E  
Start Date: ,05/12/2015  
Start Time: ,13:44:25  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics, Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.010  
,Minimum: ,0.007  
,Time of Minimum: ,13:51:25  
,Date of Minimum: ,05/12/2015  
,Maximum: ,0.022  
,Time of Maximum: ,13:45:25  
,Date of Maximum: ,05/12/2015

Calibration, Sensor: ,AEROSOL  
,Cal. date,10/09/2014

Date, Time, AEROSOL  
MM/dd/yyyy, hh:mm:ss, mg/m<sup>3</sup>  
05/12/2015, 13:45:25, 0.022  
05/12/2015, 13:46:25, 0.008  
05/12/2015, 13:47:25, 0.009  
05/12/2015, 13:48:25, 0.009  
05/12/2015, 13:49:25, 0.009  
05/12/2015, 13:50:25, 0.008  
05/12/2015, 13:51:25, 0.007  
05/12/2015, 13:52:25, 0.009  
05/12/2015, 13:53:25, 0.009  
05/12/2015, 13:54:25, 0.009  
05/12/2015, 13:55:25, 0.009  
05/12/2015, 13:56:25, 0.010

5-12-15 Downwind-2 Dust

05/12/2015,13:57:25,0.009  
05/12/2015,13:58:25,0.009  
05/12/2015,13:59:25,0.008

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530122515  
Test ID:.,002  
Test Abbreviation:.,MANUAL\_002\_F  
Start Date:.,05/12/2015  
Start Time:.,14:13:47  
Duration (dd:hh:mm:ss):.,0:00:15:00  
Log Interval (mm:ss):.,01:00  
Number of points:.,15  
Notes:.,

Statistics,Channel:.,AEROSOL  
,Units:.,mg/m<sup>3</sup>  
,Average:.,0.011  
,Minimum:.,0.007  
,Time of Minimum:.,14:15:47  
,Date of Minimum:.,05/12/2015  
,Maximum:.,0.018  
,Time of Maximum:.,14:14:47  
,Date of Maximum:.,05/12/2015

Calibration,Sensor:.,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/12/2015,14:14:47,0.018  
05/12/2015,14:15:47,0.007  
05/12/2015,14:16:47,0.011  
05/12/2015,14:17:47,0.009  
05/12/2015,14:18:47,0.009  
05/12/2015,14:19:47,0.010  
05/12/2015,14:20:47,0.010  
05/12/2015,14:21:47,0.011  
05/12/2015,14:22:47,0.009  
05/12/2015,14:23:47,0.011  
05/12/2015,14:24:47,0.013  
05/12/2015,14:25:47,0.011  
05/12/2015,14:26:47,0.014  
05/12/2015,14:27:47,0.011  
05/12/2015,14:28:47,0.014

5-12-15 Downwind-2 VOC.prs

15/05/12 08:18

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 5/12/2015 08:18:22  
 End 5/12/2015 15:08:21  
 Sample Period(s) 900  
 Number of Records 27  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 21.738  
 High Alarm 43.476  
 Over Alarm 15000.000  
 STEL Alarm 43.476  
 TWA Alarm 4.725  
 Measurement Gas Isobutylene  
 Calibration Time 5/12/2015 07:46  
 Peak N/A  
 Min N/A  
 Average N/A

\*\*\*\*\*

Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	5/12/2015 08:33:22	0.019	0.558
002	5/12/2015 08:48:22	0.000	0.000
003	5/12/2015 09:03:22	0.000	0.000
004	5/12/2015 09:18:22	0.000	0.000
005	5/12/2015 09:33:22	0.000	0.000
006	5/12/2015 09:48:22	0.000	0.000
007	5/12/2015 10:03:22	0.000	0.000
008	5/12/2015 10:18:22	0.000	0.000
009	5/12/2015 10:33:22	0.000	0.000
010	5/12/2015 10:48:22	0.000	0.000
011	5/12/2015 11:03:22	0.000	0.000
012	5/12/2015 11:18:22	0.000	0.000
013	5/12/2015 11:33:22	0.000	0.000
014	5/12/2015 11:48:22	0.000	0.000
015	5/12/2015 12:03:22	0.000	0.000
016	5/12/2015 12:18:22	0.000	0.000
017	5/12/2015 12:33:22	0.000	0.000
018	5/12/2015 12:48:22	0.000	0.000
019	5/12/2015 13:03:22	0.000	0.000
020	5/12/2015 13:18:22	0.000	0.000
021	5/12/2015 13:33:22	0.000	0.000
022	5/12/2015 13:48:22	0.000	0.000
023	5/12/2015 14:03:22	0.000	0.000
024	5/12/2015 14:18:22	0.000	0.000
025	5/12/2015 14:33:22	0.000	0.000



5-12-15 Downwind-2 VOC.prs  
026 5/12/2015 14:48:22 0.000 0.000  
027 5/12/2015 15:03:22 0.000 0.000  
Peak 0.019 0.558  
Min 0.000 0.000  
Average 0.001 0.021

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,05/12/2015  
Start Time:,08:14:59  
Duration (dd:hh:mm:ss):,0:06:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,27  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.011  
,Minimum:,0.008  
,Time of Minimum:,13:59:59  
,Date of Minimum:,05/12/2015  
,Maximum:,0.023  
,Time of Maximum:,08:29:59  
,Date of Maximum:,05/12/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/12/2015,08:29:59,0.023  
05/12/2015,08:44:59,0.011  
05/12/2015,08:59:59,0.010  
05/12/2015,09:14:59,0.010  
05/12/2015,09:29:59,0.011  
05/12/2015,09:44:59,0.013  
05/12/2015,09:59:59,0.013  
05/12/2015,10:14:59,0.013  
05/12/2015,10:29:59,0.012  
05/12/2015,10:44:59,0.010  
05/12/2015,10:59:59,0.009  
05/12/2015,11:14:59,0.009  
05/12/2015,11:29:59,0.010  
05/12/2015,11:44:59,0.010  
05/12/2015,11:59:59,0.010  
05/12/2015,12:14:59,0.010  
05/12/2015,12:29:59,0.012  
05/12/2015,12:44:59,0.010  
05/12/2015,12:59:59,0.011  
05/12/2015,13:14:59,0.012  
05/12/2015,13:29:59,0.013  
05/12/2015,13:44:59,0.009  
05/12/2015,13:59:59,0.008  
05/12/2015,14:14:59,0.008  
05/12/2015,14:29:59,0.009  
05/12/2015,14:44:59,0.009  
05/12/2015,14:59:59,0.010

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_A  
Start Date:,05/12/2015  
Start Time:,08:15:00  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15

5-12-15 Upwind Dust

Notes: ,

Statistics,Channel: ,AEROSOL  
 ,Units: ,mg/m^3  
 ,Average: ,0.023  
 ,Minimum: ,0.012  
 ,Time of Minimum: ,08:30:00  
 ,Date of Minimum: ,05/12/2015  
 ,Maximum: ,0.156  
 ,Time of Maximum: ,08:16:00  
 ,Date of Maximum: ,05/12/2015

Calibration,Sensor: ,AEROSOL  
 ,Cal. date,08/14/2014

Date,Time,AEROSOL  
 MM/dd/yyyy, hh:mm:ss,mg/m^3  
 05/12/2015,08:16:00,0.156  
 05/12/2015,08:17:00,0.015  
 05/12/2015,08:18:00,0.014  
 05/12/2015,08:19:00,0.015  
 05/12/2015,08:20:00,0.015  
 05/12/2015,08:21:00,0.014  
 05/12/2015,08:22:00,0.014  
 05/12/2015,08:23:00,0.014  
 05/12/2015,08:24:00,0.014  
 05/12/2015,08:25:00,0.014  
 05/12/2015,08:26:00,0.014  
 05/12/2015,08:27:00,0.013  
 05/12/2015,08:28:00,0.013  
 05/12/2015,08:29:00,0.014  
 05/12/2015,08:30:00,0.012

Model: ,DustTrak II  
 Model Number: ,8530  
 Serial Number: ,8530143315  
 Test ID: ,002  
 Test Abbreviation: ,MANUAL\_002\_B  
 Start Date: ,05/12/2015  
 Start Time: ,09:35:32  
 Duration (dd:hh:mm:ss): ,0:00:15:00  
 Log Interval (mm:ss): ,01:00  
 Number of points: ,15  
 Notes: ,

Statistics,Channel: ,AEROSOL  
 ,Units: ,mg/m^3  
 ,Average: ,0.014  
 ,Minimum: ,0.011  
 ,Time of Minimum: ,09:40:32  
 ,Date of Minimum: ,05/12/2015  
 ,Maximum: ,0.025  
 ,Time of Maximum: ,09:36:32  
 ,Date of Maximum: ,05/12/2015

Calibration,Sensor: ,AEROSOL  
 ,Cal. date,08/14/2014

Date,Time,AEROSOL  
 MM/dd/yyyy, hh:mm:ss,mg/m^3  
 05/12/2015,09:36:32,0.025  
 05/12/2015,09:37:32,0.013  
 05/12/2015,09:38:32,0.013  
 05/12/2015,09:39:32,0.012  
 05/12/2015,09:40:32,0.011  
 05/12/2015,09:41:32,0.012  
 05/12/2015,09:42:32,0.012

5-12-15 Upwind Dust

05/12/2015,09:43:32,0.012  
05/12/2015,09:44:32,0.012  
05/12/2015,09:45:32,0.014  
05/12/2015,09:46:32,0.014  
05/12/2015,09:47:32,0.014  
05/12/2015,09:48:32,0.014  
05/12/2015,09:49:32,0.014  
05/12/2015,09:50:32,0.014

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530143315  
Test ID: ,002  
Test Abbreviation: ,MANUAL\_002\_C  
Start Date: ,05/12/2015  
Start Time: ,10:06:14  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m^3  
,Average: ,0.013  
,Minimum: ,0.011  
,Time of Minimum: ,10:17:14  
,Date of Minimum: ,05/12/2015  
,Maximum: ,0.030  
,Time of Maximum: ,10:20:14  
,Date of Maximum: ,05/12/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m^3  
05/12/2015,10:07:14,0.017  
05/12/2015,10:08:14,0.012  
05/12/2015,10:09:14,0.012  
05/12/2015,10:10:14,0.013  
05/12/2015,10:11:14,0.012  
05/12/2015,10:12:14,0.013  
05/12/2015,10:13:14,0.012  
05/12/2015,10:14:14,0.012  
05/12/2015,10:15:14,0.012  
05/12/2015,10:16:14,0.012  
05/12/2015,10:17:14,0.011  
05/12/2015,10:18:14,0.011  
05/12/2015,10:19:14,0.012  
05/12/2015,10:20:14,0.030  
05/12/2015,10:21:14,0.011

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530143315  
Test ID: ,002  
Test Abbreviation: ,MANUAL\_002\_D  
Start Date: ,05/12/2015  
Start Time: ,11:33:01  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m^3  
,Average: ,0.010

5-12-15 Upwind Dust

,Minimum:,0.008  
,Time of Minimum:,11:44:01  
,Date of Minimum:,05/12/2015  
,Maximum:,0.022  
,Time of Maximum:,11:41:01  
,Date of Maximum:,05/12/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/12/2015,11:34:01,0.014  
05/12/2015,11:35:01,0.009  
05/12/2015,11:36:01,0.010  
05/12/2015,11:37:01,0.009  
05/12/2015,11:38:01,0.009  
05/12/2015,11:39:01,0.010  
05/12/2015,11:40:01,0.009  
05/12/2015,11:41:01,0.022  
05/12/2015,11:42:01,0.009  
05/12/2015,11:43:01,0.009  
05/12/2015,11:44:01,0.008  
05/12/2015,11:45:01,0.009  
05/12/2015,11:46:01,0.009  
05/12/2015,11:47:01,0.010  
05/12/2015,11:48:01,0.009

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_E  
Start Date:,05/12/2015  
Start Time:,12:01:39  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.010  
,Minimum:,0.009  
,Time of Minimum:,12:05:39  
,Date of Minimum:,05/12/2015  
,Maximum:,0.021  
,Time of Maximum:,12:02:39  
,Date of Maximum:,05/12/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/12/2015,12:02:39,0.021  
05/12/2015,12:03:39,0.010  
05/12/2015,12:04:39,0.010  
05/12/2015,12:05:39,0.009  
05/12/2015,12:06:39,0.009  
05/12/2015,12:07:39,0.010  
05/12/2015,12:08:39,0.009  
05/12/2015,12:09:39,0.010  
05/12/2015,12:10:39,0.009  
05/12/2015,12:11:39,0.010  
05/12/2015,12:12:39,0.009  
05/12/2015,12:13:39,0.010

5-12-15 Upwind Dust

05/12/2015,12:14:39,0.009  
05/12/2015,12:15:39,0.009  
05/12/2015,12:16:39,0.010

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530143315  
Test ID:.,002  
Test Abbreviation:.,MANUAL\_002\_F  
Start Date:.,05/12/2015  
Start Time:.,12:25:22  
Duration (dd:hh:mm:ss):.,0:00:15:00  
Log Interval (mm:ss):.,01:00  
Number of points:.,15  
Notes:.,

Statistics,Channel:.,AEROSOL  
,Units:.,mg/m^3  
,Average:.,0.012  
,Minimum:.,0.008  
,Time of Minimum:.,12:30:22  
,Date of Minimum:.,05/12/2015  
,Maximum:.,0.023  
,Time of Maximum:.,12:27:22  
,Date of Maximum:.,05/12/2015

Calibration,Sensor:.,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m^3  
05/12/2015,12:26:22,0.015  
05/12/2015,12:27:22,0.023  
05/12/2015,12:28:22,0.013  
05/12/2015,12:29:22,0.012  
05/12/2015,12:30:22,0.008  
05/12/2015,12:31:22,0.009  
05/12/2015,12:32:22,0.009  
05/12/2015,12:33:22,0.010  
05/12/2015,12:34:22,0.010  
05/12/2015,12:35:22,0.011  
05/12/2015,12:36:22,0.010  
05/12/2015,12:37:22,0.010  
05/12/2015,12:38:22,0.010  
05/12/2015,12:39:22,0.011  
05/12/2015,12:40:22,0.011

Model:,DustTrak II  
Model Number:.,8530  
Serial Number:.,8530143315  
Test ID:.,002  
Test Abbreviation:.,MANUAL\_002\_G  
Start Date:.,05/12/2015  
Start Time:.,14:11:48  
Duration (dd:hh:mm:ss):.,0:00:15:00  
Log Interval (mm:ss):.,01:00  
Number of points:.,15  
Notes:.,

Statistics,Channel:.,AEROSOL  
,Units:.,mg/m^3  
,Average:.,0.009  
,Minimum:.,0.007  
,Time of Minimum:.,14:13:48  
,Date of Minimum:.,05/12/2015  
,Maximum:.,0.018  
,Time of Maximum:.,14:12:48

5-12-15 Upwind Dust

,Date of Maximum:,05/12/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m^3  
05/12/2015,14:12:48,0.018  
05/12/2015,14:13:48,0.007  
05/12/2015,14:14:48,0.007  
05/12/2015,14:15:48,0.007  
05/12/2015,14:16:48,0.007  
05/12/2015,14:17:48,0.008  
05/12/2015,14:18:48,0.008  
05/12/2015,14:19:48,0.008  
05/12/2015,14:20:48,0.008  
05/12/2015,14:21:48,0.008  
05/12/2015,14:22:48,0.009  
05/12/2015,14:23:48,0.009  
05/12/2015,14:24:48,0.009  
05/12/2015,14:25:48,0.009  
05/12/2015,14:26:48,0.010

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122518  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,05/13/2015  
Start Time:,09:25:46  
Duration (dd:hh:mm:ss):,0:06:26:00  
Log Interval (mm:ss):,15:00  
Number of points:,18  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.011  
,Minimum:,0.000  
,Time of Minimum:,15:52:40  
,Date of Minimum:,05/13/2015  
,Maximum:,0.015  
,Time of Maximum:,10:10:46  
,Date of Maximum:,05/13/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,04/29/2015

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/13/2015,09:40:46,0.011  
05/13/2015,09:55:46,0.013  
05/13/2015,10:10:46,0.015  
05/13/2015,10:25:46,0.015  
05/13/2015,10:40:46,0.012  
05/13/2015,10:55:46,0.012  
05/13/2015,11:10:46,0.013  
05/13/2015,11:25:46,0.011  
05/13/2015,11:40:46,0.012  
05/13/2015,11:55:46,0.010  
05/13/2015,12:10:46,0.009  
05/13/2015,12:25:46,0.010  
05/13/2015,12:40:46,0.013  
05/13/2015,12:55:46,0.011  
05/13/2015,13:10:46,0.011  
05/13/2015,13:25:46,0.014  
05/13/2015,13:40:46,0.011  
05/13/2015,15:52:40,0.000



5-13-15 Downwind-1 VOC.prs

15/05/13 09:28

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-909560  
 Unit Firmware Ver V1.20  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 5/13/2015 09:28:11  
 End 5/13/2015 15:48:54  
 Sample Period(s) 900  
 Number of Records 25  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 1.000  
 High Alarm 5.000  
 Over Alarm 15000.000  
 STEL Alarm 25.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 5/13/2015 07:40  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	5/13/2015 09:43:11	0.003	0.172
002	5/13/2015 09:58:11	0.006	0.034
003	5/13/2015 10:13:11	0.022	0.044
004	5/13/2015 10:28:11	0.035	0.055
005	5/13/2015 10:43:11	0.041	0.059
006	5/13/2015 10:58:11	0.052	0.078
007	5/13/2015 11:13:11	0.061	0.072
008	5/13/2015 11:28:11	0.066	0.083
009	5/13/2015 11:43:11	0.075	0.094
010	5/13/2015 11:58:11	0.080	0.096
011	5/13/2015 12:13:11	0.084	0.111
012	5/13/2015 12:28:11	0.091	0.105
013	5/13/2015 12:43:11	0.095	0.118
014	5/13/2015 12:58:11	0.095	0.110
015	5/13/2015 13:13:11	0.096	0.104
016	5/13/2015 13:28:11	0.103	0.118
017	5/13/2015 13:43:11	0.101	0.124
018	5/13/2015 13:58:11	0.106	0.125
019	5/13/2015 14:13:11	0.109	0.135
020	5/13/2015 14:28:11	0.114	0.152
021	5/13/2015 14:43:11	0.115	0.138
022	5/13/2015 14:58:11	0.122	0.155
023	5/13/2015 15:13:11	0.121	0.139
024	5/13/2015 15:28:11	0.124	0.146
025	5/13/2015 15:43:11	0.128	0.148

5-13-15 Downwind-1 VOC.prs

Peak	0.128	0.172
Min	0.003	0.034
Average	0.082	0.109

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,05/13/2015  
Start Time:,07:58:16  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.011  
,Minimum:,0.006  
,Time of Minimum:,08:58:16  
,Date of Minimum:,05/13/2015  
,Maximum:,0.017  
,Time of Maximum:,14:58:16  
,Date of Maximum:,05/13/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/13/2015,08:13:16,0.012  
05/13/2015,08:28:16,0.007  
05/13/2015,08:43:16,0.009  
05/13/2015,08:58:16,0.006  
05/13/2015,09:13:16,0.007  
05/13/2015,09:28:16,0.009  
05/13/2015,09:43:16,0.008  
05/13/2015,09:58:16,0.011  
05/13/2015,10:13:16,0.011  
05/13/2015,10:28:16,0.012  
05/13/2015,10:43:16,0.010  
05/13/2015,10:58:16,0.008  
05/13/2015,11:13:16,0.008  
05/13/2015,11:28:16,0.010  
05/13/2015,11:43:16,0.011  
05/13/2015,11:58:16,0.008  
05/13/2015,12:13:16,0.011  
05/13/2015,12:28:16,0.011  
05/13/2015,12:43:16,0.010  
05/13/2015,12:58:16,0.010  
05/13/2015,13:13:16,0.011  
05/13/2015,13:28:16,0.012  
05/13/2015,13:43:16,0.015  
05/13/2015,13:58:16,0.015  
05/13/2015,14:13:16,0.014  
05/13/2015,14:28:16,0.015  
05/13/2015,14:43:16,0.015  
05/13/2015,14:58:16,0.017  
05/13/2015,15:13:16,0.015  
05/13/2015,15:28:16,0.016  
05/13/2015,15:43:16,0.014

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_A  
Start Date:,05/13/2015

5-13-15 Downwind-2 Dust

Start Time:,07:58:17  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.012  
,Minimum:,0.007  
,Time of Minimum:,08:07:17  
,Date of Minimum:,05/13/2015  
,Maximum:,0.071  
,Time of Maximum:,07:59:17  
,Date of Maximum:,05/13/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/13/2015,07:59:17,0.071  
05/13/2015,08:00:17,0.008  
05/13/2015,08:01:17,0.008  
05/13/2015,08:02:17,0.009  
05/13/2015,08:03:17,0.010  
05/13/2015,08:04:17,0.008  
05/13/2015,08:05:17,0.008  
05/13/2015,08:06:17,0.009  
05/13/2015,08:07:17,0.007  
05/13/2015,08:08:17,0.008  
05/13/2015,08:09:17,0.007  
05/13/2015,08:10:17,0.007  
05/13/2015,08:11:17,0.007  
05/13/2015,08:12:17,0.007  
05/13/2015,08:13:17,0.007

5-13-15 Downwind-2 VOC.prs

15/05/13 08:09

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 5/13/2015 08:09:51  
 End 5/13/2015 15:57:33  
 Sample Period(s) 900  
 Number of Records 31  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 21.738  
 High Alarm 43.476  
 Over Alarm 15000.000  
 STEL Alarm 43.476  
 TWA Alarm 4.725  
 Measurement Gas Isobutylene  
 Calibration Time 5/13/2015 07:46  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	5/13/2015 08:24:51	0.010	0.364
002	5/13/2015 08:39:51	0.000	0.000
003	5/13/2015 08:54:51	0.000	0.000
004	5/13/2015 09:09:51	0.000	0.000
005	5/13/2015 09:24:51	0.000	0.000
006	5/13/2015 09:39:51	0.000	0.000
007	5/13/2015 09:54:51	0.000	0.000
008	5/13/2015 10:09:51	0.000	0.000
009	5/13/2015 10:24:51	0.000	0.000
010	5/13/2015 10:39:51	0.000	0.000
011	5/13/2015 10:54:51	0.000	0.000
012	5/13/2015 11:09:51	0.000	0.000
013	5/13/2015 11:24:51	0.000	0.000
014	5/13/2015 11:39:51	0.000	0.000
015	5/13/2015 11:54:51	0.000	0.000
016	5/13/2015 12:09:51	0.000	0.000
017	5/13/2015 12:24:51	0.000	0.000
018	5/13/2015 12:39:51	0.000	0.000
019	5/13/2015 12:54:51	0.000	0.000
020	5/13/2015 13:09:51	0.000	0.000
021	5/13/2015 13:24:51	0.000	0.000
022	5/13/2015 13:39:51	0.000	0.000
023	5/13/2015 13:54:51	0.000	0.000
024	5/13/2015 14:09:51	0.000	0.000
025	5/13/2015 14:24:51	0.000	0.000

5-13-15 Downwind-2 VOC.prs

026	5/13/2015	14:39:51	0.000	0.000
027	5/13/2015	14:54:51	0.000	0.000
028	5/13/2015	15:09:51	0.000	0.000
029	5/13/2015	15:24:51	0.000	0.000
030	5/13/2015	15:39:51	0.000	0.000
031	5/13/2015	15:54:51	0.000	0.000
Peak		0.010	0.364	
Min		0.000	0.000	
Average		0.000	0.012	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,05/13/2015  
Start Time:,08:01:11  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.009  
,Minimum:,0.006  
,Time of Minimum:,09:01:11  
,Date of Minimum:,05/13/2015  
,Maximum:,0.014  
,Time of Maximum:,14:31:11  
,Date of Maximum:,05/13/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/13/2015,08:16:11,0.009  
05/13/2015,08:31:11,0.007  
05/13/2015,08:46:11,0.007  
05/13/2015,09:01:11,0.006  
05/13/2015,09:16:11,0.006  
05/13/2015,09:31:11,0.007  
05/13/2015,09:46:11,0.008  
05/13/2015,10:01:11,0.008  
05/13/2015,10:16:11,0.009  
05/13/2015,10:31:11,0.009  
05/13/2015,10:46:11,0.008  
05/13/2015,11:01:11,0.007  
05/13/2015,11:16:11,0.008  
05/13/2015,11:31:11,0.008  
05/13/2015,11:46:11,0.008  
05/13/2015,12:01:11,0.008  
05/13/2015,12:16:11,0.008  
05/13/2015,12:31:11,0.009  
05/13/2015,12:46:11,0.008  
05/13/2015,13:01:11,0.008  
05/13/2015,13:16:11,0.009  
05/13/2015,13:31:11,0.010  
05/13/2015,13:46:11,0.011  
05/13/2015,14:01:11,0.012  
05/13/2015,14:16:11,0.013  
05/13/2015,14:31:11,0.014  
05/13/2015,14:46:11,0.014  
05/13/2015,15:01:11,0.013  
05/13/2015,15:16:11,0.013  
05/13/2015,15:31:11,0.014  
05/13/2015,15:46:11,0.012

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_A  
Start Date:,05/13/2015

5-13-15 Upwind Dust

Start Time:,08:01:12  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.009  
,Minimum:,0.007  
,Time of Minimum:,08:14:12  
,Date of Minimum:,05/13/2015  
,Maximum:,0.029  
,Time of Maximum:,08:02:12  
,Date of Maximum:,05/13/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/13/2015,08:02:12,0.029  
05/13/2015,08:03:12,0.008  
05/13/2015,08:04:12,0.008  
05/13/2015,08:05:12,0.008  
05/13/2015,08:06:12,0.008  
05/13/2015,08:07:12,0.008  
05/13/2015,08:08:12,0.008  
05/13/2015,08:09:12,0.008  
05/13/2015,08:10:12,0.008  
05/13/2015,08:11:12,0.008  
05/13/2015,08:12:12,0.008  
05/13/2015,08:13:12,0.008  
05/13/2015,08:14:12,0.007  
05/13/2015,08:15:12,0.009  
05/13/2015,08:16:12,0.008



TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530122518  
Test ID: ,003  
Test Abbreviation: ,MANUAL\_003  
Start Date: ,05/14/2015  
Start Time: ,08:03:23  
Duration (dd:hh:mm:ss): ,0:07:00:00  
Log Interval (mm:ss): ,15:00  
Number of points: ,28  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.018  
,Minimum: ,0.013  
,Time of Minimum: ,14:18:23  
,Date of Minimum: ,05/14/2015  
,Maximum: ,0.027  
,Time of Maximum: ,08:18:23  
,Date of Maximum: ,05/14/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,04/29/2015

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/14/2015,08:18:23,0.027  
05/14/2015,08:33:23,0.021  
05/14/2015,08:48:23,0.018  
05/14/2015,09:03:23,0.016  
05/14/2015,09:18:23,0.017  
05/14/2015,09:33:23,0.019  
05/14/2015,09:48:23,0.020  
05/14/2015,10:03:23,0.022  
05/14/2015,10:18:23,0.022  
05/14/2015,10:33:23,0.018  
05/14/2015,10:48:23,0.017  
05/14/2015,11:03:23,0.021  
05/14/2015,11:18:23,0.018  
05/14/2015,11:33:23,0.021  
05/14/2015,11:48:23,0.021  
05/14/2015,12:03:23,0.019  
05/14/2015,12:18:23,0.021  
05/14/2015,12:33:23,0.018  
05/14/2015,12:48:23,0.017  
05/14/2015,13:03:23,0.017  
05/14/2015,13:18:23,0.016  
05/14/2015,13:33:23,0.016  
05/14/2015,13:48:23,0.015  
05/14/2015,14:03:23,0.015  
05/14/2015,14:18:23,0.013  
05/14/2015,14:33:23,0.014  
05/14/2015,14:48:23,0.015  
05/14/2015,15:03:23,0.014

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530122518  
Test ID: ,003  
Test Abbreviation: ,MANUAL\_003\_A  
Start Date: ,05/14/2015  
Start Time: ,14:28:51  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00

5-14-15 Downwind-1 Dust

Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.015  
,Minimum:,0.013  
,Time of Minimum:,14:30:51  
,Date of Minimum:,05/14/2015  
,Maximum:,0.023  
,Time of Maximum:,14:41:51  
,Date of Maximum:,05/14/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,04/29/2015

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
05/14/2015,14:29:51,0.019  
05/14/2015,14:30:51,0.013  
05/14/2015,14:31:51,0.013  
05/14/2015,14:32:51,0.017  
05/14/2015,14:33:51,0.014  
05/14/2015,14:34:51,0.014  
05/14/2015,14:35:51,0.014  
05/14/2015,14:36:51,0.014  
05/14/2015,14:37:51,0.015  
05/14/2015,14:38:51,0.014  
05/14/2015,14:39:51,0.014  
05/14/2015,14:40:51,0.014  
05/14/2015,14:41:51,0.023  
05/14/2015,14:42:51,0.014  
05/14/2015,14:43:51,0.013

5-14-15 Downwind-1 VOC.prs

15/05/14 08:05

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-909560  
 Unit Firmware Ver V1.20  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 5/14/2015 08:05:55  
 End 5/14/2015 15:17:27  
 Sample Period(s) 900  
 Number of Records 28  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 1.000  
 High Alarm 5.000  
 Over Alarm 15000.000  
 STEL Alarm 25.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 5/14/2015 07:37  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	5/14/2015 08:20:55	0.003	0.187
002	5/14/2015 08:35:55	0.006	0.028
003	5/14/2015 08:50:55	0.033	0.087
004	5/14/2015 09:05:55	0.042	0.053
005	5/14/2015 09:20:55	0.053	0.067
006	5/14/2015 09:35:55	0.057	0.067
007	5/14/2015 09:50:55	0.058	0.072
008	5/14/2015 10:05:55	0.065	0.082
009	5/14/2015 10:20:55	0.070	0.087
010	5/14/2015 10:35:55	0.076	0.086
011	5/14/2015 10:50:55	0.084	0.091
012	5/14/2015 11:05:55	0.078	0.089
013	5/14/2015 11:20:55	0.074	0.079
014	5/14/2015 11:35:55	0.082	0.095
015	5/14/2015 11:50:55	0.093	0.113
016	5/14/2015 12:05:55	0.105	0.118
017	5/14/2015 12:20:55	0.120	0.143
018	5/14/2015 12:35:55	0.142	0.175
019	5/14/2015 12:50:55	0.165	0.180
020	5/14/2015 13:05:55	0.164	0.200
021	5/14/2015 13:20:55	0.165	0.180
022	5/14/2015 13:35:55	0.174	0.238
023	5/14/2015 13:50:55	0.169	0.187
024	5/14/2015 14:05:55	0.161	0.180
025	5/14/2015 14:20:55	0.162	0.176

5-14-15 Downwind-1 VOC.prs

026	5/14/2015	14:35:55	0.149	0.165
027	5/14/2015	14:50:55	0.128	0.136
028	5/14/2015	15:05:55	0.127	0.133
Peak		0.174	0.238	
Min		0.003	0.028	
Average		0.100	0.125	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,05/14/2015  
Start Time:,08:04:56  
Duration (dd:hh:mm:ss):,0:07:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,28  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.014  
,Minimum:,0.008  
,Time of Minimum:,13:49:56  
,Date of Minimum:,05/14/2015  
,Maximum:,0.031  
,Time of Maximum:,08:19:56  
,Date of Maximum:,05/14/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/14/2015,08:19:56,0.031  
05/14/2015,08:34:56,0.020  
05/14/2015,08:49:56,0.019  
05/14/2015,09:04:56,0.016  
05/14/2015,09:19:56,0.017  
05/14/2015,09:34:56,0.018  
05/14/2015,09:49:56,0.019  
05/14/2015,10:04:56,0.017  
05/14/2015,10:19:56,0.016  
05/14/2015,10:34:56,0.015  
05/14/2015,10:49:56,0.016  
05/14/2015,11:04:56,0.017  
05/14/2015,11:19:56,0.014  
05/14/2015,11:34:56,0.015  
05/14/2015,11:49:56,0.015  
05/14/2015,12:04:56,0.014  
05/14/2015,12:19:56,0.015  
05/14/2015,12:34:56,0.013  
05/14/2015,12:49:56,0.011  
05/14/2015,13:04:56,0.012  
05/14/2015,13:19:56,0.011  
05/14/2015,13:34:56,0.009  
05/14/2015,13:49:56,0.008  
05/14/2015,14:04:56,0.009  
05/14/2015,14:19:56,0.008  
05/14/2015,14:34:56,0.008  
05/14/2015,14:49:56,0.009  
05/14/2015,15:04:56,0.009

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_A  
Start Date:,05/14/2015  
Start Time:,08:04:57  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00

5-14-15 Downwind-2 Dust

Number of points:,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.031  
,Minimum: ,0.023  
,Time of Minimum: ,08:19:57  
,Date of Minimum: ,05/14/2015  
,Maximum: ,0.079  
,Time of Maximum: ,08:05:57  
,Date of Maximum: ,05/14/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
05/14/2015,08:05:57,0.079  
05/14/2015,08:06:57,0.030  
05/14/2015,08:07:57,0.029  
05/14/2015,08:08:57,0.029  
05/14/2015,08:09:57,0.030  
05/14/2015,08:10:57,0.029  
05/14/2015,08:11:57,0.032  
05/14/2015,08:12:57,0.034  
05/14/2015,08:13:57,0.029  
05/14/2015,08:14:57,0.027  
05/14/2015,08:15:57,0.026  
05/14/2015,08:16:57,0.025  
05/14/2015,08:17:57,0.026  
05/14/2015,08:18:57,0.024  
05/14/2015,08:19:57,0.023

Model: ,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530122515  
Test ID: ,004  
Test Abbreviation: ,MANUAL\_004\_B  
Start Date: ,05/14/2015  
Start Time: ,09:40:20  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.018  
,Minimum: ,0.016  
,Time of Minimum: ,09:49:20  
,Date of Minimum: ,05/14/2015  
,Maximum: ,0.027  
,Time of Maximum: ,09:45:20  
,Date of Maximum: ,05/14/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
05/14/2015,09:41:20,0.020  
05/14/2015,09:42:20,0.017  
05/14/2015,09:43:20,0.019  
05/14/2015,09:44:20,0.019  
05/14/2015,09:45:20,0.027  
05/14/2015,09:46:20,0.020

5-14-15 Downwind-2 Dust

05/14/2015,09:47:20,0.021  
05/14/2015,09:48:20,0.018  
05/14/2015,09:49:20,0.016  
05/14/2015,09:50:20,0.016  
05/14/2015,09:51:20,0.016  
05/14/2015,09:52:20,0.017  
05/14/2015,09:53:20,0.016  
05/14/2015,09:54:20,0.018  
05/14/2015,09:55:20,0.017

5-14-15 Downwind-2 VOC.prs

15/05/14 08:16

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 5/14/2015 08:16:52  
 End 5/14/2015 15:26:12  
 Sample Period(s) 900  
 Number of Records 28  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 21.738  
 High Alarm 43.476  
 Over Alarm 15000.000  
 STEL Alarm 43.476  
 TWA Alarm 4.725  
 Measurement Gas Isobutylene  
 Calibration Time 5/14/2015 07:43  
 Peak N/A  
 Min N/A  
 Average N/A

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	5/14/2015 08:31:52	0.007	0.387
002	5/14/2015 08:46:52	0.000	0.000
003	5/14/2015 09:01:52	0.000	0.000
004	5/14/2015 09:16:52	0.000	0.000
005	5/14/2015 09:31:52	0.000	0.000
006	5/14/2015 09:46:52	0.000	0.000
007	5/14/2015 10:01:52	0.000	0.000
008	5/14/2015 10:16:52	0.000	0.000
009	5/14/2015 10:31:52	0.000	0.000
010	5/14/2015 10:46:52	0.000	0.000
011	5/14/2015 11:01:52	0.000	0.000
012	5/14/2015 11:16:52	0.000	0.000
013	5/14/2015 11:31:52	0.000	0.000
014	5/14/2015 11:46:52	0.000	0.000
015	5/14/2015 12:01:52	0.000	0.000
016	5/14/2015 12:16:52	0.000	0.000
017	5/14/2015 12:31:52	0.000	0.000
018	5/14/2015 12:46:52	0.000	0.000
019	5/14/2015 13:01:52	0.000	0.000
020	5/14/2015 13:16:52	0.000	0.000
021	5/14/2015 13:31:52	0.000	0.000
022	5/14/2015 13:46:52	0.000	0.000
023	5/14/2015 14:01:52	0.000	0.000
024	5/14/2015 14:16:52	0.000	0.000
025	5/14/2015 14:31:52	0.000	0.000



5-14-15 Downwind-2 VOC.prs

026	5/14/2015	14:46:52	0.000	0.000
027	5/14/2015	15:01:52	0.000	0.000
028	5/14/2015	15:16:52	0.000	0.000
Peak		0.007	0.387	
Min		0.000	0.000	
Average		0.000	0.014	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,05/14/2015  
Start Time:,08:07:57  
Duration (dd:hh:mm:ss):,0:07:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,28  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.017  
,Minimum:,0.012  
,Time of Minimum:,14:22:57  
,Date of Minimum:,05/14/2015  
,Maximum:,0.028  
,Time of Maximum:,08:22:57  
,Date of Maximum:,05/14/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/14/2015,08:22:57,0.028  
05/14/2015,08:37:57,0.018  
05/14/2015,08:52:57,0.017  
05/14/2015,09:07:57,0.016  
05/14/2015,09:22:57,0.017  
05/14/2015,09:37:57,0.021  
05/14/2015,09:52:57,0.018  
05/14/2015,10:07:57,0.017  
05/14/2015,10:22:57,0.017  
05/14/2015,10:37:57,0.017  
05/14/2015,10:52:57,0.018  
05/14/2015,11:07:57,0.020  
05/14/2015,11:22:57,0.020  
05/14/2015,11:37:57,0.022  
05/14/2015,11:52:57,0.018  
05/14/2015,12:07:57,0.018  
05/14/2015,12:22:57,0.018  
05/14/2015,12:37:57,0.016  
05/14/2015,12:52:57,0.016  
05/14/2015,13:07:57,0.014  
05/14/2015,13:22:57,0.014  
05/14/2015,13:37:57,0.014  
05/14/2015,13:52:57,0.013  
05/14/2015,14:07:57,0.014  
05/14/2015,14:22:57,0.012  
05/14/2015,14:37:57,0.014  
05/14/2015,14:52:57,0.020  
05/14/2015,15:07:57,0.015

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_A  
Start Date:,05/14/2015  
Start Time:,08:07:58  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00

5-14-15 Upwind Dust

Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.028  
,Minimum:,0.021  
,Time of Minimum:,08:22:58  
,Date of Minimum:,05/14/2015  
,Maximum:,0.048  
,Time of Maximum:,08:08:58  
,Date of Maximum:,05/14/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
05/14/2015,08:08:58,0.048  
05/14/2015,08:09:58,0.029  
05/14/2015,08:10:58,0.029  
05/14/2015,08:11:58,0.027  
05/14/2015,08:12:58,0.028  
05/14/2015,08:13:58,0.029  
05/14/2015,08:14:58,0.029  
05/14/2015,08:15:58,0.028  
05/14/2015,08:16:58,0.027  
05/14/2015,08:17:58,0.025  
05/14/2015,08:18:58,0.025  
05/14/2015,08:19:58,0.026  
05/14/2015,08:20:58,0.025  
05/14/2015,08:21:58,0.024  
05/14/2015,08:22:58,0.021

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_B  
Start Date:,05/14/2015  
Start Time:,14:45:28  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.021  
,Minimum:,0.013  
,Time of Minimum:,14:47:28  
,Date of Minimum:,05/14/2015  
,Maximum:,0.101  
,Time of Maximum:,14:46:28  
,Date of Maximum:,05/14/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
05/14/2015,14:46:28,0.101  
05/14/2015,14:47:28,0.013  
05/14/2015,14:48:28,0.013  
05/14/2015,14:49:28,0.013  
05/14/2015,14:50:28,0.013  
05/14/2015,14:51:28,0.014

5-14-15 Upwind Dust

05/14/2015,14:52:28,0.013  
05/14/2015,14:53:28,0.013  
05/14/2015,14:54:28,0.027  
05/14/2015,14:55:28,0.013  
05/14/2015,14:56:28,0.014  
05/14/2015,14:57:28,0.014  
05/14/2015,14:58:28,0.020  
05/14/2015,14:59:28,0.018  
05/14/2015,15:00:28,0.013

5-15-15 Downwind 1 VOC

15/05/15 08:14

\*\*\*\*\*

Summary

```

-----
Unit Name           MiniRAE 3000
Unit SN            592-909560
Unit Firmware Ver  V1.20
-----
Running Mode       Hygiene Mode
Measure Type       Avg; Max
Datalog Mode       Continuous
Datalog Type       Auto
Diagnostic Mode     No
Stop Reason        Power Down
-----
Site ID            RAE00000
User ID           00000001
-----
Begin              2015/05/15 08:14:16
End                2015/05/15 14:59:39
Sample Period(s)  900
Number of Records  27
-----
Sensor             VOC(ppm)
Span               100.000
Span 2             N/A
Low Alarm          1.000
High Alarm         5.000
Over Alarm         15000.000
STEL Alarm         25.000
TWA Alarm          10.000
Measurement Gas    Isobutylene
Calibration Time   2015/05/15 07:42
Peak              N/A
Min               N/A
Average           N/A

```

\*\*\*\*\*

Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	2015/05/15 08:29:16	0.002	0.153
002	2015/05/15 08:44:16	0.000	0.003
003	2015/05/15 08:59:16	0.002	0.011
004	2015/05/15 09:14:16	0.016	0.027
005	2015/05/15 09:29:16	0.031	0.046
006	2015/05/15 09:44:16	0.049	0.075
007	2015/05/15 09:59:16	0.078	0.096
008	2015/05/15 10:14:16	0.094	0.110
009	2015/05/15 10:29:16	0.107	0.121
010	2015/05/15 10:44:16	0.120	0.134
011	2015/05/15 10:59:16	0.123	0.140
012	2015/05/15 11:14:16	0.141	0.153
013	2015/05/15 11:29:16	0.142	0.151
014	2015/05/15 11:44:16	0.128	0.146
015	2015/05/15 11:59:16	0.114	0.127
016	2015/05/15 12:14:16	0.108	0.116
017	2015/05/15 12:29:16	0.106	0.116
018	2015/05/15 12:44:16	0.106	0.123
019	2015/05/15 12:59:16	0.113	0.130
020	2015/05/15 13:14:16	0.114	0.128
021	2015/05/15 13:29:16	0.113	0.123
022	2015/05/15 13:44:16	0.111	0.122
023	2015/05/15 13:59:16	0.106	0.115
024	2015/05/15 14:14:16	0.101	0.110
025	2015/05/15 14:29:16	0.099	0.118
026	2015/05/15 14:44:16	0.086	0.109

027 2015/05/15 14:59:16 5-15-15 Downwind 1 VOC  
Peak 0.142 0.153 0.081 0.088  
Min 0.000 0.003  
Average 0.089 0.107

\*\*\*\*\*

TWA/STEL  
No enabled sensor supports TWA/STEL.

5-15-15 Downwind 2 VOC

15/05/15 08:18

\*\*\*\*\*

Summary

```
-----
Unit Name           MiniRAE 3000
Unit SN            592-907523
Unit Firmware Ver  V1.10C
-----
Running Mode       Hygiene Mode
Measure Type       Avg; Max
Datalog Mode       Continuous
Datalog Type       Auto
Diagnostic Mode     No
Stop Reason        Power Down
-----
Site ID            RAE00000
User ID            00000001
-----
Begin              2015/05/15 08:18:15
End                2015/05/15 15:09:45
Sample Period(s)   900
Number of Records  27
-----
```

```
Sensor             VOC(ppm)
Span               100.000
Span 2             N/A
Low Alarm          21.738
High Alarm         43.476
Over Alarm         15000.000
STEL Alarm         43.476
TWA Alarm          4.725
Measurement Gas    Isobutylene
Calibration Time   2015/05/15 07:50
Peak              N/A
Min               N/A
Average           N/A
-----
```

\*\*\*\*\*

Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	2015/05/15 08:33:15	0.016	0.629
002	2015/05/15 08:48:15	0.000	0.000
003	2015/05/15 09:03:15	0.000	0.000
004	2015/05/15 09:18:15	0.000	0.000
005	2015/05/15 09:33:15	0.000	0.000
006	2015/05/15 09:48:15	0.000	0.000
007	2015/05/15 10:03:15	0.000	0.000
008	2015/05/15 10:18:15	0.000	0.000
009	2015/05/15 10:33:15	0.000	0.000
010	2015/05/15 10:48:15	0.000	0.000
011	2015/05/15 11:03:15	0.000	0.000
012	2015/05/15 11:18:15	0.000	0.000
013	2015/05/15 11:33:15	0.000	0.000
014	2015/05/15 11:48:15	0.000	0.000
015	2015/05/15 12:03:15	0.000	0.000
016	2015/05/15 12:18:15	0.000	0.000
017	2015/05/15 12:33:15	0.000	0.000
018	2015/05/15 12:48:15	0.000	0.000
019	2015/05/15 13:03:15	0.000	0.000
020	2015/05/15 13:18:15	0.000	0.000
021	2015/05/15 13:33:15	0.000	0.000
022	2015/05/15 13:48:15	0.000	0.000
023	2015/05/15 14:03:15	0.000	0.000
024	2015/05/15 14:18:15	0.000	0.000
025	2015/05/15 14:33:15	0.000	0.000
026	2015/05/15 14:48:15	0.000	0.000

027 2015/05/15 15:03:15 5-15-15 Downwind 2 VOC  
Peak 0.016 0.629  
Min 0.000 0.000  
Average 0.001 0.023

\*\*\*\*\*  
TWA/STEL  
No enabled sensor supports TWA/STEL.



## TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122518  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,05/15/2015  
Start Time:,08:12:04  
Duration (dd:hh:mm:ss):,0:06:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,26  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.019  
,Minimum:,0.016  
,Time of Minimum:,08:42:04  
,Date of Minimum:,05/15/2015  
,Maximum:,0.028  
,Time of Maximum:,14:42:04  
,Date of Maximum:,05/15/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,04/29/2015

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/15/2015,08:27:04,0.017  
05/15/2015,08:42:04,0.016  
05/15/2015,08:57:04,0.017  
05/15/2015,09:12:04,0.019  
05/15/2015,09:27:04,0.019  
05/15/2015,09:42:04,0.018  
05/15/2015,09:57:04,0.018  
05/15/2015,10:12:04,0.019  
05/15/2015,10:27:04,0.020  
05/15/2015,10:42:04,0.018  
05/15/2015,10:57:04,0.018  
05/15/2015,11:12:04,0.019  
05/15/2015,11:27:04,0.018  
05/15/2015,11:42:04,0.020  
05/15/2015,11:57:04,0.019  
05/15/2015,12:12:04,0.018  
05/15/2015,12:27:04,0.018  
05/15/2015,12:42:04,0.018  
05/15/2015,12:57:04,0.021  
05/15/2015,13:12:04,0.021  
05/15/2015,13:27:04,0.019  
05/15/2015,13:42:04,0.020  
05/15/2015,13:57:04,0.018  
05/15/2015,14:12:04,0.020  
05/15/2015,14:27:04,0.025  
05/15/2015,14:42:04,0.028

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122518  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_A  
Start Date:,05/15/2015  
Start Time:,08:12:59  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

5-15-15 Downwind-1 Dust

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.018  
,Minimum:,0.016  
,Time of Minimum:,08:21:59  
,Date of Minimum:,05/15/2015  
,Maximum:,0.026  
,Time of Maximum:,08:13:59  
,Date of Maximum:,05/15/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,04/29/2015

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/15/2015,08:13:59,0.026  
05/15/2015,08:14:59,0.017  
05/15/2015,08:15:59,0.017  
05/15/2015,08:16:59,0.017  
05/15/2015,08:17:59,0.017  
05/15/2015,08:18:59,0.017  
05/15/2015,08:19:59,0.017  
05/15/2015,08:20:59,0.017  
05/15/2015,08:21:59,0.016  
05/15/2015,08:22:59,0.016  
05/15/2015,08:23:59,0.017  
05/15/2015,08:24:59,0.017  
05/15/2015,08:25:59,0.017  
05/15/2015,08:26:59,0.017  
05/15/2015,08:27:59,0.017

## TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,005  
Test Abbreviation:,MANUAL\_005  
Start Date:,05/15/2015  
Start Time:,08:06:05  
Duration (dd:hh:mm:ss):,0:06:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,27  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.017  
,Minimum:,0.013  
,Time of Minimum:,11:21:05  
,Date of Minimum:,05/15/2015  
,Maximum:,0.031  
,Time of Maximum:,14:36:05  
,Date of Maximum:,05/15/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/15/2015,08:21:05,0.022  
05/15/2015,08:36:05,0.017  
05/15/2015,08:51:05,0.017  
05/15/2015,09:06:05,0.018  
05/15/2015,09:21:05,0.019  
05/15/2015,09:36:05,0.018  
05/15/2015,09:51:05,0.017  
05/15/2015,10:06:05,0.018  
05/15/2015,10:21:05,0.017  
05/15/2015,10:36:05,0.016  
05/15/2015,10:51:05,0.015  
05/15/2015,11:06:05,0.014  
05/15/2015,11:21:05,0.013  
05/15/2015,11:36:05,0.017  
05/15/2015,11:51:05,0.015  
05/15/2015,12:06:05,0.014  
05/15/2015,12:21:05,0.015  
05/15/2015,12:36:05,0.013  
05/15/2015,12:51:05,0.020  
05/15/2015,13:06:05,0.018  
05/15/2015,13:21:05,0.020  
05/15/2015,13:36:05,0.019  
05/15/2015,13:51:05,0.015  
05/15/2015,14:06:05,0.014  
05/15/2015,14:21:05,0.021  
05/15/2015,14:36:05,0.031  
05/15/2015,14:51:05,0.018

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_A  
Start Date:,05/15/2015  
Start Time:,08:06:06  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15

Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.022  
,Minimum: ,0.016  
,Time of Minimum: ,08:09:06  
,Date of Minimum: ,05/15/2015  
,Maximum: ,0.099  
,Time of Maximum: ,08:07:06  
,Date of Maximum: ,05/15/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/15/2015,08:07:06,0.099  
05/15/2015,08:08:06,0.017  
05/15/2015,08:09:06,0.016  
05/15/2015,08:10:06,0.017  
05/15/2015,08:11:06,0.016  
05/15/2015,08:12:06,0.017  
05/15/2015,08:13:06,0.017  
05/15/2015,08:14:06,0.016  
05/15/2015,08:15:06,0.017  
05/15/2015,08:16:06,0.016  
05/15/2015,08:17:06,0.017  
05/15/2015,08:18:06,0.017  
05/15/2015,08:19:06,0.017  
05/15/2015,08:20:06,0.017  
05/15/2015,08:21:06,0.017

Model: ,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530122515  
Test ID: ,005  
Test Abbreviation: ,MANUAL\_005\_B  
Start Date: ,05/15/2015  
Start Time: ,11:31:37  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.017  
,Minimum: ,0.012  
,Time of Minimum: ,11:43:37  
,Date of Minimum: ,05/15/2015  
,Maximum: ,0.045  
,Time of Maximum: ,11:32:37  
,Date of Maximum: ,05/15/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/15/2015,11:32:37,0.045  
05/15/2015,11:33:37,0.014  
05/15/2015,11:34:37,0.013  
05/15/2015,11:35:37,0.013  
05/15/2015,11:36:37,0.016  
05/15/2015,11:37:37,0.015  
05/15/2015,11:38:37,0.022

5-15-15 Downwind-2 Dust

05/15/2015,11:39:37,0.017  
05/15/2015,11:40:37,0.017  
05/15/2015,11:41:37,0.013  
05/15/2015,11:42:37,0.013  
05/15/2015,11:43:37,0.012  
05/15/2015,11:44:37,0.013  
05/15/2015,11:45:37,0.013  
05/15/2015,11:46:37,0.018

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,005  
Test Abbreviation:,MANUAL\_005  
Start Date:,05/15/2015  
Start Time:,08:15:30  
Duration (dd:hh:mm:ss):,0:06:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,26  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.017  
,Minimum:,0.014  
,Time of Minimum:,11:30:30  
,Date of Minimum:,05/15/2015  
,Maximum:,0.031  
,Time of Maximum:,14:30:30  
,Date of Maximum:,05/15/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/15/2015,08:30:30,0.018  
05/15/2015,08:45:30,0.018  
05/15/2015,09:00:30,0.019  
05/15/2015,09:15:30,0.021  
05/15/2015,09:30:30,0.021  
05/15/2015,09:45:30,0.019  
05/15/2015,10:00:30,0.019  
05/15/2015,10:15:30,0.019  
05/15/2015,10:30:30,0.017  
05/15/2015,10:45:30,0.016  
05/15/2015,11:00:30,0.015  
05/15/2015,11:15:30,0.015  
05/15/2015,11:30:30,0.014  
05/15/2015,11:45:30,0.014  
05/15/2015,12:00:30,0.015  
05/15/2015,12:15:30,0.015  
05/15/2015,12:30:30,0.015  
05/15/2015,12:45:30,0.015  
05/15/2015,13:00:30,0.015  
05/15/2015,13:15:30,0.016  
05/15/2015,13:30:30,0.015  
05/15/2015,13:45:30,0.015  
05/15/2015,14:00:30,0.016  
05/15/2015,14:15:30,0.016  
05/15/2015,14:30:30,0.031  
05/15/2015,14:45:30,0.023

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122518  
Test ID:,005  
Test Abbreviation:,MANUAL\_005  
Start Date:,05/18/2015  
Start Time:,08:03:36  
Duration (dd:hh:mm:ss):,0:06:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,26  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.037  
,Minimum:,0.033  
,Time of Minimum:,09:33:36  
,Date of Minimum:,05/18/2015  
,Maximum:,0.042  
,Time of Maximum:,08:18:36  
,Date of Maximum:,05/18/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,04/29/2015

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/18/2015,08:18:36,0.042  
05/18/2015,08:33:36,0.041  
05/18/2015,08:48:36,0.038  
05/18/2015,09:03:36,0.037  
05/18/2015,09:18:36,0.034  
05/18/2015,09:33:36,0.033  
05/18/2015,09:48:36,0.034  
05/18/2015,10:03:36,0.035  
05/18/2015,10:18:36,0.034  
05/18/2015,10:33:36,0.035  
05/18/2015,10:48:36,0.037  
05/18/2015,11:03:36,0.037  
05/18/2015,11:18:36,0.035  
05/18/2015,11:33:36,0.037  
05/18/2015,11:48:36,0.037  
05/18/2015,12:03:36,0.036  
05/18/2015,12:18:36,0.037  
05/18/2015,12:33:36,0.039  
05/18/2015,12:48:36,0.039  
05/18/2015,13:03:36,0.039  
05/18/2015,13:18:36,0.038  
05/18/2015,13:33:36,0.038  
05/18/2015,13:48:36,0.039  
05/18/2015,14:03:36,0.039  
05/18/2015,14:18:36,0.039  
05/18/2015,14:33:36,0.038

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122518  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_A  
Start Date:,05/18/2015  
Start Time:,08:10:54  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

5-18-15 Downwind-1 Dust

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.041  
,Minimum:,0.037  
,Time of Minimum:,08:24:54  
,Date of Minimum:,05/18/2015  
,Maximum:,0.053  
,Time of Maximum:,08:11:54  
,Date of Maximum:,05/18/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,04/29/2015

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/18/2015,08:11:54,0.053  
05/18/2015,08:12:54,0.040  
05/18/2015,08:13:54,0.041  
05/18/2015,08:14:54,0.039  
05/18/2015,08:15:54,0.039  
05/18/2015,08:16:54,0.038  
05/18/2015,08:17:54,0.041  
05/18/2015,08:18:54,0.041  
05/18/2015,08:19:54,0.039  
05/18/2015,08:20:54,0.040  
05/18/2015,08:21:54,0.038  
05/18/2015,08:22:54,0.047  
05/18/2015,08:23:54,0.042  
05/18/2015,08:24:54,0.037  
05/18/2015,08:25:54,0.041



5-18-15 Downwind-1 VOC

15/05/18 08:06

\*\*\*\*\*

Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-909560  
 Unit Firmware Ver V1.20  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 5/18/2015 08:06:53  
 End 5/18/2015 14:51:14  
 Sample Period(s) 900  
 Number of Records 26  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 1.000  
 High Alarm 5.000  
 Over Alarm 15000.000  
 STEL Alarm 25.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 5/18/2015 07:47  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	5/18/2015 08:21:53	0.008	0.183
002	5/18/2015 08:36:53	0.011	0.035
003	5/18/2015 08:51:53	0.037	0.059
004	5/18/2015 09:06:53	0.070	0.091
005	5/18/2015 09:21:53	0.107	0.130
006	5/18/2015 09:36:53	0.141	0.165
007	5/18/2015 09:51:53	0.163	0.176
008	5/18/2015 10:06:53	0.173	0.184
009	5/18/2015 10:21:53	0.184	0.197
010	5/18/2015 10:36:53	0.196	0.207
011	5/18/2015 10:51:53	0.204	0.217
012	5/18/2015 11:06:53	0.209	0.219
013	5/18/2015 11:21:53	0.224	0.240
014	5/18/2015 11:36:53	0.239	0.252
015	5/18/2015 11:51:53	0.253	0.265
016	5/18/2015 12:06:53	0.259	0.267
017	5/18/2015 12:21:53	0.251	0.261
018	5/18/2015 12:36:53	0.243	0.251
019	5/18/2015 12:51:53	0.259	0.288
020	5/18/2015 13:06:53	0.306	0.327
021	5/18/2015 13:21:53	0.324	0.336
022	5/18/2015 13:36:53	0.288	0.319
023	5/18/2015 13:51:53	0.252	0.268
024	5/18/2015 14:06:53	0.242	0.254
025	5/18/2015 14:21:53	0.239	0.247

026	5/18/2015 14:36:53		5-18-15 Downwind-1 VOC
Peak	0.324	0.336	0.247 0.256
Min	0.008	0.035	
Average	0.197	0.219	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,006  
Test Abbreviation:,MANUAL\_006  
Start Date:,05/18/2015  
Start Time:,07:58:42  
Duration (dd:hh:mm:ss):,0:06:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,26  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.037  
,Minimum:,0.033  
,Time of Minimum:,10:28:42  
,Date of Minimum:,05/18/2015  
,Maximum:,0.042  
,Time of Maximum:,08:13:42  
,Date of Maximum:,05/18/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/18/2015,08:13:42,0.042  
05/18/2015,08:28:42,0.041  
05/18/2015,08:43:42,0.038  
05/18/2015,08:58:42,0.038  
05/18/2015,09:13:42,0.034  
05/18/2015,09:28:42,0.034  
05/18/2015,09:43:42,0.036  
05/18/2015,09:58:42,0.037  
05/18/2015,10:13:42,0.034  
05/18/2015,10:28:42,0.033  
05/18/2015,10:43:42,0.034  
05/18/2015,10:58:42,0.037  
05/18/2015,11:13:42,0.035  
05/18/2015,11:28:42,0.037  
05/18/2015,11:43:42,0.037  
05/18/2015,11:58:42,0.033  
05/18/2015,12:13:42,0.036  
05/18/2015,12:28:42,0.038  
05/18/2015,12:43:42,0.037  
05/18/2015,12:58:42,0.037  
05/18/2015,13:13:42,0.038  
05/18/2015,13:28:42,0.040  
05/18/2015,13:43:42,0.040  
05/18/2015,13:58:42,0.037  
05/18/2015,14:13:42,0.036  
05/18/2015,14:28:42,0.038

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,006  
Test Abbreviation:,MANUAL\_006\_A  
Start Date:,05/18/2015  
Start Time:,07:58:43  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

5-18-15 Downwind-2 Dust

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.042  
,Minimum:,0.036  
,Time of Minimum:,08:12:43  
,Date of Minimum:,05/18/2015  
,Maximum:,0.067  
,Time of Maximum:,07:59:43  
,Date of Maximum:,05/18/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/18/2015,07:59:43,0.067  
05/18/2015,08:00:43,0.042  
05/18/2015,08:01:43,0.050  
05/18/2015,08:02:43,0.041  
05/18/2015,08:03:43,0.041  
05/18/2015,08:04:43,0.041  
05/18/2015,08:05:43,0.040  
05/18/2015,08:06:43,0.039  
05/18/2015,08:07:43,0.038  
05/18/2015,08:08:43,0.040  
05/18/2015,08:09:43,0.038  
05/18/2015,08:10:43,0.038  
05/18/2015,08:11:43,0.037  
05/18/2015,08:12:43,0.036  
05/18/2015,08:13:43,0.038

5-18-15 Downwind-2 VOC

15/05/18 08:11

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 5/18/2015 08:11:20  
 End 5/18/2015 14:50:49  
 Sample Period(s) 900  
 Number of Records 26  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 21.738  
 High Alarm 43.476  
 Over Alarm 15000.000  
 STEL Alarm 43.476  
 TWA Alarm 4.725  
 Measurement Gas Isobutylene  
 Calibration Time 5/18/2015 07:52  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	5/18/2015 08:26:20	0.035	0.890
002	5/18/2015 08:41:20	0.000	0.000
003	5/18/2015 08:56:20	0.000	0.000
004	5/18/2015 09:11:20	0.000	0.000
005	5/18/2015 09:26:20	0.000	0.000
006	5/18/2015 09:41:20	0.000	0.000
007	5/18/2015 09:56:20	0.000	0.000
008	5/18/2015 10:11:20	0.000	0.000
009	5/18/2015 10:26:20	0.000	0.000
010	5/18/2015 10:41:20	0.000	0.000
011	5/18/2015 10:56:20	0.000	0.000
012	5/18/2015 11:11:20	0.000	0.000
013	5/18/2015 11:26:20	0.000	0.000
014	5/18/2015 11:41:20	0.000	0.000
015	5/18/2015 11:56:20	0.000	0.000
016	5/18/2015 12:11:20	0.000	0.000
017	5/18/2015 12:26:20	0.000	0.000
018	5/18/2015 12:41:20	0.000	0.000
019	5/18/2015 12:56:20	0.000	0.000
020	5/18/2015 13:11:20	0.000	0.000
021	5/18/2015 13:26:20	0.000	0.000
022	5/18/2015 13:41:20	0.000	0.000
023	5/18/2015 13:56:20	0.000	0.000
024	5/18/2015 14:11:20	0.000	0.000
025	5/18/2015 14:26:20	0.000	0.000

026 5/18/2015 14:41:20 5-18-15 Downwind-2 VOC  
Peak 0.035 0.890  
Min 0.000 0.000  
Average 0.001 0.034

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,006  
Test Abbreviation:,MANUAL\_006  
Start Date:,05/18/2015  
Start Time:,08:05:20  
Duration (dd:hh:mm:ss):,0:06:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,27  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.038  
,Minimum:,0.035  
,Time of Minimum:,09:50:20  
,Date of Minimum:,05/18/2015  
,Maximum:,0.043  
,Time of Maximum:,08:20:20  
,Date of Maximum:,05/18/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/18/2015,08:20:20,0.043  
05/18/2015,08:35:20,0.042  
05/18/2015,08:50:20,0.041  
05/18/2015,09:05:20,0.039  
05/18/2015,09:20:20,0.036  
05/18/2015,09:35:20,0.036  
05/18/2015,09:50:20,0.035  
05/18/2015,10:05:20,0.035  
05/18/2015,10:20:20,0.035  
05/18/2015,10:35:20,0.036  
05/18/2015,10:50:20,0.037  
05/18/2015,11:05:20,0.038  
05/18/2015,11:20:20,0.037  
05/18/2015,11:35:20,0.038  
05/18/2015,11:50:20,0.037  
05/18/2015,12:05:20,0.037  
05/18/2015,12:20:20,0.038  
05/18/2015,12:35:20,0.041  
05/18/2015,12:50:20,0.040  
05/18/2015,13:05:20,0.041  
05/18/2015,13:20:20,0.041  
05/18/2015,13:35:20,0.041  
05/18/2015,13:50:20,0.040  
05/18/2015,14:05:20,0.039  
05/18/2015,14:20:20,0.039  
05/18/2015,14:35:20,0.038  
05/18/2015,14:50:20,0.037

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,006  
Test Abbreviation:,MANUAL\_006\_A  
Start Date:,05/18/2015  
Start Time:,11:27:17  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15

5-18-15 Upwind Dust

Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.039  
,Minimum: ,0.037  
,Time of Minimum: ,11:32:17  
,Date of Minimum: ,05/18/2015  
,Maximum: ,0.048  
,Time of Maximum: ,11:28:17  
,Date of Maximum: ,05/18/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
05/18/2015,11:28:17,0.048  
05/18/2015,11:29:17,0.038  
05/18/2015,11:30:17,0.038  
05/18/2015,11:31:17,0.038  
05/18/2015,11:32:17,0.037  
05/18/2015,11:33:17,0.038  
05/18/2015,11:34:17,0.038  
05/18/2015,11:35:17,0.038  
05/18/2015,11:36:17,0.038  
05/18/2015,11:37:17,0.038  
05/18/2015,11:38:17,0.038  
05/18/2015,11:39:17,0.038  
05/18/2015,11:40:17,0.038  
05/18/2015,11:41:17,0.038  
05/18/2015,11:42:17,0.038



## TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122518  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,05/19/2015  
Start Time:,08:08:35  
Duration (dd:hh:mm:ss):,0:06:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,27  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.013  
,Minimum:,0.009  
,Time of Minimum:,09:38:35  
,Date of Minimum:,05/19/2015  
,Maximum:,0.028  
,Time of Maximum:,08:23:35  
,Date of Maximum:,05/19/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,04/29/2015

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/19/2015,08:23:35,0.028  
05/19/2015,08:38:35,0.012  
05/19/2015,08:53:35,0.011  
05/19/2015,09:08:35,0.011  
05/19/2015,09:23:35,0.010  
05/19/2015,09:38:35,0.009  
05/19/2015,09:53:35,0.010  
05/19/2015,10:08:35,0.014  
05/19/2015,10:23:35,0.014  
05/19/2015,10:38:35,0.016  
05/19/2015,10:53:35,0.014  
05/19/2015,11:08:35,0.012  
05/19/2015,11:23:35,0.010  
05/19/2015,11:38:35,0.011  
05/19/2015,11:53:35,0.010  
05/19/2015,12:08:35,0.012  
05/19/2015,12:23:35,0.012  
05/19/2015,12:38:35,0.012  
05/19/2015,12:53:35,0.013  
05/19/2015,13:08:35,0.018  
05/19/2015,13:23:35,0.019  
05/19/2015,13:38:35,0.017  
05/19/2015,13:53:35,0.010  
05/19/2015,14:08:35,0.014  
05/19/2015,14:23:35,0.015  
05/19/2015,14:38:35,0.011  
05/19/2015,14:53:35,0.010

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122518  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,05/19/2015  
Start Time:,13:32:56  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15

5-19-15 Downwind-1 Dust

Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.014  
,Minimum: ,0.009  
,Time of Minimum: ,13:46:56  
,Date of Minimum: ,05/19/2015  
,Maximum: ,0.033  
,Time of Maximum: ,13:33:56  
,Date of Maximum: ,05/19/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,04/29/2015

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/19/2015,13:33:56,0.033  
05/19/2015,13:34:56,0.022  
05/19/2015,13:35:56,0.013  
05/19/2015,13:36:56,0.019  
05/19/2015,13:37:56,0.012  
05/19/2015,13:38:56,0.010  
05/19/2015,13:39:56,0.012  
05/19/2015,13:40:56,0.010  
05/19/2015,13:41:56,0.011  
05/19/2015,13:42:56,0.010  
05/19/2015,13:43:56,0.011  
05/19/2015,13:44:56,0.014  
05/19/2015,13:45:56,0.010  
05/19/2015,13:46:56,0.009  
05/19/2015,13:47:56,0.010

5-19-15 Downwind-1 VOC

15/05/19 08:12

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-909560  
 Unit Firmware Ver V1.20  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 5/19/2015 08:12:04  
 End 5/19/2015 15:09:49  
 Sample Period(s) 900  
 Number of Records 27  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 1.000  
 High Alarm 5.000  
 Over Alarm 15000.000  
 STEL Alarm 25.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 5/19/2015 07:46  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	5/19/2015 08:27:04	0.011	0.183
002	5/19/2015 08:42:04	0.028	0.044
003	5/19/2015 08:57:04	0.054	0.070
004	5/19/2015 09:12:04	0.078	0.093
005	5/19/2015 09:27:04	0.095	0.110
006	5/19/2015 09:42:04	0.111	0.121
007	5/19/2015 09:57:04	0.124	0.135
008	5/19/2015 10:12:04	0.137	0.143
009	5/19/2015 10:27:04	0.148	0.160
010	5/19/2015 10:42:04	0.163	0.181
011	5/19/2015 10:57:04	0.180	0.197
012	5/19/2015 11:12:04	0.191	0.211
013	5/19/2015 11:27:04	0.194	0.213
014	5/19/2015 11:42:04	0.196	0.216
015	5/19/2015 11:57:04	0.196	0.235
016	5/19/2015 12:12:04	0.198	0.221
017	5/19/2015 12:27:04	0.204	0.243
018	5/19/2015 12:42:04	0.201	0.213
019	5/19/2015 12:57:04	0.193	0.397
020	5/19/2015 13:12:04	0.218	0.412
021	5/19/2015 13:27:04	0.229	0.587
022	5/19/2015 13:42:04	0.227	0.336
023	5/19/2015 13:57:04	0.191	0.222
024	5/19/2015 14:12:04	0.204	0.397
025	5/19/2015 14:27:04	0.213	0.386

			5-19-15	Downwind-1	VOC
026	5/19/2015	14:42:04	0.185	0.317	
027	5/19/2015	14:57:04	0.175	0.215	
Peak		0.229	0.587		
Min		0.011	0.044		
Average		0.161	0.232		

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,05/19/2015  
Start Time:,08:02:44  
Duration (dd:hh:mm:ss):,0:07:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,28  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.019  
,Minimum:,0.013  
,Time of Minimum:,11:17:44  
,Date of Minimum:,05/19/2015  
,Maximum:,0.039  
,Time of Maximum:,08:17:44  
,Date of Maximum:,05/19/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/19/2015,08:17:44,0.039  
05/19/2015,08:32:44,0.021  
05/19/2015,08:47:44,0.018  
05/19/2015,09:02:44,0.018  
05/19/2015,09:17:44,0.016  
05/19/2015,09:32:44,0.017  
05/19/2015,09:47:44,0.014  
05/19/2015,10:02:44,0.016  
05/19/2015,10:17:44,0.018  
05/19/2015,10:32:44,0.018  
05/19/2015,10:47:44,0.014  
05/19/2015,11:02:44,0.015  
05/19/2015,11:17:44,0.013  
05/19/2015,11:32:44,0.015  
05/19/2015,11:47:44,0.015  
05/19/2015,12:02:44,0.016  
05/19/2015,12:17:44,0.024  
05/19/2015,12:32:44,0.020  
05/19/2015,12:47:44,0.021  
05/19/2015,13:02:44,0.024  
05/19/2015,13:17:44,0.019  
05/19/2015,13:32:44,0.022  
05/19/2015,13:47:44,0.019  
05/19/2015,14:02:44,0.015  
05/19/2015,14:17:44,0.020  
05/19/2015,14:32:44,0.019  
05/19/2015,14:47:44,0.022  
05/19/2015,15:02:44,0.023

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,05/19/2015  
Start Time:,08:02:45  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00

5-19-15 Downwind-2 Dust

Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.039  
,Minimum:,0.018  
,Time of Minimum:,08:16:45  
,Date of Minimum:,05/19/2015  
,Maximum:,0.052  
,Time of Maximum:,08:05:45  
,Date of Maximum:,05/19/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/19/2015,08:03:45,0.050  
05/19/2015,08:04:45,0.050  
05/19/2015,08:05:45,0.052  
05/19/2015,08:06:45,0.047  
05/19/2015,08:07:45,0.049  
05/19/2015,08:08:45,0.048  
05/19/2015,08:09:45,0.046  
05/19/2015,08:10:45,0.044  
05/19/2015,08:11:45,0.041  
05/19/2015,08:12:45,0.037  
05/19/2015,08:13:45,0.030  
05/19/2015,08:14:45,0.029  
05/19/2015,08:15:45,0.020  
05/19/2015,08:16:45,0.018  
05/19/2015,08:17:45,0.020

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_B  
Start Date:,05/19/2015  
Start Time:,12:29:20  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.021  
,Minimum:,0.014  
,Time of Minimum:,12:31:20  
,Date of Minimum:,05/19/2015  
,Maximum:,0.035  
,Time of Maximum:,12:35:20  
,Date of Maximum:,05/19/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/19/2015,12:30:20,0.023  
05/19/2015,12:31:20,0.014  
05/19/2015,12:32:20,0.027  
05/19/2015,12:33:20,0.024  
05/19/2015,12:34:20,0.027  
05/19/2015,12:35:20,0.035

5-19-15 Downwind-2 Dust

05/19/2015,12:36:20,0.033  
05/19/2015,12:37:20,0.015  
05/19/2015,12:38:20,0.017  
05/19/2015,12:39:20,0.016  
05/19/2015,12:40:20,0.016  
05/19/2015,12:41:20,0.014  
05/19/2015,12:42:20,0.014  
05/19/2015,12:43:20,0.022  
05/19/2015,12:44:20,0.019

5-19-15 Downwind-2 VOC

15/05/19 08:15

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 5/19/2015 08:15:12  
 End 5/19/2015 15:18:44  
 Sample Period(s) 900  
 Number of Records 28  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 21.738  
 High Alarm 43.476  
 Over Alarm 15000.000  
 STEL Alarm 43.476  
 TWA Alarm 4.725  
 Measurement Gas Isobutylene  
 Calibration Time 5/19/2015 07:54  
 Peak N/A  
 Min N/A  
 Average N/A

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	5/19/2015 08:30:12	0.022	0.722
002	5/19/2015 08:45:12	0.000	0.000
003	5/19/2015 09:00:12	0.000	0.000
004	5/19/2015 09:15:12	0.000	0.000
005	5/19/2015 09:30:12	0.000	0.000
006	5/19/2015 09:45:12	0.000	0.000
007	5/19/2015 10:00:12	0.000	0.000
008	5/19/2015 10:15:12	0.000	0.000
009	5/19/2015 10:30:12	0.000	0.000
010	5/19/2015 10:45:12	0.000	0.000
011	5/19/2015 11:00:12	0.000	0.000
012	5/19/2015 11:15:12	0.000	0.000
013	5/19/2015 11:30:12	0.000	0.000
014	5/19/2015 11:45:12	0.000	0.000
015	5/19/2015 12:00:12	0.000	0.000
016	5/19/2015 12:15:12	0.000	0.000
017	5/19/2015 12:30:12	0.000	0.000
018	5/19/2015 12:45:12	0.000	0.000
019	5/19/2015 13:00:12	0.000	0.000
020	5/19/2015 13:15:12	0.000	0.000
021	5/19/2015 13:30:12	0.000	0.000
022	5/19/2015 13:45:12	0.000	0.000
023	5/19/2015 14:00:12	0.000	0.000
024	5/19/2015 14:15:12	0.000	0.000
025	5/19/2015 14:30:12	0.000	0.000



			5-19-15 Downwind-2 VOC	
026	5/19/2015	14:45:12	0.000	0.000
027	5/19/2015	15:00:12	0.000	0.000
028	5/19/2015	15:15:12	0.000	0.000
Peak		0.022	0.722	
Min		0.000	0.000	
Average		0.001	0.026	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,05/19/2015  
Start Time:,08:14:57  
Duration (dd:hh:mm:ss):,0:06:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,27  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.005  
,Minimum:,0.002  
,Time of Minimum:,11:44:57  
,Date of Minimum:,05/19/2015  
,Maximum:,0.011  
,Time of Maximum:,08:29:57  
,Date of Maximum:,05/19/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/19/2015,08:29:57,0.011  
05/19/2015,08:44:57,0.007  
05/19/2015,08:59:57,0.005  
05/19/2015,09:14:57,0.005  
05/19/2015,09:29:57,0.004  
05/19/2015,09:44:57,0.004  
05/19/2015,09:59:57,0.006  
05/19/2015,10:14:57,0.007  
05/19/2015,10:29:57,0.009  
05/19/2015,10:44:57,0.006  
05/19/2015,10:59:57,0.006  
05/19/2015,11:14:57,0.004  
05/19/2015,11:29:57,0.003  
05/19/2015,11:44:57,0.002  
05/19/2015,11:59:57,0.003  
05/19/2015,12:14:57,0.005  
05/19/2015,12:29:57,0.004  
05/19/2015,12:44:57,0.005  
05/19/2015,12:59:57,0.005  
05/19/2015,13:14:57,0.004  
05/19/2015,13:29:57,0.005  
05/19/2015,13:44:57,0.003  
05/19/2015,13:59:57,0.003  
05/19/2015,14:14:57,0.003  
05/19/2015,14:29:57,0.003  
05/19/2015,14:44:57,0.004  
05/19/2015,14:59:57,0.003

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,05/19/2015  
Start Time:,08:14:58  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15

5-19-15 Upwind Dust

Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.011  
,Minimum: ,0.008  
,Time of Minimum: ,08:25:58  
,Date of Minimum: ,05/19/2015  
,Maximum: ,0.033  
,Time of Maximum: ,08:15:58  
,Date of Maximum: ,05/19/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/19/2015,08:15:58,0.033  
05/19/2015,08:16:58,0.015  
05/19/2015,08:17:58,0.012  
05/19/2015,08:18:58,0.011  
05/19/2015,08:19:58,0.011  
05/19/2015,08:20:58,0.010  
05/19/2015,08:21:58,0.010  
05/19/2015,08:22:58,0.009  
05/19/2015,08:23:58,0.010  
05/19/2015,08:24:58,0.009  
05/19/2015,08:25:58,0.008  
05/19/2015,08:26:58,0.008  
05/19/2015,08:27:58,0.008  
05/19/2015,08:28:58,0.008  
05/19/2015,08:29:58,0.008

Model: ,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530143315  
Test ID: ,001  
Test Abbreviation: ,MANUAL\_001\_B  
Start Date: ,05/19/2015  
Start Time: ,13:16:39  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.005  
,Minimum: ,0.003  
,Time of Minimum: ,13:23:39  
,Date of Minimum: ,05/19/2015  
,Maximum: ,0.014  
,Time of Maximum: ,13:17:39  
,Date of Maximum: ,05/19/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/19/2015,13:17:39,0.014  
05/19/2015,13:18:39,0.006  
05/19/2015,13:19:39,0.006  
05/19/2015,13:20:39,0.009  
05/19/2015,13:21:39,0.005  
05/19/2015,13:22:39,0.004  
05/19/2015,13:23:39,0.003

5-19-15 Upwind Dust

05/19/2015,13:24:39,0.003  
05/19/2015,13:25:39,0.003  
05/19/2015,13:26:39,0.003  
05/19/2015,13:27:39,0.003  
05/19/2015,13:28:39,0.003  
05/19/2015,13:29:39,0.003  
05/19/2015,13:30:39,0.004  
05/19/2015,13:31:39,0.004

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122518  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,05/20/2015  
Start Time:,08:01:50  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.014  
,Minimum:,0.007  
,Time of Minimum:,08:31:50  
,Date of Minimum:,05/20/2015  
,Maximum:,0.025  
,Time of Maximum:,09:46:50  
,Date of Maximum:,05/20/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,04/29/2015

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/20/2015,08:16:50,0.009  
05/20/2015,08:31:50,0.007  
05/20/2015,08:46:50,0.011  
05/20/2015,09:01:50,0.012  
05/20/2015,09:16:50,0.011  
05/20/2015,09:31:50,0.017  
05/20/2015,09:46:50,0.025  
05/20/2015,10:01:50,0.021  
05/20/2015,10:16:50,0.019  
05/20/2015,10:31:50,0.016  
05/20/2015,10:46:50,0.019  
05/20/2015,11:01:50,0.018  
05/20/2015,11:16:50,0.014  
05/20/2015,11:31:50,0.013  
05/20/2015,11:46:50,0.012  
05/20/2015,12:01:50,0.011  
05/20/2015,12:16:50,0.011  
05/20/2015,12:31:50,0.009  
05/20/2015,12:46:50,0.010  
05/20/2015,13:01:50,0.011  
05/20/2015,13:16:50,0.012  
05/20/2015,13:31:50,0.017  
05/20/2015,13:46:50,0.012  
05/20/2015,14:01:50,0.011  
05/20/2015,14:16:50,0.011  
05/20/2015,14:31:50,0.016  
05/20/2015,14:46:50,0.013  
05/20/2015,15:01:50,0.013  
05/20/2015,15:16:50,0.011

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122518  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_A  
Start Date:,05/20/2015  
Start Time:,13:20:27  
Duration (dd:hh:mm:ss):,0:00:15:00

5-20-15 Downwind-1 Dust

Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.018  
,Minimum:,0.010  
,Time of Minimum:,13:33:27  
,Date of Minimum:,05/20/2015  
,Maximum:,0.080  
,Time of Maximum:,13:21:27  
,Date of Maximum:,05/20/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,04/29/2015

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/20/2015,13:21:27,0.080  
05/20/2015,13:22:27,0.013  
05/20/2015,13:23:27,0.014  
05/20/2015,13:24:27,0.012  
05/20/2015,13:25:27,0.011  
05/20/2015,13:26:27,0.014  
05/20/2015,13:27:27,0.012  
05/20/2015,13:28:27,0.012  
05/20/2015,13:29:27,0.013  
05/20/2015,13:30:27,0.020  
05/20/2015,13:31:27,0.016  
05/20/2015,13:32:27,0.012  
05/20/2015,13:33:27,0.010  
05/20/2015,13:34:27,0.011  
05/20/2015,13:35:27,0.014

5-20-15 Downwind-1 VOC

15/05/20 08:05

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-909560  
 Unit Firmware Ver V1.20  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 5/20/2015 08:05:38  
 End 5/20/2015 15:34:16  
 Sample Period(s) 900  
 Number of Records 29  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 1.000  
 High Alarm 5.000  
 Over Alarm 15000.000  
 STEL Alarm 25.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 5/20/2015 07:45  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	5/20/2015 08:20:38	0.170	0.256
002	5/20/2015 08:35:38	0.287	0.313
003	5/20/2015 08:50:38	0.329	0.344
004	5/20/2015 09:05:38	0.353	0.364
005	5/20/2015 09:20:38	0.370	0.377
006	5/20/2015 09:35:38	0.383	0.399
007	5/20/2015 09:50:38	0.414	0.425
008	5/20/2015 10:05:38	0.427	0.433
009	5/20/2015 10:20:38	0.423	0.448
010	5/20/2015 10:35:38	0.402	0.415
011	5/20/2015 10:50:38	0.423	0.441
012	5/20/2015 11:05:38	0.459	0.484
013	5/20/2015 11:20:38	0.482	0.490
014	5/20/2015 11:35:38	0.420	0.479
015	5/20/2015 11:50:38	0.443	0.447
016	5/20/2015 12:05:38	0.442	0.447
017	5/20/2015 12:20:38	0.446	0.451
018	5/20/2015 12:35:38	0.447	0.452
019	5/20/2015 12:50:38	0.447	0.453
020	5/20/2015 13:05:38	0.449	0.454
021	5/20/2015 13:20:38	0.447	0.468
022	5/20/2015 13:35:38	0.283	0.468
023	5/20/2015 13:50:38	0.129	0.171
024	5/20/2015 14:05:38	0.088	0.102
025	5/20/2015 14:20:38	0.071	0.090

				5-20-15 Downwind-1 VOC	
026	5/20/2015	14:35:38		0.063	0.090
027	5/20/2015	14:50:38		0.056	0.074
028	5/20/2015	15:05:38		0.051	0.067
029	5/20/2015	15:20:38		0.050	0.084
Peak		0.482	0.490		
Min		0.050	0.067		
Average		0.319	0.344		



TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,05/20/2015  
Start Time:,08:01:31  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.013  
,Minimum:,0.008  
,Time of Minimum:,11:46:31  
,Date of Minimum:,05/20/2015  
,Maximum:,0.026  
,Time of Maximum:,09:46:31  
,Date of Maximum:,05/20/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/20/2015,08:16:31,0.015  
05/20/2015,08:31:31,0.009  
05/20/2015,08:46:31,0.013  
05/20/2015,09:01:31,0.011  
05/20/2015,09:16:31,0.010  
05/20/2015,09:31:31,0.022  
05/20/2015,09:46:31,0.026  
05/20/2015,10:01:31,0.020  
05/20/2015,10:16:31,0.019  
05/20/2015,10:31:31,0.019  
05/20/2015,10:46:31,0.018  
05/20/2015,11:01:31,0.016  
05/20/2015,11:16:31,0.013  
05/20/2015,11:31:31,0.011  
05/20/2015,11:46:31,0.008  
05/20/2015,12:01:31,0.009  
05/20/2015,12:16:31,0.009  
05/20/2015,12:31:31,0.010  
05/20/2015,12:46:31,0.010  
05/20/2015,13:01:31,0.010  
05/20/2015,13:16:31,0.010  
05/20/2015,13:31:31,0.012  
05/20/2015,13:46:31,0.011  
05/20/2015,14:01:31,0.010  
05/20/2015,14:16:31,0.010  
05/20/2015,14:31:31,0.010  
05/20/2015,14:46:31,0.012  
05/20/2015,15:01:31,0.011  
05/20/2015,15:16:31,0.013

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_A  
Start Date:,05/20/2015  
Start Time:,08:01:32  
Duration (dd:hh:mm:ss):,0:00:15:00

5-20-15 Downwind-2 Dust

Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.015  
,Minimum:,0.006  
,Time of Minimum:,08:08:32  
,Date of Minimum:,05/20/2015  
,Maximum:,0.111  
,Time of Maximum:,08:02:32  
,Date of Maximum:,05/20/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/20/2015,08:02:32,0.111  
05/20/2015,08:03:32,0.008  
05/20/2015,08:04:32,0.007  
05/20/2015,08:05:32,0.011  
05/20/2015,08:06:32,0.011  
05/20/2015,08:07:32,0.007  
05/20/2015,08:08:32,0.006  
05/20/2015,08:09:32,0.006  
05/20/2015,08:10:32,0.007  
05/20/2015,08:11:32,0.008  
05/20/2015,08:12:32,0.006  
05/20/2015,08:13:32,0.008  
05/20/2015,08:14:32,0.009  
05/20/2015,08:15:32,0.008  
05/20/2015,08:16:32,0.008

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_B  
Start Date:,05/20/2015  
Start Time:,13:23:22  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.012  
,Minimum:,0.009  
,Time of Minimum:,13:28:22  
,Date of Minimum:,05/20/2015  
,Maximum:,0.024  
,Time of Maximum:,13:24:22  
,Date of Maximum:,05/20/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/20/2015,13:24:22,0.024  
05/20/2015,13:25:22,0.013  
05/20/2015,13:26:22,0.011  
05/20/2015,13:27:22,0.010  
05/20/2015,13:28:22,0.009

5-20-15 Downwind-2 Dust

05/20/2015,13:29:22,0.010  
05/20/2015,13:30:22,0.013  
05/20/2015,13:31:22,0.011  
05/20/2015,13:32:22,0.012  
05/20/2015,13:33:22,0.013  
05/20/2015,13:34:22,0.010  
05/20/2015,13:35:22,0.010  
05/20/2015,13:36:22,0.010  
05/20/2015,13:37:22,0.010  
05/20/2015,13:38:22,0.010

5-20-15 Downwind-2 VOC

15/05/20 08:14

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 5/20/2015 08:14:23  
 End 5/20/2015 15:43:44  
 Sample Period(s) 900  
 Number of Records 29  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 21.738  
 High Alarm 43.476  
 Over Alarm 15000.000  
 STEL Alarm 43.476  
 TWA Alarm 4.725  
 Measurement Gas Isobutylene  
 Calibration Time 5/20/2015 07:53  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	5/20/2015 08:29:23	0.013	0.517
002	5/20/2015 08:44:23	0.000	0.000
003	5/20/2015 08:59:23	0.000	0.000
004	5/20/2015 09:14:23	0.000	0.000
005	5/20/2015 09:29:23	0.000	0.000
006	5/20/2015 09:44:23	0.000	0.000
007	5/20/2015 09:59:23	0.000	0.000
008	5/20/2015 10:14:23	0.000	0.000
009	5/20/2015 10:29:23	0.000	0.000
010	5/20/2015 10:44:23	0.000	0.000
011	5/20/2015 10:59:23	0.000	0.000
012	5/20/2015 11:14:23	0.000	0.000
013	5/20/2015 11:29:23	0.000	0.000
014	5/20/2015 11:44:23	0.000	0.000
015	5/20/2015 11:59:23	0.000	0.000
016	5/20/2015 12:14:23	0.000	0.000
017	5/20/2015 12:29:23	0.000	0.000
018	5/20/2015 12:44:23	0.000	0.000
019	5/20/2015 12:59:23	0.000	0.000
020	5/20/2015 13:14:23	0.000	0.000
021	5/20/2015 13:29:23	0.000	0.000
022	5/20/2015 13:44:23	0.000	0.000
023	5/20/2015 13:59:23	0.000	0.000
024	5/20/2015 14:14:23	0.000	0.000
025	5/20/2015 14:29:23	0.000	0.000

				5-20-15 Downwind-2 VOC	
026	5/20/2015	14:44:23		0.000	0.000
027	5/20/2015	14:59:23		0.000	0.000
028	5/20/2015	15:14:23		0.000	0.000
029	5/20/2015	15:29:23		0.000	0.000
Peak		0.013	0.517		
Min		0.000	0.000		
Average		0.000	0.018		

5-20-15 Upwind Dust  
TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,05/20/2015  
Start Time:,08:06:06  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.011  
,Minimum:,0.004  
,Time of Minimum:,08:21:06  
,Date of Minimum:,05/20/2015  
,Maximum:,0.022  
,Time of Maximum:,09:36:06  
,Date of Maximum:,05/20/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/20/2015,08:21:06,0.004  
05/20/2015,08:36:06,0.007  
05/20/2015,08:51:06,0.009  
05/20/2015,09:06:06,0.007  
05/20/2015,09:21:06,0.012  
05/20/2015,09:36:06,0.022  
05/20/2015,09:51:06,0.022  
05/20/2015,10:06:06,0.017  
05/20/2015,10:21:06,0.017  
05/20/2015,10:36:06,0.018  
05/20/2015,10:51:06,0.018  
05/20/2015,11:06:06,0.015  
05/20/2015,11:21:06,0.012  
05/20/2015,11:36:06,0.011  
05/20/2015,11:51:06,0.010  
05/20/2015,12:06:06,0.008  
05/20/2015,12:21:06,0.009  
05/20/2015,12:36:06,0.009  
05/20/2015,12:51:06,0.009  
05/20/2015,13:06:06,0.009  
05/20/2015,13:21:06,0.010  
05/20/2015,13:36:06,0.010  
05/20/2015,13:51:06,0.010  
05/20/2015,14:06:06,0.009  
05/20/2015,14:21:06,0.009  
05/20/2015,14:36:06,0.011  
05/20/2015,14:51:06,0.008  
05/20/2015,15:06:06,0.008  
05/20/2015,15:21:06,0.008  
05/20/2015,15:36:06,0.008

