

AV-Trend Sample Reports

March, 2011

Agilaire, LLC

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Real-Time Displays

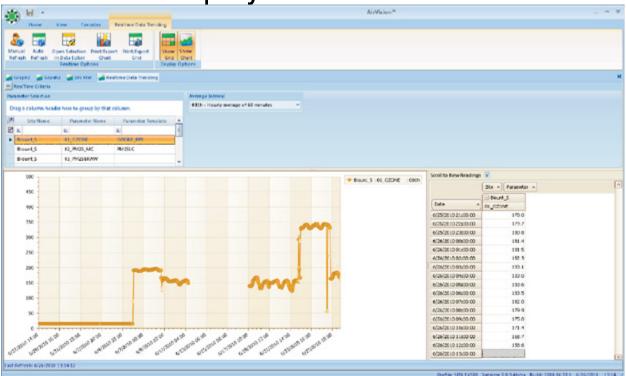


Chart + Tabular Display

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Tabular Display Only

Routine Reports

Daily Summary Report

This report is usually used for the daily summary of hourly data for all parameters at a site (or a range of selected sites), but can be used to report any time range or average interval. Statistics are provided at the bottom of each column.

Current	t lime:	77872009	1:24:12 F	PM	Daily Summary Report			
					Duny Summary Report			
Site:	COVEN	1TN			1/7/2009	Interval:	001h	
	OZONE	S02	WWDR	WWSP				
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Hour								
00:00	87.8	66.92	150	14.4				
01:00	87.6	66.584	168.8	14.3				
02:00	87	64.864	187.1	14.2				
03:00	86	62.181	204.2	13.9				
04:00	84.6	59.076	219.5	13.6				
05:00	82.9	56.046	232.7	13.3				
06:00	80.8	53.458	243.3	12.8				
07:00	78.4	51.543	251.1	12.3				
08:00	75.7	50.425	255.9	11.8				
09:00	72.7	50.133	257.7	11.2				
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14:00	54.6	54.456	238.9	8.3				
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16:00	46.6	54.123	207.7	7.3				
17:00	42.6	63.359	196.6	6.9				
18:00	38.7	52.438	186	6.6				
19:00	34.9	51.54	176.3	6.3				
20:00	31.2	50.816	167.8	6.1				
21:00	27.6	50.381	160.9	6				
22:00	24.3	50.298	155.6	5.9				
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Count	21.2	50.133	150	5.9				
Sount	24	24	24	24				

This report is also available as a "Basic Data Export" report that removes all summary information at the bottom, and all page breaks, so vast periods of data of any average interval (hour, minute, N-minute) and any number of site/parameters can be exported as columns. This is the best output format for import into spreadsheets or other programs.

Monthly Report

This report provides a matrix view of a single parameter, showing values for the entire month. Invalid or flagged data is shown with a color background or font change defining the data condition. Statistics are provided for each row (day) and column (hour).

