TABLE 44
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
MAIN QUAD NO. 5

58 Quarterly Components, 4 Annual Components, 7 UTM Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #	Control Room							
0441	MAIN GAS BLOCKING VALVES												
5400	MIU	V	L	57.63	44	2	MAIN QUAD	R-405A	SUB GAS COLD SEPARATOR BLOCKING VALVE	BOTTOM	LO	Y	LO WASH
5401	MIU	V	L	57.63	44	2	MAIN QUAD	R-405A	DOWNRIVER GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	Y	LO WASH
5402	MIU	V	L	57.63	44	2	MAIN QUAD	R-405A	UNDERFIRE GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	Y	LO WASH
5403	MIU	V	L	57.63	44	2	MAIN QUAD	R-405B	SUB GAS COLD SEPARATOR BLOCKING VALVE	BOTTOM	LO	Y	LO WASH
5404	MIU	V	L	57.63	44	2	MAIN QUAD	R-405B	DOWNRIVER GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	Y	LO WASH
5405	MIU	V	L	57.63	44	2	MAIN QUAD	R-405B	UNDERFIRE GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	Y	LO WASH
5406	MIU	V	L	57.63	44	2	MAIN QUAD	R-405C	SUB GAS COLD SEPARATOR BLOCKING VALVE	BOTTOM	LO	Y	LO WASH
5407	MIU	V	L	57.63	44	2	MAIN QUAD	R-405C	DOWNRIVER GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	Y	LO WASH
5408	MIU	V	L	57.63	44	2	MAIN QUAD	R-405C	UNDERFIRE GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	Y	LO WASH
5409	MIU	V	L	57.63	44	2	MAIN QUAD	R-405D	SUB GAS COLD SEPARATOR BLOCKING VALVE	BOTTOM	LO	Y	LO WASH
5410	MIU	V	L	57.63	44	2	MAIN QUAD	R-405D	DOWNRIVER GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	Y	LO WASH
5411	MIU	V	L	57.63	44	2	MAIN QUAD	R-405D	UNDERFIRE GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	Y	LO WASH
0442	SUB GAS MANIFOLD / NITROGEN												
5415	N/A	V	GV	16.00	44	2	MAIN QUAD	QUAD 5	SUB GAS HEADER CLEANOUT VALVE	HEADER	SG	N	
5416	N/A	V	GV	16.00	44	2	MAIN QUAD	QUAD 5	BLOCKING VALVE SUB GAS VACUUM LINE	HEADER	SG	Y	
5417	N/A	V	GV	16.00	44	2	MAIN QUAD	QUAD 5	BLOCKING VALVE NITROGEN PURGE	HEADER	SG	Y	
5418	N/A	V	GV	16.00	44	2	MAIN QUAD	QUAD 5	CLEAN OUT VALVE SUB GAS VACUUM LINE	HEADER	SG	Y	
5419	N/A	V	GV	16.00	44	2	MAIN QUAD	QUAD 5	BLEED VALVE SUB GAS VACUUM LINE	HEADER	SG	Y	
0443	UNIT A												
5420	Q	V	G	16.00	44	2	MAIN QUAD	R-405A	RAW GAS VALVE	TOP #A	SG	Y	
5421	Q	V	G	16.00	44	2	MAIN QUAD	R-405A	CLEANOUT VALVE ON TOP ACCESS HOLE	TOP #A	SG	Y	
5422	Q	V	G	16.00	44	2	MAIN QUAD	R-405A	DOWN RIVER GAS VALVE	TOP #A	SG	Y	