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122518  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,05/21/2015  
Start Time:,08:03:58  
Duration (dd:hh:mm:ss):,0:06:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,27  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.013  
,Minimum:,0.010  
,Time of Minimum:,11:48:58  
,Date of Minimum:,05/21/2015  
,Maximum:,0.020  
,Time of Maximum:,08:33:58  
,Date of Maximum:,05/21/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,04/29/2015

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/21/2015,08:18:58,0.016  
05/21/2015,08:33:58,0.020  
05/21/2015,08:48:58,0.011  
05/21/2015,09:03:58,0.014  
05/21/2015,09:18:58,0.012  
05/21/2015,09:33:58,0.012  
05/21/2015,09:48:58,0.011  
05/21/2015,10:03:58,0.012  
05/21/2015,10:18:58,0.011  
05/21/2015,10:33:58,0.012  
05/21/2015,10:48:58,0.013  
05/21/2015,11:03:58,0.014  
05/21/2015,11:18:58,0.012  
05/21/2015,11:33:58,0.012  
05/21/2015,11:48:58,0.010  
05/21/2015,12:03:58,0.012  
05/21/2015,12:18:58,0.013  
05/21/2015,12:33:58,0.014  
05/21/2015,12:48:58,0.014  
05/21/2015,13:03:58,0.014  
05/21/2015,13:18:58,0.014  
05/21/2015,13:33:58,0.014  
05/21/2015,13:48:58,0.013  
05/21/2015,14:03:58,0.012  
05/21/2015,14:18:58,0.011  
05/21/2015,14:33:58,0.011  
05/21/2015,14:48:58,0.014

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122518  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_A  
Start Date:,05/21/2015  
Start Time:,12:00:20  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15

Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.013  
,Minimum: ,0.010  
,Time of Minimum: ,12:02:20  
,Date of Minimum: ,05/21/2015  
,Maximum: ,0.021  
,Time of Maximum: ,12:14:20  
,Date of Maximum: ,05/21/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,04/29/2015

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/21/2015,12:01:20,0.020  
05/21/2015,12:02:20,0.010  
05/21/2015,12:03:20,0.010  
05/21/2015,12:04:20,0.012  
05/21/2015,12:05:20,0.017  
05/21/2015,12:06:20,0.014  
05/21/2015,12:07:20,0.010  
05/21/2015,12:08:20,0.010  
05/21/2015,12:09:20,0.010  
05/21/2015,12:10:20,0.014  
05/21/2015,12:11:20,0.015  
05/21/2015,12:12:20,0.013  
05/21/2015,12:13:20,0.012  
05/21/2015,12:14:20,0.021  
05/21/2015,12:15:20,0.013

Model: ,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530122518  
Test ID: ,003  
Test Abbreviation: ,MANUAL\_003\_B  
Start Date: ,05/21/2015  
Start Time: ,14:14:34  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.012  
,Minimum: ,0.009  
,Time of Minimum: ,14:28:34  
,Date of Minimum: ,05/21/2015  
,Maximum: ,0.022  
,Time of Maximum: ,14:15:34  
,Date of Maximum: ,05/21/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,04/29/2015

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/21/2015,14:15:34,0.022  
05/21/2015,14:16:34,0.011  
05/21/2015,14:17:34,0.012  
05/21/2015,14:18:34,0.010  
05/21/2015,14:19:34,0.013  
05/21/2015,14:20:34,0.011  
05/21/2015,14:21:34,0.010



5-21-15 Downwind-1 Dust

05/21/2015,14:22:34,0.012  
05/21/2015,14:23:34,0.012  
05/21/2015,14:24:34,0.010  
05/21/2015,14:25:34,0.013  
05/21/2015,14:26:34,0.011  
05/21/2015,14:27:34,0.011  
05/21/2015,14:28:34,0.009  
05/21/2015,14:29:34,0.012

5-21-15 Downwind-1 VOC

15/05/21 08:07

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-909560  
 Unit Firmware Ver V1.20  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 5/21/2015 08:07:44  
 End 5/21/2015 14:54:29  
 Sample Period(s) 900  
 Number of Records 27  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 1.000  
 High Alarm 5.000  
 Over Alarm 15000.000  
 STEL Alarm 25.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 5/21/2015 07:38  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	5/21/2015 08:22:44	0.048	0.146
002	5/21/2015 08:37:44	0.062	0.093
003	5/21/2015 08:52:44	0.073	0.087
004	5/21/2015 09:07:44	0.082	0.095
005	5/21/2015 09:22:44	0.090	0.109
006	5/21/2015 09:37:44	0.095	0.103
007	5/21/2015 09:52:44	0.099	0.108
008	5/21/2015 10:07:44	0.128	0.160
009	5/21/2015 10:22:44	0.163	0.174
010	5/21/2015 10:37:44	0.151	0.169
011	5/21/2015 10:52:44	0.137	0.146
012	5/21/2015 11:07:44	0.145	0.157
013	5/21/2015 11:22:44	0.131	0.151
014	5/21/2015 11:37:44	0.111	0.122
015	5/21/2015 11:52:44	0.117	0.133
016	5/21/2015 12:07:44	0.123	0.131
017	5/21/2015 12:22:44	0.125	0.138
018	5/21/2015 12:37:44	0.154	0.170
019	5/21/2015 12:52:44	0.158	0.169
020	5/21/2015 13:07:44	0.140	0.155
021	5/21/2015 13:22:44	0.135	0.145
022	5/21/2015 13:37:44	0.113	0.128
023	5/21/2015 13:52:44	0.094	0.103
024	5/21/2015 14:07:44	0.086	0.094
025	5/21/2015 14:22:44	0.080	0.089

		5-21-15 Downwind-1 VOC	
026	5/21/2015 14:37:44	0.082	0.091
027	5/21/2015 14:52:44	0.088	0.099
Peak	0.163	0.174	
Min	0.048	0.087	
Average	0.111	0.128	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,05/21/2015  
Start Time:,07:58:47  
Duration (dd:hh:mm:ss):,0:06:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,27  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.012  
,Minimum:,0.008  
,Time of Minimum:,14:13:47  
,Date of Minimum:,05/21/2015  
,Maximum:,0.022  
,Time of Maximum:,12:58:47  
,Date of Maximum:,05/21/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/21/2015,08:13:47,0.015  
05/21/2015,08:28:47,0.013  
05/21/2015,08:43:47,0.011  
05/21/2015,08:58:47,0.010  
05/21/2015,09:13:47,0.010  
05/21/2015,09:28:47,0.012  
05/21/2015,09:43:47,0.013  
05/21/2015,09:58:47,0.017  
05/21/2015,10:13:47,0.010  
05/21/2015,10:28:47,0.017  
05/21/2015,10:43:47,0.015  
05/21/2015,10:58:47,0.013  
05/21/2015,11:13:47,0.012  
05/21/2015,11:28:47,0.016  
05/21/2015,11:43:47,0.013  
05/21/2015,11:58:47,0.010  
05/21/2015,12:13:47,0.014  
05/21/2015,12:28:47,0.009  
05/21/2015,12:43:47,0.010  
05/21/2015,12:58:47,0.022  
05/21/2015,13:13:47,0.014  
05/21/2015,13:28:47,0.010  
05/21/2015,13:43:47,0.009  
05/21/2015,13:58:47,0.009  
05/21/2015,14:13:47,0.008  
05/21/2015,14:28:47,0.009  
05/21/2015,14:43:47,0.011

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_A  
Start Date:,05/21/2015  
Start Time:,07:58:48  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15

Notes: ,

Statistics,Channel: ,AEROSOL  
 ,Units: ,mg/m<sup>3</sup>  
 ,Average: ,0.015  
 ,Minimum: ,0.010  
 ,Time of Minimum: ,08:06:48  
 ,Date of Minimum: ,05/21/2015  
 ,Maximum: ,0.051  
 ,Time of Maximum: ,07:59:48  
 ,Date of Maximum: ,05/21/2015

Calibration,Sensor: ,AEROSOL  
 ,Cal. date,10/09/2014

Date,Time,AEROSOL  
 MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
 05/21/2015,07:59:48,0.051  
 05/21/2015,08:00:48,0.017  
 05/21/2015,08:01:48,0.013  
 05/21/2015,08:02:48,0.013  
 05/21/2015,08:03:48,0.013  
 05/21/2015,08:04:48,0.011  
 05/21/2015,08:05:48,0.011  
 05/21/2015,08:06:48,0.010  
 05/21/2015,08:07:48,0.010  
 05/21/2015,08:08:48,0.011  
 05/21/2015,08:09:48,0.011  
 05/21/2015,08:10:48,0.011  
 05/21/2015,08:11:48,0.011  
 05/21/2015,08:12:48,0.012  
 05/21/2015,08:13:48,0.016

Model: ,DustTrak II  
 Model Number: ,8530  
 Serial Number: ,8530122515  
 Test ID: ,003  
 Test Abbreviation: ,MANUAL\_003\_B  
 Start Date: ,05/21/2015  
 Start Time: ,10:26:20  
 Duration (dd:hh:mm:ss): ,0:00:15:00  
 Log Interval (mm:ss): ,01:00  
 Number of points: ,15  
 Notes: ,

Statistics,Channel: ,AEROSOL  
 ,Units: ,mg/m<sup>3</sup>  
 ,Average: ,0.015  
 ,Minimum: ,0.008  
 ,Time of Minimum: ,10:32:20  
 ,Date of Minimum: ,05/21/2015  
 ,Maximum: ,0.029  
 ,Time of Maximum: ,10:27:20  
 ,Date of Maximum: ,05/21/2015

Calibration,Sensor: ,AEROSOL  
 ,Cal. date,10/09/2014

Date,Time,AEROSOL  
 MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
 05/21/2015,10:27:20,0.029  
 05/21/2015,10:28:20,0.016  
 05/21/2015,10:29:20,0.014  
 05/21/2015,10:30:20,0.014  
 05/21/2015,10:31:20,0.011  
 05/21/2015,10:32:20,0.008  
 05/21/2015,10:33:20,0.014

5-21-15 Downwind-2 Dust

05/21/2015,10:34:20,0.025  
05/21/2015,10:35:20,0.011  
05/21/2015,10:36:20,0.013  
05/21/2015,10:37:20,0.019  
05/21/2015,10:38:20,0.013  
05/21/2015,10:39:20,0.009  
05/21/2015,10:40:20,0.016  
05/21/2015,10:41:20,0.010

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_C  
Start Date:,05/21/2015  
Start Time:,12:44:18  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.021  
,Minimum:,0.009  
,Time of Minimum:,12:54:18  
,Date of Minimum:,05/21/2015  
,Maximum:,0.142  
,Time of Maximum:,12:45:18  
,Date of Maximum:,05/21/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/21/2015,12:45:18,0.142  
05/21/2015,12:46:18,0.023  
05/21/2015,12:47:18,0.016  
05/21/2015,12:48:18,0.023  
05/21/2015,12:49:18,0.010  
05/21/2015,12:50:18,0.010  
05/21/2015,12:51:18,0.011  
05/21/2015,12:52:18,0.013  
05/21/2015,12:53:18,0.011  
05/21/2015,12:54:18,0.009  
05/21/2015,12:55:18,0.009  
05/21/2015,12:56:18,0.009  
05/21/2015,12:57:18,0.009  
05/21/2015,12:58:18,0.009  
05/21/2015,12:59:18,0.009

5-21-15 Downwind-2 VOC

15/05/21 08:11

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 5/21/2015 08:11:54  
 End 5/21/2015 15:05:32  
 Sample Period(s) 900  
 Number of Records 27  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 21.738  
 High Alarm 43.476  
 Over Alarm 15000.000  
 STEL Alarm 43.476  
 TWA Alarm 4.725  
 Measurement Gas Isobutylene  
 Calibration Time 5/21/2015 07:46  
 Peak N/A  
 Min N/A  
 Average N/A

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	5/21/2015 08:26:54	0.016	0.936
002	5/21/2015 08:41:54	0.000	0.000
003	5/21/2015 08:56:54	0.000	0.000
004	5/21/2015 09:11:54	0.000	0.000
005	5/21/2015 09:26:54	0.000	0.000
006	5/21/2015 09:41:54	0.000	0.000
007	5/21/2015 09:56:54	0.000	0.000
008	5/21/2015 10:11:54	0.000	0.000
009	5/21/2015 10:26:54	0.000	0.000
010	5/21/2015 10:41:54	0.000	0.000
011	5/21/2015 10:56:54	0.000	0.000
012	5/21/2015 11:11:54	0.000	0.000
013	5/21/2015 11:26:54	0.000	0.000
014	5/21/2015 11:41:54	0.000	0.000
015	5/21/2015 11:56:54	0.000	0.000
016	5/21/2015 12:11:54	0.000	0.000
017	5/21/2015 12:26:54	0.000	0.000
018	5/21/2015 12:41:54	0.000	0.000
019	5/21/2015 12:56:54	0.000	0.000
020	5/21/2015 13:11:54	0.000	0.000
021	5/21/2015 13:26:54	0.000	0.000
022	5/21/2015 13:41:54	0.000	0.000
023	5/21/2015 13:56:54	0.000	0.000
024	5/21/2015 14:11:54	0.000	0.000
025	5/21/2015 14:26:54	0.000	0.000

			5-21-15	Downwind-2	VOC
026	5/21/2015	14:41:54	0.000	0.000	
027	5/21/2015	14:56:54	0.000	0.000	
Peak		0.016	0.936		
Min		0.000	0.000		
Average		0.001	0.035		



TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,05/21/2015  
Start Time:,08:06:16  
Duration (dd:hh:mm:ss):,0:06:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,27  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.009  
,Minimum:,0.007  
,Time of Minimum:,09:36:16  
,Date of Minimum:,05/21/2015  
,Maximum:,0.012  
,Time of Maximum:,10:06:16  
,Date of Maximum:,05/21/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/21/2015,08:21:16,0.010  
05/21/2015,08:36:16,0.009  
05/21/2015,08:51:16,0.009  
05/21/2015,09:06:16,0.008  
05/21/2015,09:21:16,0.008  
05/21/2015,09:36:16,0.007  
05/21/2015,09:51:16,0.010  
05/21/2015,10:06:16,0.012  
05/21/2015,10:21:16,0.009  
05/21/2015,10:36:16,0.009  
05/21/2015,10:51:16,0.009  
05/21/2015,11:06:16,0.008  
05/21/2015,11:21:16,0.010  
05/21/2015,11:36:16,0.009  
05/21/2015,11:51:16,0.008  
05/21/2015,12:06:16,0.008  
05/21/2015,12:21:16,0.009  
05/21/2015,12:36:16,0.009  
05/21/2015,12:51:16,0.009  
05/21/2015,13:06:16,0.009  
05/21/2015,13:21:16,0.009  
05/21/2015,13:36:16,0.009  
05/21/2015,13:51:16,0.009  
05/21/2015,14:06:16,0.007  
05/21/2015,14:21:16,0.007  
05/21/2015,14:36:16,0.007  
05/21/2015,14:51:16,0.008

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_A  
Start Date:,05/21/2015  
Start Time:,09:59:43  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15

5-21-15 Upwind Dust

Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.010  
,Minimum: ,0.007  
,Time of Minimum: ,10:01:43  
,Date of Minimum: ,05/21/2015  
,Maximum: ,0.050  
,Time of Maximum: ,10:00:43  
,Date of Maximum: ,05/21/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/21/2015,10:00:43,0.050  
05/21/2015,10:01:43,0.007  
05/21/2015,10:02:43,0.007  
05/21/2015,10:03:43,0.007  
05/21/2015,10:04:43,0.007  
05/21/2015,10:05:43,0.007  
05/21/2015,10:06:43,0.007  
05/21/2015,10:07:43,0.007  
05/21/2015,10:08:43,0.007  
05/21/2015,10:09:43,0.007  
05/21/2015,10:10:43,0.007  
05/21/2015,10:11:43,0.007  
05/21/2015,10:12:43,0.007  
05/21/2015,10:13:43,0.007  
05/21/2015,10:14:43,0.007

Model: ,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530143315  
Test ID: ,003  
Test Abbreviation: ,MANUAL\_003\_B  
Start Date: ,05/21/2015  
Start Time: ,11:20:31  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.010  
,Minimum: ,0.008  
,Time of Minimum: ,11:23:31  
,Date of Minimum: ,05/21/2015  
,Maximum: ,0.023  
,Time of Maximum: ,11:21:31  
,Date of Maximum: ,05/21/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/21/2015,11:21:31,0.023  
05/21/2015,11:22:31,0.010  
05/21/2015,11:23:31,0.008  
05/21/2015,11:24:31,0.008  
05/21/2015,11:25:31,0.009  
05/21/2015,11:26:31,0.009  
05/21/2015,11:27:31,0.012

5-21-15 Upwind Dust

05/21/2015,11:28:31,0.009  
05/21/2015,11:29:31,0.009  
05/21/2015,11:30:31,0.008  
05/21/2015,11:31:31,0.008  
05/21/2015,11:32:31,0.008  
05/21/2015,11:33:31,0.008  
05/21/2015,11:34:31,0.008  
05/21/2015,11:35:31,0.009

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_C  
Start Date:,05/21/2015  
Start Time:,13:36:30  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.009  
,Minimum:,0.008  
,Time of Minimum:,13:38:30  
,Date of Minimum:,05/21/2015  
,Maximum:,0.021  
,Time of Maximum:,13:37:30  
,Date of Maximum:,05/21/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/21/2015,13:37:30,0.021  
05/21/2015,13:38:30,0.008  
05/21/2015,13:39:30,0.009  
05/21/2015,13:40:30,0.009  
05/21/2015,13:41:30,0.010  
05/21/2015,13:42:30,0.011  
05/21/2015,13:43:30,0.009  
05/21/2015,13:44:30,0.009  
05/21/2015,13:45:30,0.009  
05/21/2015,13:46:30,0.009  
05/21/2015,13:47:30,0.009  
05/21/2015,13:48:30,0.008  
05/21/2015,13:49:30,0.008  
05/21/2015,13:50:30,0.008  
05/21/2015,13:51:30,0.008

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122518  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,05/22/2015  
Start Time:,08:04:23  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.017  
,Minimum:,0.009  
,Time of Minimum:,12:34:23  
,Date of Minimum:,05/22/2015  
,Maximum:,0.027  
,Time of Maximum:,14:34:23  
,Date of Maximum:,05/22/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,04/29/2015

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/22/2015,08:19:23,0.010  
05/22/2015,08:34:23,0.010  
05/22/2015,08:49:23,0.010  
05/22/2015,09:04:23,0.013  
05/22/2015,09:19:23,0.011  
05/22/2015,09:34:23,0.012  
05/22/2015,09:49:23,0.015  
05/22/2015,10:04:23,0.015  
05/22/2015,10:19:23,0.020  
05/22/2015,10:34:23,0.017  
05/22/2015,10:49:23,0.022  
05/22/2015,11:04:23,0.016  
05/22/2015,11:19:23,0.016  
05/22/2015,11:34:23,0.016  
05/22/2015,11:49:23,0.020  
05/22/2015,12:04:23,0.010  
05/22/2015,12:19:23,0.010  
05/22/2015,12:34:23,0.009  
05/22/2015,12:49:23,0.021  
05/22/2015,13:04:23,0.023  
05/22/2015,13:19:23,0.015  
05/22/2015,13:34:23,0.018  
05/22/2015,13:49:23,0.017  
05/22/2015,14:04:23,0.022  
05/22/2015,14:19:23,0.019  
05/22/2015,14:34:23,0.027  
05/22/2015,14:49:23,0.023  
05/22/2015,15:04:23,0.025  
05/22/2015,15:19:23,0.019

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122518  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_A  
Start Date:,05/22/2015  
Start Time:,12:58:00  
Duration (dd:hh:mm:ss):,0:00:15:00

5-22-15 Downwind-1 Dust

Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.015  
,Minimum:,0.007  
,Time of Minimum:,13:11:00  
,Date of Minimum:,05/22/2015  
,Maximum:,0.053  
,Time of Maximum:,12:59:00  
,Date of Maximum:,05/22/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,04/29/2015

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/22/2015,12:59:00,0.053  
05/22/2015,13:00:00,0.011  
05/22/2015,13:01:00,0.010  
05/22/2015,13:02:00,0.009  
05/22/2015,13:03:00,0.009  
05/22/2015,13:04:00,0.009  
05/22/2015,13:05:00,0.012  
05/22/2015,13:06:00,0.016  
05/22/2015,13:07:00,0.027  
05/22/2015,13:08:00,0.014  
05/22/2015,13:09:00,0.009  
05/22/2015,13:10:00,0.012  
05/22/2015,13:11:00,0.007  
05/22/2015,13:12:00,0.014  
05/22/2015,13:13:00,0.011

5-22-15 Downwind-1 VOC

15/05/22 08:08

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Summary

Unit Name MiniRAE 3000(PGM-7320)  
Unit SN 592-909560  
Unit Firmware Ver V1.20

Running Mode Hygiene Mode  
Measure Type Avg; Max  
Datalog Mode Continuous  
Datalog Type Auto  
Diagnostic Mode No  
Stop Reason Power Down

Site ID RAE00000  
User ID 00000001

Begin 5/22/2015 08:08:23  
End 5/22/2015 15:36:24  
Sample Period(s) 900  
Number of Records 29

Sensor VOC(ppm)  
Span 100.000  
Span 2 N/A  
Low Alarm 1.000  
High Alarm 5.000  
Over Alarm 15000.000  
STEL Alarm 25.000  
TWA Alarm 10.000  
Measurement Gas Isobutylene  
Calibration Time 5/22/2015 07:37  
Peak N/A  
Min N/A  
Average N/A

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	5/22/2015 08:23:23	0.042	0.178
002	5/22/2015 08:38:23	0.048	0.059
003	5/22/2015 08:53:23	0.075	0.106
004	5/22/2015 09:08:23	0.139	0.178
005	5/22/2015 09:23:23	0.164	0.198
006	5/22/2015 09:38:23	0.152	0.173
007	5/22/2015 09:53:23	0.136	0.193
008	5/22/2015 10:08:23	0.135	0.225
009	5/22/2015 10:23:23	0.138	0.221
010	5/22/2015 10:38:23	0.121	0.174
011	5/22/2015 10:53:23	0.148	0.248
012	5/22/2015 11:08:23	0.135	0.253
013	5/22/2015 11:23:23	0.120	0.154
014	5/22/2015 11:38:23	0.125	0.244
015	5/22/2015 11:53:23	0.133	0.314
016	5/22/2015 12:08:23	0.114	0.157
017	5/22/2015 12:23:23	0.116	0.155
018	5/22/2015 12:38:23	0.122	0.128
019	5/22/2015 12:53:23	0.161	0.345
020	5/22/2015 13:08:23	0.173	0.578
021	5/22/2015 13:23:23	0.144	0.360
022	5/22/2015 13:38:23	0.151	0.444
023	5/22/2015 13:53:23	0.138	0.278
024	5/22/2015 14:08:23	0.156	0.359
025	5/22/2015 14:23:23	0.154	0.269

				5-22-15 Downwind-1 VOC	
026	5/22/2015	14:38:23		0.191	0.434
027	5/22/2015	14:53:23		0.166	0.363
028	5/22/2015	15:08:23		0.145	0.205
029	5/22/2015	15:23:23		0.125	0.242
Peak			0.191	0.578	
Min			0.042	0.059	
Average			0.133	0.249	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,05/22/2015  
Start Time:,08:04:05  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.014  
,Minimum:,0.011  
,Time of Minimum:,11:19:05  
,Date of Minimum:,05/22/2015  
,Maximum:,0.023  
,Time of Maximum:,10:19:05  
,Date of Maximum:,05/22/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/22/2015,08:19:05,0.017  
05/22/2015,08:34:05,0.012  
05/22/2015,08:49:05,0.012  
05/22/2015,09:04:05,0.012  
05/22/2015,09:19:05,0.012  
05/22/2015,09:34:05,0.015  
05/22/2015,09:49:05,0.015  
05/22/2015,10:04:05,0.014  
05/22/2015,10:19:05,0.023  
05/22/2015,10:34:05,0.013  
05/22/2015,10:49:05,0.015  
05/22/2015,11:04:05,0.014  
05/22/2015,11:19:05,0.011  
05/22/2015,11:34:05,0.013  
05/22/2015,11:49:05,0.012  
05/22/2015,12:04:05,0.013  
05/22/2015,12:19:05,0.013  
05/22/2015,12:34:05,0.013  
05/22/2015,12:49:05,0.015  
05/22/2015,13:04:05,0.015  
05/22/2015,13:19:05,0.012  
05/22/2015,13:34:05,0.017  
05/22/2015,13:49:05,0.020  
05/22/2015,14:04:05,0.018  
05/22/2015,14:19:05,0.018  
05/22/2015,14:34:05,0.017  
05/22/2015,14:49:05,0.013  
05/22/2015,15:04:05,0.013  
05/22/2015,15:19:05,0.012

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_A  
Start Date:,05/22/2015  
Start Time:,08:04:06  
Duration (dd:hh:mm:ss):,0:00:15:00



5-22-15 Downwind-2 Dust

Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.017  
,Minimum:,0.010  
,Time of Minimum:,08:13:06  
,Date of Minimum:,05/22/2015  
,Maximum:,0.047  
,Time of Maximum:,08:05:06  
,Date of Maximum:,05/22/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/22/2015,08:05:06,0.047  
05/22/2015,08:06:06,0.012  
05/22/2015,08:07:06,0.014  
05/22/2015,08:08:06,0.037  
05/22/2015,08:09:06,0.012  
05/22/2015,08:10:06,0.014  
05/22/2015,08:11:06,0.013  
05/22/2015,08:12:06,0.015  
05/22/2015,08:13:06,0.010  
05/22/2015,08:14:06,0.012  
05/22/2015,08:15:06,0.014  
05/22/2015,08:16:06,0.016  
05/22/2015,08:17:06,0.013  
05/22/2015,08:18:06,0.014  
05/22/2015,08:19:06,0.012

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_B  
Start Date:,05/22/2015  
Start Time:,13:53:10  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.019  
,Minimum:,0.015  
,Time of Minimum:,14:00:10  
,Date of Minimum:,05/22/2015  
,Maximum:,0.024  
,Time of Maximum:,14:05:10  
,Date of Maximum:,05/22/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/22/2015,13:54:10,0.020  
05/22/2015,13:55:10,0.016  
05/22/2015,13:56:10,0.022  
05/22/2015,13:57:10,0.021  
05/22/2015,13:58:10,0.018

5-22-15 Downwind-2 Dust

05/22/2015,13:59:10,0.017  
05/22/2015,14:00:10,0.015  
05/22/2015,14:01:10,0.016  
05/22/2015,14:02:10,0.018  
05/22/2015,14:03:10,0.017  
05/22/2015,14:04:10,0.018  
05/22/2015,14:05:10,0.024  
05/22/2015,14:06:10,0.017  
05/22/2015,14:07:10,0.020  
05/22/2015,14:08:10,0.020

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530122515  
Test ID: ,004  
Test Abbreviation: ,MANUAL\_004\_C  
Start Date: ,05/22/2015  
Start Time: ,15:08:21  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.012  
,Minimum: ,0.011  
,Time of Minimum: ,15:14:21  
,Date of Minimum: ,05/22/2015  
,Maximum: ,0.019  
,Time of Maximum: ,15:09:21  
,Date of Maximum: ,05/22/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/22/2015,15:09:21,0.019  
05/22/2015,15:10:21,0.012  
05/22/2015,15:11:21,0.012  
05/22/2015,15:12:21,0.012  
05/22/2015,15:13:21,0.012  
05/22/2015,15:14:21,0.011  
05/22/2015,15:15:21,0.012  
05/22/2015,15:16:21,0.012  
05/22/2015,15:17:21,0.011  
05/22/2015,15:18:21,0.012  
05/22/2015,15:19:21,0.011  
05/22/2015,15:20:21,0.011  
05/22/2015,15:21:21,0.012  
05/22/2015,15:22:21,0.011  
05/22/2015,15:23:21,0.011

5-22-15 Downwind-2 VOC

15/05/22 08:17

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 5/22/2015 08:17:19  
 End 5/22/2015 15:44:43  
 Sample Period(s) 900  
 Number of Records 29  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 21.738  
 High Alarm 43.476  
 Over Alarm 15000.000  
 STEL Alarm 43.476  
 TWA Alarm 4.725  
 Measurement Gas Isobutylene  
 Calibration Time 5/22/2015 07:45  
 Peak N/A  
 Min N/A  
 Average N/A

\*\*\*\*\*

Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	5/22/2015 08:32:19	0.026	0.604
002	5/22/2015 08:47:19	0.000	0.000
003	5/22/2015 09:02:19	0.000	0.000
004	5/22/2015 09:17:19	0.000	0.000
005	5/22/2015 09:32:19	0.000	0.000
006	5/22/2015 09:47:19	0.000	0.000
007	5/22/2015 10:02:19	0.000	0.000
008	5/22/2015 10:17:19	0.000	0.000
009	5/22/2015 10:32:19	0.000	0.000
010	5/22/2015 10:47:19	0.000	0.000
011	5/22/2015 11:02:19	0.000	0.000
012	5/22/2015 11:17:19	0.000	0.003
013	5/22/2015 11:32:19	0.000	0.002
014	5/22/2015 11:47:19	0.000	0.004
015	5/22/2015 12:02:19	0.008	0.017
016	5/22/2015 12:17:19	0.001	0.012
017	5/22/2015 12:32:19	0.000	0.000
018	5/22/2015 12:47:19	0.000	0.000
019	5/22/2015 13:02:19	0.000	0.000
020	5/22/2015 13:17:19	0.000	0.000
021	5/22/2015 13:32:19	0.000	0.000
022	5/22/2015 13:47:19	0.000	0.000
023	5/22/2015 14:02:19	0.000	0.000
024	5/22/2015 14:17:19	0.000	0.000
025	5/22/2015 14:32:19	0.000	0.000

5-22-15 Downwind-2 VOC

026	5/22/2015	14:47:19	0.000	0.000
027	5/22/2015	15:02:19	0.000	0.000
028	5/22/2015	15:17:19	0.000	0.000
029	5/22/2015	15:32:19	0.000	0.000
Peak		0.026	0.604	
Min		0.000	0.000	
Average		0.001	0.022	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,05/22/2015  
Start Time:,08:09:12  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.013  
,Minimum:,0.008  
,Time of Minimum:,13:09:12  
,Date of Minimum:,05/22/2015  
,Maximum:,0.022  
,Time of Maximum:,15:09:12  
,Date of Maximum:,05/22/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL

MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/22/2015,08:24:12,0.010  
05/22/2015,08:39:12,0.010  
05/22/2015,08:54:12,0.011  
05/22/2015,09:09:12,0.011  
05/22/2015,09:24:12,0.012  
05/22/2015,09:39:12,0.012  
05/22/2015,09:54:12,0.012  
05/22/2015,10:09:12,0.013  
05/22/2015,10:24:12,0.011  
05/22/2015,10:39:12,0.015  
05/22/2015,10:54:12,0.011  
05/22/2015,11:09:12,0.010  
05/22/2015,11:24:12,0.015  
05/22/2015,11:39:12,0.012  
05/22/2015,11:54:12,0.010  
05/22/2015,12:09:12,0.010  
05/22/2015,12:24:12,0.010  
05/22/2015,12:39:12,0.011  
05/22/2015,12:54:12,0.010  
05/22/2015,13:09:12,0.008  
05/22/2015,13:24:12,0.010  
05/22/2015,13:39:12,0.012  
05/22/2015,13:54:12,0.012  
05/22/2015,14:09:12,0.013  
05/22/2015,14:24:12,0.016  
05/22/2015,14:39:12,0.018  
05/22/2015,14:54:12,0.020  
05/22/2015,15:09:12,0.022  
05/22/2015,15:24:12,0.017

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_A  
Start Date:,05/22/2015  
Start Time:,11:21:04  
Duration (dd:hh:mm:ss):,0:00:15:00

5-22-15 Upwind Dust

Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.015  
,Minimum:,0.010  
,Time of Minimum:,11:27:04  
,Date of Minimum:,05/22/2015  
,Maximum:,0.057  
,Time of Maximum:,11:22:04  
,Date of Maximum:,05/22/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/22/2015,11:22:04,0.057  
05/22/2015,11:23:04,0.020  
05/22/2015,11:24:04,0.012  
05/22/2015,11:25:04,0.011  
05/22/2015,11:26:04,0.011  
05/22/2015,11:27:04,0.010  
05/22/2015,11:28:04,0.011  
05/22/2015,11:29:04,0.011  
05/22/2015,11:30:04,0.011  
05/22/2015,11:31:04,0.011  
05/22/2015,11:32:04,0.011  
05/22/2015,11:33:04,0.014  
05/22/2015,11:34:04,0.015  
05/22/2015,11:35:04,0.013  
05/22/2015,11:36:04,0.013

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_B  
Start Date:,05/22/2015  
Start Time:,14:51:00  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.025  
,Minimum:,0.013  
,Time of Minimum:,15:06:00  
,Date of Minimum:,05/22/2015  
,Maximum:,0.056  
,Time of Maximum:,14:56:00  
,Date of Maximum:,05/22/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/22/2015,14:52:00,0.049  
05/22/2015,14:53:00,0.014  
05/22/2015,14:54:00,0.014  
05/22/2015,14:55:00,0.022  
05/22/2015,14:56:00,0.056

5-22-15 Upwind Dust

05/22/2015,14:57:00,0.022  
05/22/2015,14:58:00,0.020  
05/22/2015,14:59:00,0.019  
05/22/2015,15:00:00,0.017  
05/22/2015,15:01:00,0.019  
05/22/2015,15:02:00,0.017  
05/22/2015,15:03:00,0.031  
05/22/2015,15:04:00,0.022  
05/22/2015,15:05:00,0.040  
05/22/2015,15:06:00,0.013

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530143315  
Test ID: ,004  
Test Abbreviation: ,MANUAL\_004\_C  
Start Date: ,05/22/2015  
Start Time: ,15:11:19  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.017  
,Minimum: ,0.012  
,Time of Minimum: ,15:15:19  
,Date of Minimum: ,05/22/2015  
,Maximum: ,0.033  
,Time of Maximum: ,15:12:19  
,Date of Maximum: ,05/22/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/22/2015,15:12:19,0.033  
05/22/2015,15:13:19,0.032  
05/22/2015,15:14:19,0.015  
05/22/2015,15:15:19,0.012  
05/22/2015,15:16:19,0.013  
05/22/2015,15:17:19,0.016  
05/22/2015,15:18:19,0.016  
05/22/2015,15:19:19,0.014  
05/22/2015,15:20:19,0.017  
05/22/2015,15:21:19,0.012  
05/22/2015,15:22:19,0.014  
05/22/2015,15:23:19,0.013  
05/22/2015,15:24:19,0.016  
05/22/2015,15:25:19,0.012  
05/22/2015,15:26:19,0.013

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122518  
Test ID:,005  
Test Abbreviation:,MANUAL\_005  
Start Date:,05/26/2015  
Start Time:,07:55:30  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.025  
,Minimum:,0.020  
,Time of Minimum:,08:10:30  
,Date of Minimum:,05/26/2015  
,Maximum:,0.034  
,Time of Maximum:,12:40:30  
,Date of Maximum:,05/26/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,04/29/2015

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/26/2015,08:10:30,0.020  
05/26/2015,08:25:30,0.020  
05/26/2015,08:40:30,0.020  
05/26/2015,08:55:30,0.020  
05/26/2015,09:10:30,0.021  
05/26/2015,09:25:30,0.021  
05/26/2015,09:40:30,0.023  
05/26/2015,09:55:30,0.023  
05/26/2015,10:10:30,0.027  
05/26/2015,10:25:30,0.027  
05/26/2015,10:40:30,0.025  
05/26/2015,10:55:30,0.025  
05/26/2015,11:10:30,0.024  
05/26/2015,11:25:30,0.024  
05/26/2015,11:40:30,0.026  
05/26/2015,11:55:30,0.027  
05/26/2015,12:10:30,0.033  
05/26/2015,12:25:30,0.033  
05/26/2015,12:40:30,0.034  
05/26/2015,12:55:30,0.027  
05/26/2015,13:10:30,0.029  
05/26/2015,13:25:30,0.027  
05/26/2015,13:40:30,0.028  
05/26/2015,13:55:30,0.027  
05/26/2015,14:10:30,0.027  
05/26/2015,14:25:30,0.026  
05/26/2015,14:40:30,0.027  
05/26/2015,14:55:30,0.024  
05/26/2015,15:10:30,0.024



5-26-15 Downwind-1 VOC

15/05/26 08:00

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-909560  
 Unit Firmware Ver V1.20  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 5/26/2015 08:00:27  
 End 5/26/2015 15:26:08  
 Sample Period(s) 900  
 Number of Records 29  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 1.000  
 High Alarm 5.000  
 Over Alarm 15000.000  
 STEL Alarm 25.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 5/26/2015 07:41  
 Peak N/A  
 Min N/A  
 Average N/A

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	5/26/2015 08:15:27	0.044	0.201
002	5/26/2015 08:30:27	0.057	0.083
003	5/26/2015 08:45:27	0.089	0.113
004	5/26/2015 09:00:27	0.115	0.140
005	5/26/2015 09:15:27	0.137	0.161
006	5/26/2015 09:30:27	0.160	0.184
007	5/26/2015 09:45:27	0.176	0.195
008	5/26/2015 10:00:27	0.183	0.210
009	5/26/2015 10:15:27	0.206	0.245
010	5/26/2015 10:30:27	0.218	0.261
011	5/26/2015 10:45:27	0.211	0.234
012	5/26/2015 11:00:27	0.219	0.234
013	5/26/2015 11:15:27	0.227	0.245
014	5/26/2015 11:30:27	0.236	0.287
015	5/26/2015 11:45:27	0.251	0.273
016	5/26/2015 12:00:27	0.257	0.301
017	5/26/2015 12:15:27	0.274	0.420
018	5/26/2015 12:30:27	0.283	0.439
019	5/26/2015 12:45:27	0.306	0.506
020	5/26/2015 13:00:27	0.283	0.392
021	5/26/2015 13:15:27	0.304	0.457
022	5/26/2015 13:30:27	0.289	0.398
023	5/26/2015 13:45:27	0.281	0.394
024	5/26/2015 14:00:27	0.269	0.370
025	5/26/2015 14:15:27	0.279	0.399

				5-26-15 Downwind-1 VOC	
026	5/26/2015	14:30:27		0.269	0.352
027	5/26/2015	14:45:27		0.267	0.364
028	5/26/2015	15:00:27		0.261	0.313
029	5/26/2015	15:15:27		0.267	0.405
Peak		0.306	0.506		
Min		0.044	0.083		
Average		0.221	0.296		

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,005  
Test Abbreviation:,MANUAL\_005  
Start Date:,05/26/2015  
Start Time:,07:50:44  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.025  
,Minimum:,0.020  
,Time of Minimum:,08:05:44  
,Date of Minimum:,05/26/2015  
,Maximum:,0.032  
,Time of Maximum:,12:35:44  
,Date of Maximum:,05/26/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/26/2015,08:05:44,0.020  
05/26/2015,08:20:44,0.020  
05/26/2015,08:35:44,0.021  
05/26/2015,08:50:44,0.022  
05/26/2015,09:05:44,0.026  
05/26/2015,09:20:44,0.022  
05/26/2015,09:35:44,0.021  
05/26/2015,09:50:44,0.021  
05/26/2015,10:05:44,0.024  
05/26/2015,10:20:44,0.025  
05/26/2015,10:35:44,0.022  
05/26/2015,10:50:44,0.025  
05/26/2015,11:05:44,0.023  
05/26/2015,11:20:44,0.021  
05/26/2015,11:35:44,0.029  
05/26/2015,11:50:44,0.028  
05/26/2015,12:05:44,0.030  
05/26/2015,12:20:44,0.026  
05/26/2015,12:35:44,0.032  
05/26/2015,12:50:44,0.026  
05/26/2015,13:05:44,0.027  
05/26/2015,13:20:44,0.027  
05/26/2015,13:35:44,0.024  
05/26/2015,13:50:44,0.026  
05/26/2015,14:05:44,0.027  
05/26/2015,14:20:44,0.025  
05/26/2015,14:35:44,0.027  
05/26/2015,14:50:44,0.027  
05/26/2015,15:05:44,0.026

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_A  
Start Date:,05/26/2015  
Start Time:,07:50:45  
Duration (dd:hh:mm:ss):,0:00:15:00

5-26-15 Downwind-2 Dust

Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.020  
,Minimum:,0.017  
,Time of Minimum:,07:55:45  
,Date of Minimum:,05/26/2015  
,Maximum:,0.040  
,Time of Maximum:,07:51:45  
,Date of Maximum:,05/26/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/26/2015,07:51:45,0.040  
05/26/2015,07:52:45,0.019  
05/26/2015,07:53:45,0.019  
05/26/2015,07:54:45,0.019  
05/26/2015,07:55:45,0.017  
05/26/2015,07:56:45,0.017  
05/26/2015,07:57:45,0.020  
05/26/2015,07:58:45,0.020  
05/26/2015,07:59:45,0.018  
05/26/2015,08:00:45,0.018  
05/26/2015,08:01:45,0.019  
05/26/2015,08:02:45,0.019  
05/26/2015,08:03:45,0.021  
05/26/2015,08:04:45,0.021  
05/26/2015,08:05:45,0.020

5-26-15 Downwind-2 VOC

15/05/26 08:04

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 5/26/2015 08:04:57  
 End 5/26/2015 15:24:38  
 Sample Period(s) 900  
 Number of Records 29  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 21.738  
 High Alarm 43.476  
 Over Alarm 15000.000  
 STEL Alarm 43.476  
 TWA Alarm 4.725  
 Measurement Gas Isobutylene  
 Calibration Time 5/26/2015 07:47  
 Peak N/A  
 Min N/A  
 Average N/A  
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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	5/26/2015 08:19:57	0.030	0.797
002	5/26/2015 08:34:57	0.000	0.000
003	5/26/2015 08:49:57	0.000	0.000
004	5/26/2015 09:04:57	0.000	0.000
005	5/26/2015 09:19:57	0.000	0.000
006	5/26/2015 09:34:57	0.000	0.000
007	5/26/2015 09:49:57	0.000	0.000
008	5/26/2015 10:04:57	0.000	0.000
009	5/26/2015 10:19:57	0.000	0.000
010	5/26/2015 10:34:57	0.000	0.000
011	5/26/2015 10:49:57	0.000	0.000
012	5/26/2015 11:04:57	0.000	0.000
013	5/26/2015 11:19:57	0.000	0.000
014	5/26/2015 11:34:57	0.000	0.000
015	5/26/2015 11:49:57	0.000	0.000
016	5/26/2015 12:04:57	0.000	0.000
017	5/26/2015 12:19:57	0.000	0.000
018	5/26/2015 12:34:57	0.000	0.000
019	5/26/2015 12:49:57	0.000	0.000
020	5/26/2015 13:04:57	0.000	0.000
021	5/26/2015 13:19:57	0.000	0.000
022	5/26/2015 13:34:57	0.000	0.000
023	5/26/2015 13:49:57	0.000	0.000
024	5/26/2015 14:04:57	0.000	0.000
025	5/26/2015 14:19:57	0.000	0.000

5-26-15 Downwind-2 VOC

026	5/26/2015	14:34:57	0.000	0.000
027	5/26/2015	14:49:57	0.000	0.000
028	5/26/2015	15:04:57	0.000	0.000
029	5/26/2015	15:19:57	0.000	0.000
Peak		0.030	0.797	
Min		0.000	0.000	
Average		0.001	0.027	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,005  
Test Abbreviation:,MANUAL\_005  
Start Date:,05/26/2015  
Start Time:,07:57:32  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.022  
,Minimum:,0.018  
,Time of Minimum:,14:27:32  
,Date of Minimum:,05/26/2015  
,Maximum:,0.025  
,Time of Maximum:,13:12:32  
,Date of Maximum:,05/26/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/26/2015,08:12:32,0.019  
05/26/2015,08:27:32,0.019  
05/26/2015,08:42:32,0.019  
05/26/2015,08:57:32,0.020  
05/26/2015,09:12:32,0.020  
05/26/2015,09:27:32,0.020  
05/26/2015,09:42:32,0.021  
05/26/2015,09:57:32,0.022  
05/26/2015,10:12:32,0.023  
05/26/2015,10:27:32,0.023  
05/26/2015,10:42:32,0.024  
05/26/2015,10:57:32,0.023  
05/26/2015,11:12:32,0.023  
05/26/2015,11:27:32,0.022  
05/26/2015,11:42:32,0.023  
05/26/2015,11:57:32,0.023  
05/26/2015,12:12:32,0.024  
05/26/2015,12:27:32,0.023  
05/26/2015,12:42:32,0.023  
05/26/2015,12:57:32,0.024  
05/26/2015,13:12:32,0.025  
05/26/2015,13:27:32,0.024  
05/26/2015,13:42:32,0.023  
05/26/2015,13:57:32,0.024  
05/26/2015,14:12:32,0.021  
05/26/2015,14:27:32,0.018  
05/26/2015,14:42:32,0.018  
05/26/2015,14:57:32,0.018  
05/26/2015,15:12:32,0.018

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122518  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,05/27/2015  
Start Time:,08:03:54  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.023  
,Minimum:,0.018  
,Time of Minimum:,08:18:54  
,Date of Minimum:,05/27/2015  
,Maximum:,0.031  
,Time of Maximum:,15:33:54  
,Date of Maximum:,05/27/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,04/29/2015