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02	1	.9	1.6	.6	.6	.6 E	.7	1.6	3.6	8.1	9.7	11.4	11.7	9.9	8.8	8.6	4.7	4.1	6.6	7.8	9.1	9.7	10.5	7.7	6	11.7	23
03	4	7.2	5.8	6.8	10.6	14.6	16.8	19.1	24.1	24.4	26	27.4	30.4	30.9	32.3	32.2	32.1	30.8	29.8	29	27.2	20.4	16.6	19.8	22.4	32.3	23
04	3	22	23.1	24.3	16.2	17.8	14.2	11.3	16.2	26	26.6	30.5	29.9	30.9	29.3	28.4	27.1	22.6	24.9	40.9	38.9	37.1	35.2	33.8	26.4	40.9	23
05	٠.	21.3	24.2	23	21.7	22.1	19.2	16.7	15.3	14.8	13.7	11.9	10	9.4	5.9	4.4	1.6	.6 E	.6 E	.6 E	.6 E	.6 E	4.1	9.3	10.9	24.2	23
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07	٩.	26.7	25.3	24	22.9	30.2	31.9	32.3	33.4	35.5	36.1	36.8	38.2	38.7	38.9	38.5	33.2	26.1	26.6	25.7	29.5	28.9	27.2	30.4	31.2	38.9	23
08	130	29.1	27.3	24.6	22.2	19.6	17.4	15.3	13.9	14.4	15	14.4	15.2	18.7	19	16	11.4	10.2	9	10.7	11.9	15.4	16.5	15.1	16.6	29.1	23
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11	κ.	14.3	13.7	14.8	11.5	9.4	8.9	12	20.7	24.9	30.3	35.3	36.1	35.4	34	32.3	31.5	28.3	25.6	28.1	26.5	28.9	23.8	15.2	23.5	36.1	23
12	1	23.8	22.7	19.9	15.8	13.7	13.7	13.6	14.5	14.9	16.2	17.5	4		24.5	23.6	13.2	5	5.7	10.4	9.3	8.8	8.9	4	14.3	24.5	21
13	4.	4.1	4.7	5.6	4.5	4.6	3.5	2.6	6.9	10.1	12.2	18.3	33.7	36.9	34.7	32.2	31.9	33.1	28.1	32.1	33.6	30.7	30.1	32.1	20.3	36.9	23
14	3	34.3	34.2	33	32.3	32.6	34.2	35.4	34	33.9	38.2	35.2	34.9	33	29.6	25.3	17.1	12.3	14.7	20.9	25.4	26.6	30.5	34.4	29.7	38.2	23
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16	30	34.6	34	32.2	30	29.7	27.9	25.9	29.1	32.4	33.3	34	34.8	35.4	34.8	33.6	30.3	26.8	21.5	20.3	17.4	16.5	18.1	18.4	28.3	35.4	23
17	κ.	18.8	19.6	16	15.9	9.6	7	5.6	12.2	23.6	23.5	26.1	29.1	29.4	31	28.6	32.6 P	4	4	6	32.6	30	30.8	33.6	22.8	33.6	20
18	3	38.6	38.6	37.7	38.2	38.4	38.4	37.4	36.1	35.3	35.5	39.5	41.4	40	19.2	1.6	3.7	9.4	11.4	10.6	13.2	16.1	20.3	25.2	27.2	41.4	23
19	۲.	29.2	29.2	29.1	28.7	27.8	27.2	26.1	27	27.4	27.7	27.3	27.8	29.3	29.5	28	21.9	9.3	14	23.8	21.2	20	18.5	18.9	24.7	29.5	23
20	4	20.6	18.5	13.9	12	12	10.1	8.6	8.6	16.9	12.6	14.9	10	12.4	9.5	5.9	6.1	4.1	4.4	4.7	6	8	10	8.5	10.4	20.6	23
21	κ.	14.9	16	17	23.2	30.2	28.9	29.8	31.1	28.4	28.1	31.5	29.6	29.8	8	4	<	4	4	4	*	1	33.4	33.5	27	33.5	15
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23	٩.	26	32.4	33	33	31.7	33.8	34.9	36	35.2	35.5	32.4	28.7	28	28.5	28.3	24.1	21.5	19.6	20.9	19.9	19.8	22.6	22.2	28.2	36	23
24	130	17.9	16.6	15.9	14.5	9.6	5.2	8.8	10.6	20.7	27.6	30.3	31.8	33	33	32.5	27.8	30.9	32.2	29.3	28.5	28.5	26.7	21.2	23.2	33	23
25	4.	14.9	12.6	9.2	7.3	6.1	10.7	12.8	10	16.7	23	21.3	18.4	20.1	20.9	20.2	18.6	16.6	15.1	17.1	24.1	26.6	26	25.7	17.1	26.6	23
26		24.3	25.3	26.3	26.6	26.6	26.8	26	25.7	26.6	27.5	28.6	4	- 30	26.5	27.8	27.6	27.6	27.5	27.6	27.8	27.7	28.1	27.6	27	28.6	21
27	۲.	25.6	24.5	22.4	19.7	15.8	15.5	11.4	14.9	20	25.1	28.3	29.4	31.6	34.2	33.6	26.5	16.9	16.1	22.4	19.1	13.5	13.5	13.8	21.5	34.2	23
28	1	12.3	14.3	14.5	14.4	15.2	13.6	12.5	13.2	16.6	24.8	28.5	26.7	26.4	25.5	23.5	21.5	20.8	21	19.7	15.3	15.3	12.8	10.2	18.2	28.5	23
29	<	5.8	6.6	4.9	4.9	3.4	3.7	2.4	7.4	9.6	12.7	15.4	21.1	28.7	28.5	25.3	25.3	24.2	20.3	18.2	20.2	21.5	14.9	12.6	14.7	28.7	23
30		12.5	13.6	13.3	13.7	11.2	7.9	8.3	10.3	14.8	15.5	24.2	26.6	28	26.1	23	21.6	21.5	21.6	22	22.2	23.2	23.8	25.3	18.7	28	23
31	4	25.2	27.2	27.3	27	27	26.4	26.7	26.9	26.8	27.4	24.5	24	24.7	23.8	22.7	22.9	22.4	21.3	19	16.2	15.2	21.9	24.1	23.9	27.4	23
Max	429.6	38.6	38.6	37.7	38.2	38.4	38.4	37.4	37.2	38.4	39.1	39.5	41.4	40	39.5	39.7	39.6	38.7	38	40.9	38.9	37.1	36.4	35.8	429.6	429.6	429.6
Awerage	204.6	20.7	20.9	20.4	20	19.7	19.1	18.8	20.4	23	24.6	25.9	27	27.9	26.5	24.5	22.5	19.3	18.4	19.7	20.6	20.3	20.9	20.9	28.4	28.4	28.4
Count	26	31	31	31	31	31	31	31	31	31	31	31	29	29	30	30	29	28	29	29	30	30	31	31	722	722	72

