Port 502 ID Modbus 50

#	Name	Start		Notes	Notes2	Notes3
	0-1	address	a a a a all a a la			
		l registers fo	or reading b		İ	<del> </del>
1	Status of spectrometer	0		1 – OK	İ	
				0 – Faults	i	
				OK – data transfer, light intensity and flow	i	
	St. J. C			rate are in acceptable ranges.	<b></b>	
2	Status of	1		1 – OK	i	
	thermocontrollers			0 – Faults	i	
				OK – all thermocontrollers keep	i	
				temperature in their preset ranges		
3	Availability for external	2		1 - Ready 0	i	
	request			Not ready		
4	Status of Zero test	3		1 – Zero test is going		
				0 – Procedures differed from Zero test	i	
5	Status of calibration	4		1 – Calibration is going		
				0 – Procedures differed from Calibration	i	
	Floa	t registers f	or reading b	ov a master		
	1	LSW	MSW	I		<del></del>
6	Elemental mercury	24	25	ug/m3		
				_	<del>                                     </del>	<del>                                     </del>
7	Total mercury	10	11	ug/m3	<u> </u>	₩
8	Oxidized mercury	12	13	ug/m3	<b></b>	
9	Monitor flow	14	15	L/min	<u> </u>	
10	<b>Vacuum</b>	16	17	psi		
11	Dilution pressure	18	19	psi, sensor not connected		
12	Bypass pressure	20	21	psi, sensor not connected, reserved		
13	Temperature of	22	23	*C		<del>                                     </del>
10	spectrometer		23	*	i	
14	Code of a current mode	8	9	Start Level	<b>-</b> -	<del></del>
14	code of a current mode	0	9	Start Level	5	
				Cell Delay	7	
				Cell Level	8	
				Zero Delay	11	
				Zero Test	12	
				Total Mercury Delay	21	
				Total Mercury	22	
				Elemental Mercury Delay	26	
				Elemental Mercury	27	
				Pre-Calibration Delay	31	
				Calibration	32	
				Post-Calibration Delay	33	
				Purge	13	
15	Errors and warnings	28	29		decimal	binary
				all OK	0	00000000
				ERROR: NO DATA	1	00000001
				ERROR: LOW LIGHT	2	00000010
				WARNING: LOW FLOW	4	00000100
				WARNING: CONVERTER	8	00001000
				WARNING: WATLOW1	16	00010000
				WARNING: WATLOW1 32 (00100000)	32	0010000
				WARNING: WATLOW3 64 (01000000)	64	0100000
				WARNING: WATLOWS 04 (01000000) WARNING: WATLOW4 128 (10000000)	128	10000000
				Possible to have several warnings	120	2000000
				simultaneously, e.g. 24 (00011000) means	i	
					i	
				WARNING: CONVERTER and WARNING:	i	
4.5	Callbrant Co.		2.4	WATLOW1	<del> </del>	<del></del>
16	Calibration coefficient	30	31	Total mercury coefficient	<b></b>	
_		Co	l registers f	or writing by a master		
17	Run calibration	99		Request to start calibration. Delay will be		
				in the range 1 – 20 minutes since it can be	i	
				started only when total mercury is	i	
				determined.	i	
18	Run zero test	100		Request to start a zero test. Delay will be		<del>                                     </del>
10	Mair Zero test	100			i	
				in the range 1 – 20 minutes since it can be	i	
				started only when total mercury is	1	
				determined.	<u> </u>	
19	Run elemental	101		Request to start measurement of	1	
				elemental mercury. Delay will be in the	i	
				range 1 – 20 minutes since it can be	i	
				started only when total mercury is	i	
				started only when total increary is		
				determined.		
20	Start Purge	102				$\vdash$