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/27/2015,08:18:54,0.018  
05/27/2015,08:33:54,0.018  
05/27/2015,08:48:54,0.018  
05/27/2015,09:03:54,0.020  
05/27/2015,09:18:54,0.020  
05/27/2015,09:33:54,0.025  
05/27/2015,09:48:54,0.027  
05/27/2015,10:03:54,0.028  
05/27/2015,10:18:54,0.025  
05/27/2015,10:33:54,0.025  
05/27/2015,10:48:54,0.026  
05/27/2015,11:03:54,0.026  
05/27/2015,11:18:54,0.027  
05/27/2015,11:33:54,0.028  
05/27/2015,11:48:54,0.027  
05/27/2015,12:03:54,0.027  
05/27/2015,12:18:54,0.025  
05/27/2015,12:33:54,0.028  
05/27/2015,12:48:54,0.027  
05/27/2015,13:03:54,0.026  
05/27/2015,13:18:54,0.020  
05/27/2015,13:33:54,0.019  
05/27/2015,13:48:54,0.019  
05/27/2015,14:03:54,0.019  
05/27/2015,14:18:54,0.019  
05/27/2015,14:33:54,0.019  
05/27/2015,14:48:54,0.018  
05/27/2015,15:03:54,0.018  
05/27/2015,15:18:54,0.023  
05/27/2015,15:33:54,0.031  
05/27/2015,15:48:54,0.024

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122518  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,05/27/2015



5-27-15 Downwind-1 Dust

Start Time:,12:23:37  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.027  
,Minimum:,0.021  
,Time of Minimum:,12:30:37  
,Date of Minimum:,05/27/2015  
,Maximum:,0.044  
,Time of Maximum:,12:24:37  
,Date of Maximum:,05/27/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,04/29/2015

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/27/2015,12:24:37,0.044  
05/27/2015,12:25:37,0.030  
05/27/2015,12:26:37,0.022  
05/27/2015,12:27:37,0.028  
05/27/2015,12:28:37,0.026  
05/27/2015,12:29:37,0.026  
05/27/2015,12:30:37,0.021  
05/27/2015,12:31:37,0.027  
05/27/2015,12:32:37,0.022  
05/27/2015,12:33:37,0.022  
05/27/2015,12:34:37,0.025  
05/27/2015,12:35:37,0.026  
05/27/2015,12:36:37,0.031  
05/27/2015,12:37:37,0.027  
05/27/2015,12:38:37,0.030

5-27-15 Downwind-1 VOC

15/05/27 08:08

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-909560  
 Unit Firmware Ver V1.20  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 5/27/2015 08:08:53  
 End 5/27/2015 15:54:22  
 Sample Period(s) 900  
 Number of Records 31  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 1.000  
 High Alarm 5.000  
 Over Alarm 15000.000  
 STEL Alarm 25.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 5/27/2015 07:45  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	5/27/2015 08:23:53	0.012	0.170
002	5/27/2015 08:38:53	0.074	0.097
003	5/27/2015 08:53:53	0.086	0.131
004	5/27/2015 09:08:53	0.091	0.111
005	5/27/2015 09:23:53	0.108	0.130
006	5/27/2015 09:38:53	0.131	0.185
007	5/27/2015 09:53:53	0.146	0.210
008	5/27/2015 10:08:53	0.167	0.334
009	5/27/2015 10:23:53	0.168	0.230
010	5/27/2015 10:38:53	0.179	0.216
011	5/27/2015 10:53:53	0.195	0.305
012	5/27/2015 11:08:53	0.195	0.239
013	5/27/2015 11:23:53	0.201	0.247
014	5/27/2015 11:38:53	0.210	0.273
015	5/27/2015 11:53:53	0.221	0.283
016	5/27/2015 12:08:53	0.223	0.277
017	5/27/2015 12:23:53	0.220	0.330
018	5/27/2015 12:38:53	0.247	0.314
019	5/27/2015 12:53:53	0.282	0.488
020	5/27/2015 13:08:53	0.307	0.455
021	5/27/2015 13:23:53	0.279	0.359
022	5/27/2015 13:38:53	0.268	0.436
023	5/27/2015 13:53:53	0.255	0.379
024	5/27/2015 14:08:53	0.263	0.393
025	5/27/2015 14:23:53	0.265	0.448

			5-27-15 Downwind-1 VOC	
026	5/27/2015	14:38:53	0.259	0.335
027	5/27/2015	14:53:53	0.254	0.329
028	5/27/2015	15:08:53	0.280	0.414
029	5/27/2015	15:23:53	0.301	0.483
030	5/27/2015	15:38:53	0.325	0.651
031	5/27/2015	15:53:53	0.282	0.516
Peak		0.325	0.651	
Min		0.012	0.097	
Average		0.209	0.315	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,05/27/2015  
Start Time:,07:58:21  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.021  
,Minimum:,0.013  
,Time of Minimum:,13:28:21  
,Date of Minimum:,05/27/2015  
,Maximum:,0.028  
,Time of Maximum:,09:58:21  
,Date of Maximum:,05/27/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/27/2015,08:13:21,0.022  
05/27/2015,08:28:21,0.020  
05/27/2015,08:43:21,0.018  
05/27/2015,08:58:21,0.019  
05/27/2015,09:13:21,0.022  
05/27/2015,09:28:21,0.022  
05/27/2015,09:43:21,0.026  
05/27/2015,09:58:21,0.028  
05/27/2015,10:13:21,0.026  
05/27/2015,10:28:21,0.027  
05/27/2015,10:43:21,0.023  
05/27/2015,10:58:21,0.027  
05/27/2015,11:13:21,0.028  
05/27/2015,11:28:21,0.028  
05/27/2015,11:43:21,0.027  
05/27/2015,11:58:21,0.026  
05/27/2015,12:13:21,0.020  
05/27/2015,12:28:21,0.023  
05/27/2015,12:43:21,0.022  
05/27/2015,12:58:21,0.022  
05/27/2015,13:13:21,0.017  
05/27/2015,13:28:21,0.013  
05/27/2015,13:43:21,0.015  
05/27/2015,13:58:21,0.015  
05/27/2015,14:13:21,0.014  
05/27/2015,14:28:21,0.016  
05/27/2015,14:43:21,0.022  
05/27/2015,14:58:21,0.014  
05/27/2015,15:13:21,0.017  
05/27/2015,15:28:21,0.026  
05/27/2015,15:43:21,0.018

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,05/27/2015

5-27-15 Downwind-2 Dust

Start Time:,07:58:22  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.022  
,Minimum:,0.017  
,Time of Minimum:,08:02:22  
,Date of Minimum:,05/27/2015  
,Maximum:,0.059  
,Time of Maximum:,07:59:22  
,Date of Maximum:,05/27/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/27/2015,07:59:22,0.059  
05/27/2015,08:00:22,0.022  
05/27/2015,08:01:22,0.019  
05/27/2015,08:02:22,0.017  
05/27/2015,08:03:22,0.020  
05/27/2015,08:04:22,0.019  
05/27/2015,08:05:22,0.019  
05/27/2015,08:06:22,0.018  
05/27/2015,08:07:22,0.018  
05/27/2015,08:08:22,0.020  
05/27/2015,08:09:22,0.021  
05/27/2015,08:10:22,0.023  
05/27/2015,08:11:22,0.017  
05/27/2015,08:12:22,0.018  
05/27/2015,08:13:22,0.019

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_B  
Start Date:,05/27/2015  
Start Time:,13:44:03  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.015  
,Minimum:,0.008  
,Time of Minimum:,13:52:03  
,Date of Minimum:,05/27/2015  
,Maximum:,0.027  
,Time of Maximum:,13:45:03  
,Date of Maximum:,05/27/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/27/2015,13:45:03,0.027  
05/27/2015,13:46:03,0.013  
05/27/2015,13:47:03,0.017

5-27-15 Downwind-2 Dust

05/27/2015,13:48:03,0.015  
05/27/2015,13:49:03,0.020  
05/27/2015,13:50:03,0.011  
05/27/2015,13:51:03,0.011  
05/27/2015,13:52:03,0.008  
05/27/2015,13:53:03,0.009  
05/27/2015,13:54:03,0.011  
05/27/2015,13:55:03,0.025  
05/27/2015,13:56:03,0.013  
05/27/2015,13:57:03,0.012  
05/27/2015,13:58:03,0.012  
05/27/2015,13:59:03,0.015

5-27-15 Downwind-2 VOC

15/05/27 08:12

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 5/27/2015 08:12:49  
 End 5/27/2015 16:05:35  
 Sample Period(s) 900  
 Number of Records 31  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 21.738  
 High Alarm 43.476  
 Over Alarm 15000.000  
 STEL Alarm 43.476  
 TWA Alarm 4.725  
 Measurement Gas Isobutylene  
 Calibration Time 5/27/2015 07:53  
 Peak N/A  
 Min N/A  
 Average N/A

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	5/27/2015 08:27:49	0.019	0.532
002	5/27/2015 08:42:49	0.000	0.000
003	5/27/2015 08:57:49	0.000	0.000
004	5/27/2015 09:12:49	0.000	0.000
005	5/27/2015 09:27:49	0.000	0.000
006	5/27/2015 09:42:49	0.000	0.000
007	5/27/2015 09:57:49	0.000	0.000
008	5/27/2015 10:12:49	0.000	0.000
009	5/27/2015 10:27:49	0.000	0.000
010	5/27/2015 10:42:49	0.000	0.000
011	5/27/2015 10:57:49	0.000	0.000
012	5/27/2015 11:12:49	0.000	0.000
013	5/27/2015 11:27:49	0.000	0.000
014	5/27/2015 11:42:49	0.000	0.000
015	5/27/2015 11:57:49	0.000	0.000
016	5/27/2015 12:12:49	0.000	0.000
017	5/27/2015 12:27:49	0.000	0.000
018	5/27/2015 12:42:49	0.000	0.000
019	5/27/2015 12:57:49	0.000	0.000
020	5/27/2015 13:12:49	0.000	0.015
021	5/27/2015 13:27:49	0.000	0.000
022	5/27/2015 13:42:49	0.000	0.000
023	5/27/2015 13:57:49	0.000	0.000
024	5/27/2015 14:12:49	0.000	0.000
025	5/27/2015 14:27:49	0.000	0.000

5-27-15 Downwind-2 VOC					
026	5/27/2015	14:42:49	0.000	0.000	
027	5/27/2015	14:57:49	0.000	0.000	
028	5/27/2015	15:12:49	0.000	0.000	
029	5/27/2015	15:27:49	0.000	0.000	
030	5/27/2015	15:42:49	0.004	0.064	
031	5/27/2015	15:57:49	0.000	0.000	
Peak		0.019	0.532		
Min		0.000	0.000		
Average		0.001	0.020		



TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,05/27/2015  
Start Time:,08:06:15  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.012  
,Minimum:,0.006  
,Time of Minimum:,14:06:15  
,Date of Minimum:,05/27/2015  
,Maximum:,0.018  
,Time of Maximum:,11:36:15  
,Date of Maximum:,05/27/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/27/2015,08:21:15,0.016  
05/27/2015,08:36:15,0.015  
05/27/2015,08:51:15,0.015  
05/27/2015,09:06:15,0.014  
05/27/2015,09:21:15,0.014  
05/27/2015,09:36:15,0.015  
05/27/2015,09:51:15,0.015  
05/27/2015,10:06:15,0.016  
05/27/2015,10:21:15,0.016  
05/27/2015,10:36:15,0.015  
05/27/2015,10:51:15,0.017  
05/27/2015,11:06:15,0.017  
05/27/2015,11:21:15,0.017  
05/27/2015,11:36:15,0.018  
05/27/2015,11:51:15,0.017  
05/27/2015,12:06:15,0.015  
05/27/2015,12:21:15,0.013  
05/27/2015,12:36:15,0.011  
05/27/2015,12:51:15,0.009  
05/27/2015,13:06:15,0.008  
05/27/2015,13:21:15,0.008  
05/27/2015,13:36:15,0.007  
05/27/2015,13:51:15,0.007  
05/27/2015,14:06:15,0.006  
05/27/2015,14:21:15,0.006  
05/27/2015,14:36:15,0.011  
05/27/2015,14:51:15,0.006  
05/27/2015,15:06:15,0.006  
05/27/2015,15:21:15,0.008  
05/27/2015,15:36:15,0.009  
05/27/2015,15:51:15,0.009

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,05/27/2015

5-27-15 Upwind Dust

Start Time:,10:47:56  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.017  
,Minimum:,0.016  
,Time of Minimum:,10:49:56  
,Date of Minimum:,05/27/2015  
,Maximum:,0.027  
,Time of Maximum:,10:48:56  
,Date of Maximum:,05/27/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/27/2015,10:48:56,0.027  
05/27/2015,10:49:56,0.016  
05/27/2015,10:50:56,0.016  
05/27/2015,10:51:56,0.016  
05/27/2015,10:52:56,0.017  
05/27/2015,10:53:56,0.017  
05/27/2015,10:54:56,0.016  
05/27/2015,10:55:56,0.016  
05/27/2015,10:56:56,0.017  
05/27/2015,10:57:56,0.016  
05/27/2015,10:58:56,0.016  
05/27/2015,10:59:56,0.017  
05/27/2015,11:00:56,0.016  
05/27/2015,11:01:56,0.017  
05/27/2015,11:02:56,0.017

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_B  
Start Date:,05/27/2015  
Start Time:,14:25:17  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.012  
,Minimum:,0.008  
,Time of Minimum:,14:39:17  
,Date of Minimum:,05/27/2015  
,Maximum:,0.020  
,Time of Maximum:,14:26:17  
,Date of Maximum:,05/27/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/27/2015,14:26:17,0.020  
05/27/2015,14:27:17,0.009  
05/27/2015,14:28:17,0.011

5-27-15 Upwind Dust

05/27/2015,14:29:17,0.011  
05/27/2015,14:30:17,0.010  
05/27/2015,14:31:17,0.011  
05/27/2015,14:32:17,0.012  
05/27/2015,14:33:17,0.017  
05/27/2015,14:34:17,0.012  
05/27/2015,14:35:17,0.012  
05/27/2015,14:36:17,0.011  
05/27/2015,14:37:17,0.012  
05/27/2015,14:38:17,0.010  
05/27/2015,14:39:17,0.008  
05/27/2015,14:40:17,0.009

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122518  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,05/28/2015  
Start Time:,08:01:06  
Duration (dd:hh:mm:ss):,0:06:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,27  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.025  
,Minimum:,0.014  
,Time of Minimum:,09:16:06  
,Date of Minimum:,05/28/2015  
,Maximum:,0.038  
,Time of Maximum:,14:31:06  
,Date of Maximum:,05/28/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,04/29/2015

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/28/2015,08:16:06,0.019  
05/28/2015,08:31:06,0.020  
05/28/2015,08:46:06,0.018  
05/28/2015,09:01:06,0.017  
05/28/2015,09:16:06,0.014  
05/28/2015,09:31:06,0.022  
05/28/2015,09:46:06,0.019  
05/28/2015,10:01:06,0.030  
05/28/2015,10:16:06,0.033  
05/28/2015,10:31:06,0.035  
05/28/2015,10:46:06,0.023  
05/28/2015,11:01:06,0.029  
05/28/2015,11:16:06,0.020  
05/28/2015,11:31:06,0.022  
05/28/2015,11:46:06,0.020  
05/28/2015,12:01:06,0.022  
05/28/2015,12:16:06,0.021  
05/28/2015,12:31:06,0.021  
05/28/2015,12:46:06,0.027  
05/28/2015,13:01:06,0.031  
05/28/2015,13:16:06,0.021  
05/28/2015,13:31:06,0.024  
05/28/2015,13:46:06,0.027  
05/28/2015,14:01:06,0.030  
05/28/2015,14:16:06,0.031  
05/28/2015,14:31:06,0.038  
05/28/2015,14:46:06,0.032

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122518  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_A  
Start Date:,05/28/2015  
Start Time:,10:16:18  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15

5-28-15 Downwind-1 Dust

Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.034  
,Minimum: ,0.025  
,Time of Minimum: ,10:26:18  
,Date of Minimum: ,05/28/2015  
,Maximum: ,0.069  
,Time of Maximum: ,10:17:18  
,Date of Maximum: ,05/28/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,04/29/2015

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
05/28/2015,10:17:18,0.069  
05/28/2015,10:18:18,0.033  
05/28/2015,10:19:18,0.031  
05/28/2015,10:20:18,0.033  
05/28/2015,10:21:18,0.036  
05/28/2015,10:22:18,0.028  
05/28/2015,10:23:18,0.029  
05/28/2015,10:24:18,0.038  
05/28/2015,10:25:18,0.029  
05/28/2015,10:26:18,0.025  
05/28/2015,10:27:18,0.042  
05/28/2015,10:28:18,0.027  
05/28/2015,10:29:18,0.025  
05/28/2015,10:30:18,0.028  
05/28/2015,10:31:18,0.043

5-28-15 Downwind-1 VOC

15/05/28 08:06

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-909560  
 Unit Firmware Ver V1.20  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 5/28/2015 08:06:30  
 End 5/28/2015 15:02:13  
 Sample Period(s) 900  
 Number of Records 27  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 1.000  
 High Alarm 5.000  
 Over Alarm 15000.000  
 STEL Alarm 25.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 5/28/2015 07:39  
 Peak N/A  
 Min N/A  
 Average N/A

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	5/28/2015 08:21:30	0.032	0.115
002	5/28/2015 08:36:30	0.047	0.080
003	5/28/2015 08:51:30	0.064	0.102
004	5/28/2015 09:06:30	0.086	0.204
005	5/28/2015 09:21:30	0.099	0.133
006	5/28/2015 09:36:30	0.155	0.240
007	5/28/2015 09:51:30	0.158	0.218
008	5/28/2015 10:06:30	0.211	0.435
009	5/28/2015 10:21:30	0.262	0.863
010	5/28/2015 10:36:30	0.287	0.881
011	5/28/2015 10:51:30	0.217	0.378
012	5/28/2015 11:06:30	0.243	0.476
013	5/28/2015 11:21:30	0.196	0.313
014	5/28/2015 11:36:30	0.228	0.494
015	5/28/2015 11:51:30	0.222	0.342
016	5/28/2015 12:06:30	0.240	0.374
017	5/28/2015 12:21:30	0.229	0.451
018	5/28/2015 12:36:30	0.243	0.318
019	5/28/2015 12:51:30	0.293	0.631
020	5/28/2015 13:06:30	0.336	0.490
021	5/28/2015 13:21:30	0.240	0.377
022	5/28/2015 13:36:30	0.214	0.297
023	5/28/2015 13:51:30	0.227	0.433
024	5/28/2015 14:06:30	0.228	0.381
025	5/28/2015 14:21:30	0.218	0.367

			5-28-15 Downwind-1 VOC	
026	5/28/2015	14:36:30	0.280	0.605
027	5/28/2015	14:51:30	0.243	0.447
Peak		0.336	0.881	
Min		0.032	0.080	
Average		0.204	0.387	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530122515  
Test ID: ,002  
Test Abbreviation: ,MANUAL\_002  
Start Date: ,05/28/2015  
Start Time: ,07:55:48  
Duration (dd:hh:mm:ss): ,0:07:00:00  
Log Interval (mm:ss): ,15:00  
Number of points: ,28  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.023  
,Minimum: ,0.018  
,Time of Minimum: ,08:25:48  
,Date of Minimum: ,05/28/2015  
,Maximum: ,0.033  
,Time of Maximum: ,14:40:48  
,Date of Maximum: ,05/28/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/28/2015,08:10:48,0.020  
05/28/2015,08:25:48,0.018  
05/28/2015,08:40:48,0.019  
05/28/2015,08:55:48,0.018  
05/28/2015,09:10:48,0.022  
05/28/2015,09:25:48,0.020  
05/28/2015,09:40:48,0.019  
05/28/2015,09:55:48,0.023  
05/28/2015,10:10:48,0.021  
05/28/2015,10:25:48,0.028  
05/28/2015,10:40:48,0.023  
05/28/2015,10:55:48,0.023  
05/28/2015,11:10:48,0.023  
05/28/2015,11:25:48,0.020  
05/28/2015,11:40:48,0.020  
05/28/2015,11:55:48,0.021  
05/28/2015,12:10:48,0.022  
05/28/2015,12:25:48,0.023  
05/28/2015,12:40:48,0.029  
05/28/2015,12:55:48,0.027  
05/28/2015,13:10:48,0.023  
05/28/2015,13:25:48,0.024  
05/28/2015,13:40:48,0.025  
05/28/2015,13:55:48,0.023  
05/28/2015,14:10:48,0.027  
05/28/2015,14:25:48,0.030  
05/28/2015,14:40:48,0.033  
05/28/2015,14:55:48,0.029

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530122515  
Test ID: ,002  
Test Abbreviation: ,MANUAL\_002\_A  
Start Date: ,05/28/2015  
Start Time: ,07:55:49  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00



Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.020  
,Minimum:,0.015  
,Time of Minimum:,07:57:49  
,Date of Minimum:,05/28/2015  
,Maximum:,0.068  
,Time of Maximum:,07:56:49  
,Date of Maximum:,05/28/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
05/28/2015,07:56:49,0.068  
05/28/2015,07:57:49,0.015  
05/28/2015,07:58:49,0.015  
05/28/2015,07:59:49,0.021  
05/28/2015,08:00:49,0.017  
05/28/2015,08:01:49,0.020  
05/28/2015,08:02:49,0.019  
05/28/2015,08:03:49,0.017  
05/28/2015,08:04:49,0.019  
05/28/2015,08:05:49,0.015  
05/28/2015,08:06:49,0.016  
05/28/2015,08:07:49,0.018  
05/28/2015,08:08:49,0.015  
05/28/2015,08:09:49,0.016  
05/28/2015,08:10:49,0.016

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_B  
Start Date:,05/28/2015  
Start Time:,13:04:55  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.023  
,Minimum:,0.019  
,Time of Minimum:,13:15:55  
,Date of Minimum:,05/28/2015  
,Maximum:,0.032  
,Time of Maximum:,13:05:55  
,Date of Maximum:,05/28/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
05/28/2015,13:05:55,0.032  
05/28/2015,13:06:55,0.023  
05/28/2015,13:07:55,0.024  
05/28/2015,13:08:55,0.028  
05/28/2015,13:09:55,0.021  
05/28/2015,13:10:55,0.020

5-28-15 Downwind-2 Dust

05/28/2015,13:11:55,0.021  
05/28/2015,13:12:55,0.020  
05/28/2015,13:13:55,0.020  
05/28/2015,13:14:55,0.020  
05/28/2015,13:15:55,0.019  
05/28/2015,13:16:55,0.024  
05/28/2015,13:17:55,0.027  
05/28/2015,13:18:55,0.020  
05/28/2015,13:19:55,0.022

5-28-15 Downwind-2 VOC

15/05/28 08:10

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 5/28/2015 08:10:19  
 End 5/28/2015 15:10:53  
 Sample Period(s) 900  
 Number of Records 28  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 21.738  
 High Alarm 43.476  
 Over Alarm 15000.000  
 STEL Alarm 43.476  
 TWA Alarm 4.725  
 Measurement Gas Isobutylene  
 Calibration Time 5/28/2015 07:47  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	5/28/2015 08:25:19	0.031	0.592
002	5/28/2015 08:40:19	0.001	0.016
003	5/28/2015 08:55:19	0.000	0.006
004	5/28/2015 09:10:19	0.000	0.010
005	5/28/2015 09:25:19	0.010	0.036
006	5/28/2015 09:40:19	0.005	0.038
007	5/28/2015 09:55:19	0.003	0.017
008	5/28/2015 10:10:19	0.001	0.014
009	5/28/2015 10:25:19	0.000	0.011
010	5/28/2015 10:40:19	0.006	0.022
011	5/28/2015 10:55:19	0.001	0.015
012	5/28/2015 11:10:19	0.004	0.024
013	5/28/2015 11:25:19	0.000	0.012
014	5/28/2015 11:40:19	0.000	0.000
015	5/28/2015 11:55:19	0.000	0.000
016	5/28/2015 12:10:19	0.000	0.000
017	5/28/2015 12:25:19	0.000	0.000
018	5/28/2015 12:40:19	0.000	0.000
019	5/28/2015 12:55:19	0.001	0.013
020	5/28/2015 13:10:19	0.000	0.004
021	5/28/2015 13:25:19	0.000	0.000
022	5/28/2015 13:40:19	0.006	0.040
023	5/28/2015 13:55:19	0.007	0.029
024	5/28/2015 14:10:19	0.007	0.036
025	5/28/2015 14:25:19	0.044	0.084

5-28-15 Downwind-2 VOC

026	5/28/2015	14:40:19	0.048	0.063
027	5/28/2015	14:55:19	0.034	0.073
028	5/28/2015	15:10:19	0.000	0.008
Peak		0.048	0.592	
Min		0.000	0.000	
Average		0.007	0.042	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,05/28/2015  
Start Time:,08:05:59  
Duration (dd:hh:mm:ss):,0:06:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,27  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.019  
,Minimum:,0.011  
,Time of Minimum:,09:50:59  
,Date of Minimum:,05/28/2015  
,Maximum:,0.030  
,Time of Maximum:,14:20:59  
,Date of Maximum:,05/28/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/28/2015,08:20:59,0.016  
05/28/2015,08:35:59,0.015  
05/28/2015,08:50:59,0.015  
05/28/2015,09:05:59,0.014  
05/28/2015,09:20:59,0.012  
05/28/2015,09:35:59,0.012  
05/28/2015,09:50:59,0.011  
05/28/2015,10:05:59,0.012  
05/28/2015,10:20:59,0.013  
05/28/2015,10:35:59,0.014  
05/28/2015,10:50:59,0.015  
05/28/2015,11:05:59,0.016  
05/28/2015,11:20:59,0.017  
05/28/2015,11:35:59,0.018  
05/28/2015,11:50:59,0.018  
05/28/2015,12:05:59,0.019  
05/28/2015,12:20:59,0.020  
05/28/2015,12:35:59,0.021  
05/28/2015,12:50:59,0.022  
05/28/2015,13:05:59,0.022  
05/28/2015,13:20:59,0.023  
05/28/2015,13:35:59,0.024  
05/28/2015,13:50:59,0.024  
05/28/2015,14:05:59,0.026  
05/28/2015,14:20:59,0.030  
05/28/2015,14:35:59,0.030  
05/28/2015,14:50:59,0.029

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122518  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,05/29/2015  
Start Time:,07:10:49  
Duration (dd:hh:mm:ss):,0:08:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,33  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.040  
,Minimum:,0.030  
,Time of Minimum:,13:55:49  
,Date of Minimum:,05/29/2015  
,Maximum:,0.090  
,Time of Maximum:,08:10:49  
,Date of Maximum:,05/29/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,04/29/2015

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/29/2015,07:25:49,0.042  
05/29/2015,07:40:49,0.047  
05/29/2015,07:55:49,0.071  
05/29/2015,08:10:49,0.090  
05/29/2015,08:25:49,0.054  
05/29/2015,08:40:49,0.034  
05/29/2015,08:55:49,0.038  
05/29/2015,09:10:49,0.034  
05/29/2015,09:25:49,0.036  
05/29/2015,09:40:49,0.041  
05/29/2015,09:55:49,0.042  
05/29/2015,10:10:49,0.038  
05/29/2015,10:25:49,0.040  
05/29/2015,10:40:49,0.042  
05/29/2015,10:55:49,0.040  
05/29/2015,11:10:49,0.040  
05/29/2015,11:25:49,0.042  
05/29/2015,11:40:49,0.040  
05/29/2015,11:55:49,0.038  
05/29/2015,12:10:49,0.041  
05/29/2015,12:25:49,0.038  
05/29/2015,12:40:49,0.037  
05/29/2015,12:55:49,0.034  
05/29/2015,13:10:49,0.034  
05/29/2015,13:25:49,0.031  
05/29/2015,13:40:49,0.032  
05/29/2015,13:55:49,0.030  
05/29/2015,14:10:49,0.030  
05/29/2015,14:25:49,0.031  
05/29/2015,14:40:49,0.030  
05/29/2015,14:55:49,0.030  
05/29/2015,15:10:49,0.030  
05/29/2015,15:25:49,0.031

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122518  
Test ID:,003

5-29-15 Downwind-1 Dust

Test Abbreviation:,MANUAL\_003\_A  
Start Date:,05/29/2015  
Start Time:,07:57:36  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,,AEROSOL  
,Units:,mg/m^3  
,Average:,0.085  
,Minimum:,0.043  
,Time of Minimum:,,08:12:36  
,Date of Minimum:,,05/29/2015  
,Maximum:,0.151  
,Time of Maximum:,,08:07:36  
,Date of Maximum:,,05/29/2015

Calibration,Sensor:,,AEROSOL  
,Cal. date,04/29/2015

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m^3  
05/29/2015,07:58:36,0.078  
05/29/2015,07:59:36,0.078  
05/29/2015,08:00:36,0.084  
05/29/2015,08:01:36,0.102  
05/29/2015,08:02:36,0.096  
05/29/2015,08:03:36,0.071  
05/29/2015,08:04:36,0.074  
05/29/2015,08:05:36,0.093  
05/29/2015,08:06:36,0.132  
05/29/2015,08:07:36,0.151  
05/29/2015,08:08:36,0.117  
05/29/2015,08:09:36,0.044  
05/29/2015,08:10:36,0.068  
05/29/2015,08:11:36,0.044  
05/29/2015,08:12:36,0.043

5-29-15 Downwind-1 VOC.prs

15/05/29 07:14

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-909560  
 Unit Firmware Ver V1.20  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 5/29/2015 07:14:52  
 End 5/29/2015 15:37:48  
 Sample Period(s) 900  
 Number of Records 33  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 1.000  
 High Alarm 5.000  
 Over Alarm 15000.000  
 STEL Alarm 25.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 5/29/2015 06:43  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	5/29/2015 07:29:52	0.056	0.225
002	5/29/2015 07:44:52	0.075	0.234
003	5/29/2015 07:59:52	0.268	0.454
004	5/29/2015 08:14:52	0.513	1.154
005	5/29/2015 08:29:52	0.321	0.697
006	5/29/2015 08:44:52	0.132	0.189
007	5/29/2015 08:59:52	0.174	0.484
008	5/29/2015 09:14:52	0.142	0.180
009	5/29/2015 09:29:52	0.159	0.383
010	5/29/2015 09:44:52	0.184	0.367
011	5/29/2015 09:59:52	0.220	0.693
012	5/29/2015 10:14:52	0.167	0.282
013	5/29/2015 10:29:52	0.183	0.246
014	5/29/2015 10:44:52	0.199	0.478
015	5/29/2015 10:59:52	0.193	0.238
016	5/29/2015 11:14:52	0.189	0.202
017	5/29/2015 11:29:52	0.200	0.245
018	5/29/2015 11:44:52	0.212	0.275
019	5/29/2015 11:59:52	0.216	0.287
020	5/29/2015 12:14:52	0.249	0.367
021	5/29/2015 12:29:52	0.239	0.306
022	5/29/2015 12:44:52	0.275	0.324
023	5/29/2015 12:59:52	0.293	0.338
024	5/29/2015 13:14:52	0.339	0.379
025	5/29/2015 13:29:52	0.310	0.339



5-29-15 Downwind-1 VOC.prs

026	5/29/2015	13:44:52	0.291	0.322
027	5/29/2015	13:59:52	0.277	0.299
028	5/29/2015	14:14:52	0.253	0.291
029	5/29/2015	14:29:52	0.216	0.262
030	5/29/2015	14:44:52	0.188	0.212
031	5/29/2015	14:59:52	0.178	0.193
032	5/29/2015	15:14:52	0.165	0.207
033	5/29/2015	15:29:52	0.144	0.178
Peak		0.513	1.154	
Min		0.056	0.178	
Average		0.219	0.343	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,05/29/2015  
Start Time:,07:16:32  
Duration (dd:hh:mm:ss):,0:08:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,33  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.034  
,Minimum:,0.027  
,Time of Minimum:,14:31:32  
,Date of Minimum:,05/29/2015  
,Maximum:,0.043  
,Time of Maximum:,07:31:32  
,Date of Maximum:,05/29/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/29/2015,07:31:32,0.043  
05/29/2015,07:46:32,0.040  
05/29/2015,08:01:32,0.038  
05/29/2015,08:16:32,0.036  
05/29/2015,08:31:32,0.034  
05/29/2015,08:46:32,0.034  
05/29/2015,09:01:32,0.034  
05/29/2015,09:16:32,0.034  
05/29/2015,09:31:32,0.034  
05/29/2015,09:46:32,0.035  
05/29/2015,10:01:32,0.035  
05/29/2015,10:16:32,0.036  
05/29/2015,10:31:32,0.036  
05/29/2015,10:46:32,0.037  
05/29/2015,11:01:32,0.036  
05/29/2015,11:16:32,0.037  
05/29/2015,11:31:32,0.038  
05/29/2015,11:46:32,0.035  
05/29/2015,12:01:32,0.034  
05/29/2015,12:16:32,0.034  
05/29/2015,12:31:32,0.036  
05/29/2015,12:46:32,0.036  
05/29/2015,13:01:32,0.034  
05/29/2015,13:16:32,0.033  
05/29/2015,13:31:32,0.032  
05/29/2015,13:46:32,0.035  
05/29/2015,14:01:32,0.032  
05/29/2015,14:16:32,0.030  
05/29/2015,14:31:32,0.027  
05/29/2015,14:46:32,0.027  
05/29/2015,15:01:32,0.028  
05/29/2015,15:16:32,0.027  
05/29/2015,15:31:32,0.030

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003

5-29-15 Downwind-2 Dust

Test Abbreviation:,MANUAL\_003\_A  
Start Date:,05/29/2015  
Start Time:,07:16:33  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,,AEROSOL  
,Units:,mg/m^3  
,Average:,0.043  
,Minimum:,0.040  
,Time of Minimum:,07:21:33  
,Date of Minimum:,05/29/2015  
,Maximum:,0.080  
,Time of Maximum:,07:17:33  
,Date of Maximum:,05/29/2015

Calibration,Sensor:,,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m^3  
05/29/2015,07:17:33,0.080  
05/29/2015,07:18:33,0.041  
05/29/2015,07:19:33,0.042  
05/29/2015,07:20:33,0.041  
05/29/2015,07:21:33,0.040  
05/29/2015,07:22:33,0.041  
05/29/2015,07:23:33,0.041  
05/29/2015,07:24:33,0.040  
05/29/2015,07:25:33,0.041  
05/29/2015,07:26:33,0.041  
05/29/2015,07:27:33,0.041  
05/29/2015,07:28:33,0.040  
05/29/2015,07:29:33,0.040  
05/29/2015,07:30:33,0.041  
05/29/2015,07:31:33,0.040

5-29-15 Downwind-2 VOC.prs

15/05/29 08:44

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 5/29/2015 08:44:27  
 End 5/29/2015 15:47:57  
 Sample Period(s) 900  
 Number of Records 28  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 21.738  
 High Alarm 43.476  
 Over Alarm 15000.000  
 STEL Alarm 43.476  
 TWA Alarm 4.725  
 Measurement Gas Isobutylene  
 Calibration Time 5/29/2015 06:48  
 Peak N/A  
 Min N/A  
 Average N/A

\*\*\*\*\*

Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	5/29/2015 08:59:27	0.023	0.106
002	5/29/2015 09:14:27	0.006	0.013
003	5/29/2015 09:29:27	0.005	0.010
004	5/29/2015 09:44:27	0.001	0.009
005	5/29/2015 09:59:27	0.000	0.000
006	5/29/2015 10:14:27	0.000	0.002
007	5/29/2015 10:29:27	0.000	0.000
008	5/29/2015 10:44:27	0.000	0.000
009	5/29/2015 10:59:27	0.000	0.000
010	5/29/2015 11:14:27	0.000	0.000
011	5/29/2015 11:29:27	0.000	0.000
012	5/29/2015 11:44:27	0.003	0.020
013	5/29/2015 11:59:27	0.009	0.019
014	5/29/2015 12:14:27	0.001	0.008
015	5/29/2015 12:29:27	0.005	0.015
016	5/29/2015 12:44:27	0.018	0.029
017	5/29/2015 12:59:27	0.020	0.027
018	5/29/2015 13:14:27	0.019	0.028
019	5/29/2015 13:29:27	0.015	0.027
020	5/29/2015 13:44:27	0.002	0.008
021	5/29/2015 13:59:27	0.000	0.001
022	5/29/2015 14:14:27	0.000	0.000
023	5/29/2015 14:29:27	0.000	0.000
024	5/29/2015 14:44:27	0.000	0.003
025	5/29/2015 14:59:27	0.000	0.003

5-29-15 Downwind-2 VOC.prs

026	5/29/2015	15:14:27	0.000	0.000
027	5/29/2015	15:29:27	0.000	0.000
028	5/29/2015	15:44:27	0.000	0.000
Peak		0.023	0.106	
Min		0.000	0.000	
Average		0.005	0.012	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530143315  
Test ID: ,003  
Test Abbreviation: ,MANUAL\_003  
Start Date: ,05/29/2015  
Start Time: ,07:19:44  
Duration (dd:hh:mm:ss): ,0:08:15:00  
Log Interval (mm:ss): ,15:00  
Number of points: ,33  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.037  
,Minimum: ,0.030  
,Time of Minimum: ,15:04:44  
,Date of Minimum: ,05/29/2015  
,Maximum: ,0.048  
,Time of Maximum: ,07:34:44  
,Date of Maximum: ,05/29/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/29/2015,07:34:44,0.048  
05/29/2015,07:49:44,0.044  
05/29/2015,08:04:44,0.042  
05/29/2015,08:19:44,0.039  
05/29/2015,08:34:44,0.038  
05/29/2015,08:49:44,0.038  
05/29/2015,09:04:44,0.038  
05/29/2015,09:19:44,0.038  
05/29/2015,09:34:44,0.039  
05/29/2015,09:49:44,0.039  
05/29/2015,10:04:44,0.040  
05/29/2015,10:19:44,0.041  
05/29/2015,10:34:44,0.041  
05/29/2015,10:49:44,0.041  
05/29/2015,11:04:44,0.041  
05/29/2015,11:19:44,0.041  
05/29/2015,11:34:44,0.041  
05/29/2015,11:49:44,0.038  
05/29/2015,12:04:44,0.037  
05/29/2015,12:19:44,0.038  
05/29/2015,12:34:44,0.036  
05/29/2015,12:49:44,0.034  
05/29/2015,13:04:44,0.034  
05/29/2015,13:19:44,0.036  
05/29/2015,13:34:44,0.036  
05/29/2015,13:49:44,0.033  
05/29/2015,14:04:44,0.032  
05/29/2015,14:19:44,0.031  
05/29/2015,14:34:44,0.031  
05/29/2015,14:49:44,0.031  
05/29/2015,15:04:44,0.030  
05/29/2015,15:19:44,0.030  
05/29/2015,15:34:44,0.031

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530143315  
Test ID: ,003

5-29-15 Upwind Dust

Test Abbreviation:,MANUAL\_003\_A  
Start Date:,05/29/2015  
Start Time:,07:19:45  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.048  
,Minimum:,0.044  
,Time of Minimum:,07:31:45  
,Date of Minimum:,05/29/2015  
,Maximum:,0.066  
,Time of Maximum:,07:20:45  
,Date of Maximum:,05/29/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/29/2015,07:20:45,0.066  
05/29/2015,07:21:45,0.050  
05/29/2015,07:22:45,0.050  
05/29/2015,07:23:45,0.050  
05/29/2015,07:24:45,0.050  
05/29/2015,07:25:45,0.050  
05/29/2015,07:26:45,0.049  
05/29/2015,07:27:45,0.047  
05/29/2015,07:28:45,0.045  
05/29/2015,07:29:45,0.045  
05/29/2015,07:30:45,0.045  
05/29/2015,07:31:45,0.044  
05/29/2015,07:32:45,0.045  
05/29/2015,07:33:45,0.045  
05/29/2015,07:34:45,0.045

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_B  
Start Date:,05/29/2015  
Start Time:,13:15:42  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.038  
,Minimum:,0.034  
,Time of Minimum:,13:19:42  
,Date of Minimum:,05/29/2015  
,Maximum:,0.061  
,Time of Maximum:,13:16:42  
,Date of Maximum:,05/29/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/29/2015,13:16:42,0.061

5-29-15 Upwind Dust

05/29/2015,13:17:42,0.038  
05/29/2015,13:18:42,0.036  
05/29/2015,13:19:42,0.034  
05/29/2015,13:20:42,0.034  
05/29/2015,13:21:42,0.034  
05/29/2015,13:22:42,0.035  
05/29/2015,13:23:42,0.035  
05/29/2015,13:24:42,0.035  
05/29/2015,13:25:42,0.034  
05/29/2015,13:26:42,0.034  
05/29/2015,13:27:42,0.034  
05/29/2015,13:28:42,0.034  
05/29/2015,13:29:42,0.049  
05/29/2015,13:30:42,0.036



TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,05/04/2015  
Start Time:,08:00:57  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.031  
,Minimum:,0.025  
,Time of Minimum:,11:45:57  
,Date of Minimum:,05/04/2015  
,Maximum:,0.046  
,Time of Maximum:,08:45:57  
,Date of Maximum:,05/04/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/04/2015,08:15:57,0.043  
05/04/2015,08:30:57,0.043  
05/04/2015,08:45:57,0.046  
05/04/2015,09:00:57,0.040  
05/04/2015,09:15:57,0.040  
05/04/2015,09:30:57,0.037  
05/04/2015,09:45:57,0.035  
05/04/2015,10:00:57,0.035  
05/04/2015,10:15:57,0.034  
05/04/2015,10:30:57,0.040  
05/04/2015,10:45:57,0.034  
05/04/2015,11:00:57,0.029  
05/04/2015,11:15:57,0.027  
05/04/2015,11:30:57,0.026  
05/04/2015,11:45:57,0.025  
05/04/2015,12:00:57,0.027  
05/04/2015,12:15:57,0.028  
05/04/2015,12:30:57,0.027  
05/04/2015,12:45:57,0.030  
05/04/2015,13:00:57,0.025  
05/04/2015,13:15:57,0.026  
05/04/2015,13:30:57,0.027  
05/04/2015,13:45:57,0.026  
05/04/2015,14:00:57,0.027  
05/04/2015,14:15:57,0.027  
05/04/2015,14:30:57,0.029  
05/04/2015,14:45:57,0.027  
05/04/2015,15:00:57,0.028  
05/04/2015,15:15:57,0.028  
05/04/2015,15:30:57,0.026

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,05/04/2015  
Start Time:,15:12:00

5-4-15 Downwind-1 Dust

Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.026  
,Minimum:,0.024  
,Time of Minimum:,15:14:00  
,Date of Minimum:,05/04/2015  
,Maximum:,0.038  
,Time of Maximum:,15:13:00  
,Date of Maximum:,05/04/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/04/2015,15:13:00,0.038  
05/04/2015,15:14:00,0.024  
05/04/2015,15:15:00,0.025  
05/04/2015,15:16:00,0.024  
05/04/2015,15:17:00,0.024  
05/04/2015,15:18:00,0.025  
05/04/2015,15:19:00,0.024  
05/04/2015,15:20:00,0.025  
05/04/2015,15:21:00,0.025  
05/04/2015,15:22:00,0.024  
05/04/2015,15:23:00,0.025  
05/04/2015,15:24:00,0.024  
05/04/2015,15:25:00,0.028  
05/04/2015,15:26:00,0.025  
05/04/2015,15:27:00,0.025

15/05/04 08:08

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-909560  
 Unit Firmware Ver V1.20  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 5/4/2015 08:08:19  
 End 5/4/2015 15:39:47  
 Sample Period(s) 900  
 Number of Records 30  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 1.000  
 High Alarm 5.000  
 Over Alarm 15000.000  
 STEL Alarm 25.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 5/4/2015 07:33  
 Peak N/A  
 Min N/A  
 Average N/A

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	5/4/2015 08:23:19	0.005	0.352
002	5/4/2015 08:38:19	0.000	0.000
003	5/4/2015 08:53:19	0.002	0.023
004	5/4/2015 09:08:19	0.019	0.044
005	5/4/2015 09:23:19	0.046	0.067
006	5/4/2015 09:38:19	0.078	0.131
007	5/4/2015 09:53:19	0.121	0.162
008	5/4/2015 10:08:19	0.143	0.233
009	5/4/2015 10:23:19	0.150	0.223
010	5/4/2015 10:38:19	0.161	0.253
011	5/4/2015 10:53:19	0.164	0.265
012	5/4/2015 11:08:19	0.190	0.252
013	5/4/2015 11:23:19	0.188	0.230
014	5/4/2015 11:38:19	0.153	0.243
015	5/4/2015 11:53:19	0.163	0.274
016	5/4/2015 12:08:19	0.165	0.337
017	5/4/2015 12:23:19	0.153	0.265
018	5/4/2015 12:38:19	0.150	0.271
019	5/4/2015 12:53:19	0.136	0.214
020	5/4/2015 13:08:19	0.116	0.191
021	5/4/2015 13:23:19	0.126	0.267
022	5/4/2015 13:38:19	0.128	0.202
023	5/4/2015 13:53:19	0.124	0.212
024	5/4/2015 14:08:19	0.165	0.249
025	5/4/2015 14:23:19	0.181	0.262

5-4-15 Downwind-1 VOC.prs

026	5/4/2015	14:38:19	0.196	0.264
027	5/4/2015	14:53:19	0.172	0.255
028	5/4/2015	15:08:19	0.119	0.170
029	5/4/2015	15:23:19	0.092	0.158
030	5/4/2015	15:38:19	0.063	0.094
Peak			0.196	0.352
Min			0.000	0.000
Average			0.122	0.205

## TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,05/04/2015  
Start Time:,07:52:54  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.033  
,Minimum:,0.021  
,Time of Minimum:,11:37:54  
,Date of Minimum:,05/04/2015  
,Maximum:,0.056  
,Time of Maximum:,08:07:54  
,Date of Maximum:,05/04/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/04/2015,08:07:54,0.056  
05/04/2015,08:22:54,0.050  
05/04/2015,08:37:54,0.044  
05/04/2015,08:52:54,0.044  
05/04/2015,09:07:54,0.049  
05/04/2015,09:22:54,0.042  
05/04/2015,09:37:54,0.043  
05/04/2015,09:52:54,0.041  
05/04/2015,10:07:54,0.041  
05/04/2015,10:22:54,0.043  
05/04/2015,10:37:54,0.050  
05/04/2015,10:52:54,0.034  
05/04/2015,11:07:54,0.030  
05/04/2015,11:22:54,0.026  
05/04/2015,11:37:54,0.021  
05/04/2015,11:52:54,0.021  
05/04/2015,12:07:54,0.022  
05/04/2015,12:22:54,0.023  
05/04/2015,12:37:54,0.025  
05/04/2015,12:52:54,0.028  
05/04/2015,13:07:54,0.021  
05/04/2015,13:22:54,0.024  
05/04/2015,13:37:54,0.024  
05/04/2015,13:52:54,0.022  
05/04/2015,14:07:54,0.024  
05/04/2015,14:22:54,0.026  
05/04/2015,14:37:54,0.032  
05/04/2015,14:52:54,0.029  
05/04/2015,15:07:54,0.031  
05/04/2015,15:22:54,0.026  
05/04/2015,15:37:54,0.026