Quality Assurance / Analysis Reports

Concentration Distribution Report

This report shows the number of readings that fall into user-defined concentration ranges. The user defines the concentration ranges for each parameter type in the Frequency/Concentration Report Editor.

Report Outp	out																		
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		Site	Samples	Min.	<u>10</u>	<u>20</u>	<u>30</u>	<u>50</u>	<u>100</u>	<u>150</u>	<u>200</u>	<u>300</u>	<u>>500</u>	Max.	Arith. Hean	Geo. Mean	Geo. Dev.		=
		BastKnoxville	1374	0.0	6.55	0	15	229	475	0	0	0	0	89.0	28.8	1.3	50.1		
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Frequency Distribution Report

A companion to the Concentration Distribution report, this reports shows the concentration values that correspond to user-defined percentiles (e.g., 95th percentile, etc). The user can define frequency breakpoints for each parameter type.

Report Criteria																
ort Output																
1 • AN &? &	🕞 🖳 🥎 🔍 🔍 100%	6 🕑 🔍			h 🛛 🗄	- 12										
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			Aver Tr	terval:	001b		7	av imum	Sample		757					
			AVG III		00111		10	ax Hooto	Soupre		151					
	Site - Parameter	Samples	Min. J	<u>10 20</u>	30	<u>40</u>	50	75	90	95	<u>99</u>	Max.	Arith. Mean	Geo. Hean	Geo. Dev.	
	Blount_S-01_020NE	722	0.0 7	.7 12.6	15.8	19.1	22.4	29.6	35.2	38.4	403	429.6	28.3	18.9	2.4	
	Union-01 0ZONE	705	0.0 1	L8 23	25	28	30	35	38	40	44	47.0	29.0	27.0	1.0	

Statistical Report

This report provides statistics for any defined time range, as well as a comparison against previous years of the same parameter and date/time range, with calculated ratios. This report is similar to the Statistical functions in the Data Editor and used to identify outliers.

ort Output						
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Current Time: 7/8/2009	2:07:42 PM					
		Statist	ical Report			
Site: COVEMTN	Param	eter: PM25	LC	Interval:	001h	
Statistics	Minimum	Maximum	Average	Mean	Count	Valid
Period	0.2	0.4	0.2883	0.2971	60	60
History	0.1	0.5	0.2907	0.2546	118	118
Ratio	2	0.8	0.9919	1.1667	50.85%	50.85%

Logbook Report

This report provides a summary of logbook entries made by the users and operators.