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,05/04/2015

5-4-15 Downwind-2 Dust

Start Time:,07:52:55  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.056  
,Minimum:,0.039  
,Time of Minimum:,08:04:55  
,Date of Minimum:,05/04/2015  
,Maximum:,0.082  
,Time of Maximum:,07:53:55  
,Date of Maximum:,05/04/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/04/2015,07:53:55,0.082  
05/04/2015,07:54:55,0.052  
05/04/2015,07:55:55,0.065  
05/04/2015,07:56:55,0.054  
05/04/2015,07:57:55,0.041  
05/04/2015,07:58:55,0.057  
05/04/2015,07:59:55,0.055  
05/04/2015,08:00:55,0.077  
05/04/2015,08:01:55,0.041  
05/04/2015,08:02:55,0.045  
05/04/2015,08:03:55,0.046  
05/04/2015,08:04:55,0.039  
05/04/2015,08:05:55,0.054  
05/04/2015,08:06:55,0.068  
05/04/2015,08:07:55,0.063

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_B  
Start Date:,05/04/2015  
Start Time:,08:54:17  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.047  
,Minimum:,0.035  
,Time of Minimum:,09:08:17  
,Date of Minimum:,05/04/2015  
,Maximum:,0.079  
,Time of Maximum:,08:55:17  
,Date of Maximum:,05/04/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/04/2015,08:55:17,0.079  
05/04/2015,08:56:17,0.038  
05/04/2015,08:57:17,0.053

5-4-15 Downwind-2 Dust

05/04/2015,08:58:17,0.054  
05/04/2015,08:59:17,0.052  
05/04/2015,09:00:17,0.047  
05/04/2015,09:01:17,0.045  
05/04/2015,09:02:17,0.058  
05/04/2015,09:03:17,0.050  
05/04/2015,09:04:17,0.042  
05/04/2015,09:05:17,0.040  
05/04/2015,09:06:17,0.041  
05/04/2015,09:07:17,0.038  
05/04/2015,09:08:17,0.035  
05/04/2015,09:09:17,0.035

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_C  
Start Date:,05/04/2015  
Start Time:,09:57:27  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.042  
,Minimum:,0.027  
,Time of Minimum:,10:06:27  
,Date of Minimum:,05/04/2015  
,Maximum:,0.064  
,Time of Maximum:,09:58:27  
,Date of Maximum:,05/04/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/04/2015,09:58:27,0.064  
05/04/2015,09:59:27,0.037  
05/04/2015,10:00:27,0.034  
05/04/2015,10:01:27,0.030  
05/04/2015,10:02:27,0.038  
05/04/2015,10:03:27,0.053  
05/04/2015,10:04:27,0.048  
05/04/2015,10:05:27,0.041  
05/04/2015,10:06:27,0.027  
05/04/2015,10:07:27,0.034  
05/04/2015,10:08:27,0.055  
05/04/2015,10:09:27,0.053  
05/04/2015,10:10:27,0.041  
05/04/2015,10:11:27,0.027  
05/04/2015,10:12:27,0.042

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_D  
Start Date:,05/04/2015  
Start Time:,10:27:35  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

5-4-15 Downwind-2 Dust

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.048  
,Minimum:,0.031  
,Time of Minimum:,10:39:35  
,Date of Minimum:,05/04/2015  
,Maximum:,0.114  
,Time of Maximum:,10:28:35  
,Date of Maximum:,05/04/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/04/2015,10:28:35,0.114  
05/04/2015,10:29:35,0.043  
05/04/2015,10:30:35,0.050  
05/04/2015,10:31:35,0.069  
05/04/2015,10:32:35,0.033  
05/04/2015,10:33:35,0.037  
05/04/2015,10:34:35,0.050  
05/04/2015,10:35:35,0.038  
05/04/2015,10:36:35,0.052  
05/04/2015,10:37:35,0.058  
05/04/2015,10:38:35,0.040  
05/04/2015,10:39:35,0.031  
05/04/2015,10:40:35,0.033  
05/04/2015,10:41:35,0.033  
05/04/2015,10:42:35,0.046



15/05/04 08:03

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 5/4/2015 08:03:04  
 End 5/4/2015 15:52:14  
 Sample Period(s) 900  
 Number of Records 31  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 21.738  
 High Alarm 43.476  
 Over Alarm 15000.000  
 STEL Alarm 43.476  
 TWA Alarm 4.725  
 Measurement Gas Isobutylene  
 Calibration Time 5/4/2015 07:40  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	5/4/2015 08:18:04	0.019	0.905
002	5/4/2015 08:33:04	0.000	0.000
003	5/4/2015 08:48:04	0.000	0.000
004	5/4/2015 09:03:04	0.000	0.000
005	5/4/2015 09:18:04	0.000	0.000
006	5/4/2015 09:33:04	0.000	0.000
007	5/4/2015 09:48:04	0.000	0.000
008	5/4/2015 10:03:04	0.000	0.000
009	5/4/2015 10:18:04	0.000	0.000
010	5/4/2015 10:33:04	0.000	0.000
011	5/4/2015 10:48:04	0.000	0.000
012	5/4/2015 11:03:04	0.000	0.000
013	5/4/2015 11:18:04	0.000	0.000
014	5/4/2015 11:33:04	0.000	0.000
015	5/4/2015 11:48:04	0.000	0.000
016	5/4/2015 12:03:04	0.000	0.000
017	5/4/2015 12:18:04	0.000	0.000
018	5/4/2015 12:33:04	0.000	0.000
019	5/4/2015 12:48:04	0.000	0.000
020	5/4/2015 13:03:04	0.000	0.000
021	5/4/2015 13:18:04	0.000	0.000
022	5/4/2015 13:33:04	0.000	0.000
023	5/4/2015 13:48:04	0.000	0.000
024	5/4/2015 14:03:04	0.000	0.000
025	5/4/2015 14:18:04	0.000	0.000

5-4-15 Downwind-2 VOC.prs

026	5/4/2015	14:33:04	0.000	0.000
027	5/4/2015	14:48:04	0.000	0.000
028	5/4/2015	15:03:04	0.000	0.000
029	5/4/2015	15:18:04	0.000	0.000
030	5/4/2015	15:33:04	0.000	0.000
031	5/4/2015	15:48:04	0.000	0.000
Peak		0.019	0.905	
Min		0.000	0.000	
Average		0.001	0.029	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,05/04/2015  
Start Time:,07:46:09  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.025  
,Minimum:,0.016  
,Time of Minimum:,12:46:09  
,Date of Minimum:,05/04/2015  
,Maximum:,0.125  
,Time of Maximum:,08:01:09  
,Date of Maximum:,05/04/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/04/2015,08:01:09,0.125  
05/04/2015,08:16:09,0.028  
05/04/2015,08:31:09,0.028  
05/04/2015,08:46:09,0.028  
05/04/2015,09:01:09,0.027  
05/04/2015,09:16:09,0.026  
05/04/2015,09:31:09,0.024  
05/04/2015,09:46:09,0.023  
05/04/2015,10:01:09,0.022  
05/04/2015,10:16:09,0.021  
05/04/2015,10:31:09,0.021  
05/04/2015,10:46:09,0.020  
05/04/2015,11:01:09,0.018  
05/04/2015,11:16:09,0.018  
05/04/2015,11:31:09,0.018  
05/04/2015,11:46:09,0.019  
05/04/2015,12:01:09,0.017  
05/04/2015,12:16:09,0.017  
05/04/2015,12:31:09,0.017  
05/04/2015,12:46:09,0.016  
05/04/2015,13:01:09,0.017  
05/04/2015,13:16:09,0.018  
05/04/2015,13:31:09,0.018  
05/04/2015,13:46:09,0.018  
05/04/2015,14:01:09,0.018  
05/04/2015,14:16:09,0.020  
05/04/2015,14:31:09,0.025  
05/04/2015,14:46:09,0.024  
05/04/2015,15:01:09,0.024  
05/04/2015,15:16:09,0.023  
05/04/2015,15:31:09,0.023

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,05/04/2015

5-4-15 Upwind Dust

Start Time:,07:46:18  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.125  
,Minimum:,0.028  
,Time of Minimum:,07:57:18  
,Date of Minimum:,05/04/2015  
,Maximum:,1.470  
,Time of Maximum:,07:47:18  
,Date of Maximum:,05/04/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/04/2015,07:47:18,1.470  
05/04/2015,07:48:18,0.031  
05/04/2015,07:49:18,0.031  
05/04/2015,07:50:18,0.031  
05/04/2015,07:51:18,0.030  
05/04/2015,07:52:18,0.030  
05/04/2015,07:53:18,0.030  
05/04/2015,07:54:18,0.030  
05/04/2015,07:55:18,0.030  
05/04/2015,07:56:18,0.029  
05/04/2015,07:57:18,0.028  
05/04/2015,07:58:18,0.028  
05/04/2015,07:59:18,0.028  
05/04/2015,08:00:18,0.029  
05/04/2015,08:01:18,0.028

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_B  
Start Date:,05/04/2015  
Start Time:,11:40:36  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.018  
,Minimum:,0.017  
,Time of Minimum:,11:45:36  
,Date of Minimum:,05/04/2015  
,Maximum:,0.024  
,Time of Maximum:,11:41:36  
,Date of Maximum:,05/04/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/04/2015,11:41:36,0.024  
05/04/2015,11:42:36,0.020  
05/04/2015,11:43:36,0.018

5-4-15 Upwind Dust

05/04/2015,11:44:36,0.018  
05/04/2015,11:45:36,0.017  
05/04/2015,11:46:36,0.017  
05/04/2015,11:47:36,0.017  
05/04/2015,11:48:36,0.017  
05/04/2015,11:49:36,0.019  
05/04/2015,11:50:36,0.018  
05/04/2015,11:51:36,0.017  
05/04/2015,11:52:36,0.017  
05/04/2015,11:53:36,0.017  
05/04/2015,11:54:36,0.017  
05/04/2015,11:55:36,0.017

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_C  
Start Date:,05/04/2015  
Start Time:,14:05:18  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.021  
,Minimum:,0.019  
,Time of Minimum:,14:08:18  
,Date of Minimum:,05/04/2015  
,Maximum:,0.031  
,Time of Maximum:,14:06:18  
,Date of Maximum:,05/04/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/04/2015,14:06:18,0.031  
05/04/2015,14:07:18,0.020  
05/04/2015,14:08:18,0.019  
05/04/2015,14:09:18,0.019  
05/04/2015,14:10:18,0.019  
05/04/2015,14:11:18,0.019  
05/04/2015,14:12:18,0.019  
05/04/2015,14:13:18,0.019  
05/04/2015,14:14:18,0.019  
05/04/2015,14:15:18,0.019  
05/04/2015,14:16:18,0.019  
05/04/2015,14:17:18,0.020  
05/04/2015,14:18:18,0.025  
05/04/2015,14:19:18,0.026  
05/04/2015,14:20:18,0.023

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_D  
Start Date:,05/04/2015  
Start Time:,14:43:34  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

5-4-15 Upwind Dust

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.025  
,Minimum:,0.023  
,Time of Minimum:,14:45:34  
,Date of Minimum:,05/04/2015  
,Maximum:,0.033  
,Time of Maximum:,14:44:34  
,Date of Maximum:,05/04/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/04/2015,14:44:34,0.033  
05/04/2015,14:45:34,0.023  
05/04/2015,14:46:34,0.024  
05/04/2015,14:47:34,0.023  
05/04/2015,14:48:34,0.023  
05/04/2015,14:49:34,0.023  
05/04/2015,14:50:34,0.024  
05/04/2015,14:51:34,0.025  
05/04/2015,14:52:34,0.025  
05/04/2015,14:53:34,0.025  
05/04/2015,14:54:34,0.024  
05/04/2015,14:55:34,0.025  
05/04/2015,14:56:34,0.024  
05/04/2015,14:57:34,0.024  
05/04/2015,14:58:34,0.025

## TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,05/05/2015  
Start Time:,07:58:08  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.048  
,Minimum:,0.031  
,Time of Minimum:,13:58:08  
,Date of Minimum:,05/05/2015  
,Maximum:,0.084  
,Time of Maximum:,08:13:08  
,Date of Maximum:,05/05/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/05/2015,08:13:08,0.084  
05/05/2015,08:28:08,0.073  
05/05/2015,08:43:08,0.066  
05/05/2015,08:58:08,0.068  
05/05/2015,09:13:08,0.065  
05/05/2015,09:28:08,0.067  
05/05/2015,09:43:08,0.068  
05/05/2015,09:58:08,0.066  
05/05/2015,10:13:08,0.060  
05/05/2015,10:28:08,0.057  
05/05/2015,10:43:08,0.054  
05/05/2015,10:58:08,0.054  
05/05/2015,11:13:08,0.053  
05/05/2015,11:28:08,0.049  
05/05/2015,11:43:08,0.048  
05/05/2015,11:58:08,0.045  
05/05/2015,12:13:08,0.041  
05/05/2015,12:28:08,0.044  
05/05/2015,12:43:08,0.041  
05/05/2015,12:58:08,0.035  
05/05/2015,13:13:08,0.034  
05/05/2015,13:28:08,0.032  
05/05/2015,13:43:08,0.033  
05/05/2015,13:58:08,0.031  
05/05/2015,14:13:08,0.031  
05/05/2015,14:28:08,0.031  
05/05/2015,14:43:08,0.031  
05/05/2015,14:58:08,0.032  
05/05/2015,15:13:08,0.032  
05/05/2015,15:28:08,0.033  
05/05/2015,15:43:08,0.032

5-5-15 Downwind-1 VOC.prs

15/05/05 08:05

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-909560  
 Unit Firmware Ver V1.20  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 5/5/2015 08:05:36  
 End 5/5/2015 15:59:42  
 Sample Period(s) 900  
 Number of Records 31  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 1.000  
 High Alarm 5.000  
 Over Alarm 15000.000  
 STEL Alarm 25.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 5/5/2015 07:40  
 Peak N/A  
 Min N/A  
 Average N/A

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	5/5/2015 08:20:36	0.003	0.246
002	5/5/2015 08:35:36	0.000	0.000
003	5/5/2015 08:50:36	0.000	0.000
004	5/5/2015 09:05:36	0.003	0.059
005	5/5/2015 09:20:36	0.017	0.058
006	5/5/2015 09:35:36	0.030	0.057
007	5/5/2015 09:50:36	0.051	0.099
008	5/5/2015 10:05:36	0.099	0.154
009	5/5/2015 10:20:36	0.167	0.226
010	5/5/2015 10:35:36	0.194	0.212
011	5/5/2015 10:50:36	0.212	0.225
012	5/5/2015 11:05:36	0.235	0.266
013	5/5/2015 11:20:36	0.261	0.358
014	5/5/2015 11:35:36	0.253	0.304
015	5/5/2015 11:50:36	0.233	0.252
016	5/5/2015 12:05:36	0.223	0.236
017	5/5/2015 12:20:36	0.210	0.223
018	5/5/2015 12:35:36	0.199	0.211
019	5/5/2015 12:50:36	0.185	0.195
020	5/5/2015 13:05:36	0.181	0.191
021	5/5/2015 13:20:36	0.192	0.201
022	5/5/2015 13:35:36	0.177	0.197
023	5/5/2015 13:50:36	0.170	0.179
024	5/5/2015 14:05:36	0.163	0.176
025	5/5/2015 14:20:36	0.144	0.162



5-5-15 Downwind-1 VOC.prs

026	5/5/2015	14:35:36	0.125	0.137
027	5/5/2015	14:50:36	0.115	0.124
028	5/5/2015	15:05:36	0.102	0.114
029	5/5/2015	15:20:36	0.092	0.103
030	5/5/2015	15:35:36	0.089	0.097
031	5/5/2015	15:50:36	0.090	0.099
Peak		0.261	0.358	
Min		0.000	0.000	
Average		0.136	0.166	

## TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,05/05/2015  
Start Time:,08:07:54  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.052  
,Minimum:,0.031  
,Time of Minimum:,15:52:54  
,Date of Minimum:,05/05/2015  
,Maximum:,0.098  
,Time of Maximum:,08:52:54  
,Date of Maximum:,05/05/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/05/2015,08:22:54,0.076  
05/05/2015,08:37:54,0.066  
05/05/2015,08:52:54,0.098  
05/05/2015,09:07:54,0.070  
05/05/2015,09:22:54,0.070  
05/05/2015,09:37:54,0.081  
05/05/2015,09:52:54,0.088  
05/05/2015,10:07:54,0.072  
05/05/2015,10:22:54,0.069  
05/05/2015,10:37:54,0.061  
05/05/2015,10:52:54,0.060  
05/05/2015,11:07:54,0.056  
05/05/2015,11:22:54,0.052  
05/05/2015,11:37:54,0.051  
05/05/2015,11:52:54,0.048  
05/05/2015,12:07:54,0.050  
05/05/2015,12:22:54,0.046  
05/05/2015,12:37:54,0.044  
05/05/2015,12:52:54,0.040  
05/05/2015,13:07:54,0.038  
05/05/2015,13:22:54,0.032  
05/05/2015,13:37:54,0.035  
05/05/2015,13:52:54,0.034  
05/05/2015,14:07:54,0.032  
05/05/2015,14:22:54,0.034  
05/05/2015,14:37:54,0.034  
05/05/2015,14:52:54,0.032  
05/05/2015,15:07:54,0.033  
05/05/2015,15:22:54,0.034  
05/05/2015,15:37:54,0.034  
05/05/2015,15:52:54,0.031

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_A  
Start Date:,05/05/2015

5-5-15 Downwind-2 Dust

Start Time:,08:07:55  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.076  
,Minimum:,0.071  
,Time of Minimum:,08:21:55  
,Date of Minimum:,05/05/2015  
,Maximum:,0.126  
,Time of Maximum:,08:08:55  
,Date of Maximum:,05/05/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/05/2015,08:08:55,0.126  
05/05/2015,08:09:55,0.073  
05/05/2015,08:10:55,0.073  
05/05/2015,08:11:55,0.073  
05/05/2015,08:12:55,0.074  
05/05/2015,08:13:55,0.073  
05/05/2015,08:14:55,0.073  
05/05/2015,08:15:55,0.073  
05/05/2015,08:16:55,0.073  
05/05/2015,08:17:55,0.075  
05/05/2015,08:18:55,0.072  
05/05/2015,08:19:55,0.072  
05/05/2015,08:20:55,0.072  
05/05/2015,08:21:55,0.071  
05/05/2015,08:22:55,0.071

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_B  
Start Date:,05/05/2015  
Start Time:,08:47:29  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.089  
,Minimum:,0.064  
,Time of Minimum:,08:53:29  
,Date of Minimum:,05/05/2015  
,Maximum:,0.213  
,Time of Maximum:,08:49:29  
,Date of Maximum:,05/05/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/05/2015,08:48:29,0.136  
05/05/2015,08:49:29,0.213  
05/05/2015,08:50:29,0.134

5-5-15 Downwind-2 Dust

05/05/2015,08:51:29,0.096  
05/05/2015,08:52:29,0.069  
05/05/2015,08:53:29,0.064  
05/05/2015,08:54:29,0.075  
05/05/2015,08:55:29,0.078  
05/05/2015,08:56:29,0.069  
05/05/2015,08:57:29,0.066  
05/05/2015,08:58:29,0.066  
05/05/2015,08:59:29,0.066  
05/05/2015,09:00:29,0.069  
05/05/2015,09:01:29,0.072  
05/05/2015,09:02:29,0.064

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_C  
Start Date:,05/05/2015  
Start Time:,09:29:49  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.086  
,Minimum:,0.068  
,Time of Minimum:,09:38:49  
,Date of Minimum:,05/05/2015  
,Maximum:,0.135  
,Time of Maximum:,09:30:49  
,Date of Maximum:,05/05/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/05/2015,09:30:49,0.135  
05/05/2015,09:31:49,0.076  
05/05/2015,09:32:49,0.084  
05/05/2015,09:33:49,0.079  
05/05/2015,09:34:49,0.071  
05/05/2015,09:35:49,0.096  
05/05/2015,09:36:49,0.070  
05/05/2015,09:37:49,0.069  
05/05/2015,09:38:49,0.068  
05/05/2015,09:39:49,0.081  
05/05/2015,09:40:49,0.078  
05/05/2015,09:41:49,0.085  
05/05/2015,09:42:49,0.106  
05/05/2015,09:43:49,0.090  
05/05/2015,09:44:49,0.107

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_D  
Start Date:,05/05/2015  
Start Time:,09:50:24  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

5-5-15 Downwind-2 Dust

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.075  
,Minimum:,0.066  
,Time of Minimum:,10:04:24  
,Date of Minimum:,05/05/2015  
,Maximum:,0.094  
,Time of Maximum:,09:51:24  
,Date of Maximum:,05/05/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/05/2015,09:51:24,0.094  
05/05/2015,09:52:24,0.091  
05/05/2015,09:53:24,0.079  
05/05/2015,09:54:24,0.072  
05/05/2015,09:55:24,0.073  
05/05/2015,09:56:24,0.076  
05/05/2015,09:57:24,0.087  
05/05/2015,09:58:24,0.070  
05/05/2015,09:59:24,0.072  
05/05/2015,10:00:24,0.076  
05/05/2015,10:01:24,0.071  
05/05/2015,10:02:24,0.068  
05/05/2015,10:03:24,0.068  
05/05/2015,10:04:24,0.066  
05/05/2015,10:05:24,0.067

15/05/05 08:18

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 5/5/2015 08:18:10  
 End 5/5/2015 16:14:21  
 Sample Period(s) 900  
 Number of Records 31  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 21.738  
 High Alarm 43.476  
 Over Alarm 15000.000  
 STEL Alarm 43.476  
 TWA Alarm 4.725  
 Measurement Gas Isobutylene  
 Calibration Time 5/5/2015 07:51  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	5/5/2015 08:33:10	0.028	0.938
002	5/5/2015 08:48:10	0.000	0.000
003	5/5/2015 09:03:10	0.004	0.038
004	5/5/2015 09:18:10	0.000	0.000
005	5/5/2015 09:33:10	0.000	0.000
006	5/5/2015 09:48:10	0.000	0.000
007	5/5/2015 10:03:10	0.000	0.000
008	5/5/2015 10:18:10	0.000	0.000
009	5/5/2015 10:33:10	0.000	0.000
010	5/5/2015 10:48:10	0.000	0.000
011	5/5/2015 11:03:10	0.000	0.000
012	5/5/2015 11:18:10	0.000	0.000
013	5/5/2015 11:33:10	0.000	0.000
014	5/5/2015 11:48:10	0.000	0.000
015	5/5/2015 12:03:10	0.000	0.000
016	5/5/2015 12:18:10	0.000	0.000
017	5/5/2015 12:33:10	0.000	0.000
018	5/5/2015 12:48:10	0.000	0.000
019	5/5/2015 13:03:10	0.000	0.000
020	5/5/2015 13:18:10	0.000	0.000
021	5/5/2015 13:33:10	0.000	0.000
022	5/5/2015 13:48:10	0.000	0.000
023	5/5/2015 14:03:10	0.000	0.000
024	5/5/2015 14:18:10	0.000	0.000
025	5/5/2015 14:33:10	0.000	0.000

5-5-15 Downwind-2 VOC.prs

026	5/5/2015	14:48:10	0.000	0.000
027	5/5/2015	15:03:10	0.000	0.000
028	5/5/2015	15:18:10	0.000	0.000
029	5/5/2015	15:33:10	0.000	0.000
030	5/5/2015	15:48:10	0.000	0.000
031	5/5/2015	16:03:10	0.000	0.000
Peak		0.028	0.938	
Min		0.000	0.000	
Average		0.001	0.031	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,05/05/2015  
Start Time:,07:56:04  
Duration (dd:hh:mm:ss):,0:08:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,32  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.052  
,Minimum:,0.032  
,Time of Minimum:,15:56:04  
,Date of Minimum:,05/05/2015  
,Maximum:,0.092  
,Time of Maximum:,08:11:04  
,Date of Maximum:,05/05/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/05/2015,08:11:04,0.092  
05/05/2015,08:26:04,0.076  
05/05/2015,08:41:04,0.066  
05/05/2015,08:56:04,0.067  
05/05/2015,09:11:04,0.066  
05/05/2015,09:26:04,0.070  
05/05/2015,09:41:04,0.072  
05/05/2015,09:56:04,0.073  
05/05/2015,10:11:04,0.068  
05/05/2015,10:26:04,0.065  
05/05/2015,10:41:04,0.062  
05/05/2015,10:56:04,0.061  
05/05/2015,11:11:04,0.059  
05/05/2015,11:26:04,0.055  
05/05/2015,11:41:04,0.051  
05/05/2015,11:56:04,0.053  
05/05/2015,12:11:04,0.050  
05/05/2015,12:26:04,0.051  
05/05/2015,12:41:04,0.051  
05/05/2015,12:56:04,0.044  
05/05/2015,13:11:04,0.038  
05/05/2015,13:26:04,0.035  
05/05/2015,13:41:04,0.039  
05/05/2015,13:56:04,0.035  
05/05/2015,14:11:04,0.034  
05/05/2015,14:26:04,0.035  
05/05/2015,14:41:04,0.034  
05/05/2015,14:56:04,0.033  
05/05/2015,15:11:04,0.035  
05/05/2015,15:26:04,0.034  
05/05/2015,15:41:04,0.033  
05/05/2015,15:56:04,0.032

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_A



5-5-15 Upwind Dust

Start Date:,05/05/2015  
Start Time:,07:56:05  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.092  
,Minimum:,0.077  
,Time of Minimum:,08:11:05  
,Date of Minimum:,05/05/2015  
,Maximum:,0.240  
,Time of Maximum:,07:57:05  
,Date of Maximum:,05/05/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/05/2015,07:57:05,0.240  
05/05/2015,07:58:05,0.084  
05/05/2015,07:59:05,0.084  
05/05/2015,08:00:05,0.084  
05/05/2015,08:01:05,0.083  
05/05/2015,08:02:05,0.082  
05/05/2015,08:03:05,0.082  
05/05/2015,08:04:05,0.083  
05/05/2015,08:05:05,0.081  
05/05/2015,08:06:05,0.081  
05/05/2015,08:07:05,0.082  
05/05/2015,08:08:05,0.081  
05/05/2015,08:09:05,0.079  
05/05/2015,08:10:05,0.078  
05/05/2015,08:11:05,0.077

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,05/06/2015  
Start Time:,08:02:32  
Duration (dd:hh:mm:ss):,0:06:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,26  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.015  
,Minimum:,0.010  
,Time of Minimum:,14:17:32  
,Date of Minimum:,05/06/2015  
,Maximum:,0.021  
,Time of Maximum:,11:47:32  
,Date of Maximum:,05/06/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/06/2015,08:17:32,0.016  
05/06/2015,08:32:32,0.016  
05/06/2015,08:47:32,0.016  
05/06/2015,09:02:32,0.015  
05/06/2015,09:17:32,0.014  
05/06/2015,09:32:32,0.012  
05/06/2015,09:47:32,0.011  
05/06/2015,10:02:32,0.012  
05/06/2015,10:17:32,0.013  
05/06/2015,10:32:32,0.016  
05/06/2015,10:47:32,0.016  
05/06/2015,11:02:32,0.018  
05/06/2015,11:17:32,0.018  
05/06/2015,11:32:32,0.019  
05/06/2015,11:47:32,0.021  
05/06/2015,12:02:32,0.020  
05/06/2015,12:17:32,0.017  
05/06/2015,12:32:32,0.015  
05/06/2015,12:47:32,0.015  
05/06/2015,13:02:32,0.014  
05/06/2015,13:17:32,0.013  
05/06/2015,13:32:32,0.013  
05/06/2015,13:47:32,0.013  
05/06/2015,14:02:32,0.011  
05/06/2015,14:17:32,0.010  
05/06/2015,14:32:32,0.010

15/05/06 08:10

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-909560  
 Unit Firmware Ver V1.20  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 5/6/2015 08:10:01  
 End 5/6/2015 14:44:10  
 Sample Period(s) 900  
 Number of Records 26  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 1.000  
 High Alarm 5.000  
 Over Alarm 15000.000  
 STEL Alarm 25.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 5/6/2015 07:45  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	5/6/2015 08:25:01	0.002	0.196
002	5/6/2015 08:40:01	0.000	0.000
003	5/6/2015 08:55:01	0.000	0.002
004	5/6/2015 09:10:01	0.007	0.030
005	5/6/2015 09:25:01	0.037	0.080
006	5/6/2015 09:40:01	0.054	0.070
007	5/6/2015 09:55:01	0.073	0.099
008	5/6/2015 10:10:01	0.103	0.142
009	5/6/2015 10:25:01	0.161	0.223
010	5/6/2015 10:40:01	0.285	0.449
011	5/6/2015 10:55:01	0.338	0.411
012	5/6/2015 11:10:01	0.323	0.484
013	5/6/2015 11:25:01	0.371	0.454
014	5/6/2015 11:40:01	0.358	0.406
015	5/6/2015 11:55:01	0.345	0.423
016	5/6/2015 12:10:01	0.363	0.418
017	5/6/2015 12:25:01	0.360	0.382
018	5/6/2015 12:40:01	0.345	0.389
019	5/6/2015 12:55:01	0.374	0.470
020	5/6/2015 13:10:01	0.319	0.383
021	5/6/2015 13:25:01	0.306	0.342
022	5/6/2015 13:40:01	0.330	0.368
023	5/6/2015 13:55:01	0.343	0.425
024	5/6/2015 14:10:01	0.329	0.341
025	5/6/2015 14:25:01	0.364	0.390

026 5/6/2015 14:40:01 5-6-15 Downwind-1 VOC.prs  
Peak 0.391 0.484  
Min 0.000 0.000  
Average 0.242 0.299

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
 Model Number:,8530  
 Serial Number:,8530122515  
 Test ID:,003  
 Test Abbreviation:,MANUAL\_003  
 Start Date:,05/06/2015  
 Start Time:,07:55:06  
 Duration (dd:hh:mm:ss):,0:06:45:00  
 Log Interval (mm:ss):,15:00  
 Number of points:,27  
 Notes:,

Statistics,Channel:,AEROSOL  
 ,Units:,mg/m<sup>3</sup>  
 ,Average:,0.017  
 ,Minimum:,0.011  
 ,Time of Minimum:,13:40:06  
 ,Date of Minimum:,05/06/2015  
 ,Maximum:,0.021  
 ,Time of Maximum:,10:55:06  
 ,Date of Maximum:,05/06/2015

Calibration,Sensor:,AEROSOL  
 ,Cal. date,10/09/2014

Date,Time,AEROSOL  
 MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
 05/06/2015,08:10:06,0.016  
 05/06/2015,08:25:06,0.017  
 05/06/2015,08:40:06,0.017  
 05/06/2015,08:55:06,0.017  
 05/06/2015,09:10:06,0.018  
 05/06/2015,09:25:06,0.020  
 05/06/2015,09:40:06,0.018  
 05/06/2015,09:55:06,0.017  
 05/06/2015,10:10:06,0.019  
 05/06/2015,10:25:06,0.018  
 05/06/2015,10:40:06,0.019  
 05/06/2015,10:55:06,0.021  
 05/06/2015,11:10:06,0.021  
 05/06/2015,11:25:06,0.018  
 05/06/2015,11:40:06,0.020  
 05/06/2015,11:55:06,0.020  
 05/06/2015,12:10:06,0.021  
 05/06/2015,12:25:06,0.021  
 05/06/2015,12:40:06,0.019  
 05/06/2015,12:55:06,0.015  
 05/06/2015,13:10:06,0.013  
 05/06/2015,13:25:06,0.013  
 05/06/2015,13:40:06,0.011  
 05/06/2015,13:55:06,0.011  
 05/06/2015,14:10:06,0.013  
 05/06/2015,14:25:06,0.012  
 05/06/2015,14:40:06,0.015

Model:,DustTrak II  
 Model Number:,8530  
 Serial Number:,8530122515  
 Test ID:,003  
 Test Abbreviation:,MANUAL\_003\_A  
 Start Date:,05/06/2015  
 Start Time:,07:55:07  
 Duration (dd:hh:mm:ss):,0:00:15:00  
 Log Interval (mm:ss):,01:00  
 Number of points:,15

5-6-15 Downwind-2 Dust

Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.016  
,Minimum: ,0.014  
,Time of Minimum: ,07:57:07  
,Date of Minimum: ,05/06/2015  
,Maximum: ,0.029  
,Time of Maximum: ,07:56:07  
,Date of Maximum: ,05/06/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/06/2015,07:56:07,0.029  
05/06/2015,07:57:07,0.014  
05/06/2015,07:58:07,0.014  
05/06/2015,07:59:07,0.014  
05/06/2015,08:00:07,0.014  
05/06/2015,08:01:07,0.015  
05/06/2015,08:02:07,0.018  
05/06/2015,08:03:07,0.015  
05/06/2015,08:04:07,0.015  
05/06/2015,08:05:07,0.015  
05/06/2015,08:06:07,0.014  
05/06/2015,08:07:07,0.015  
05/06/2015,08:08:07,0.016  
05/06/2015,08:09:07,0.016  
05/06/2015,08:10:07,0.018

15/05/06 08:05

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 5/6/2015 08:05:23  
 End 5/6/2015 14:59:39  
 Sample Period(s) 900  
 Number of Records 27  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 21.738  
 High Alarm 43.476  
 Over Alarm 15000.000  
 STEL Alarm 43.476  
 TWA Alarm 4.725  
 Measurement Gas Isobutylene  
 Calibration Time 5/6/2015 07:50  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	5/6/2015 08:20:23	0.034	1.299
002	5/6/2015 08:35:23	0.000	0.000
003	5/6/2015 08:50:23	0.000	0.000
004	5/6/2015 09:05:23	0.000	0.000
005	5/6/2015 09:20:23	0.000	0.000
006	5/6/2015 09:35:23	0.000	0.000
007	5/6/2015 09:50:23	0.000	0.000
008	5/6/2015 10:05:23	0.000	0.000
009	5/6/2015 10:20:23	0.000	0.000
010	5/6/2015 10:35:23	0.000	0.000
011	5/6/2015 10:50:23	0.000	0.000
012	5/6/2015 11:05:23	0.000	0.000
013	5/6/2015 11:20:23	0.000	0.000
014	5/6/2015 11:35:23	0.000	0.000
015	5/6/2015 11:50:23	0.000	0.000
016	5/6/2015 12:05:23	0.000	0.000
017	5/6/2015 12:20:23	0.000	0.000
018	5/6/2015 12:35:23	0.000	0.000
019	5/6/2015 12:50:23	0.000	0.000
020	5/6/2015 13:05:23	0.000	0.000
021	5/6/2015 13:20:23	0.000	0.000
022	5/6/2015 13:35:23	0.000	0.004
023	5/6/2015 13:50:23	0.010	0.019
024	5/6/2015 14:05:23	0.002	0.014
025	5/6/2015 14:20:23	0.000	0.000

5-6-15 Downwind-2 VOC.prs

026	5/6/2015	14:35:23	0.000	0.000
027	5/6/2015	14:50:23	0.000	0.000
Peak		0.034	1.299	
Min		0.000	0.000	
Average		0.002	0.049	



TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,05/06/2015  
Start Time:,08:14:42  
Duration (dd:hh:mm:ss):,0:06:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,25  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.017  
,Minimum:,0.011  
,Time of Minimum:,09:44:42  
,Date of Minimum:,05/06/2015  
,Maximum:,0.028  
,Time of Maximum:,13:29:42  
,Date of Maximum:,05/06/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/06/2015,08:29:42,0.023  
05/06/2015,08:44:42,0.016  
05/06/2015,08:59:42,0.015  
05/06/2015,09:14:42,0.014  
05/06/2015,09:29:42,0.012  
05/06/2015,09:44:42,0.011  
05/06/2015,09:59:42,0.011  
05/06/2015,10:14:42,0.013  
05/06/2015,10:29:42,0.014  
05/06/2015,10:44:42,0.016  
05/06/2015,10:59:42,0.017  
05/06/2015,11:14:42,0.017  
05/06/2015,11:29:42,0.019  
05/06/2015,11:44:42,0.022  
05/06/2015,11:59:42,0.022  
05/06/2015,12:14:42,0.021  
05/06/2015,12:29:42,0.019  
05/06/2015,12:44:42,0.015  
05/06/2015,12:59:42,0.014  
05/06/2015,13:14:42,0.018  
05/06/2015,13:29:42,0.028  
05/06/2015,13:44:42,0.017  
05/06/2015,13:59:42,0.015  
05/06/2015,14:14:42,0.013  
05/06/2015,14:29:42,0.012

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_A  
Start Date:,05/06/2015  
Start Time:,08:14:43  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

5-6-15 Upwind Dust

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.023  
,Minimum:,0.015  
,Time of Minimum:,08:16:43  
,Date of Minimum:,05/06/2015  
,Maximum:,0.122  
,Time of Maximum:,08:15:43  
,Date of Maximum:,05/06/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
05/06/2015,08:15:43,0.122  
05/06/2015,08:16:43,0.015  
05/06/2015,08:17:43,0.015  
05/06/2015,08:18:43,0.015  
05/06/2015,08:19:43,0.015  
05/06/2015,08:20:43,0.015  
05/06/2015,08:21:43,0.015  
05/06/2015,08:22:43,0.016  
05/06/2015,08:23:43,0.016  
05/06/2015,08:24:43,0.016  
05/06/2015,08:25:43,0.016  
05/06/2015,08:26:43,0.016  
05/06/2015,08:27:43,0.016  
05/06/2015,08:28:43,0.016  
05/06/2015,08:29:43,0.016

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_B  
Start Date:,05/06/2015  
Start Time:,13:09:42  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.018  
,Minimum:,0.013  
,Time of Minimum:,13:13:42  
,Date of Minimum:,05/06/2015  
,Maximum:,0.047  
,Time of Maximum:,13:12:42  
,Date of Maximum:,05/06/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
05/06/2015,13:10:42,0.032  
05/06/2015,13:11:42,0.034  
05/06/2015,13:12:42,0.047  
05/06/2015,13:13:42,0.013  
05/06/2015,13:14:42,0.013  
05/06/2015,13:15:42,0.013  
05/06/2015,13:16:42,0.015  
05/06/2015,13:17:42,0.013  
05/06/2015,13:18:42,0.013

5-6-15 Upwind Dust

05/06/2015,13:19:42,0.013  
05/06/2015,13:20:42,0.014  
05/06/2015,13:21:42,0.014  
05/06/2015,13:22:42,0.013  
05/06/2015,13:23:42,0.013  
05/06/2015,13:24:42,0.015

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_C  
Start Date:,05/06/2015  
Start Time:,13:24:42  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.031  
,Minimum:,0.013  
,Time of Minimum:,13:33:42  
,Date of Minimum:,05/06/2015  
,Maximum:,0.116  
,Time of Maximum:,13:25:42  
,Date of Maximum:,05/06/2015

Calibration,Sensor:,,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/06/2015,13:25:42,0.116  
05/06/2015,13:26:42,0.067  
05/06/2015,13:27:42,0.017  
05/06/2015,13:28:42,0.015  
05/06/2015,13:29:42,0.060  
05/06/2015,13:30:42,0.037  
05/06/2015,13:31:42,0.029  
05/06/2015,13:32:42,0.016  
05/06/2015,13:33:42,0.013  
05/06/2015,13:34:42,0.021  
05/06/2015,13:35:42,0.015  
05/06/2015,13:36:42,0.019  
05/06/2015,13:37:42,0.013  
05/06/2015,13:38:42,0.013  
05/06/2015,13:39:42,0.014

## TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,05/07/2015  
Start Time:,07:58:22  
Duration (dd:hh:mm:ss):,0:09:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,38  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.015  
,Minimum:,0.007  
,Time of Minimum:,12:43:22  
,Date of Minimum:,05/07/2015  
,Maximum:,0.029  
,Time of Maximum:,08:58:22  
,Date of Maximum:,05/07/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL

MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/07/2015,08:13:22,0.026  
05/07/2015,08:28:22,0.027  
05/07/2015,08:43:22,0.027  
05/07/2015,08:58:22,0.029  
05/07/2015,09:13:22,0.029  
05/07/2015,09:28:22,0.021  
05/07/2015,09:43:22,0.020  
05/07/2015,09:58:22,0.020  
05/07/2015,10:13:22,0.015  
05/07/2015,10:28:22,0.015  
05/07/2015,10:43:22,0.015  
05/07/2015,10:58:22,0.015  
05/07/2015,11:13:22,0.012  
05/07/2015,11:28:22,0.011  
05/07/2015,11:43:22,0.010  
05/07/2015,11:58:22,0.008  
05/07/2015,12:13:22,0.008  
05/07/2015,12:28:22,0.008  
05/07/2015,12:43:22,0.007  
05/07/2015,12:58:22,0.008  
05/07/2015,13:13:22,0.009  
05/07/2015,13:28:22,0.010  
05/07/2015,13:43:22,0.010  
05/07/2015,13:58:22,0.012  
05/07/2015,14:13:22,0.009  
05/07/2015,14:28:22,0.015  
05/07/2015,14:43:22,0.015  
05/07/2015,14:58:22,0.015  
05/07/2015,15:13:22,0.015  
05/07/2015,15:28:22,0.014  
05/07/2015,15:43:22,0.014  
05/07/2015,15:58:22,0.015  
05/07/2015,16:13:22,0.016  
05/07/2015,16:28:22,0.016  
05/07/2015,16:43:22,0.016  
05/07/2015,16:58:22,0.016  
05/07/2015,17:13:22,0.016  
05/07/2015,17:28:22,0.016

5-7-15 Downwind-1 VOC.prs

15/05/07 08:06

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-909560  
 Unit Firmware Ver V1.20  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 5/7/2015 08:06:03  
 End 5/7/2015 17:41:03  
 Sample Period(s) 900  
 Number of Records 38  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 1.000  
 High Alarm 5.000  
 Over Alarm 15000.000  
 STEL Alarm 25.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 5/7/2015 07:41  
 Peak N/A  
 Min N/A  
 Average N/A

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	5/7/2015 08:21:03	0.006	0.403
002	5/7/2015 08:36:03	0.000	0.000
003	5/7/2015 08:51:03	0.003	0.026
004	5/7/2015 09:06:03	0.039	0.071
005	5/7/2015 09:21:03	0.093	0.112
006	5/7/2015 09:36:03	0.117	0.131
007	5/7/2015 09:51:03	0.142	0.157
008	5/7/2015 10:06:03	0.165	0.176
009	5/7/2015 10:21:03	0.179	0.201
010	5/7/2015 10:36:03	0.204	0.218
011	5/7/2015 10:51:03	0.212	0.222
012	5/7/2015 11:06:03	0.236	0.258
013	5/7/2015 11:21:03	0.271	0.296
014	5/7/2015 11:36:03	0.303	0.346
015	5/7/2015 11:51:03	0.317	0.347
016	5/7/2015 12:06:03	0.354	0.378
017	5/7/2015 12:21:03	0.340	0.359
018	5/7/2015 12:36:03	0.290	0.324
019	5/7/2015 12:51:03	0.280	0.290
020	5/7/2015 13:06:03	0.306	0.333
021	5/7/2015 13:21:03	0.340	0.381
022	5/7/2015 13:36:03	0.325	0.354
023	5/7/2015 13:51:03	0.245	0.281
024	5/7/2015 14:06:03	0.239	0.284
025	5/7/2015 14:21:03	0.225	0.237

5-7-15 Downwind-1 VOC.prs

026	5/7/2015	14:36:03	0.214	0.246
027	5/7/2015	14:51:03	0.207	0.216
028	5/7/2015	15:06:03	0.199	0.210
029	5/7/2015	15:21:03	0.206	0.211
030	5/7/2015	15:36:03	0.192	0.208
031	5/7/2015	15:51:03	0.175	0.184
032	5/7/2015	16:06:03	0.170	0.184
033	5/7/2015	16:21:03	0.148	0.163
034	5/7/2015	16:36:03	0.129	0.000
035	5/7/2015	16:51:03	0.000	0.000
036	5/7/2015	17:06:03	0.000	0.000
037	5/7/2015	17:21:03	0.000	0.000
038	5/7/2015	17:36:03	---	---
Peak			0.354	0.403
Min			0.000	0.000
Average			0.186	0.211

## TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,05/07/2015  
Start Time:,07:59:17  
Duration (dd:hh:mm:ss):,0:09:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,38  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.012  
,Minimum:,0.003  
,Time of Minimum:,12:44:17  
,Date of Minimum:,05/07/2015  
,Maximum:,0.028  
,Time of Maximum:,08:59:17  
,Date of Maximum:,05/07/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL

MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>

05/07/2015,08:14:17,0.025  
05/07/2015,08:29:17,0.024  
05/07/2015,08:44:17,0.022  
05/07/2015,08:59:17,0.028  
05/07/2015,09:14:17,0.021  
05/07/2015,09:29:17,0.017  
05/07/2015,09:44:17,0.015  
05/07/2015,09:59:17,0.013  
05/07/2015,10:14:17,0.009  
05/07/2015,10:29:17,0.009  
05/07/2015,10:44:17,0.008  
05/07/2015,10:59:17,0.009  
05/07/2015,11:14:17,0.007  
05/07/2015,11:29:17,0.006  
05/07/2015,11:44:17,0.009  
05/07/2015,11:59:17,0.008  
05/07/2015,12:14:17,0.010  
05/07/2015,12:29:17,0.005  
05/07/2015,12:44:17,0.003  
05/07/2015,12:59:17,0.004  
05/07/2015,13:14:17,0.006  
05/07/2015,13:29:17,0.006  
05/07/2015,13:44:17,0.006  
05/07/2015,13:59:17,0.016  
05/07/2015,14:14:17,0.018  
05/07/2015,14:29:17,0.009  
05/07/2015,14:44:17,0.018  
05/07/2015,14:59:17,0.010  
05/07/2015,15:14:17,0.010  
05/07/2015,15:29:17,0.010  
05/07/2015,15:44:17,0.009  
05/07/2015,15:59:17,0.011  
05/07/2015,16:14:17,0.013  
05/07/2015,16:29:17,0.011  
05/07/2015,16:44:17,0.010  
05/07/2015,16:59:17,0.014  
05/07/2015,17:14:17,0.012  
05/07/2015,17:29:17,0.010

5-7-15 Downwind-2 Dust

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_A  
Start Date:,05/07/2015  
Start Time:,07:59:18  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.025  
,Minimum:,0.023  
,Time of Minimum:,08:08:18  
,Date of Minimum:,05/07/2015  
,Maximum:,0.040  
,Time of Maximum:,08:00:18  
,Date of Maximum:,05/07/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/07/2015,08:00:18,0.040  
05/07/2015,08:01:18,0.024  
05/07/2015,08:02:18,0.024  
05/07/2015,08:03:18,0.024  
05/07/2015,08:04:18,0.024  
05/07/2015,08:05:18,0.024  
05/07/2015,08:06:18,0.024  
05/07/2015,08:07:18,0.024  
05/07/2015,08:08:18,0.023  
05/07/2015,08:09:18,0.024  
05/07/2015,08:10:18,0.024  
05/07/2015,08:11:18,0.024  
05/07/2015,08:12:18,0.024  
05/07/2015,08:13:18,0.024  
05/07/2015,08:14:18,0.023

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_B  
Start Date:,05/07/2015  
Start Time:,13:54:13  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.021  
,Minimum:,0.004  
,Time of Minimum:,14:07:13  
,Date of Minimum:,05/07/2015  
,Maximum:,0.061  
,Time of Maximum:,14:00:13  
,Date of Maximum:,05/07/2015

Calibration,Sensor:,AEROSOL



5-7-15 Downwind-2 Dust

,cal. date,10/09/2014

Date,Time,AEROSOL
MM/dd/yyyy, hh:mm:ss,mg/m <sup>3</sup>
05/07/2015,13:55:13,0.036
05/07/2015,13:56:13,0.013
05/07/2015,13:57:13,0.016
05/07/2015,13:58:13,0.008
05/07/2015,13:59:13,0.008
05/07/2015,14:00:13,0.061
05/07/2015,14:01:13,0.057
05/07/2015,14:02:13,0.030
05/07/2015,14:03:13,0.036
05/07/2015,14:04:13,0.028
05/07/2015,14:05:13,0.005
05/07/2015,14:06:13,0.005
05/07/2015,14:07:13,0.004
05/07/2015,14:08:13,0.004
05/07/2015,14:09:13,0.004

15/05/07 08:09

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 5/7/2015 08:09:45  
 End 5/7/2015 17:53:02  
 Sample Period(s) 900  
 Number of Records 38  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 21.738  
 High Alarm 43.476  
 Over Alarm 15000.000  
 STEL Alarm 43.476  
 TWA Alarm 4.725  
 Measurement Gas Isobutylene  
 Calibration Time 5/7/2015 07:50  
 Peak N/A  
 Min N/A  
 Average N/A

\*\*\*\*\*

Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	5/7/2015 08:24:45	0.018	0.960
002	5/7/2015 08:39:45	0.000	0.000
003	5/7/2015 08:54:45	0.000	0.000
004	5/7/2015 09:09:45	0.000	0.000
005	5/7/2015 09:24:45	0.000	0.000
006	5/7/2015 09:39:45	0.000	0.000
007	5/7/2015 09:54:45	0.000	0.000
008	5/7/2015 10:09:45	0.000	0.000
009	5/7/2015 10:24:45	0.000	0.000
010	5/7/2015 10:39:45	0.000	0.000
011	5/7/2015 10:54:45	0.000	0.000
012	5/7/2015 11:09:45	0.000	0.000
013	5/7/2015 11:24:45	0.000	0.000
014	5/7/2015 11:39:45	0.000	0.000
015	5/7/2015 11:54:45	0.000	0.000
016	5/7/2015 12:09:45	0.000	0.000
017	5/7/2015 12:24:45	0.000	0.000
018	5/7/2015 12:39:45	0.000	0.000
019	5/7/2015 12:54:45	0.000	0.000
020	5/7/2015 13:09:45	0.000	0.000
021	5/7/2015 13:24:45	0.000	0.000
022	5/7/2015 13:39:45	0.000	0.000
023	5/7/2015 13:54:45	0.000	0.000
024	5/7/2015 14:09:45	0.000	0.000
025	5/7/2015 14:24:45	0.000	0.000

5-7-15 Downwind-2 VOC.prs

026	5/7/2015	14:39:45	0.000	0.000
027	5/7/2015	14:54:45	0.000	0.000
028	5/7/2015	15:09:45	0.000	0.000
029	5/7/2015	15:24:45	0.000	0.000
030	5/7/2015	15:39:45	0.000	0.000
031	5/7/2015	15:54:45	0.000	0.000
032	5/7/2015	16:09:45	0.000	0.000
033	5/7/2015	16:24:45	0.000	0.000
034	5/7/2015	16:39:45	0.000	0.000
035	5/7/2015	16:54:45	0.000	0.000
036	5/7/2015	17:09:45	0.000	0.000
037	5/7/2015	17:24:45	0.000	0.000
038	5/7/2015	17:39:45	0.000	0.000
Peak		0.018	0.960	
Min		0.000	0.000	
Average		0.000	0.025	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,05/07/2015  
Start Time:,08:07:39  
Duration (dd:hh:mm:ss):,0:08:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,34  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.017  
,Minimum:,0.010  
,Time of Minimum:,11:52:39  
,Date of Minimum:,05/07/2015  
,Maximum:,0.050  
,Time of Maximum:,08:22:39  
,Date of Maximum:,05/07/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/07/2015,08:22:39,0.050  
05/07/2015,08:37:39,0.028  
05/07/2015,08:52:39,0.027  
05/07/2015,09:07:39,0.027  
05/07/2015,09:22:39,0.025  
05/07/2015,09:37:39,0.022  
05/07/2015,09:52:39,0.020  
05/07/2015,10:07:39,0.018  
05/07/2015,10:22:39,0.015  
05/07/2015,10:37:39,0.015  
05/07/2015,10:52:39,0.014  
05/07/2015,11:07:39,0.014  
05/07/2015,11:22:39,0.011  
05/07/2015,11:37:39,0.011  
05/07/2015,11:52:39,0.010  
05/07/2015,12:07:39,0.010  
05/07/2015,12:22:39,0.010  
05/07/2015,12:37:39,0.010  
05/07/2015,12:52:39,0.010  
05/07/2015,13:07:39,0.010  
05/07/2015,13:22:39,0.013  
05/07/2015,13:37:39,0.015  
05/07/2015,13:52:39,0.011  
05/07/2015,14:07:39,0.011  
05/07/2015,14:22:39,0.012  
05/07/2015,14:37:39,0.019  
05/07/2015,14:52:39,0.018  
05/07/2015,15:07:39,0.017  
05/07/2015,15:22:39,0.018  
05/07/2015,15:37:39,0.018  
05/07/2015,15:52:39,0.016  
05/07/2015,16:07:39,0.017  
05/07/2015,16:22:39,0.017  
05/07/2015,16:37:39,0.016

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315

5-7-15 Upwind Dust

Test ID:,004  
Test Abbreviation:,MANUAL\_004\_A  
Start Date:,05/07/2015  
Start Time:,08:07:40  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.050  
,Minimum:,0.026  
,Time of Minimum:,08:09:40  
,Date of Minimum:,05/07/2015  
,Maximum:,0.362  
,Time of Maximum:,08:08:40  
,Date of Maximum:,05/07/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/07/2015,08:08:40,0.362  
05/07/2015,08:09:40,0.026  
05/07/2015,08:10:40,0.026  
05/07/2015,08:11:40,0.026  
05/07/2015,08:12:40,0.026  
05/07/2015,08:13:40,0.026  
05/07/2015,08:14:40,0.026  
05/07/2015,08:15:40,0.027  
05/07/2015,08:16:40,0.028  
05/07/2015,08:17:40,0.028  
05/07/2015,08:18:40,0.029  
05/07/2015,08:19:40,0.028  
05/07/2015,08:20:40,0.028  
05/07/2015,08:21:40,0.028  
05/07/2015,08:22:40,0.028

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,005  
Test Abbreviation:,MANUAL\_005  
Start Date:,05/08/2015  
Start Time:,07:59:09  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.030  
,Minimum:,0.020  
,Time of Minimum:,11:14:09  
,Date of Minimum:,05/08/2015  
,Maximum:,0.036  
,Time of Maximum:,13:29:09  
,Date of Maximum:,05/08/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/08/2015,08:14:09,0.029  
05/08/2015,08:29:09,0.033  
05/08/2015,08:44:09,0.032  
05/08/2015,08:59:09,0.032  
05/08/2015,09:14:09,0.034  
05/08/2015,09:29:09,0.031  
05/08/2015,09:44:09,0.033  
05/08/2015,09:59:09,0.028  
05/08/2015,10:14:09,0.028  
05/08/2015,10:29:09,0.026  
05/08/2015,10:44:09,0.026  
05/08/2015,10:59:09,0.024  
05/08/2015,11:14:09,0.020  
05/08/2015,11:29:09,0.021  
05/08/2015,11:44:09,0.023  
05/08/2015,11:59:09,0.024  
05/08/2015,12:14:09,0.024  
05/08/2015,12:29:09,0.024  
05/08/2015,12:44:09,0.028  
05/08/2015,12:59:09,0.033  
05/08/2015,13:14:09,0.034  
05/08/2015,13:29:09,0.036  
05/08/2015,13:44:09,0.036  
05/08/2015,13:59:09,0.035  
05/08/2015,14:14:09,0.033  
05/08/2015,14:29:09,0.032  
05/08/2015,14:44:09,0.033  
05/08/2015,14:59:09,0.035  
05/08/2015,15:14:09,0.034  
05/08/2015,15:29:09,0.035

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530141112  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_A  
Start Date:,05/08/2015  
Start Time:,07:59:10

5-8-15 Downwind-1 Dust

Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.029  
,Minimum:,0.027  
,Time of Minimum:,08:07:10  
,Date of Minimum:,05/08/2015  
,Maximum:,0.038  
,Time of Maximum:,08:00:10  
,Date of Maximum:,05/08/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,03/12/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/08/2015,08:00:10,0.038  
05/08/2015,08:01:10,0.029  
05/08/2015,08:02:10,0.029  
05/08/2015,08:03:10,0.028  
05/08/2015,08:04:10,0.029  
05/08/2015,08:05:10,0.028  
05/08/2015,08:06:10,0.028  
05/08/2015,08:07:10,0.027  
05/08/2015,08:08:10,0.028  
05/08/2015,08:09:10,0.028  
05/08/2015,08:10:10,0.027  
05/08/2015,08:11:10,0.027  
05/08/2015,08:12:10,0.027  
05/08/2015,08:13:10,0.028  
05/08/2015,08:14:10,0.028

15/05/08 08:07

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-909560  
 Unit Firmware Ver v1.20  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 5/8/2015 08:07:04  
 End 5/8/2015 15:51:51  
 Sample Period(s) 900  
 Number of Records 30  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 1.000  
 High Alarm 5.000  
 Over Alarm 15000.000  
 STEL Alarm 25.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 5/8/2015 07:36  
 Peak N/A  
 Min N/A  
 Average N/A

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	5/8/2015 08:22:04	0.003	0.163
002	5/8/2015 08:37:04	0.000	0.000
003	5/8/2015 08:52:04	0.017	0.050
004	5/8/2015 09:07:04	0.052	0.078
005	5/8/2015 09:22:04	0.089	0.111
006	5/8/2015 09:37:04	0.126	0.155
007	5/8/2015 09:52:04	0.162	0.189
008	5/8/2015 10:07:04	0.180	0.210
009	5/8/2015 10:22:04	0.209	0.230
010	5/8/2015 10:37:04	0.226	0.288
011	5/8/2015 10:52:04	0.237	0.274
012	5/8/2015 11:07:04	0.230	0.264
013	5/8/2015 11:22:04	0.267	0.310
014	5/8/2015 11:37:04	0.305	0.334
015	5/8/2015 11:52:04	0.290	0.314
016	5/8/2015 12:07:04	0.284	0.319
017	5/8/2015 12:22:04	0.259	0.295
018	5/8/2015 12:37:04	0.254	0.291
019	5/8/2015 12:52:04	0.264	0.287
020	5/8/2015 13:07:04	0.282	0.344
021	5/8/2015 13:22:04	0.305	0.357
022	5/8/2015 13:37:04	0.295	0.351
023	5/8/2015 13:52:04	0.218	0.262
024	5/8/2015 14:07:04	0.182	0.218
025	5/8/2015 14:22:04	0.175	0.197



5-8-15 Downwind-1 VOC.prs

026	5/8/2015 14:37:04	0.178	0.205
027	5/8/2015 14:52:04	0.187	0.215
028	5/8/2015 15:07:04	0.201	0.238
029	5/8/2015 15:22:04	0.190	0.216
030	5/8/2015 15:37:04	0.167	0.204
Peak	0.305	0.357	
Min	0.000	0.000	
Average	0.194	0.232	

## TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,005  
Test Abbreviation:,MANUAL\_005  
Start Date:,05/08/2015  
Start Time:,07:59:35  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.026  
,Minimum:,0.017  
,Time of Minimum:,11:14:35  
,Date of Minimum:,05/08/2015  
,Maximum:,0.035  
,Time of Maximum:,13:29:35  
,Date of Maximum:,05/08/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
05/08/2015,08:14:35,0.029  
05/08/2015,08:29:35,0.028  
05/08/2015,08:44:35,0.029  
05/08/2015,08:59:35,0.025  
05/08/2015,09:14:35,0.025  
05/08/2015,09:29:35,0.024  
05/08/2015,09:44:35,0.027  
05/08/2015,09:59:35,0.024  
05/08/2015,10:14:35,0.026  
05/08/2015,10:29:35,0.023  
05/08/2015,10:44:35,0.023  
05/08/2015,10:59:35,0.019  
05/08/2015,11:14:35,0.017  
05/08/2015,11:29:35,0.018  
05/08/2015,11:44:35,0.018  
05/08/2015,11:59:35,0.020  
05/08/2015,12:14:35,0.020  
05/08/2015,12:29:35,0.020  
05/08/2015,12:44:35,0.025  
05/08/2015,12:59:35,0.030  
05/08/2015,13:14:35,0.034  
05/08/2015,13:29:35,0.035  
05/08/2015,13:44:35,0.033  
05/08/2015,13:59:35,0.033  
05/08/2015,14:14:35,0.030  
05/08/2015,14:29:35,0.028  
05/08/2015,14:44:35,0.028  
05/08/2015,14:59:35,0.032  
05/08/2015,15:14:35,0.032  
05/08/2015,15:29:35,0.031  
05/08/2015,15:44:35,0.030

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_A  
Start Date:,05/08/2015

5-8-15 Downwind-2 Dust

Start Time:,07:59:36  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.029  
,Minimum:,0.024  
,Time of Minimum:,08:12:36  
,Date of Minimum:,05/08/2015  
,Maximum:,0.079  
,Time of Maximum:,08:00:36  
,Date of Maximum:,05/08/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/08/2015,08:00:36,0.079  
05/08/2015,08:01:36,0.027  
05/08/2015,08:02:36,0.028  
05/08/2015,08:03:36,0.025  
05/08/2015,08:04:36,0.026  
05/08/2015,08:05:36,0.028  
05/08/2015,08:06:36,0.027  
05/08/2015,08:07:36,0.025  
05/08/2015,08:08:36,0.025  
05/08/2015,08:09:36,0.025  
05/08/2015,08:10:36,0.025  
05/08/2015,08:11:36,0.025  
05/08/2015,08:12:36,0.024  
05/08/2015,08:13:36,0.024  
05/08/2015,08:14:36,0.024

5-8-15 Downwind-2 VOC.prs

15/05/08 08:10

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 5/8/2015 08:10:14  
 End 5/8/2015 16:01:04  
 Sample Period(s) 900  
 Number of Records 31  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 21.738  
 High Alarm 43.476  
 Over Alarm 15000.000  
 STEL Alarm 43.476  
 TWA Alarm 4.725  
 Measurement Gas Isobutylene  
 Calibration Time 5/8/2015 07:41  
 Peak N/A  
 Min N/A  
 Average N/A

\*\*\*\*\*

Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	5/8/2015 08:25:14	0.032	0.916
002	5/8/2015 08:40:14	0.000	0.000
003	5/8/2015 08:55:14	0.000	0.000
004	5/8/2015 09:10:14	0.000	0.000
005	5/8/2015 09:25:14	0.000	0.000
006	5/8/2015 09:40:14	0.000	0.000
007	5/8/2015 09:55:14	0.000	0.000
008	5/8/2015 10:10:14	0.000	0.000
009	5/8/2015 10:25:14	0.000	0.000
010	5/8/2015 10:40:14	0.000	0.000
011	5/8/2015 10:55:14	0.000	0.000
012	5/8/2015 11:10:14	0.000	0.000
013	5/8/2015 11:25:14	0.000	0.000
014	5/8/2015 11:40:14	0.000	0.000
015	5/8/2015 11:55:14	0.000	0.000
016	5/8/2015 12:10:14	0.003	0.015
017	5/8/2015 12:25:14	0.027	0.039
018	5/8/2015 12:40:14	0.051	0.073
019	5/8/2015 12:55:14	0.078	0.090
020	5/8/2015 13:10:14	0.096	0.107
021	5/8/2015 13:25:14	0.094	0.118
022	5/8/2015 13:40:14	0.114	0.122
023	5/8/2015 13:55:14	0.091	0.113
024	5/8/2015 14:10:14	0.044	0.064
025	5/8/2015 14:25:14	0.049	0.072

5-8-15 Downwind-2 VOC.prs

026	5/8/2015 14:40:14	0.087	0.104
027	5/8/2015 14:55:14	0.116	0.138
028	5/8/2015 15:10:14	0.133	0.143
029	5/8/2015 15:25:14	0.097	0.120
030	5/8/2015 15:40:14	0.079	0.087
031	5/8/2015 15:55:14	0.058	0.077
Peak	0.133	0.916	
Min	0.000	0.000	
Average	0.040	0.077	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,005  
Test Abbreviation:,MANUAL\_005  
Start Date:,05/08/2015  
Start Time:,08:07:39  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.027  
,Minimum:,0.020  
,Time of Minimum:,11:22:39  
,Date of Minimum:,05/08/2015  
,Maximum:,0.033  
,Time of Maximum:,13:22:39  
,Date of Maximum:,05/08/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/08/2015,08:22:39,0.031  
05/08/2015,08:37:39,0.028  
05/08/2015,08:52:39,0.026  
05/08/2015,09:07:39,0.028  
05/08/2015,09:22:39,0.028  
05/08/2015,09:37:39,0.029  
05/08/2015,09:52:39,0.028  
05/08/2015,10:07:39,0.025  
05/08/2015,10:22:39,0.025  
05/08/2015,10:37:39,0.022  
05/08/2015,10:52:39,0.021  
05/08/2015,11:07:39,0.021  
05/08/2015,11:22:39,0.020  
05/08/2015,11:37:39,0.020  
05/08/2015,11:52:39,0.021  
05/08/2015,12:07:39,0.021  
05/08/2015,12:22:39,0.021  
05/08/2015,12:37:39,0.024  
05/08/2015,12:52:39,0.028  
05/08/2015,13:07:39,0.032  
05/08/2015,13:22:39,0.033  
05/08/2015,13:37:39,0.033  
05/08/2015,13:52:39,0.033  
05/08/2015,14:07:39,0.033  
05/08/2015,14:22:39,0.030  
05/08/2015,14:37:39,0.029  
05/08/2015,14:52:39,0.029  
05/08/2015,15:07:39,0.030  
05/08/2015,15:22:39,0.030  
05/08/2015,15:37:39,0.032  
05/08/2015,15:52:39,0.033

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_A  
Start Date:,05/08/2015

5-8-15 Upwind Dust

Start Time:,08:07:40  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.031  
,Minimum:,0.028  
,Time of Minimum:,08:09:40  
,Date of Minimum:,05/08/2015  
,Maximum:,0.059  
,Time of Maximum:,08:08:40  
,Date of Maximum:,05/08/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/08/2015,08:08:40,0.059  
05/08/2015,08:09:40,0.028  
05/08/2015,08:10:40,0.029  
05/08/2015,08:11:40,0.029  
05/08/2015,08:12:40,0.029  
05/08/2015,08:13:40,0.029  
05/08/2015,08:14:40,0.029  
05/08/2015,08:15:40,0.028  
05/08/2015,08:16:40,0.028  
05/08/2015,08:17:40,0.028  
05/08/2015,08:18:40,0.029  
05/08/2015,08:19:40,0.029  
05/08/2015,08:20:40,0.029  
05/08/2015,08:21:40,0.029  
05/08/2015,08:22:40,0.029

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_B  
Start Date:,05/08/2015  
Start Time:,11:57:56  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.021  
,Minimum:,0.020  
,Time of Minimum:,11:59:56  
,Date of Minimum:,05/08/2015  
,Maximum:,0.031  
,Time of Maximum:,11:58:56  
,Date of Maximum:,05/08/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/08/2015,11:58:56,0.031  
05/08/2015,11:59:56,0.020  
05/08/2015,12:00:56,0.021

5-8-15 Upwind Dust

05/08/2015,12:01:56,0.021  
05/08/2015,12:02:56,0.021  
05/08/2015,12:03:56,0.021  
05/08/2015,12:04:56,0.021  
05/08/2015,12:05:56,0.021  
05/08/2015,12:06:56,0.021  
05/08/2015,12:07:56,0.021  
05/08/2015,12:08:56,0.021  
05/08/2015,12:09:56,0.021  
05/08/2015,12:10:56,0.021  
05/08/2015,12:11:56,0.021  
05/08/2015,12:12:56,0.021

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_C  
Start Date:,05/08/2015  
Start Time:,13:35:50  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.033  
,Minimum:,0.032  
,Time of Minimum:,13:37:50  
,Date of Minimum:,05/08/2015  
,Maximum:,0.042  
,Time of Maximum:,13:36:50  
,Date of Maximum:,05/08/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/08/2015,13:36:50,0.042  
05/08/2015,13:37:50,0.032  
05/08/2015,13:38:50,0.033  
05/08/2015,13:39:50,0.033  
05/08/2015,13:40:50,0.033  
05/08/2015,13:41:50,0.033  
05/08/2015,13:42:50,0.033  
05/08/2015,13:43:50,0.033  
05/08/2015,13:44:50,0.032  
05/08/2015,13:45:50,0.032  
05/08/2015,13:46:50,0.032  
05/08/2015,13:47:50,0.032  
05/08/2015,13:48:50,0.032  
05/08/2015,13:49:50,0.033  
05/08/2015,13:50:50,0.033

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_D  
Start Date:,05/08/2015  
Start Time:,14:00:12  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,



5-8-15 Upwind Dust

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.032  
,Minimum:,0.029  
,Time of Minimum:,14:14:12  
,Date of Minimum:,05/08/2015  
,Maximum:,0.039  
,Time of Maximum:,14:01:12  
,Date of Maximum:,05/08/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
05/08/2015,14:01:12,0.039  
05/08/2015,14:02:12,0.032  
05/08/2015,14:03:12,0.032  
05/08/2015,14:04:12,0.032  
05/08/2015,14:05:12,0.032  
05/08/2015,14:06:12,0.032  
05/08/2015,14:07:12,0.032  
05/08/2015,14:08:12,0.032  
05/08/2015,14:09:12,0.032  
05/08/2015,14:10:12,0.032  
05/08/2015,14:11:12,0.032  
05/08/2015,14:12:12,0.031  
05/08/2015,14:13:12,0.030  
05/08/2015,14:14:12,0.029  
05/08/2015,14:15:12,0.029

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122518  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,06/10/2015  
Start Time:,07:51:25  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.087  
,Minimum:,0.051  
,Time of Minimum:,08:06:25  
,Date of Minimum:,06/10/2015  
,Maximum:,0.134  
,Time of Maximum:,12:21:25  
,Date of Maximum:,06/10/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,04/29/2015

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/10/2015,08:06:25,0.051  
06/10/2015,08:21:25,0.053  
06/10/2015,08:36:25,0.055  
06/10/2015,08:51:25,0.061  
06/10/2015,09:06:25,0.067  
06/10/2015,09:21:25,0.072  
06/10/2015,09:36:25,0.078  
06/10/2015,09:51:25,0.082  
06/10/2015,10:06:25,0.086  
06/10/2015,10:21:25,0.092  
06/10/2015,10:36:25,0.097  
06/10/2015,10:51:25,0.103  
06/10/2015,11:06:25,0.107  
06/10/2015,11:21:25,0.113  
06/10/2015,11:36:25,0.115  
06/10/2015,11:51:25,0.117  
06/10/2015,12:06:25,0.129  
06/10/2015,12:21:25,0.134  
06/10/2015,12:36:25,0.129  
06/10/2015,12:51:25,0.118  
06/10/2015,13:06:25,0.111  
06/10/2015,13:21:25,0.108  
06/10/2015,13:36:25,0.099  
06/10/2015,13:51:25,0.081  
06/10/2015,14:06:25,0.064  
06/10/2015,14:21:25,0.059  
06/10/2015,14:36:25,0.057  
06/10/2015,14:51:25,0.059  
06/10/2015,15:06:25,0.061  
06/10/2015,15:21:25,0.064  
06/10/2015,15:36:25,0.070

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122518  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_A  
Start Date:,06/10/2015

6-10-15 Downwind-1 Dust

Start Time:,12:22:24  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.128  
,Minimum:,0.121  
,Time of Minimum:,12:36:24  
,Date of Minimum:,06/10/2015  
,Maximum:,0.135  
,Time of Maximum:,12:23:24  
,Date of Maximum:,06/10/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,04/29/2015

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/10/2015,12:23:24,0.135  
06/10/2015,12:24:24,0.132  
06/10/2015,12:25:24,0.132  
06/10/2015,12:26:24,0.131  
06/10/2015,12:27:24,0.131  
06/10/2015,12:28:24,0.129  
06/10/2015,12:29:24,0.128  
06/10/2015,12:30:24,0.127  
06/10/2015,12:31:24,0.130  
06/10/2015,12:32:24,0.126  
06/10/2015,12:33:24,0.126  
06/10/2015,12:34:24,0.124  
06/10/2015,12:35:24,0.126  
06/10/2015,12:36:24,0.121  
06/10/2015,12:37:24,0.123

6-10-15 Downwind-1 VOC.prs

15/06/10 07:59

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-909560  
 Unit Firmware Ver V1.20  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 6/10/2015 07:59:06  
 End 6/10/2015 15:47:46  
 Sample Period(s) 900  
 Number of Records 31  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 1.000  
 High Alarm 5.000  
 Over Alarm 15000.000  
 STEL Alarm 25.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 6/10/2015 07:43  
 Peak N/A  
 Min N/A  
 Average N/A

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	6/10/2015 08:14:06	0.028	0.157
002	6/10/2015 08:29:06	0.046	0.062
003	6/10/2015 08:44:06	0.066	0.078
004	6/10/2015 08:59:06	0.079	0.091
005	6/10/2015 09:14:06	0.091	0.099
006	6/10/2015 09:29:06	0.099	0.108
007	6/10/2015 09:44:06	0.105	0.111
008	6/10/2015 09:59:06	0.113	0.123
009	6/10/2015 10:14:06	0.121	0.124
010	6/10/2015 10:29:06	0.128	0.136
011	6/10/2015 10:44:06	0.135	0.141
012	6/10/2015 10:59:06	0.137	0.143
013	6/10/2015 11:14:06	0.136	0.142
014	6/10/2015 11:29:06	0.136	0.142
015	6/10/2015 11:44:06	0.138	0.144
016	6/10/2015 11:59:06	0.140	0.151
017	6/10/2015 12:14:06	0.143	0.156
018	6/10/2015 12:29:06	0.142	0.147
019	6/10/2015 12:44:06	0.142	0.146
020	6/10/2015 12:59:06	0.142	0.146
021	6/10/2015 13:14:06	0.137	0.143
022	6/10/2015 13:29:06	0.129	0.135
023	6/10/2015 13:44:06	0.129	0.136
024	6/10/2015 13:59:06	0.138	0.147
025	6/10/2015 14:14:06	0.143	0.155

6-10-15 Downwind-1 VOC.prs

026	6/10/2015	14:29:06	0.147	0.158
027	6/10/2015	14:44:06	0.153	0.162
028	6/10/2015	14:59:06	0.159	0.163
029	6/10/2015	15:14:06	0.161	0.166
030	6/10/2015	15:29:06	0.164	0.168
031	6/10/2015	15:44:06	0.164	0.170
Peak			0.164	0.170
Min			0.028	0.062
Average			0.126	0.137

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,06/10/2015  
Start Time:,07:45:47  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.088  
,Minimum:,0.052  
,Time of Minimum:,08:00:47  
,Date of Minimum:,06/10/2015  
,Maximum:,0.136  
,Time of Maximum:,12:15:47  
,Date of Maximum:,06/10/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/10/2015,08:00:47,0.052  
06/10/2015,08:15:47,0.058  
06/10/2015,08:30:47,0.058  
06/10/2015,08:45:47,0.061  
06/10/2015,09:00:47,0.065  
06/10/2015,09:15:47,0.071  
06/10/2015,09:30:47,0.075  
06/10/2015,09:45:47,0.080  
06/10/2015,10:00:47,0.083  
06/10/2015,10:15:47,0.091  
06/10/2015,10:30:47,0.099  
06/10/2015,10:45:47,0.100  
06/10/2015,11:00:47,0.105  
06/10/2015,11:15:47,0.117  
06/10/2015,11:30:47,0.118  
06/10/2015,11:45:47,0.116  
06/10/2015,12:00:47,0.129  
06/10/2015,12:15:47,0.136  
06/10/2015,12:30:47,0.132  
06/10/2015,12:45:47,0.120  
06/10/2015,13:00:47,0.114  
06/10/2015,13:15:47,0.108  
06/10/2015,13:30:47,0.103  
06/10/2015,13:45:47,0.092  
06/10/2015,14:00:47,0.074  
06/10/2015,14:15:47,0.065  
06/10/2015,14:30:47,0.059  
06/10/2015,14:45:47,0.058  
06/10/2015,15:00:47,0.062  
06/10/2015,15:15:47,0.063  
06/10/2015,15:30:47,0.070

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_A  
Start Date:,06/10/2015

6-10-15 Downwind-2 Dust

Start Time:,09:28:44  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.080  
,Minimum:,0.074  
,Time of Minimum:,09:33:44  
,Date of Minimum:,06/10/2015  
,Maximum:,0.083  
,Time of Maximum:,09:35:44  
,Date of Maximum:,06/10/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/10/2015,09:29:44,0.079  
06/10/2015,09:30:44,0.076  
06/10/2015,09:31:44,0.078  
06/10/2015,09:32:44,0.077  
06/10/2015,09:33:44,0.074  
06/10/2015,09:34:44,0.077  
06/10/2015,09:35:44,0.083  
06/10/2015,09:36:44,0.082  
06/10/2015,09:37:44,0.083  
06/10/2015,09:38:44,0.083  
06/10/2015,09:39:44,0.083  
06/10/2015,09:40:44,0.079  
06/10/2015,09:41:44,0.081  
06/10/2015,09:42:44,0.080  
06/10/2015,09:43:44,0.079

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_B  
Start Date:,06/10/2015  
Start Time:,10:25:05  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.101  
,Minimum:,0.095  
,Time of Minimum:,10:32:05  
,Date of Minimum:,06/10/2015  
,Maximum:,0.136  
,Time of Maximum:,10:26:05  
,Date of Maximum:,06/10/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/10/2015,10:26:05,0.136  
06/10/2015,10:27:05,0.100  
06/10/2015,10:28:05,0.097

6-10-15 Downwind-2 Dust

06/10/2015,10:29:05,0.099  
06/10/2015,10:30:05,0.097  
06/10/2015,10:31:05,0.099  
06/10/2015,10:32:05,0.095  
06/10/2015,10:33:05,0.096  
06/10/2015,10:34:05,0.095  
06/10/2015,10:35:05,0.099  
06/10/2015,10:36:05,0.100  
06/10/2015,10:37:05,0.098  
06/10/2015,10:38:05,0.097  
06/10/2015,10:39:05,0.098  
06/10/2015,10:40:05,0.103

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_C  
Start Date:,06/10/2015  
Start Time:,11:04:47  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.118  
,Minimum:,0.113  
,Time of Minimum:,11:06:47  
,Date of Minimum:,06/10/2015  
,Maximum:,0.128  
,Time of Maximum:,11:11:47  
,Date of Maximum:,06/10/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/10/2015,11:05:47,0.124  
06/10/2015,11:06:47,0.113  
06/10/2015,11:07:47,0.113  
06/10/2015,11:08:47,0.114  
06/10/2015,11:09:47,0.113  
06/10/2015,11:10:47,0.113  
06/10/2015,11:11:47,0.128  
06/10/2015,11:12:47,0.119  
06/10/2015,11:13:47,0.120  
06/10/2015,11:14:47,0.128  
06/10/2015,11:15:47,0.119  
06/10/2015,11:16:47,0.121  
06/10/2015,11:17:47,0.121  
06/10/2015,11:18:47,0.113  
06/10/2015,11:19:47,0.114

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_D  
Start Date:,06/10/2015  
Start Time:,11:25:26  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,



6-10-15 Downwind-2 Dust

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.116  
,Minimum:,0.110  
,Time of Minimum:,11:36:26  
,Date of Minimum:,06/10/2015  
,Maximum:,0.124  
,Time of Maximum:,11:26:26  
,Date of Maximum:,06/10/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/10/2015,11:26:26,0.124  
06/10/2015,11:27:26,0.116  
06/10/2015,11:28:26,0.121  
06/10/2015,11:29:26,0.117  
06/10/2015,11:30:26,0.118  
06/10/2015,11:31:26,0.119  
06/10/2015,11:32:26,0.116  
06/10/2015,11:33:26,0.112  
06/10/2015,11:34:26,0.111  
06/10/2015,11:35:26,0.112  
06/10/2015,11:36:26,0.110  
06/10/2015,11:37:26,0.111  
06/10/2015,11:38:26,0.111  
06/10/2015,11:39:26,0.117  
06/10/2015,11:40:26,0.119

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_E  
Start Date:,06/10/2015  
Start Time:,11:42:57  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.126  
,Minimum:,0.119  
,Time of Minimum:,11:44:57  
,Date of Minimum:,06/10/2015  
,Maximum:,0.134  
,Time of Maximum:,11:52:57  
,Date of Maximum:,06/10/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/10/2015,11:43:57,0.126  
06/10/2015,11:44:57,0.119  
06/10/2015,11:45:57,0.119  
06/10/2015,11:46:57,0.123  
06/10/2015,11:47:57,0.130  
06/10/2015,11:48:57,0.123  
06/10/2015,11:49:57,0.119  
06/10/2015,11:50:57,0.125

6-10-15 Downwind-2 Dust

06/10/2015,11:51:57,0.127  
06/10/2015,11:52:57,0.134  
06/10/2015,11:53:57,0.132  
06/10/2015,11:54:57,0.131  
06/10/2015,11:55:57,0.129  
06/10/2015,11:56:57,0.128  
06/10/2015,11:57:57,0.129

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_F  
Start Date:,06/10/2015  
Start Time:,12:03:50  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.136  
,Minimum:,0.130  
,Time of Minimum:,12:11:50  
,Date of Minimum:,06/10/2015  
,Maximum:,0.152  
,Time of Maximum:,12:04:50  
,Date of Maximum:,06/10/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/10/2015,12:04:50,0.152  
06/10/2015,12:05:50,0.138  
06/10/2015,12:06:50,0.137  
06/10/2015,12:07:50,0.137  
06/10/2015,12:08:50,0.131  
06/10/2015,12:09:50,0.134  
06/10/2015,12:10:50,0.132  
06/10/2015,12:11:50,0.130  
06/10/2015,12:12:50,0.132  
06/10/2015,12:13:50,0.133  
06/10/2015,12:14:50,0.140  
06/10/2015,12:15:50,0.138  
06/10/2015,12:16:50,0.138  
06/10/2015,12:17:50,0.136  
06/10/2015,12:18:50,0.136

6-10-15 Downwind-2 VOC.prs

15/06/10 08:02

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 6/10/2015 08:02:39  
 End 6/10/2015 15:52:25  
 Sample Period(s) 900  
 Number of Records 31  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 4.109  
 High Alarm 8.218  
 Over Alarm 15000.000  
 STEL Alarm 8.218  
 TWA Alarm 0.893  
 Measurement Gas Isobutylene  
 Calibration Time 6/10/2015 07:47  
 Peak N/A  
 Min N/A  
 Average N/A

\*\*\*\*\*

Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	6/10/2015 08:17:39	0.029	0.883
002	6/10/2015 08:32:39	0.000	0.000
003	6/10/2015 08:47:39	0.000	0.000
004	6/10/2015 09:02:39	0.000	0.000
005	6/10/2015 09:17:39	0.000	0.000
006	6/10/2015 09:32:39	0.000	0.018
007	6/10/2015 09:47:39	0.000	0.000
008	6/10/2015 10:02:39	0.000	0.000
009	6/10/2015 10:17:39	0.000	0.000
010	6/10/2015 10:32:39	0.000	0.009
011	6/10/2015 10:47:39	0.000	0.000
012	6/10/2015 11:02:39	0.000	0.000
013	6/10/2015 11:17:39	0.000	0.000
014	6/10/2015 11:32:39	0.000	0.000
015	6/10/2015 11:47:39	0.000	0.000
016	6/10/2015 12:02:39	0.000	0.000
017	6/10/2015 12:17:39	0.000	0.000
018	6/10/2015 12:32:39	0.000	0.000
019	6/10/2015 12:47:39	0.000	0.000
020	6/10/2015 13:02:39	0.000	0.000
021	6/10/2015 13:17:39	0.000	0.000
022	6/10/2015 13:32:39	0.000	0.000
023	6/10/2015 13:47:39	0.000	0.000
024	6/10/2015 14:02:39	0.000	0.000
025	6/10/2015 14:17:39	0.000	0.000

6-10-15 Downwind-2 VOC.prs					
026	6/10/2015	14:32:39	0.000	0.000	
027	6/10/2015	14:47:39	0.000	0.000	
028	6/10/2015	15:02:39	0.000	0.000	
029	6/10/2015	15:17:39	0.000	0.000	
030	6/10/2015	15:32:39	0.000	0.000	
031	6/10/2015	15:47:39	0.000	0.000	
Peak		0.029	0.883		
Min		0.000	0.000		
Average		0.001	0.029		

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,06/10/2015  
Start Time:,07:53:40  
Duration (dd:hh:mm:ss):,0:07:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,31  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.089  
,Minimum:,0.052  
,Time of Minimum:,08:08:40  
,Date of Minimum:,06/10/2015  
,Maximum:,0.139  
,Time of Maximum:,12:23:40  
,Date of Maximum:,06/10/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/10/2015,08:08:40,0.052  
06/10/2015,08:23:40,0.055  
06/10/2015,08:38:40,0.058  
06/10/2015,08:53:40,0.064  
06/10/2015,09:08:40,0.071  
06/10/2015,09:23:40,0.075  
06/10/2015,09:38:40,0.082  
06/10/2015,09:53:40,0.087  
06/10/2015,10:08:40,0.093  
06/10/2015,10:23:40,0.097  
06/10/2015,10:38:40,0.101  
06/10/2015,10:53:40,0.105  
06/10/2015,11:08:40,0.110  
06/10/2015,11:23:40,0.114  
06/10/2015,11:38:40,0.117  
06/10/2015,11:53:40,0.123  
06/10/2015,12:08:40,0.133  
06/10/2015,12:23:40,0.139  
06/10/2015,12:38:40,0.129  
06/10/2015,12:53:40,0.118  
06/10/2015,13:08:40,0.113  
06/10/2015,13:23:40,0.109  
06/10/2015,13:38:40,0.094  
06/10/2015,13:53:40,0.078  
06/10/2015,14:08:40,0.063  
06/10/2015,14:23:40,0.060  
06/10/2015,14:38:40,0.058  
06/10/2015,14:53:40,0.061  
06/10/2015,15:08:40,0.062  
06/10/2015,15:23:40,0.068  
06/10/2015,15:38:40,0.072

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_A  
Start Date:,06/10/2015

6-10-15 Upwind Dust

Start Time:,12:13:13  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.137  
,Minimum:,0.132  
,Time of Minimum:,12:27:13  
,Date of Minimum:,06/10/2015  
,Maximum:,0.143  
,Time of Maximum:,12:14:13  
,Date of Maximum:,06/10/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/10/2015,12:14:13,0.143  
06/10/2015,12:15:13,0.140  
06/10/2015,12:16:13,0.140  
06/10/2015,12:17:13,0.138  
06/10/2015,12:18:13,0.139  
06/10/2015,12:19:13,0.139  
06/10/2015,12:20:13,0.139  
06/10/2015,12:21:13,0.136  
06/10/2015,12:22:13,0.136  
06/10/2015,12:23:13,0.135  
06/10/2015,12:24:13,0.136  
06/10/2015,12:25:13,0.135  
06/10/2015,12:26:13,0.133  
06/10/2015,12:27:13,0.132  
06/10/2015,12:28:13,0.132

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_B  
Start Date:,06/10/2015  
Start Time:,12:34:46  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.121  
,Minimum:,0.117  
,Time of Minimum:,12:48:46  
,Date of Minimum:,06/10/2015  
,Maximum:,0.126  
,Time of Maximum:,12:35:46  
,Date of Maximum:,06/10/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/10/2015,12:35:46,0.126  
06/10/2015,12:36:46,0.125  
06/10/2015,12:37:46,0.123

6-10-15 Upwind Dust

06/10/2015,12:38:46,0.123  
06/10/2015,12:39:46,0.122  
06/10/2015,12:40:46,0.122  
06/10/2015,12:41:46,0.122  
06/10/2015,12:42:46,0.120  
06/10/2015,12:43:46,0.120  
06/10/2015,12:44:46,0.120  
06/10/2015,12:45:46,0.120  
06/10/2015,12:46:46,0.119  
06/10/2015,12:47:46,0.118  
06/10/2015,12:48:46,0.117  
06/10/2015,12:49:46,0.117

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122518  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,06/11/2015  
Start Time:,08:18:51  
Duration (dd:hh:mm:ss):,0:06:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,25  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.028  
,Minimum:,0.022  
,Time of Minimum:,11:48:51  
,Date of Minimum:,06/11/2015  
,Maximum:,0.033  
,Time of Maximum:,09:03:51  
,Date of Maximum:,06/11/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,04/29/2015

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/11/2015,08:33:51,0.029  
06/11/2015,08:48:51,0.030  
06/11/2015,09:03:51,0.033  
06/11/2015,09:18:51,0.031  
06/11/2015,09:33:51,0.031  
06/11/2015,09:48:51,0.029  
06/11/2015,10:03:51,0.030  
06/11/2015,10:18:51,0.028  
06/11/2015,10:33:51,0.028  
06/11/2015,10:48:51,0.026  
06/11/2015,11:03:51,0.025  
06/11/2015,11:18:51,0.023  
06/11/2015,11:33:51,0.025  
06/11/2015,11:48:51,0.022  
06/11/2015,12:03:51,0.026  
06/11/2015,12:18:51,0.023  
06/11/2015,12:33:51,0.028  
06/11/2015,12:48:51,0.031  
06/11/2015,13:03:51,0.029  
06/11/2015,13:18:51,0.029  
06/11/2015,13:33:51,0.027  
06/11/2015,13:48:51,0.028  
06/11/2015,14:03:51,0.027  
06/11/2015,14:18:51,0.028  
06/11/2015,14:33:51,0.027

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122518  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_A  
Start Date:,06/11/2015  
Start Time:,12:40:13  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,



6-11-15 Downwind-1 Dust

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.032  
,Minimum:,0.025  
,Time of Minimum:,12:43:13  
,Date of Minimum:,06/11/2015  
,Maximum:,0.089  
,Time of Maximum:,12:41:13  
,Date of Maximum:,06/11/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,04/29/2015

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
06/11/2015,12:41:13,0.089  
06/11/2015,12:42:13,0.026  
06/11/2015,12:43:13,0.025  
06/11/2015,12:44:13,0.026  
06/11/2015,12:45:13,0.025  
06/11/2015,12:46:13,0.027  
06/11/2015,12:47:13,0.031  
06/11/2015,12:48:13,0.030  
06/11/2015,12:49:13,0.026  
06/11/2015,12:50:13,0.029  
06/11/2015,12:51:13,0.028  
06/11/2015,12:52:13,0.027  
06/11/2015,12:53:13,0.027  
06/11/2015,12:54:13,0.026  
06/11/2015,12:55:13,0.029

6-11-15 Downwind-1 VOC.prs

15/06/11 10:54

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-909560  
 Unit Firmware Ver V1.20  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 6/11/2015 10:54:39  
 End 6/11/2015 14:53:26  
 Sample Period(s) 900  
 Number of Records 15  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 1.000  
 High Alarm 5.000  
 Over Alarm 15000.000  
 STEL Alarm 25.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 6/11/2015 07:47  
 Peak N/A  
 Min N/A  
 Average N/A

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	6/11/2015 11:09:39	0.000	0.007
002	6/11/2015 11:24:39	0.000	0.000
003	6/11/2015 11:39:39	0.000	0.000
004	6/11/2015 11:54:39	0.000	0.000
005	6/11/2015 12:09:39	0.000	0.008
006	6/11/2015 12:24:39	0.007	0.015
007	6/11/2015 12:39:39	0.018	0.037
008	6/11/2015 12:54:39	0.048	0.063
009	6/11/2015 13:09:39	0.055	0.064
010	6/11/2015 13:24:39	0.056	0.062
011	6/11/2015 13:39:39	0.046	0.061
012	6/11/2015 13:54:39	0.037	0.045
013	6/11/2015 14:09:39	0.047	0.057
014	6/11/2015 14:24:39	0.049	0.059
015	6/11/2015 14:39:39	0.029	0.040
Peak		0.056	0.064
Min		0.000	0.000
Average		0.026	0.035

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,06/11/2015  
Start Time:,08:13:34  
Duration (dd:hh:mm:ss):,0:06:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,26  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.029  
,Minimum:,0.021  
,Time of Minimum:,11:58:34  
,Date of Minimum:,06/11/2015  
,Maximum:,0.043  
,Time of Maximum:,08:28:34  
,Date of Maximum:,06/11/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/11/2015,08:28:34,0.043  
06/11/2015,08:43:34,0.042  
06/11/2015,08:58:34,0.041  
06/11/2015,09:13:34,0.036  
06/11/2015,09:28:34,0.038  
06/11/2015,09:43:34,0.032  
06/11/2015,09:58:34,0.029  
06/11/2015,10:13:34,0.029  
06/11/2015,10:28:34,0.027  
06/11/2015,10:43:34,0.027  
06/11/2015,10:58:34,0.027  
06/11/2015,11:13:34,0.024  
06/11/2015,11:28:34,0.023  
06/11/2015,11:43:34,0.022  
06/11/2015,11:58:34,0.021  
06/11/2015,12:13:34,0.027  
06/11/2015,12:28:34,0.024  
06/11/2015,12:43:34,0.024  
06/11/2015,12:58:34,0.028  
06/11/2015,13:13:34,0.025  
06/11/2015,13:28:34,0.024  
06/11/2015,13:43:34,0.026  
06/11/2015,13:58:34,0.026  
06/11/2015,14:13:34,0.026  
06/11/2015,14:28:34,0.027  
06/11/2015,14:43:34,0.027

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_A  
Start Date:,06/11/2015  
Start Time:,11:57:43  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

6-11-15 Downwind-2 Dust

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.027  
,Minimum:,0.020  
,Time of Minimum:,12:02:43  
,Date of Minimum:,06/11/2015  
,Maximum:,0.040  
,Time of Maximum:,12:11:43  
,Date of Maximum:,06/11/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/11/2015,11:58:43,0.026  
06/11/2015,11:59:43,0.021  
06/11/2015,12:00:43,0.031  
06/11/2015,12:01:43,0.022  
06/11/2015,12:02:43,0.020  
06/11/2015,12:03:43,0.023  
06/11/2015,12:04:43,0.022  
06/11/2015,12:05:43,0.027  
06/11/2015,12:06:43,0.031  
06/11/2015,12:07:43,0.026  
06/11/2015,12:08:43,0.022  
06/11/2015,12:09:43,0.033  
06/11/2015,12:10:43,0.032  
06/11/2015,12:11:43,0.040  
06/11/2015,12:12:43,0.025

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_B  
Start Date:,06/11/2015  
Start Time:,12:43:58  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.028  
,Minimum:,0.025  
,Time of Minimum:,12:45:58  
,Date of Minimum:,06/11/2015  
,Maximum:,0.045  
,Time of Maximum:,12:54:58  
,Date of Maximum:,06/11/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/11/2015,12:44:58,0.033  
06/11/2015,12:45:58,0.025  
06/11/2015,12:46:58,0.027  
06/11/2015,12:47:58,0.025  
06/11/2015,12:48:58,0.025  
06/11/2015,12:49:58,0.025  
06/11/2015,12:50:58,0.025  
06/11/2015,12:51:58,0.025

6-11-15 Downwind-2 Dust

06/11/2015,12:52:58,0.026  
06/11/2015,12:53:58,0.026  
06/11/2015,12:54:58,0.045  
06/11/2015,12:55:58,0.027  
06/11/2015,12:56:58,0.026  
06/11/2015,12:57:58,0.026  
06/11/2015,12:58:58,0.029

6-11-15 Downwind-2 VOC.prs

15/06/11 08:30

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 6/11/2015 08:30:55  
 End 6/11/2015 15:02:29  
 Sample Period(s) 900  
 Number of Records 26  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 4.109  
 High Alarm 8.218  
 Over Alarm 15000.000  
 STEL Alarm 8.218  
 TWA Alarm 0.893  
 Measurement Gas Isobutylene  
 Calibration Time 6/11/2015 07:56  
 Peak N/A  
 Min N/A  
 Average N/A

\*\*\*\*\*

Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	6/11/2015 08:45:55	0.020	0.821
002	6/11/2015 09:00:55	0.000	0.000
003	6/11/2015 09:15:55	0.000	0.000
004	6/11/2015 09:30:55	0.000	0.000
005	6/11/2015 09:45:55	0.000	0.000
006	6/11/2015 10:00:55	0.000	0.000
007	6/11/2015 10:15:55	0.000	0.000
008	6/11/2015 10:30:55	0.000	0.000
009	6/11/2015 10:45:55	0.000	0.000
010	6/11/2015 11:00:55	0.000	0.000
011	6/11/2015 11:15:55	0.000	0.000
012	6/11/2015 11:30:55	0.000	0.000
013	6/11/2015 11:45:55	0.000	0.000
014	6/11/2015 12:00:55	0.000	0.000
015	6/11/2015 12:15:55	0.000	0.000
016	6/11/2015 12:30:55	0.000	0.000
017	6/11/2015 12:45:55	0.000	0.000
018	6/11/2015 13:00:55	0.000	0.000
019	6/11/2015 13:15:55	0.000	0.000
020	6/11/2015 13:30:55	0.000	0.000
021	6/11/2015 13:45:55	0.000	0.000
022	6/11/2015 14:00:55	0.000	0.003
023	6/11/2015 14:15:55	0.000	0.000
024	6/11/2015 14:30:55	0.000	0.005
025	6/11/2015 14:45:55	0.000	0.000

026 6/11/2015 15:00:55 6-11-15 Downwind-2 VOC.prs  
Peak 0.020 0.821 0.000 0.000  
Min 0.000 0.000  
Average 0.001 0.032

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,06/11/2015  
Start Time:,08:21:37  
Duration (dd:hh:mm:ss):,0:06:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,25  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.025  
,Minimum:,0.019  
,Time of Minimum:,11:36:37  
,Date of Minimum:,06/11/2015  
,Maximum:,0.036  
,Time of Maximum:,08:36:37  
,Date of Maximum:,06/11/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/11/2015,08:36:37,0.036  
06/11/2015,08:51:37,0.028  
06/11/2015,09:06:37,0.026  
06/11/2015,09:21:37,0.026  
06/11/2015,09:36:37,0.025  
06/11/2015,09:51:37,0.023  
06/11/2015,10:06:37,0.024  
06/11/2015,10:21:37,0.024  
06/11/2015,10:36:37,0.025  
06/11/2015,10:51:37,0.024  
06/11/2015,11:06:37,0.022  
06/11/2015,11:21:37,0.020  
06/11/2015,11:36:37,0.019  
06/11/2015,11:51:37,0.019  
06/11/2015,12:06:37,0.021  
06/11/2015,12:21:37,0.022  
06/11/2015,12:36:37,0.026  
06/11/2015,12:51:37,0.025  
06/11/2015,13:06:37,0.026  
06/11/2015,13:21:37,0.025  
06/11/2015,13:36:37,0.024  
06/11/2015,13:51:37,0.026  
06/11/2015,14:06:37,0.026  
06/11/2015,14:21:37,0.028  
06/11/2015,14:36:37,0.026

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_A  
Start Date:,06/11/2015  
Start Time:,08:21:38  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,



6-11-15 Upwind Dust

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.036  
,Minimum:,0.028  
,Time of Minimum:,08:27:38  
,Date of Minimum:,06/11/2015  
,Maximum:,0.121  
,Time of Maximum:,08:22:38  
,Date of Maximum:,06/11/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/11/2015,08:22:38,0.121  
06/11/2015,08:23:38,0.030  
06/11/2015,08:24:38,0.032  
06/11/2015,08:25:38,0.029  
06/11/2015,08:26:38,0.029  
06/11/2015,08:27:38,0.028  
06/11/2015,08:28:38,0.028  
06/11/2015,08:29:38,0.034  
06/11/2015,08:30:38,0.033  
06/11/2015,08:31:38,0.029  
06/11/2015,08:32:38,0.028  
06/11/2015,08:33:38,0.029  
06/11/2015,08:34:38,0.029  
06/11/2015,08:35:38,0.030  
06/11/2015,08:36:38,0.030

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_B  
Start Date:,06/11/2015  
Start Time:,14:15:09  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.028  
,Minimum:,0.025  
,Time of Minimum:,14:18:09  
,Date of Minimum:,06/11/2015  
,Maximum:,0.066  
,Time of Maximum:,14:16:09  
,Date of Maximum:,06/11/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/11/2015,14:16:09,0.066  
06/11/2015,14:17:09,0.028  
06/11/2015,14:18:09,0.025  
06/11/2015,14:19:09,0.025  
06/11/2015,14:20:09,0.025  
06/11/2015,14:21:09,0.025  
06/11/2015,14:22:09,0.025  
06/11/2015,14:23:09,0.025  
06/11/2015,14:24:09,0.025

6-11-15 Upwind Dust

06/11/2015,14:25:09,0.025  
06/11/2015,14:26:09,0.028  
06/11/2015,14:27:09,0.028  
06/11/2015,14:28:09,0.027  
06/11/2015,14:29:09,0.025  
06/11/2015,14:30:09,0.025

6-1-15 Downwind-1 Dust  
TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122518  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,06/01/2015  
Start Time:,07:25:43  
Duration (dd:hh:mm:ss):,0:07:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,28  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.007  
,Minimum:,0.004  
,Time of Minimum:,09:40:43  
,Date of Minimum:,06/01/2015  
,Maximum:,0.013  
,Time of Maximum:,14:25:43  
,Date of Maximum:,06/01/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,04/29/2015

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/01/2015,07:40:43,0.006  
06/01/2015,07:55:43,0.006  
06/01/2015,08:10:43,0.006  
06/01/2015,08:25:43,0.006  
06/01/2015,08:40:43,0.006  
06/01/2015,08:55:43,0.009  
06/01/2015,09:10:43,0.005  
06/01/2015,09:25:43,0.009  
06/01/2015,09:40:43,0.004  
06/01/2015,09:55:43,0.004  
06/01/2015,10:10:43,0.005  
06/01/2015,10:25:43,0.006  
06/01/2015,10:40:43,0.007  
06/01/2015,10:55:43,0.005  
06/01/2015,11:10:43,0.006  
06/01/2015,11:25:43,0.006  
06/01/2015,11:40:43,0.004  
06/01/2015,11:55:43,0.007  
06/01/2015,12:10:43,0.008  
06/01/2015,12:25:43,0.007  
06/01/2015,12:40:43,0.009  
06/01/2015,12:55:43,0.006  
06/01/2015,13:10:43,0.007  
06/01/2015,13:25:43,0.007  
06/01/2015,13:40:43,0.006  
06/01/2015,13:55:43,0.005  
06/01/2015,14:10:43,0.010  
06/01/2015,14:25:43,0.013

6-1-15 Downwind-1 VOC.prs

15/06/01 07:31

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-909560  
 Unit Firmware Ver V1.20  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 6/1/2015 07:31:47  
 End 6/1/2015 14:41:54  
 Sample Period(s) 900  
 Number of Records 28  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 1.000  
 High Alarm 5.000  
 Over Alarm 15000.000  
 STEL Alarm 25.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 6/1/2015 06:44  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	6/1/2015 07:46:47	0.003	0.132
002	6/1/2015 08:01:47	0.005	0.045
003	6/1/2015 08:16:47	0.020	0.047
004	6/1/2015 08:31:47	0.037	0.096
005	6/1/2015 08:46:47	0.049	0.067
006	6/1/2015 09:01:47	0.076	0.114
007	6/1/2015 09:16:47	0.080	0.132
008	6/1/2015 09:31:47	0.102	0.164
009	6/1/2015 09:46:47	0.097	0.122
010	6/1/2015 10:01:47	0.102	0.115
011	6/1/2015 10:16:47	0.115	0.150
012	6/1/2015 10:31:47	0.123	0.146
013	6/1/2015 10:46:47	0.129	0.158
014	6/1/2015 11:01:47	0.122	0.131
015	6/1/2015 11:16:47	0.126	0.146
016	6/1/2015 11:31:47	0.128	0.145
017	6/1/2015 11:46:47	0.128	0.140
018	6/1/2015 12:01:47	0.139	0.323
019	6/1/2015 12:16:47	0.147	0.227
020	6/1/2015 12:31:47	0.147	0.314
021	6/1/2015 12:46:47	0.157	0.400
022	6/1/2015 13:01:47	0.147	0.179
023	6/1/2015 13:16:47	0.145	0.187
024	6/1/2015 13:31:47	0.141	0.157
025	6/1/2015 13:46:47	0.142	0.156

6-1-15 Downwind-1 VOC.prs

026	6/1/2015	14:01:47	0.137	0.159
027	6/1/2015	14:16:47	0.149	0.252
028	6/1/2015	14:31:47	0.173	0.346
Peak			0.173	0.400
Min			0.003	0.045
Average			0.110	0.170

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,06/01/2015  
Start Time:,07:18:11  
Duration (dd:hh:mm:ss):,0:07:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,28  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.005  
,Minimum:,0.003  
,Time of Minimum:,09:33:11  
,Date of Minimum:,06/01/2015  
,Maximum:,0.009  
,Time of Maximum:,08:33:11  
,Date of Maximum:,06/01/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/01/2015,07:33:11,0.007  
06/01/2015,07:48:11,0.005  
06/01/2015,08:03:11,0.005  
06/01/2015,08:18:11,0.005  
06/01/2015,08:33:11,0.009  
06/01/2015,08:48:11,0.007  
06/01/2015,09:03:11,0.005  
06/01/2015,09:18:11,0.005  
06/01/2015,09:33:11,0.003  
06/01/2015,09:48:11,0.004  
06/01/2015,10:03:11,0.003  
06/01/2015,10:18:11,0.004  
06/01/2015,10:33:11,0.005  
06/01/2015,10:48:11,0.005  
06/01/2015,11:03:11,0.005  
06/01/2015,11:18:11,0.005  
06/01/2015,11:33:11,0.004  
06/01/2015,11:48:11,0.004  
06/01/2015,12:03:11,0.005  
06/01/2015,12:18:11,0.004  
06/01/2015,12:33:11,0.004  
06/01/2015,12:48:11,0.004  
06/01/2015,13:03:11,0.004  
06/01/2015,13:18:11,0.005  
06/01/2015,13:33:11,0.005  
06/01/2015,13:48:11,0.005  
06/01/2015,14:03:11,0.005  
06/01/2015,14:18:11,0.007

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,06/01/2015  
Start Time:,07:18:12  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00

6-1-15 Downwind-2 Dust

Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.007  
,Minimum:,0.004  
,Time of Minimum:,07:21:12  
,Date of Minimum:,06/01/2015  
,Maximum:,0.046  
,Time of Maximum:,07:19:12  
,Date of Maximum:,06/01/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
06/01/2015,07:19:12,0.046  
06/01/2015,07:20:12,0.005  
06/01/2015,07:21:12,0.004  
06/01/2015,07:22:12,0.005  
06/01/2015,07:23:12,0.004  
06/01/2015,07:24:12,0.005  
06/01/2015,07:25:12,0.005  
06/01/2015,07:26:12,0.005  
06/01/2015,07:27:12,0.005  
06/01/2015,07:28:12,0.005  
06/01/2015,07:29:12,0.005  
06/01/2015,07:30:12,0.005  
06/01/2015,07:31:12,0.005  
06/01/2015,07:32:12,0.005  
06/01/2015,07:33:12,0.005

15/06/01 07:33

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 6/1/2015 07:33:30  
 End 6/1/2015 14:40:57  
 Sample Period(s) 900  
 Number of Records 28  
 -----

Sensor VOC(ppm)  
 Span 43.476  
 Span 2 N/A  
 Low Alarm 9.451  
 High Alarm 18.902  
 Over Alarm 15000.000  
 STEL Alarm 18.902  
 TWA Alarm 2.054  
 Measurement Gas Isobutylene  
 Calibration Time 6/1/2015 06:52  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	6/1/2015 07:48:30	0.021	0.356
002	6/1/2015 08:03:30	0.007	0.011
003	6/1/2015 08:18:30	0.010	0.014
004	6/1/2015 08:33:30	0.012	0.015
005	6/1/2015 08:48:30	0.014	0.019
006	6/1/2015 09:03:30	0.013	0.016
007	6/1/2015 09:18:30	0.013	0.017
008	6/1/2015 09:33:30	0.015	0.023
009	6/1/2015 09:48:30	0.013	0.016
010	6/1/2015 10:03:30	0.012	0.016
011	6/1/2015 10:18:30	0.010	0.013
012	6/1/2015 10:33:30	0.008	0.013
013	6/1/2015 10:48:30	0.007	0.012
014	6/1/2015 11:03:30	0.006	0.010
015	6/1/2015 11:18:30	0.006	0.009
016	6/1/2015 11:33:30	0.004	0.009
017	6/1/2015 11:48:30	0.002	0.006
018	6/1/2015 12:03:30	0.000	0.004
019	6/1/2015 12:18:30	0.000	0.003
020	6/1/2015 12:33:30	0.000	0.000
021	6/1/2015 12:48:30	0.000	0.000
022	6/1/2015 13:03:30	0.000	0.000
023	6/1/2015 13:18:30	0.000	0.000
024	6/1/2015 13:33:30	0.000	0.000
025	6/1/2015 13:48:30	0.000	0.000



6-1-15 Downwind-2 VOC.prs

026	6/1/2015	14:03:30	0.000	0.000
027	6/1/2015	14:18:30	0.000	0.000
028	6/1/2015	14:33:30	0.000	0.000
Peak		0.021	0.356	
Min		0.000	0.000	
Average		0.006	0.021	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,06/01/2015  
Start Time:,07:12:17  
Duration (dd:hh:mm:ss):,0:06:45:00  
Log Interval (mm:ss):,15:00  
Number of points:,27  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.007  
,Minimum:,0.005  
,Time of Minimum:,09:42:17  
,Date of Minimum:,06/01/2015  
,Maximum:,0.011  
,Time of Maximum:,08:27:17  
,Date of Maximum:,06/01/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/01/2015,07:27:17,0.006  
06/01/2015,07:42:17,0.006  
06/01/2015,07:57:17,0.007  
06/01/2015,08:12:17,0.007  
06/01/2015,08:27:17,0.011  
06/01/2015,08:42:17,0.009  
06/01/2015,08:57:17,0.007  
06/01/2015,09:12:17,0.006  
06/01/2015,09:27:17,0.006  
06/01/2015,09:42:17,0.005  
06/01/2015,09:57:17,0.006  
06/01/2015,10:12:17,0.006  
06/01/2015,10:27:17,0.009  
06/01/2015,10:42:17,0.007  
06/01/2015,10:57:17,0.007  
06/01/2015,11:12:17,0.007  
06/01/2015,11:27:17,0.006  
06/01/2015,11:42:17,0.006  
06/01/2015,11:57:17,0.009  
06/01/2015,12:12:17,0.007  
06/01/2015,12:27:17,0.006  
06/01/2015,12:42:17,0.005  
06/01/2015,12:57:17,0.005  
06/01/2015,13:12:17,0.007  
06/01/2015,13:27:17,0.007  
06/01/2015,13:42:17,0.007  
06/01/2015,13:57:17,0.006

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122518  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,06/02/2015  
Start Time:,07:04:17  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.009  
,Minimum:,0.005  
,Time of Minimum:,10:34:17  
,Date of Minimum:,06/02/2015  
,Maximum:,0.018  
,Time of Maximum:,08:04:17  
,Date of Maximum:,06/02/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,04/29/2015

Date,Time,AEROSOL

MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/02/2015,07:19:17,0.015  
06/02/2015,07:34:17,0.015  
06/02/2015,07:49:17,0.017  
06/02/2015,08:04:17,0.018  
06/02/2015,08:19:17,0.016  
06/02/2015,08:34:17,0.010  
06/02/2015,08:49:17,0.008  
06/02/2015,09:04:17,0.011  
06/02/2015,09:19:17,0.012  
06/02/2015,09:34:17,0.009  
06/02/2015,09:49:17,0.006  
06/02/2015,10:04:17,0.006  
06/02/2015,10:19:17,0.006  
06/02/2015,10:34:17,0.005  
06/02/2015,10:49:17,0.005  
06/02/2015,11:04:17,0.005  
06/02/2015,11:19:17,0.006  
06/02/2015,11:34:17,0.005  
06/02/2015,11:49:17,0.005  
06/02/2015,12:04:17,0.006  
06/02/2015,12:19:17,0.007  
06/02/2015,12:34:17,0.008  
06/02/2015,12:49:17,0.007  
06/02/2015,13:04:17,0.009  
06/02/2015,13:19:17,0.009  
06/02/2015,13:34:17,0.007  
06/02/2015,13:49:17,0.007  
06/02/2015,14:04:17,0.007  
06/02/2015,14:19:17,0.007

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122518  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_A  
Start Date:,06/02/2015  
Start Time:,11:11:20  
Duration (dd:hh:mm:ss):,0:00:15:00

6-2-15 Downwind-1 Dust

Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.006  
,Minimum:,0.004  
,Time of Minimum:,11:24:20  
,Date of Minimum:,06/02/2015  
,Maximum:,0.011  
,Time of Maximum:,11:12:20  
,Date of Maximum:,06/02/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,04/29/2015

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/02/2015,11:12:20,0.011  
06/02/2015,11:13:20,0.005  
06/02/2015,11:14:20,0.005  
06/02/2015,11:15:20,0.005  
06/02/2015,11:16:20,0.005  
06/02/2015,11:17:20,0.006  
06/02/2015,11:18:20,0.006  
06/02/2015,11:19:20,0.006  
06/02/2015,11:20:20,0.006  
06/02/2015,11:21:20,0.005  
06/02/2015,11:22:20,0.005  
06/02/2015,11:23:20,0.006  
06/02/2015,11:24:20,0.004  
06/02/2015,11:25:20,0.005  
06/02/2015,11:26:20,0.004

6-2-15 Downwind-1 VOC

15/06/02 07:10

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-909560  
 Unit Firmware Ver V1.20  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 6/2/2015 07:10:23  
 End 6/2/2015 14:31:29  
 Sample Period(s) 900  
 Number of Records 29  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 1.000  
 High Alarm 5.000  
 Over Alarm 15000.000  
 STEL Alarm 25.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 6/2/2015 06:46  
 Peak N/A  
 Min N/A  
 Average N/A

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	6/2/2015 07:25:23	0.008	0.224
002	6/2/2015 07:40:23	0.021	0.033
003	6/2/2015 07:55:23	0.044	0.081
004	6/2/2015 08:10:23	0.066	0.111
005	6/2/2015 08:25:23	0.077	0.183
006	6/2/2015 08:40:23	0.072	0.086
007	6/2/2015 08:55:23	0.074	0.087
008	6/2/2015 09:10:23	0.089	0.128
009	6/2/2015 09:25:23	0.100	0.192
010	6/2/2015 09:40:23	0.098	0.122
011	6/2/2015 09:55:23	0.090	0.108
012	6/2/2015 10:10:23	0.093	0.115
013	6/2/2015 10:25:23	0.097	0.119
014	6/2/2015 10:40:23	0.095	0.105
015	6/2/2015 10:55:23	0.097	0.141
016	6/2/2015 11:10:23	0.096	0.109
017	6/2/2015 11:25:23	0.097	0.113
018	6/2/2015 11:40:23	0.094	0.102
019	6/2/2015 11:55:23	0.096	0.106
020	6/2/2015 12:10:23	0.094	0.133
021	6/2/2015 12:25:23	0.097	0.157
022	6/2/2015 12:40:23	0.104	0.171
023	6/2/2015 12:55:23	0.105	0.133
024	6/2/2015 13:10:23	0.111	0.199
025	6/2/2015 13:25:23	0.117	0.170

6-2-15 Downwind-1 VOC

026	6/2/2015	13:40:23	0.106	0.128
027	6/2/2015	13:55:23	0.108	0.147
028	6/2/2015	14:10:23	0.107	0.151
029	6/2/2015	14:25:23	0.106	0.118
Peak		0.117	0.224	
Min		0.008	0.033	
Average		0.088	0.130	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,06/02/2015  
Start Time:,06:57:37  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.007  
,Minimum:,0.003  
,Time of Minimum:,13:42:37  
,Date of Minimum:,06/02/2015  
,Maximum:,0.019  
,Time of Maximum:,07:12:37  
,Date of Maximum:,06/02/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/02/2015,07:12:37,0.019  
06/02/2015,07:27:37,0.016  
06/02/2015,07:42:37,0.015  
06/02/2015,07:57:37,0.014  
06/02/2015,08:12:37,0.012  
06/02/2015,08:27:37,0.010  
06/02/2015,08:42:37,0.009  
06/02/2015,08:57:37,0.010  
06/02/2015,09:12:37,0.010  
06/02/2015,09:27:37,0.008  
06/02/2015,09:42:37,0.006  
06/02/2015,09:57:37,0.006  
06/02/2015,10:12:37,0.005  
06/02/2015,10:27:37,0.005  
06/02/2015,10:42:37,0.006  
06/02/2015,10:57:37,0.005  
06/02/2015,11:12:37,0.005  
06/02/2015,11:27:37,0.004  
06/02/2015,11:42:37,0.004  
06/02/2015,11:57:37,0.004  
06/02/2015,12:12:37,0.005  
06/02/2015,12:27:37,0.004  
06/02/2015,12:42:37,0.005  
06/02/2015,12:57:37,0.005  
06/02/2015,13:12:37,0.004  
06/02/2015,13:27:37,0.004  
06/02/2015,13:42:37,0.003  
06/02/2015,13:57:37,0.004  
06/02/2015,14:12:37,0.004

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_A  
Start Date:,06/02/2015  
Start Time:,06:57:38  
Duration (dd:hh:mm:ss):,0:00:15:00

6-2-15 Downwind-2 Dust

Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.019  
,Minimum:,0.016  
,Time of Minimum:,07:12:38  
,Date of Minimum:,06/02/2015  
,Maximum:,0.039  
,Time of Maximum:,06:58:38  
,Date of Maximum:,06/02/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/02/2015,06:58:38,0.039  
06/02/2015,06:59:38,0.017  
06/02/2015,07:00:38,0.018  
06/02/2015,07:01:38,0.018  
06/02/2015,07:02:38,0.018  
06/02/2015,07:03:38,0.019  
06/02/2015,07:04:38,0.017  
06/02/2015,07:05:38,0.018  
06/02/2015,07:06:38,0.018  
06/02/2015,07:07:38,0.018  
06/02/2015,07:08:38,0.018  
06/02/2015,07:09:38,0.017  
06/02/2015,07:10:38,0.017  
06/02/2015,07:11:38,0.017  
06/02/2015,07:12:38,0.016



6-2-15 Downwind-2 VOC

15/06/02 07:12

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 6/2/2015 07:12:55  
 End 6/2/2015 14:42:07  
 Sample Period(s) 900  
 Number of Records 29  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 9.451  
 High Alarm 18.902  
 Over Alarm 15000.000  
 STEL Alarm 18.902  
 TWA Alarm 2.054  
 Measurement Gas Isobutylene  
 Calibration Time 6/2/2015 06:52  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	6/2/2015 07:27:55	0.020	0.728
002	6/2/2015 07:42:55	0.000	0.000
003	6/2/2015 07:57:55	0.000	0.000
004	6/2/2015 08:12:55	0.000	0.000
005	6/2/2015 08:27:55	0.000	0.000
006	6/2/2015 08:42:55	0.000	0.000
007	6/2/2015 08:57:55	0.000	0.000
008	6/2/2015 09:12:55	0.000	0.000
009	6/2/2015 09:27:55	0.000	0.000
010	6/2/2015 09:42:55	0.000	0.000
011	6/2/2015 09:57:55	0.000	0.000
012	6/2/2015 10:12:55	0.000	0.000
013	6/2/2015 10:27:55	0.000	0.000
014	6/2/2015 10:42:55	0.000	0.000
015	6/2/2015 10:57:55	0.000	0.000
016	6/2/2015 11:12:55	0.000	0.000
017	6/2/2015 11:27:55	0.000	0.000
018	6/2/2015 11:42:55	0.000	0.000
019	6/2/2015 11:57:55	0.000	0.000
020	6/2/2015 12:12:55	0.000	0.000
021	6/2/2015 12:27:55	0.000	0.000
022	6/2/2015 12:42:55	0.000	0.000
023	6/2/2015 12:57:55	0.000	0.000
024	6/2/2015 13:12:55	0.000	0.000
025	6/2/2015 13:27:55	0.000	0.000

			6-2-15 Downwind-2 VOC	
026	6/2/2015	13:42:55	0.000	0.000
027	6/2/2015	13:57:55	0.000	0.000
028	6/2/2015	14:12:55	0.000	0.000
029	6/2/2015	14:27:55	0.000	0.000
Peak		0.020	0.728	
Min		0.000	0.000	
Average		0.001	0.025	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,06/02/2015  
Start Time:,07:05:05  
Duration (dd:hh:mm:ss):,0:07:30:00  
Log Interval (mm:ss):,15:00  
Number of points:,30  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.007  
,Minimum:,0.003  
,Time of Minimum:,13:20:05  
,Date of Minimum:,06/02/2015  
,Maximum:,0.018  
,Time of Maximum:,07:35:05  
,Date of Maximum:,06/02/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/02/2015,07:20:05,0.017  
06/02/2015,07:35:05,0.018  
06/02/2015,07:50:05,0.015  
06/02/2015,08:05:05,0.016  
06/02/2015,08:20:05,0.011  
06/02/2015,08:35:05,0.010  
06/02/2015,08:50:05,0.010  
06/02/2015,09:05:05,0.011  
06/02/2015,09:20:05,0.010  
06/02/2015,09:35:05,0.007  
06/02/2015,09:50:05,0.006  
06/02/2015,10:05:05,0.006  
06/02/2015,10:20:05,0.005  
06/02/2015,10:35:05,0.006  
06/02/2015,10:50:05,0.005  
06/02/2015,11:05:05,0.005  
06/02/2015,11:20:05,0.005  
06/02/2015,11:35:05,0.004  
06/02/2015,11:50:05,0.004  
06/02/2015,12:05:05,0.004  
06/02/2015,12:20:05,0.005  
06/02/2015,12:35:05,0.004  
06/02/2015,12:50:05,0.004  
06/02/2015,13:05:05,0.004  
06/02/2015,13:20:05,0.003  
06/02/2015,13:35:05,0.003  
06/02/2015,13:50:05,0.003  
06/02/2015,14:05:05,0.003  
06/02/2015,14:20:05,0.003  
06/02/2015,14:35:05,0.003

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122518  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,06/03/2015  
Start Time:,07:06:02  
Duration (dd:hh:mm:ss):,0:07:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,28  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.006  
,Minimum:,0.005  
,Time of Minimum:,08:51:02  
,Date of Minimum:,06/03/2015  
,Maximum:,0.009  
,Time of Maximum:,07:21:02  
,Date of Maximum:,06/03/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,04/29/2015

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/03/2015,07:21:02,0.009  
06/03/2015,07:36:02,0.008  
06/03/2015,07:51:02,0.008  
06/03/2015,08:06:02,0.007  
06/03/2015,08:21:02,0.007  
06/03/2015,08:36:02,0.006  
06/03/2015,08:51:02,0.005  
06/03/2015,09:06:02,0.006  
06/03/2015,09:21:02,0.005  
06/03/2015,09:36:02,0.006  
06/03/2015,09:51:02,0.006  
06/03/2015,10:06:02,0.006  
06/03/2015,10:21:02,0.006  
06/03/2015,10:36:02,0.005  
06/03/2015,10:51:02,0.005  
06/03/2015,11:06:02,0.008  
06/03/2015,11:21:02,0.005  
06/03/2015,11:36:02,0.006  
06/03/2015,11:51:02,0.008  
06/03/2015,12:06:02,0.008  
06/03/2015,12:21:02,0.008  
06/03/2015,12:36:02,0.007  
06/03/2015,12:51:02,0.007  
06/03/2015,13:06:02,0.006  
06/03/2015,13:21:02,0.006  
06/03/2015,13:36:02,0.006  
06/03/2015,13:51:02,0.005  
06/03/2015,14:06:02,0.006

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122518  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_A  
Start Date:,06/03/2015  
Start Time:,12:12:37  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00

6-3-15 Downwind-1 Dust

Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.007  
,Minimum:,0.005  
,Time of Minimum:,12:18:37  
,Date of Minimum:,06/03/2015  
,Maximum:,0.012  
,Time of Maximum:,12:13:37  
,Date of Maximum:,06/03/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,04/29/2015

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
06/03/2015,12:13:37,0.012  
06/03/2015,12:14:37,0.009  
06/03/2015,12:15:37,0.009  
06/03/2015,12:16:37,0.009  
06/03/2015,12:17:37,0.008  
06/03/2015,12:18:37,0.005  
06/03/2015,12:19:37,0.006  
06/03/2015,12:20:37,0.005  
06/03/2015,12:21:37,0.006  
06/03/2015,12:22:37,0.006  
06/03/2015,12:23:37,0.006  
06/03/2015,12:24:37,0.006  
06/03/2015,12:25:37,0.005  
06/03/2015,12:26:37,0.005  
06/03/2015,12:27:37,0.006

6-3-15 Downwind-1 VOC

15/06/03 07:12

\*\*\*\*\*

Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-909560  
 Unit Firmware Ver V1.20  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 6/3/2015 07:12:27  
 End 6/3/2015 14:23:39  
 Sample Period(s) 900  
 Number of Records 28  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 1.000  
 High Alarm 5.000  
 Over Alarm 15000.000  
 STEL Alarm 25.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 6/3/2015 06:45  
 Peak N/A  
 Min N/A  
 Average N/A

\*\*\*\*\*

Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	6/3/2015 07:27:27	0.036	0.142
002	6/3/2015 07:42:27	0.044	0.051
003	6/3/2015 07:57:27	0.056	0.065
004	6/3/2015 08:12:27	0.078	0.096
005	6/3/2015 08:27:27	0.111	0.130
006	6/3/2015 08:42:27	0.145	0.163
007	6/3/2015 08:57:27	0.173	0.199
008	6/3/2015 09:12:27	0.197	0.245
009	6/3/2015 09:27:27	0.211	0.219
010	6/3/2015 09:42:27	0.214	0.223
011	6/3/2015 09:57:27	0.216	0.226
012	6/3/2015 10:12:27	0.232	0.241
013	6/3/2015 10:27:27	0.240	0.248
014	6/3/2015 10:42:27	0.220	0.237
015	6/3/2015 10:57:27	0.177	0.203
016	6/3/2015 11:12:27	0.141	0.195
017	6/3/2015 11:27:27	0.134	0.152
018	6/3/2015 11:42:27	0.164	0.185
019	6/3/2015 11:57:27	0.155	0.242
020	6/3/2015 12:12:27	0.141	0.276
021	6/3/2015 12:27:27	0.138	0.178
022	6/3/2015 12:42:27	0.152	0.190
023	6/3/2015 12:57:27	0.208	0.267
024	6/3/2015 13:12:27	0.234	0.271
025	6/3/2015 13:27:27	0.182	0.224

6-3-15 Downwind-1 VOC				
026	6/3/2015	13:42:27	0.132	0.175
027	6/3/2015	13:57:27	0.099	0.116
028	6/3/2015	14:12:27	0.094	0.128
Peak		0.240	0.276	
Min		0.036	0.051	
Average		0.154	0.189	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,06/03/2015  
Start Time:,07:05:36  
Duration (dd:hh:mm:ss):,0:07:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,28  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.005  
,Minimum:,0.001  
,Time of Minimum:,10:20:36  
,Date of Minimum:,06/03/2015  
,Maximum:,0.030  
,Time of Maximum:,07:20:36  
,Date of Maximum:,06/03/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/03/2015,07:20:36,0.030  
06/03/2015,07:35:36,0.009  
06/03/2015,07:50:36,0.010  
06/03/2015,08:05:36,0.009  
06/03/2015,08:20:36,0.008  
06/03/2015,08:35:36,0.006  
06/03/2015,08:50:36,0.006  
06/03/2015,09:05:36,0.006  
06/03/2015,09:20:36,0.003  
06/03/2015,09:35:36,0.003  
06/03/2015,09:50:36,0.002  
06/03/2015,10:05:36,0.005  
06/03/2015,10:20:36,0.001  
06/03/2015,10:35:36,0.001  
06/03/2015,10:50:36,0.002  
06/03/2015,11:05:36,0.001  
06/03/2015,11:20:36,0.001  
06/03/2015,11:35:36,0.001  
06/03/2015,11:50:36,0.002  
06/03/2015,12:05:36,0.005  
06/03/2015,12:20:36,0.001  
06/03/2015,12:35:36,0.003  
06/03/2015,12:50:36,0.002  
06/03/2015,13:05:36,0.002  
06/03/2015,13:20:36,0.004  
06/03/2015,13:35:36,0.003  
06/03/2015,13:50:36,0.002  
06/03/2015,14:05:36,0.003

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_A  
Start Date:,06/03/2015  
Start Time:,07:05:37  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00



6-3-15 Downwind-2 Dust

Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.030  
,Minimum:,0.009  
,Time of Minimum:,07:07:37  
,Date of Minimum:,06/03/2015  
,Maximum:,0.285  
,Time of Maximum:,07:06:37  
,Date of Maximum:,06/03/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/03/2015,07:06:37,0.285  
06/03/2015,07:07:37,0.009  
06/03/2015,07:08:37,0.010  
06/03/2015,07:09:37,0.011  
06/03/2015,07:10:37,0.039  
06/03/2015,07:11:37,0.011  
06/03/2015,07:12:37,0.009  
06/03/2015,07:13:37,0.009  
06/03/2015,07:14:37,0.009  
06/03/2015,07:15:37,0.010  
06/03/2015,07:16:37,0.009  
06/03/2015,07:17:37,0.009  
06/03/2015,07:18:37,0.009  
06/03/2015,07:19:37,0.009  
06/03/2015,07:20:37,0.009

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,003  
Test Abbreviation:,MANUAL\_003\_B  
Start Date:,06/03/2015  
Start Time:,10:01:16  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.002  
,Minimum:,0.001  
,Time of Minimum:,10:03:16  
,Date of Minimum:,06/03/2015  
,Maximum:,0.015  
,Time of Maximum:,10:02:16  
,Date of Maximum:,06/03/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/03/2015,10:02:16,0.015  
06/03/2015,10:03:16,0.001  
06/03/2015,10:04:16,0.001  
06/03/2015,10:05:16,0.001  
06/03/2015,10:06:16,0.002  
06/03/2015,10:07:16,0.001

6-3-15 Downwind-2 Dust

06/03/2015,10:08:16,0.001  
06/03/2015,10:09:16,0.001  
06/03/2015,10:10:16,0.001  
06/03/2015,10:11:16,0.001  
06/03/2015,10:12:16,0.001  
06/03/2015,10:13:16,0.001  
06/03/2015,10:14:16,0.003  
06/03/2015,10:15:16,0.001  
06/03/2015,10:16:16,0.001

6-3-15 Downwind-2 VOC

15/06/03 07:21

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 6/3/2015 07:21:23  
 End 6/3/2015 14:33:11  
 Sample Period(s) 900  
 Number of Records 28  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 9.451  
 High Alarm 18.902  
 Over Alarm 15000.000  
 STEL Alarm 18.902  
 TWA Alarm 2.054  
 Measurement Gas Isobutylene  
 Calibration Time 6/3/2015 06:53  
 Peak N/A  
 Min N/A  
 Average N/A

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	6/3/2015 07:36:23	0.040	0.688
002	6/3/2015 07:51:23	0.002	0.009
003	6/3/2015 08:06:23	0.000	0.000
004	6/3/2015 08:21:23	0.000	0.000
005	6/3/2015 08:36:23	0.000	0.000
006	6/3/2015 08:51:23	0.000	0.000
007	6/3/2015 09:06:23	0.000	0.000
008	6/3/2015 09:21:23	0.000	0.000
009	6/3/2015 09:36:23	0.000	0.000
010	6/3/2015 09:51:23	0.000	0.000
011	6/3/2015 10:06:23	0.000	0.000
012	6/3/2015 10:21:23	0.000	0.000
013	6/3/2015 10:36:23	0.000	0.006
014	6/3/2015 10:51:23	0.006	0.013
015	6/3/2015 11:06:23	0.000	0.000
016	6/3/2015 11:21:23	0.000	0.000
017	6/3/2015 11:36:23	0.009	0.026
018	6/3/2015 11:51:23	0.037	0.056
019	6/3/2015 12:06:23	0.053	0.068
020	6/3/2015 12:21:23	0.025	0.065
021	6/3/2015 12:36:23	0.000	0.000
022	6/3/2015 12:51:23	0.000	0.000
023	6/3/2015 13:06:23	0.000	0.000
024	6/3/2015 13:21:23	0.000	0.000
025	6/3/2015 13:36:23	0.000	0.000

			6-3-15 Downwind-2 VOC	
026	6/3/2015	13:51:23	0.000	0.000
027	6/3/2015	14:06:23	0.000	0.000
028	6/3/2015	14:21:23	0.000	0.000
Peak		0.053	0.688	
Min		0.000	0.000	
Average		0.006	0.033	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,06/03/2015  
Start Time:,07:13:51  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.005  
,Minimum:,0.002  
,Time of Minimum:,13:58:51  
,Date of Minimum:,06/03/2015  
,Maximum:,0.009  
,Time of Maximum:,07:28:51  
,Date of Maximum:,06/03/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/03/2015,07:28:51,0.009  
06/03/2015,07:43:51,0.009  
06/03/2015,07:58:51,0.009  
06/03/2015,08:13:51,0.008  
06/03/2015,08:28:51,0.007  
06/03/2015,08:43:51,0.006  
06/03/2015,08:58:51,0.005  
06/03/2015,09:13:51,0.005  
06/03/2015,09:28:51,0.005  
06/03/2015,09:43:51,0.005  
06/03/2015,09:58:51,0.005  
06/03/2015,10:13:51,0.005  
06/03/2015,10:28:51,0.005  
06/03/2015,10:43:51,0.005  
06/03/2015,10:58:51,0.004  
06/03/2015,11:13:51,0.004  
06/03/2015,11:28:51,0.004  
06/03/2015,11:43:51,0.004  
06/03/2015,11:58:51,0.004  
06/03/2015,12:13:51,0.003  
06/03/2015,12:28:51,0.003  
06/03/2015,12:43:51,0.003  
06/03/2015,12:58:51,0.003  
06/03/2015,13:13:51,0.003  
06/03/2015,13:28:51,0.003  
06/03/2015,13:43:51,0.003  
06/03/2015,13:58:51,0.002  
06/03/2015,14:13:51,0.002  
06/03/2015,14:28:51,0.002

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122518  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,06/04/2015  
Start Time:,06:59:53  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.029  
,Minimum:,0.015  
,Time of Minimum:,07:14:53  
,Date of Minimum:,06/04/2015  
,Maximum:,0.036  
,Time of Maximum:,13:29:53  
,Date of Maximum:,06/04/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,04/29/2015

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/04/2015,07:14:53,0.015  
06/04/2015,07:29:53,0.015  
06/04/2015,07:44:53,0.030  
06/04/2015,07:59:53,0.035  
06/04/2015,08:14:53,0.029  
06/04/2015,08:29:53,0.031  
06/04/2015,08:44:53,0.029  
06/04/2015,08:59:53,0.029  
06/04/2015,09:14:53,0.031  
06/04/2015,09:29:53,0.032  
06/04/2015,09:44:53,0.031  
06/04/2015,09:59:53,0.028  
06/04/2015,10:14:53,0.027  
06/04/2015,10:29:53,0.030  
06/04/2015,10:44:53,0.025  
06/04/2015,10:59:53,0.027  
06/04/2015,11:14:53,0.028  
06/04/2015,11:29:53,0.027  
06/04/2015,11:44:53,0.028  
06/04/2015,11:59:53,0.028  
06/04/2015,12:14:53,0.026  
06/04/2015,12:29:53,0.032  
06/04/2015,12:44:53,0.028  
06/04/2015,12:59:53,0.030  
06/04/2015,13:14:53,0.029  
06/04/2015,13:29:53,0.036  
06/04/2015,13:44:53,0.032  
06/04/2015,13:59:53,0.029  
06/04/2015,14:14:53,0.030

6-4-15 Downwind-1 VOC

15/06/04 07:06

\*\*\*\*\*

Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-909560  
 Unit Firmware Ver V1.20  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 6/4/2015 07:06:46  
 End 6/4/2015 14:30:48  
 Sample Period(s) 900  
 Number of Records 29  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 1.000  
 High Alarm 5.000  
 Over Alarm 15000.000  
 STEL Alarm 25.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 6/4/2015 06:46  
 Peak N/A  
 Min N/A  
 Average N/A