Report Cr							
ate Range			Site Sele	ection			
tart Date	06/02/2010 00:00	0.4	Drag a	column header here to	group by that column.		
nd Date	06/02/2010 23:59	0 - 🙀	P	Site Name	Site Der	cription	
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port Outp	Concernance of the second s						
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Curren	nt Time : 1:24	PM	er Name	02-Jun-2010 (Agilaire	2010 00:00 <u>Entry</u>	
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Curren Curren	nt Time : 1:24 g <u>ory</u> r	PM <u>Us</u> a Air		02-Jun-2010 (<u>Ent</u> 6/2	Agilaire DO:DO to O3-Jun- ry Time	Entry	
Curren Curren <u>Cater</u> Repai Other	nt Time : 1:24 g <u>ory</u> r	PM <u>Us</u> o Air Air	Vision	02-Jun-2010 (<u>Ent</u> 6/2 6/2	Agilaire 00:00 to 03-Jun- <u>ry Time</u> /2010 10:59:00 AM	Entry testing	
Curren Curren <u>Cater</u> Repai Other	nt Time : 1:24 gory r	PM <u>Us</u> o Air Air	Vision Vision	02-Jun-2010 (<u>Ent</u> 6/2 6/2	Agilaire 00:00 to 03-Jun- ry Time /2010 10:59:00 AM /2010 11:06:03 AM	<u>Entry</u> testing test2	
Curren Curren <u>Cater</u> Repai Other	nt Time : 1:24 gory r	PM <u>Us</u> o Air Air	Vision Vision	02-Jun-2010 (<u>Ent</u> 6/2 6/2	Agilaire 00:00 to 03-Jun- ry Time /2010 10:59:00 AM /2010 11:06:03 AM	<u>Entry</u> testing test2	

Data Logger Reports

Power Failure Report

This report shows the starting and ending time of a power failure detected by the logger.

Site Name ^{Blount_S}	Site Description		
Logger Name 12_30	Logger Identifier ³⁰	25	
	Failure Time	Restored Time	
	1/25/2010 11:36:32 AM	1/25/2010 11:36:45 AM	
	1/25/2010 11:38:05 AM	1/25/2010 11:38:27 AM	
	1/25/2010 11:52:06 AM	1/25/2010 11:52:17 AM	
	1/25/2010 12:33:51 PM	1/25/2010 12:34:07 PM	
	1/28/2010 10:09:03 AM	1/28/2010 10:09:19 AM	
	1/28/2010 10:27:25 AM	1/28/2010 10:27:35 AM	

Input Status Line Change Report

This report shows the time and state of a status input line change detected by the logger.

Input Line Report

Site Name Blount S

LoggerName 12_30 LoggerIdentifier 30

Line Number	Line Name	Line State	Time Qf Change	Line Description
33	NOX FAULT	~	2/1/2010 11:06:10 AM	
33	NOX FAULT		2/1/2010 11:06:11 AM	
34	INTRUSION	~	3/1/2010 11:06:12 AM	
36	SO2 FAULT	~	3/1/2010 11:06:12 AM	
36	SO2 FAULT		3/1/2010 11:06:13 AM	
37	SO2 IN MAINT	~	3/1/2010 11:06:13 AM	
34	INTRUSION		3/1/2010 11:06:14 AM	

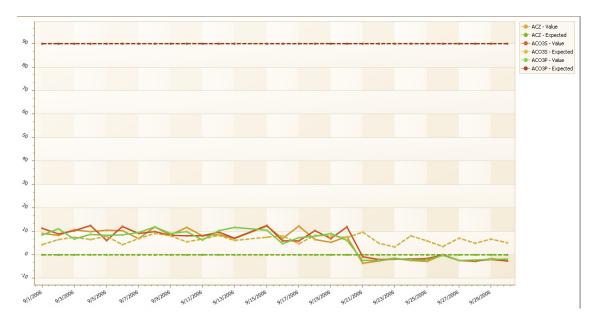
Calibration Report

This report shows the calibration event and results for any zero/span or precision check.

Report Outp									
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			Previous Pa	age					=
	Current Da Current Ti	te : 7/8/2 me : 12:57		Calibra	ation Repor	t			
	Site: Source: Date:	LAB_8832 LAB_8832 07-Ju1-20	06						
	Parameter	Sequence	Phase	Start Time	End Time	Value	Expected Value	<u>% Error</u>	
	OZONE	AUTOCAL	ACZ	07:30:00	07:40:00	219		22	
	OZONE	AUTOCAL	AC03S	07:30:00	07:50:00	234	7.471	103.14	
	020 NE	AUTOCAL	AC03P	07:30:00	08:00:00	234	90	100.26	

Cal Trend Graph

This graph provides a long-term view of calibration zero/span results over a userdefined period of time (month, quarter, etc).



Calibration Response Graph

This graph combines calibration records with 1-minute data records to create a graph of the analyzer response over a single calibration. The back/next button can be used to quickly cycle through several days in a single query.