\*\*\*\*\*

Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	6/4/2015 07:21:46	0.025	0.107
002	6/4/2015 07:36:46	0.037	0.049
003	6/4/2015 07:51:46	0.073	0.194
004	6/4/2015 08:06:46	0.125	0.201
005	6/4/2015 08:21:46	0.129	0.225
006	6/4/2015 08:36:46	0.131	0.212
007	6/4/2015 08:51:46	0.121	0.164
008	6/4/2015 09:06:46	0.119	0.213
009	6/4/2015 09:21:46	0.143	0.275
010	6/4/2015 09:36:46	0.142	0.212
011	6/4/2015 09:51:46	0.122	0.158
012	6/4/2015 10:06:46	0.118	0.163
013	6/4/2015 10:21:46	0.128	0.196
014	6/4/2015 10:36:46	0.145	0.191
015	6/4/2015 10:51:46	0.135	0.200
016	6/4/2015 11:06:46	0.135	0.160
017	6/4/2015 11:21:46	0.132	0.159
018	6/4/2015 11:36:46	0.140	0.264
019	6/4/2015 11:51:46	0.145	0.199
020	6/4/2015 12:06:46	0.144	0.237
021	6/4/2015 12:21:46	0.137	0.190
022	6/4/2015 12:36:46	0.162	0.284
023	6/4/2015 12:51:46	0.149	0.170
024	6/4/2015 13:06:46	0.161	0.207
025	6/4/2015 13:21:46	0.188	0.213

			6-4-15 Downwind-1 VOC	
026	6/4/2015 13:36:46		0.226	0.349
027	6/4/2015 13:51:46		0.168	0.188
028	6/4/2015 14:06:46		0.150	0.159
029	6/4/2015 14:21:46		0.138	0.145
Peak		0.226	0.349	
Min		0.025	0.049	
Average		0.133	0.196	



## TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,06/04/2015  
Start Time:,07:00:14  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.029  
,Minimum:,0.020  
,Time of Minimum:,07:30:14  
,Date of Minimum:,06/04/2015  
,Maximum:,0.043  
,Time of Maximum:,07:45:14  
,Date of Maximum:,06/04/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL

MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/04/2015,07:15:14,0.029  
06/04/2015,07:30:14,0.020  
06/04/2015,07:45:14,0.043  
06/04/2015,08:00:14,0.031  
06/04/2015,08:15:14,0.027  
06/04/2015,08:30:14,0.031  
06/04/2015,08:45:14,0.027  
06/04/2015,09:00:14,0.027  
06/04/2015,09:15:14,0.030  
06/04/2015,09:30:14,0.032  
06/04/2015,09:45:14,0.032  
06/04/2015,10:00:14,0.029  
06/04/2015,10:15:14,0.028  
06/04/2015,10:30:14,0.028  
06/04/2015,10:45:14,0.027  
06/04/2015,11:00:14,0.026  
06/04/2015,11:15:14,0.027  
06/04/2015,11:30:14,0.028  
06/04/2015,11:45:14,0.028  
06/04/2015,12:00:14,0.026  
06/04/2015,12:15:14,0.028  
06/04/2015,12:30:14,0.030  
06/04/2015,12:45:14,0.029  
06/04/2015,13:00:14,0.028  
06/04/2015,13:15:14,0.029  
06/04/2015,13:30:14,0.032  
06/04/2015,13:45:14,0.031  
06/04/2015,14:00:14,0.028  
06/04/2015,14:15:14,0.029

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_A  
Start Date:,06/04/2015  
Start Time:,07:00:15  
Duration (dd:hh:mm:ss):,0:00:15:00

6-4-15 Downwind-2 Dust

Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.029  
,Minimum:,0.018  
,Time of Minimum:,07:04:15  
,Date of Minimum:,06/04/2015  
,Maximum:,0.152  
,Time of Maximum:,07:01:15  
,Date of Maximum:,06/04/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/04/2015,07:01:15,0.152  
06/04/2015,07:02:15,0.021  
06/04/2015,07:03:15,0.023  
06/04/2015,07:04:15,0.018  
06/04/2015,07:05:15,0.018  
06/04/2015,07:06:15,0.020  
06/04/2015,07:07:15,0.020  
06/04/2015,07:08:15,0.021  
06/04/2015,07:09:15,0.019  
06/04/2015,07:10:15,0.018  
06/04/2015,07:11:15,0.019  
06/04/2015,07:12:15,0.019  
06/04/2015,07:13:15,0.022  
06/04/2015,07:14:15,0.022  
06/04/2015,07:15:15,0.020

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_B  
Start Date:,06/04/2015  
Start Time:,07:30:39  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.043  
,Minimum:,0.030  
,Time of Minimum:,07:38:39  
,Date of Minimum:,06/04/2015  
,Maximum:,0.066  
,Time of Maximum:,07:39:39  
,Date of Maximum:,06/04/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/04/2015,07:31:39,0.038  
06/04/2015,07:32:39,0.040  
06/04/2015,07:33:39,0.052  
06/04/2015,07:34:39,0.042  
06/04/2015,07:35:39,0.032

6-4-15 Downwind-2 Dust

06/04/2015,07:36:39,0.033  
06/04/2015,07:37:39,0.036  
06/04/2015,07:38:39,0.030  
06/04/2015,07:39:39,0.066  
06/04/2015,07:40:39,0.049  
06/04/2015,07:41:39,0.045  
06/04/2015,07:42:39,0.038  
06/04/2015,07:43:39,0.045  
06/04/2015,07:44:39,0.060  
06/04/2015,07:45:39,0.042

6-4-15 Downwind-2 VOC

15/06/04 07:16

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 6/4/2015 07:16:03  
 End 6/4/2015 14:40:31  
 Sample Period(s) 900  
 Number of Records 29  
 -----

Sensor VOC(ppm)  
 Span 43.476  
 Span 2 N/A  
 Low Alarm 4.109  
 High Alarm 8.218  
 Over Alarm 15000.000  
 STEL Alarm 8.218  
 TWA Alarm 0.893  
 Measurement Gas Isobutylene  
 Calibration Time 6/4/2015 06:54  
 Peak N/A  
 Min N/A  
 Average N/A

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	6/4/2015 07:31:03	0.048	0.668
002	6/4/2015 07:46:03	0.011	0.020
003	6/4/2015 08:01:03	0.019	0.037
004	6/4/2015 08:16:03	0.021	0.034
005	6/4/2015 08:31:03	0.010	0.029
006	6/4/2015 08:46:03	0.003	0.018
007	6/4/2015 09:01:03	0.000	0.006
008	6/4/2015 09:16:03	0.000	0.003
009	6/4/2015 09:31:03	0.000	0.000
010	6/4/2015 09:46:03	0.000	0.000
011	6/4/2015 10:01:03	0.000	0.000
012	6/4/2015 10:16:03	0.000	0.000
013	6/4/2015 10:31:03	0.000	0.000
014	6/4/2015 10:46:03	0.000	0.000
015	6/4/2015 11:01:03	0.000	0.000
016	6/4/2015 11:16:03	0.000	0.000
017	6/4/2015 11:31:03	0.000	0.000
018	6/4/2015 11:46:03	0.000	0.000
019	6/4/2015 12:01:03	0.000	0.000
020	6/4/2015 12:16:03	0.000	0.000
021	6/4/2015 12:31:03	0.000	0.000
022	6/4/2015 12:46:03	0.000	0.000
023	6/4/2015 13:01:03	0.000	0.000
024	6/4/2015 13:16:03	0.000	0.000
025	6/4/2015 13:31:03	0.000	0.000

			6-4-15 Downwind-2 VOC	
026	6/4/2015	13:46:03	0.000	0.000
027	6/4/2015	14:01:03	0.000	0.000
028	6/4/2015	14:16:03	0.000	0.000
029	6/4/2015	14:31:03	0.000	0.000
Peak		0.048	0.668	
Min		0.000	0.000	
Average		0.004	0.028	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,004  
Test Abbreviation:,MANUAL\_004  
Start Date:,06/04/2015  
Start Time:,07:11:59  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.027  
,Minimum:,0.016  
,Time of Minimum:,07:41:59  
,Date of Minimum:,06/04/2015  
,Maximum:,0.033  
,Time of Maximum:,14:26:59  
,Date of Maximum:,06/04/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/04/2015,07:26:59,0.018  
06/04/2015,07:41:59,0.016  
06/04/2015,07:56:59,0.016  
06/04/2015,08:11:59,0.016  
06/04/2015,08:26:59,0.021  
06/04/2015,08:41:59,0.025  
06/04/2015,08:56:59,0.026  
06/04/2015,09:11:59,0.025  
06/04/2015,09:26:59,0.029  
06/04/2015,09:41:59,0.031  
06/04/2015,09:56:59,0.029  
06/04/2015,10:11:59,0.028  
06/04/2015,10:26:59,0.028  
06/04/2015,10:41:59,0.024  
06/04/2015,10:56:59,0.026  
06/04/2015,11:11:59,0.027  
06/04/2015,11:26:59,0.028  
06/04/2015,11:41:59,0.026  
06/04/2015,11:56:59,0.027  
06/04/2015,12:11:59,0.027  
06/04/2015,12:26:59,0.030  
06/04/2015,12:41:59,0.030  
06/04/2015,12:56:59,0.031  
06/04/2015,13:11:59,0.030  
06/04/2015,13:26:59,0.031  
06/04/2015,13:41:59,0.032  
06/04/2015,13:56:59,0.032  
06/04/2015,14:11:59,0.032  
06/04/2015,14:26:59,0.033

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,004  
Test Abbreviation:,MANUAL\_004\_A  
Start Date:,06/04/2015  
Start Time:,07:12:02  
Duration (dd:hh:mm:ss):,0:00:15:00

6-4-15 Upwind Dust

Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.017  
,Minimum:,0.014  
,Time of Minimum:,07:14:02  
,Date of Minimum:,06/04/2015  
,Maximum:,0.048  
,Time of Maximum:,07:13:02  
,Date of Maximum:,06/04/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/04/2015,07:13:02,0.048  
06/04/2015,07:14:02,0.014  
06/04/2015,07:15:02,0.015  
06/04/2015,07:16:02,0.015  
06/04/2015,07:17:02,0.015  
06/04/2015,07:18:02,0.015  
06/04/2015,07:19:02,0.015  
06/04/2015,07:20:02,0.015  
06/04/2015,07:21:02,0.016  
06/04/2015,07:22:02,0.015  
06/04/2015,07:23:02,0.015  
06/04/2015,07:24:02,0.016  
06/04/2015,07:25:02,0.016  
06/04/2015,07:26:02,0.016  
06/04/2015,07:27:02,0.017

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530122518  
Test ID: ,005  
Test Abbreviation: ,MANUAL\_005  
Start Date: ,06/05/2015  
Start Time: ,07:01:09  
Duration (dd:hh:mm:ss): ,0:07:15:00  
Log Interval (mm:ss): ,15:00  
Number of points: ,29  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.026  
,Minimum: ,0.022  
,Time of Minimum: ,11:46:09  
,Date of Minimum: ,06/05/2015  
,Maximum: ,0.037  
,Time of Maximum: ,08:16:09  
,Date of Maximum: ,06/05/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,04/29/2015

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/05/2015,07:16:09,0.023  
06/05/2015,07:31:09,0.026  
06/05/2015,07:46:09,0.023  
06/05/2015,08:01:09,0.032  
06/05/2015,08:16:09,0.037  
06/05/2015,08:31:09,0.035  
06/05/2015,08:46:09,0.035  
06/05/2015,09:01:09,0.031  
06/05/2015,09:16:09,0.026  
06/05/2015,09:31:09,0.025  
06/05/2015,09:46:09,0.026  
06/05/2015,10:01:09,0.024  
06/05/2015,10:16:09,0.024  
06/05/2015,10:31:09,0.024  
06/05/2015,10:46:09,0.024  
06/05/2015,11:01:09,0.023  
06/05/2015,11:16:09,0.023  
06/05/2015,11:31:09,0.023  
06/05/2015,11:46:09,0.022  
06/05/2015,12:01:09,0.024  
06/05/2015,12:16:09,0.026  
06/05/2015,12:31:09,0.024  
06/05/2015,12:46:09,0.024  
06/05/2015,13:01:09,0.024  
06/05/2015,13:16:09,0.022  
06/05/2015,13:31:09,0.023  
06/05/2015,13:46:09,0.024  
06/05/2015,14:01:09,0.024  
06/05/2015,14:16:09,0.022



6-5-15 Downwind-1 VOC

15/06/05 07:07

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-909560  
 Unit Firmware Ver V1.20  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 6/5/2015 07:07:42  
 End 6/5/2015 14:32:05  
 Sample Period(s) 900  
 Number of Records 29  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 1.000  
 High Alarm 5.000  
 Over Alarm 15000.000  
 STEL Alarm 25.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 6/5/2015 06:48  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	6/5/2015 07:22:42	0.022	0.122
002	6/5/2015 07:37:42	0.034	0.045
003	6/5/2015 07:52:42	0.046	0.057
004	6/5/2015 08:07:42	0.063	0.088
005	6/5/2015 08:22:42	0.085	0.127
006	6/5/2015 08:37:42	0.103	0.144
007	6/5/2015 08:52:42	0.119	0.148
008	6/5/2015 09:07:42	0.124	0.144
009	6/5/2015 09:22:42	0.135	0.167
010	6/5/2015 09:37:42	0.146	0.172
011	6/5/2015 09:52:42	0.153	0.193
012	6/5/2015 10:07:42	0.150	0.173
013	6/5/2015 10:22:42	0.151	0.167
014	6/5/2015 10:37:42	0.149	0.162
015	6/5/2015 10:52:42	0.155	0.176
016	6/5/2015 11:07:42	0.153	0.169
017	6/5/2015 11:22:42	0.158	0.175
018	6/5/2015 11:37:42	0.161	0.176
019	6/5/2015 11:52:42	0.163	0.185
020	6/5/2015 12:07:42	0.166	0.207
021	6/5/2015 12:22:42	0.169	0.201
022	6/5/2015 12:37:42	0.168	0.198
023	6/5/2015 12:52:42	0.167	0.206
024	6/5/2015 13:07:42	0.172	0.190
025	6/5/2015 13:22:42	0.165	0.188

6-5-15 Downwind-1 VOC				
026	6/5/2015	13:37:42	0.169	0.186
027	6/5/2015	13:52:42	0.174	0.211
028	6/5/2015	14:07:42	0.169	0.187
029	6/5/2015	14:22:42	0.165	0.189
Peak		0.174	0.211	
Min		0.022	0.045	
Average		0.136	0.164	

## TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,005  
Test Abbreviation:,MANUAL\_005  
Start Date:,06/05/2015  
Start Time:,06:56:18  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.027  
,Minimum:,0.019  
,Time of Minimum:,14:11:18  
,Date of Minimum:,06/05/2015  
,Maximum:,0.044  
,Time of Maximum:,08:26:18  
,Date of Maximum:,06/05/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL

MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/05/2015,07:11:18,0.033  
06/05/2015,07:26:18,0.027  
06/05/2015,07:41:18,0.025  
06/05/2015,07:56:18,0.031  
06/05/2015,08:11:18,0.043  
06/05/2015,08:26:18,0.044  
06/05/2015,08:41:18,0.043  
06/05/2015,08:56:18,0.037  
06/05/2015,09:11:18,0.033  
06/05/2015,09:26:18,0.029  
06/05/2015,09:41:18,0.025  
06/05/2015,09:56:18,0.024  
06/05/2015,10:11:18,0.025  
06/05/2015,10:26:18,0.022  
06/05/2015,10:41:18,0.026  
06/05/2015,10:56:18,0.024  
06/05/2015,11:11:18,0.025  
06/05/2015,11:26:18,0.023  
06/05/2015,11:41:18,0.026  
06/05/2015,11:56:18,0.025  
06/05/2015,12:11:18,0.026  
06/05/2015,12:26:18,0.024  
06/05/2015,12:41:18,0.022  
06/05/2015,12:56:18,0.023  
06/05/2015,13:11:18,0.020  
06/05/2015,13:26:18,0.022  
06/05/2015,13:41:18,0.022  
06/05/2015,13:56:18,0.022  
06/05/2015,14:11:18,0.019

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_A  
Start Date:,06/05/2015  
Start Time:,06:56:19  
Duration (dd:hh:mm:ss):,0:00:15:00

6-5-15 Downwind-2 Dust

Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.033  
,Minimum:,0.019  
,Time of Minimum:,06:58:19  
,Date of Minimum:,06/05/2015  
,Maximum:,0.191  
,Time of Maximum:,06:57:19  
,Date of Maximum:,06/05/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/05/2015,06:57:19,0.191  
06/05/2015,06:58:19,0.019  
06/05/2015,06:59:19,0.019  
06/05/2015,07:00:19,0.022  
06/05/2015,07:01:19,0.020  
06/05/2015,07:02:19,0.019  
06/05/2015,07:03:19,0.019  
06/05/2015,07:04:19,0.019  
06/05/2015,07:05:19,0.021  
06/05/2015,07:06:19,0.019  
06/05/2015,07:07:19,0.022  
06/05/2015,07:08:19,0.022  
06/05/2015,07:09:19,0.029  
06/05/2015,07:10:19,0.022  
06/05/2015,07:11:19,0.024

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_B  
Start Date:,06/05/2015  
Start Time:,08:15:41  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.045  
,Minimum:,0.027  
,Time of Minimum:,08:18:41  
,Date of Minimum:,06/05/2015  
,Maximum:,0.071  
,Time of Maximum:,08:29:41  
,Date of Maximum:,06/05/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/05/2015,08:16:41,0.054  
06/05/2015,08:17:41,0.056  
06/05/2015,08:18:41,0.027  
06/05/2015,08:19:41,0.035  
06/05/2015,08:20:41,0.036

6-5-15 Downwind-2 Dust

06/05/2015,08:21:41,0.044  
06/05/2015,08:22:41,0.035  
06/05/2015,08:23:41,0.037  
06/05/2015,08:24:41,0.032  
06/05/2015,08:25:41,0.031  
06/05/2015,08:26:41,0.046  
06/05/2015,08:27:41,0.049  
06/05/2015,08:28:41,0.053  
06/05/2015,08:29:41,0.071  
06/05/2015,08:30:41,0.060

6-5-15 Downwind-2 VOC

15/06/05 07:12

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 6/5/2015 07:12:09  
 End 6/5/2015 14:40:00  
 Sample Period(s) 900  
 Number of Records 29  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 4.109  
 High Alarm 8.218  
 Over Alarm 15000.000  
 STEL Alarm 8.218  
 TWA Alarm 0.893  
 Measurement Gas Isobutylene  
 Calibration Time 6/5/2015 06:53  
 Peak N/A  
 Min N/A  
 Average N/A

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	6/5/2015 07:27:09	0.024	0.665
002	6/5/2015 07:42:09	0.000	0.000
003	6/5/2015 07:57:09	0.000	0.000
004	6/5/2015 08:12:09	0.000	0.000
005	6/5/2015 08:27:09	0.000	0.000
006	6/5/2015 08:42:09	0.000	0.000
007	6/5/2015 08:57:09	0.000	0.000
008	6/5/2015 09:12:09	0.000	0.006
009	6/5/2015 09:27:09	0.000	0.008
010	6/5/2015 09:42:09	0.000	0.006
011	6/5/2015 09:57:09	0.000	0.000
012	6/5/2015 10:12:09	0.000	0.000
013	6/5/2015 10:27:09	0.000	0.000
014	6/5/2015 10:42:09	0.000	0.000
015	6/5/2015 10:57:09	0.000	0.000
016	6/5/2015 11:12:09	0.000	0.000
017	6/5/2015 11:27:09	0.000	0.000
018	6/5/2015 11:42:09	0.000	0.000
019	6/5/2015 11:57:09	0.000	0.000
020	6/5/2015 12:12:09	0.000	0.000
021	6/5/2015 12:27:09	0.000	0.001
022	6/5/2015 12:42:09	0.000	0.003
023	6/5/2015 12:57:09	0.000	0.001
024	6/5/2015 13:12:09	0.000	0.000
025	6/5/2015 13:27:09	0.000	0.000

6-5-15 Downwind-2 VOC

026	6/5/2015	13:42:09	0.000	0.000
027	6/5/2015	13:57:09	0.000	0.000
028	6/5/2015	14:12:09	0.000	0.000
029	6/5/2015	14:27:09	0.000	0.000
Peak		0.024	0.665	
Min		0.000	0.000	
Average		0.001	0.024	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,005  
Test Abbreviation:,MANUAL\_005  
Start Date:,06/05/2015  
Start Time:,07:04:38  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.022  
,Minimum:,0.019  
,Time of Minimum:,13:19:38  
,Date of Minimum:,06/05/2015  
,Maximum:,0.031  
,Time of Maximum:,07:19:38  
,Date of Maximum:,06/05/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/05/2015,07:19:38,0.031  
06/05/2015,07:34:38,0.022  
06/05/2015,07:49:38,0.022  
06/05/2015,08:04:38,0.023  
06/05/2015,08:19:38,0.022  
06/05/2015,08:34:38,0.022  
06/05/2015,08:49:38,0.024  
06/05/2015,09:04:38,0.024  
06/05/2015,09:19:38,0.022  
06/05/2015,09:34:38,0.022  
06/05/2015,09:49:38,0.022  
06/05/2015,10:04:38,0.022  
06/05/2015,10:19:38,0.022  
06/05/2015,10:34:38,0.023  
06/05/2015,10:49:38,0.029  
06/05/2015,11:04:38,0.022  
06/05/2015,11:19:38,0.022  
06/05/2015,11:34:38,0.021  
06/05/2015,11:49:38,0.027  
06/05/2015,12:04:38,0.021  
06/05/2015,12:19:38,0.021  
06/05/2015,12:34:38,0.021  
06/05/2015,12:49:38,0.020  
06/05/2015,13:04:38,0.020  
06/05/2015,13:19:38,0.019  
06/05/2015,13:34:38,0.019  
06/05/2015,13:49:38,0.019  
06/05/2015,14:04:38,0.020  
06/05/2015,14:19:38,0.019

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,005  
Test Abbreviation:,MANUAL\_005\_A  
Start Date:,06/05/2015  
Start Time:,07:04:39  
Duration (dd:hh:mm:ss):,0:00:15:00



6-5-15 Upwind Dust

Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.031  
,Minimum:,0.023  
,Time of Minimum:,07:10:39  
,Date of Minimum:,06/05/2015  
,Maximum:,0.138  
,Time of Maximum:,07:05:39  
,Date of Maximum:,06/05/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/05/2015,07:05:39,0.138  
06/05/2015,07:06:39,0.024  
06/05/2015,07:07:39,0.024  
06/05/2015,07:08:39,0.024  
06/05/2015,07:09:39,0.024  
06/05/2015,07:10:39,0.023  
06/05/2015,07:11:39,0.024  
06/05/2015,07:12:39,0.024  
06/05/2015,07:13:39,0.023  
06/05/2015,07:14:39,0.023  
06/05/2015,07:15:39,0.023  
06/05/2015,07:16:39,0.023  
06/05/2015,07:17:39,0.023  
06/05/2015,07:18:39,0.023  
06/05/2015,07:19:39,0.023

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122518  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,06/08/2015  
Start Time:,07:05:17  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.018  
,Minimum:,0.011  
,Time of Minimum:,10:50:17  
,Date of Minimum:,06/08/2015  
,Maximum:,0.026  
,Time of Maximum:,07:20:17  
,Date of Maximum:,06/08/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,04/29/2015

Date,Time,AEROSOL

MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/08/2015,07:20:17,0.026  
06/08/2015,07:35:17,0.024  
06/08/2015,07:50:17,0.021  
06/08/2015,08:05:17,0.019  
06/08/2015,08:20:17,0.019  
06/08/2015,08:35:17,0.020  
06/08/2015,08:50:17,0.020  
06/08/2015,09:05:17,0.018  
06/08/2015,09:20:17,0.025  
06/08/2015,09:35:17,0.026  
06/08/2015,09:50:17,0.020  
06/08/2015,10:05:17,0.019  
06/08/2015,10:20:17,0.016  
06/08/2015,10:35:17,0.014  
06/08/2015,10:50:17,0.011  
06/08/2015,11:05:17,0.012  
06/08/2015,11:20:17,0.014  
06/08/2015,11:35:17,0.017  
06/08/2015,11:50:17,0.015  
06/08/2015,12:05:17,0.018  
06/08/2015,12:20:17,0.020  
06/08/2015,12:35:17,0.019  
06/08/2015,12:50:17,0.017  
06/08/2015,13:05:17,0.011  
06/08/2015,13:20:17,0.018  
06/08/2015,13:35:17,0.016  
06/08/2015,13:50:17,0.018  
06/08/2015,14:05:17,0.019  
06/08/2015,14:20:17,0.024

6-8-15 Downwind-1 VOC.prs

15/06/08 07:12

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-909560  
 Unit Firmware Ver V1.20  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 6/8/2015 07:12:36  
 End 6/8/2015 14:31:45  
 Sample Period(s) 900  
 Number of Records 29  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 1.000  
 High Alarm 5.000  
 Over Alarm 15000.000  
 STEL Alarm 25.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 6/8/2015 06:46  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	6/8/2015 07:27:36	0.003	0.145
002	6/8/2015 07:42:36	0.000	0.007
003	6/8/2015 07:57:36	0.007	0.019
004	6/8/2015 08:12:36	0.024	0.035
005	6/8/2015 08:27:36	0.039	0.049
006	6/8/2015 08:42:36	0.053	0.065
007	6/8/2015 08:57:36	0.066	0.077
008	6/8/2015 09:12:36	0.080	0.094
009	6/8/2015 09:27:36	0.087	0.097
010	6/8/2015 09:42:36	0.096	0.107
011	6/8/2015 09:57:36	0.104	0.110
012	6/8/2015 10:12:36	0.107	0.116
013	6/8/2015 10:27:36	0.109	0.114
014	6/8/2015 10:42:36	0.112	0.117
015	6/8/2015 10:57:36	0.112	0.117
016	6/8/2015 11:12:36	0.114	0.123
017	6/8/2015 11:27:36	0.121	0.130
018	6/8/2015 11:42:36	0.127	0.136
019	6/8/2015 11:57:36	0.130	0.134
020	6/8/2015 12:12:36	0.134	0.139
021	6/8/2015 12:27:36	0.137	0.150
022	6/8/2015 12:42:36	0.139	0.151
023	6/8/2015 12:57:36	0.142	0.148
024	6/8/2015 13:12:36	0.145	0.152
025	6/8/2015 13:27:36	0.154	0.166

6-8-15 Downwind-1 VOC.prs

026	6/8/2015	13:42:36	0.162	0.170
027	6/8/2015	13:57:36	0.165	0.171
028	6/8/2015	14:12:36	0.163	0.170
029	6/8/2015	14:27:36	0.161	0.171
Peak			0.165	0.171
Min			0.000	0.007
Average			0.103	0.117

## TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,06/08/2015  
Start Time:,06:59:58  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.021  
,Minimum:,0.013  
,Time of Minimum:,10:59:58  
,Date of Minimum:,06/08/2015  
,Maximum:,0.044  
,Time of Maximum:,07:14:58  
,Date of Maximum:,06/08/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL

MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/08/2015,07:14:58,0.044  
06/08/2015,07:29:58,0.029  
06/08/2015,07:44:58,0.026  
06/08/2015,07:59:58,0.020  
06/08/2015,08:14:58,0.019  
06/08/2015,08:29:58,0.018  
06/08/2015,08:44:58,0.025  
06/08/2015,08:59:58,0.021  
06/08/2015,09:14:58,0.027  
06/08/2015,09:29:58,0.029  
06/08/2015,09:44:58,0.023  
06/08/2015,09:59:58,0.022  
06/08/2015,10:14:58,0.021  
06/08/2015,10:29:58,0.016  
06/08/2015,10:44:58,0.014  
06/08/2015,10:59:58,0.013  
06/08/2015,11:14:58,0.015  
06/08/2015,11:29:58,0.019  
06/08/2015,11:44:58,0.019  
06/08/2015,11:59:58,0.020  
06/08/2015,12:14:58,0.023  
06/08/2015,12:29:58,0.020  
06/08/2015,12:44:58,0.021  
06/08/2015,12:59:58,0.015  
06/08/2015,13:14:58,0.018  
06/08/2015,13:29:58,0.016  
06/08/2015,13:44:58,0.016  
06/08/2015,13:59:58,0.018  
06/08/2015,14:14:58,0.028

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122515  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,06/08/2015  
Start Time:,06:59:59  
Duration (dd:hh:mm:ss):,0:00:15:00

6-8-15 Downwind-2 Dust

Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.044  
,Minimum:,0.024  
,Time of Minimum:,07:13:59  
,Date of Minimum:,06/08/2015  
,Maximum:,0.225  
,Time of Maximum:,07:00:59  
,Date of Maximum:,06/08/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/08/2015,07:00:59,0.225  
06/08/2015,07:01:59,0.033  
06/08/2015,07:02:59,0.035  
06/08/2015,07:03:59,0.028  
06/08/2015,07:04:59,0.027  
06/08/2015,07:05:59,0.038  
06/08/2015,07:06:59,0.036  
06/08/2015,07:07:59,0.047  
06/08/2015,07:08:59,0.033  
06/08/2015,07:09:59,0.029  
06/08/2015,07:10:59,0.026  
06/08/2015,07:11:59,0.029  
06/08/2015,07:12:59,0.028  
06/08/2015,07:13:59,0.024  
06/08/2015,07:14:59,0.025

15/06/08 07:16

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-907523  
 Unit Firmware Ver V1.10C  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 6/8/2015 07:16:37  
 End 6/8/2015 14:41:37  
 Sample Period(s) 900  
 Number of Records 29  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 4.109  
 High Alarm 8.218  
 Over Alarm 15000.000  
 STEL Alarm 8.218  
 TWA Alarm 0.893  
 Measurement Gas Isobutylene  
 Calibration Time 6/8/2015 06:54  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

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Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	6/8/2015 07:31:37	0.017	0.650
002	6/8/2015 07:46:37	0.000	0.000
003	6/8/2015 08:01:37	0.000	0.000
004	6/8/2015 08:16:37	0.000	0.000
005	6/8/2015 08:31:37	0.000	0.000
006	6/8/2015 08:46:37	0.000	0.000
007	6/8/2015 09:01:37	0.000	0.000
008	6/8/2015 09:16:37	0.000	0.000
009	6/8/2015 09:31:37	0.000	0.000
010	6/8/2015 09:46:37	0.000	0.000
011	6/8/2015 10:01:37	0.000	0.000
012	6/8/2015 10:16:37	0.000	0.000
013	6/8/2015 10:31:37	0.000	0.000
014	6/8/2015 10:46:37	0.000	0.000
015	6/8/2015 11:01:37	0.000	0.000
016	6/8/2015 11:16:37	0.000	0.000
017	6/8/2015 11:31:37	0.000	0.000
018	6/8/2015 11:46:37	0.000	0.000
019	6/8/2015 12:01:37	0.000	0.000
020	6/8/2015 12:16:37	0.000	0.000
021	6/8/2015 12:31:37	0.000	0.000
022	6/8/2015 12:46:37	0.000	0.000
023	6/8/2015 13:01:37	0.000	0.000
024	6/8/2015 13:16:37	0.000	0.000
025	6/8/2015 13:31:37	0.000	0.000

6-8-15 Downwind-2 VOC.prs

026	6/8/2015	13:46:37	0.000	0.000
027	6/8/2015	14:01:37	0.000	0.000
028	6/8/2015	14:16:37	0.000	0.000
029	6/8/2015	14:31:37	0.000	0.000
Peak		0.017	0.650	
Min		0.000	0.000	
Average		0.001	0.022	



TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,06/08/2015  
Start Time:,07:08:04  
Duration (dd:hh:mm:ss):,0:07:15:00  
Log Interval (mm:ss):,15:00  
Number of points:,29  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.018  
,Minimum:,0.010  
,Time of Minimum:,13:08:04  
,Date of Minimum:,06/08/2015  
,Maximum:,0.028  
,Time of Maximum:,07:23:04  
,Date of Maximum:,06/08/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/08/2015,07:23:04,0.028  
06/08/2015,07:38:04,0.025  
06/08/2015,07:53:04,0.021  
06/08/2015,08:08:04,0.019  
06/08/2015,08:23:04,0.018  
06/08/2015,08:38:04,0.019  
06/08/2015,08:53:04,0.017  
06/08/2015,09:08:04,0.019  
06/08/2015,09:23:04,0.028  
06/08/2015,09:38:04,0.023  
06/08/2015,09:53:04,0.020  
06/08/2015,10:08:04,0.017  
06/08/2015,10:23:04,0.014  
06/08/2015,10:38:04,0.012  
06/08/2015,10:53:04,0.011  
06/08/2015,11:08:04,0.012  
06/08/2015,11:23:04,0.014  
06/08/2015,11:38:04,0.015  
06/08/2015,11:53:04,0.015  
06/08/2015,12:08:04,0.018  
06/08/2015,12:23:04,0.016  
06/08/2015,12:38:04,0.020  
06/08/2015,12:53:04,0.014  
06/08/2015,13:08:04,0.010  
06/08/2015,13:23:04,0.017  
06/08/2015,13:38:04,0.017  
06/08/2015,13:53:04,0.018  
06/08/2015,14:08:04,0.019  
06/08/2015,14:23:04,0.021

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,001  
Test Abbreviation:,MANUAL\_001\_A  
Start Date:,06/08/2015  
Start Time:,12:31:29  
Duration (dd:hh:mm:ss):,0:00:15:00

6-8-15 Upwind Dust

Log Interval (mm:ss):,01:00  
Number of points:,15  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.019  
,Minimum:,0.015  
,Time of Minimum:,12:45:29  
,Date of Minimum:,06/08/2015  
,Maximum:,0.034  
,Time of Maximum:,12:34:29  
,Date of Maximum:,06/08/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/08/2015,12:32:29,0.024  
06/08/2015,12:33:29,0.020  
06/08/2015,12:34:29,0.034  
06/08/2015,12:35:29,0.018  
06/08/2015,12:36:29,0.020  
06/08/2015,12:37:29,0.023  
06/08/2015,12:38:29,0.018  
06/08/2015,12:39:29,0.016  
06/08/2015,12:40:29,0.017  
06/08/2015,12:41:29,0.017  
06/08/2015,12:42:29,0.016  
06/08/2015,12:43:29,0.016  
06/08/2015,12:44:29,0.016  
06/08/2015,12:45:29,0.015  
06/08/2015,12:46:29,0.015

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530122518  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,06/09/2015  
Start Time:,07:12:02  
Duration (dd:hh:mm:ss):,0:07:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,28  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.025  
,Minimum:,0.014  
,Time of Minimum:,13:42:02  
,Date of Minimum:,06/09/2015  
,Maximum:,0.043  
,Time of Maximum:,09:12:02  
,Date of Maximum:,06/09/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,04/29/2015

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/09/2015,07:27:02,0.033  
06/09/2015,07:42:02,0.031  
06/09/2015,07:57:02,0.030  
06/09/2015,08:12:02,0.031  
06/09/2015,08:27:02,0.035  
06/09/2015,08:42:02,0.037  
06/09/2015,08:57:02,0.042  
06/09/2015,09:12:02,0.043  
06/09/2015,09:27:02,0.037  
06/09/2015,09:42:02,0.034  
06/09/2015,09:57:02,0.028  
06/09/2015,10:12:02,0.025  
06/09/2015,10:27:02,0.023  
06/09/2015,10:42:02,0.019  
06/09/2015,10:57:02,0.023  
06/09/2015,11:12:02,0.026  
06/09/2015,11:27:02,0.022  
06/09/2015,11:42:02,0.018  
06/09/2015,11:57:02,0.015  
06/09/2015,12:12:02,0.019  
06/09/2015,12:27:02,0.018  
06/09/2015,12:42:02,0.020  
06/09/2015,12:57:02,0.017  
06/09/2015,13:12:02,0.019  
06/09/2015,13:27:02,0.016  
06/09/2015,13:42:02,0.014  
06/09/2015,13:57:02,0.015  
06/09/2015,14:12:02,0.018

6-9-15 Downwind-1 VOC.prs

15/06/09 07:19

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Summary

-----  
 Unit Name MiniRAE 3000(PGM-7320)  
 Unit SN 592-909560  
 Unit Firmware Ver V1.20  
 -----

Running Mode Hygiene Mode  
 Measure Type Avg; Max  
 Datalog Mode Continuous  
 Datalog Type Auto  
 Diagnostic Mode No  
 Stop Reason Power Down  
 -----

Site ID RAE00000  
 User ID 00000001  
 -----

Begin 6/9/2015 07:19:31  
 End 6/9/2015 14:29:45  
 Sample Period(s) 900  
 Number of Records 28  
 -----

Sensor VOC(ppm)  
 Span 100.000  
 Span 2 N/A  
 Low Alarm 1.000  
 High Alarm 5.000  
 Over Alarm 15000.000  
 STEL Alarm 25.000  
 TWA Alarm 10.000  
 Measurement Gas Isobutylene  
 Calibration Time 6/9/2015 06:49  
 Peak N/A  
 Min N/A  
 Average N/A  
 -----

\*\*\*\*\*

Datalog

Index	Date/Time	VOC(ppm) (Avg)	VOC(ppm) (Max)
001	6/9/2015 07:34:31	0.017	0.151
002	6/9/2015 07:49:31	0.038	0.050
003	6/9/2015 08:04:31	0.057	0.070
004	6/9/2015 08:19:31	0.077	0.088
005	6/9/2015 08:34:31	0.092	0.102
006	6/9/2015 08:49:31	0.103	0.111
007	6/9/2015 09:04:31	0.115	0.125
008	6/9/2015 09:19:31	0.125	0.133
009	6/9/2015 09:34:31	0.131	0.137
010	6/9/2015 09:49:31	0.135	0.146
011	6/9/2015 10:04:31	0.139	0.147
012	6/9/2015 10:19:31	0.141	0.149
013	6/9/2015 10:34:31	0.145	0.154
014	6/9/2015 10:49:31	0.145	0.156
015	6/9/2015 11:04:31	0.147	0.156
016	6/9/2015 11:19:31	0.150	0.159
017	6/9/2015 11:34:31	0.154	0.167
018	6/9/2015 11:49:31	0.157	0.167
019	6/9/2015 12:04:31	0.160	0.171
020	6/9/2015 12:19:31	0.167	0.188
021	6/9/2015 12:34:31	0.167	0.175
022	6/9/2015 12:49:31	0.167	0.180
023	6/9/2015 13:04:31	0.169	0.179
024	6/9/2015 13:19:31	0.173	0.183
025	6/9/2015 13:34:31	0.175	0.189

6-9-15 Downwind-1 VOC.prs

026	6/9/2015	13:49:31	0.176	0.191
027	6/9/2015	14:04:31	0.175	0.185
028	6/9/2015	14:19:31	0.176	0.184
Peak		0.176	0.191	
Min		0.017	0.050	
Average		0.135	0.150	

TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530122515  
Test ID: ,002  
Test Abbreviation: ,MANUAL\_002  
Start Date: ,06/09/2015  
Start Time: ,07:06:41  
Duration (dd:hh:mm:ss): ,0:07:00:00  
Log Interval (mm:ss): ,15:00  
Number of points: ,28  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m^3  
,Average: ,0.032  
,Minimum: ,0.014  
,Time of Minimum: ,12:06:41  
,Date of Minimum: ,06/09/2015  
,Maximum: ,0.056  
,Time of Maximum: ,08:51:41  
,Date of Maximum: ,06/09/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m^3  
06/09/2015,07:21:41,0.035  
06/09/2015,07:36:41,0.034  
06/09/2015,07:51:41,0.037  
06/09/2015,08:06:41,0.042  
06/09/2015,08:21:41,0.046  
06/09/2015,08:36:41,0.046  
06/09/2015,08:51:41,0.056  
06/09/2015,09:06:41,0.050  
06/09/2015,09:21:41,0.045  
06/09/2015,09:36:41,0.044  
06/09/2015,09:51:41,0.038  
06/09/2015,10:06:41,0.032  
06/09/2015,10:21:41,0.028  
06/09/2015,10:36:41,0.032  
06/09/2015,10:51:41,0.032  
06/09/2015,11:06:41,0.030  
06/09/2015,11:21:41,0.029  
06/09/2015,11:36:41,0.025  
06/09/2015,11:51:41,0.021  
06/09/2015,12:06:41,0.014  
06/09/2015,12:21:41,0.016  
06/09/2015,12:36:41,0.028  
06/09/2015,12:51:41,0.024  
06/09/2015,13:06:41,0.019  
06/09/2015,13:21:41,0.030  
06/09/2015,13:36:41,0.026  
06/09/2015,13:51:41,0.024  
06/09/2015,14:06:41,0.024

Model:,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530122515  
Test ID: ,002  
Test Abbreviation: ,MANUAL\_002\_A  
Start Date: ,06/09/2015  
Start Time: ,07:06:42  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00

6-9-15 Downwind-2 Dust

Number of points:,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.035  
,Minimum: ,0.026  
,Time of Minimum: ,07:10:42  
,Date of Minimum: ,06/09/2015  
,Maximum: ,0.100  
,Time of Maximum: ,07:07:42  
,Date of Maximum: ,06/09/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
06/09/2015,07:07:42,0.100  
06/09/2015,07:08:42,0.029  
06/09/2015,07:09:42,0.027  
06/09/2015,07:10:42,0.026  
06/09/2015,07:11:42,0.026  
06/09/2015,07:12:42,0.026  
06/09/2015,07:13:42,0.027  
06/09/2015,07:14:42,0.027  
06/09/2015,07:15:42,0.031  
06/09/2015,07:16:42,0.046  
06/09/2015,07:17:42,0.038  
06/09/2015,07:18:42,0.034  
06/09/2015,07:19:42,0.030  
06/09/2015,07:20:42,0.034  
06/09/2015,07:21:42,0.031

Model: ,DustTrak II  
Model Number: ,8530  
Serial Number: ,8530122515  
Test ID: ,002  
Test Abbreviation: ,MANUAL\_002\_B  
Start Date: ,06/09/2015  
Start Time: ,13:09:30  
Duration (dd:hh:mm:ss): ,0:00:15:00  
Log Interval (mm:ss): ,01:00  
Number of points: ,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.030  
,Minimum: ,0.017  
,Time of Minimum: ,13:13:30  
,Date of Minimum: ,06/09/2015  
,Maximum: ,0.083  
,Time of Maximum: ,13:10:30  
,Date of Maximum: ,06/09/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,10/09/2014

Date,Time,AEROSOL  
MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>  
06/09/2015,13:10:30,0.083  
06/09/2015,13:11:30,0.041  
06/09/2015,13:12:30,0.029  
06/09/2015,13:13:30,0.017  
06/09/2015,13:14:30,0.019  
06/09/2015,13:15:30,0.032

6-9-15 Downwind-2 Dust

06/09/2015,13:16:30,0.034  
06/09/2015,13:17:30,0.024  
06/09/2015,13:18:30,0.024  
06/09/2015,13:19:30,0.021  
06/09/2015,13:20:30,0.033  
06/09/2015,13:21:30,0.028  
06/09/2015,13:22:30,0.023  
06/09/2015,13:23:30,0.024  
06/09/2015,13:24:30,0.019



TrakPro Version 4.61 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,06/09/2015  
Start Time:,07:18:42  
Duration (dd:hh:mm:ss):,0:07:00:00  
Log Interval (mm:ss):,15:00  
Number of points:,28  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.025  
,Minimum:,0.009  
,Time of Minimum:,12:03:42  
,Date of Minimum:,06/09/2015  
,Maximum:,0.044  
,Time of Maximum:,09:03:42  
,Date of Maximum:,06/09/2015

Calibration,Sensor:,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/09/2015,07:33:42,0.037  
06/09/2015,07:48:42,0.034  
06/09/2015,08:03:42,0.036  
06/09/2015,08:18:42,0.037  
06/09/2015,08:33:42,0.039  
06/09/2015,08:48:42,0.043  
06/09/2015,09:03:42,0.044  
06/09/2015,09:18:42,0.043  
06/09/2015,09:33:42,0.040  
06/09/2015,09:48:42,0.034  
06/09/2015,10:03:42,0.030  
06/09/2015,10:18:42,0.025  
06/09/2015,10:33:42,0.022  
06/09/2015,10:48:42,0.023  
06/09/2015,11:03:42,0.023  
06/09/2015,11:18:42,0.020  
06/09/2015,11:33:42,0.017  
06/09/2015,11:48:42,0.012  
06/09/2015,12:03:42,0.009  
06/09/2015,12:18:42,0.010  
06/09/2015,12:33:42,0.013  
06/09/2015,12:48:42,0.014  
06/09/2015,13:03:42,0.015  
06/09/2015,13:18:42,0.017  
06/09/2015,13:33:42,0.015  
06/09/2015,13:48:42,0.016  
06/09/2015,14:03:42,0.014  
06/09/2015,14:18:42,0.015

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530143315  
Test ID:,002  
Test Abbreviation:,MANUAL\_002\_A  
Start Date:,06/09/2015  
Start Time:,07:18:43  
Duration (dd:hh:mm:ss):,0:00:15:00  
Log Interval (mm:ss):,01:00

6-9-15 Upwind Dust

Number of points:,15  
Notes: ,

Statistics,Channel: ,AEROSOL  
,Units: ,mg/m<sup>3</sup>  
,Average: ,0.037  
,Minimum: ,0.031  
,Time of Minimum: ,07:20:43  
,Date of Minimum: ,06/09/2015  
,Maximum: ,0.101  
,Time of Maximum: ,07:19:43  
,Date of Maximum: ,06/09/2015

Calibration,Sensor: ,AEROSOL  
,Cal. date,08/14/2014

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/09/2015,07:19:43,0.101  
06/09/2015,07:20:43,0.031  
06/09/2015,07:21:43,0.031  
06/09/2015,07:22:43,0.031  
06/09/2015,07:23:43,0.031  
06/09/2015,07:24:43,0.032  
06/09/2015,07:25:43,0.031  
06/09/2015,07:26:43,0.032  
06/09/2015,07:27:43,0.032  
06/09/2015,07:28:43,0.033  
06/09/2015,07:29:43,0.033  
06/09/2015,07:30:43,0.033  
06/09/2015,07:31:43,0.033  
06/09/2015,07:32:43,0.033  
06/09/2015,07:33:43,0.033