5423	UTM	V	L	57.63	44	2	MAIN QUAD	R-405A	TOP LEVEL NORTH PRESSURE TAP	TOP #A	LO	N	
5424	Q	V	L	57.63	44	2	MAIN QUAD	R-405A	TOP LEVEL NORTH PRESSURE TAP EXTENSION	TOP #A	LO	Y	ADDED 12-95
5425	Q	V	G	16.00	44	2	MAIN QUAD	R-405A	UNDERFIRE GAS VALVE	TOP #A	SG	Y	
5426	Q	V	G	16.00	44	2	MAIN QUAD	R-405A	TOP PRESSURE TAP	TOP #A	SG	Y	
5427	Q	V	G	16.00	44	2	MAIN QUAD	R-405A	TOP PRESSURE TAP	TOP #A	SG	Y	
5428	Q	PD	G	16.00	44	2	MAIN QUAD	R-405A	TOP PRESSURE TRANSDUCER	TOP #A	SG	Y	
5429	Q	G	G	16.00	44	2	MAIN QUAD	R-405A	TOP PRESSURE GAUGE	TOP #A	SG	Y	
5430	Q	V	G	16.00	44	2	MAIN QUAD	R-405A	SUB GAS VALVE	TOP #A	SG	Y	
5431	Q	V	L	57.63	44	2	MAIN QUAD	R-405A	TOP LEVEL SOUTH STEAM VALVE	TOP #A	LO	Y	
5432	Q	VT	G	16.00	44	2	MAIN QUAD	R-405A	RELIEF VALVE	TOP #A	SG	Y	
5434	Q	V	G	16.00	44	2	MAIN QUAD	R-405A	MID LEVEL PRESSURE TAP VALVE	TOP #A	SG	Y	
5435	AIU	V	L	57.63	44	2	MAIN QUAD	R-405A	LOW LEVEL PRESSURE TAP COLD	TOP #A	LO	N	LO WASH
0444	UNIT B												
5440	Q	V	G	16.00	44	2	MAIN QUAD	R-405B	RAW GAS VALVE	TOP #B	SG	Y	
5441	Q	V	G	16.00	44	2	MAIN QUAD	R-405B	DOWN RIVER GAS VALVE	TOP #B	SG	Y	
5442	UTM	V	L	57.63	44	2	MAIN QUAD	R-405B	TOP LEVEL NORTH PRESSURE TAP	TOP #B	LO	N	
5443	Q	V	L	57.63	44	2	MAIN QUAD	R-405B	TOP LEVEL NORTH PRESSURE TAP EXTENSION	TOP #B	LO	Y	ADDED 12-95
5444	Q	V	G	16.00	44	2	MAIN QUAD	R-405B	UNDERFIRE GAS VALVE	TOP #B	SG	Y	
5445	Q	V	G	16.00	44	2	MAIN QUAD	R-405B	TOP PRESSURE TAP VALVE	TOP #B	SG	Y	
5446	Q	V	G	16.00	44	2	MAIN QUAD	R-405B	TOP PRESSURE VALVE	TOP #B	SG	Y	
5447	Q	G	G	16.00	44	2	MAIN QUAD	R-405B	TOP PRESSURE GAUGE	TOP #B	SG	Y	
5448	Q	PD	G	16.00	44	2	MAIN QUAD	R-405B	TOP PRESSURE TRANSDUCER	TOP #B	SG	Y	
5449	Q	V	G	16.00	44	2	MAIN QUAD	R-405B	SUB GAS VALVE	TOP #B	SG	Y	
5450	UTM	V	L	57.63	44	2	MAIN QUAD	R-405B	TOP LEVEL SOUTH STEAM VALVE	TOP #B	LO	N	
5452	Q	V	G	16.00	44	2	MAIN QUAD	R-405B	MID LEVEL PRESSURE TAP VALVE	TOP #B	SG	Y	
5453	AIU	V	L	57.63	44	2	MAIN QUAD	R-405B	LOW LEVEL PRESSURE TAP COLD	TOP #B	LO	N	LO WASH
5454	Q	VT	G	16.00	44	2	MAIN QUAD	R-405B	RELIEF VALVE	TOP #B	SG	Y	

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0445		UNIT C											
5460	Q	V	G	16.00	44	2	MAIN QUAD	R-405C	RAW GAS VALVE	TOP #C	SG	Y	
5461	Q	V	G	16.00	44	2	MAIN QUAD	R-405C	DOWN RIVER GAS VALVE	TOP #C	SG	Y	
5462	UTM	V	L	57.63	44	2	MAIN QUAD	R-405C	TOP LEVEL NORTH PRESSURE TAP VALVE	TOP #C	LO	N	
5463	Q	V	L	57.63	44	2	MAIN QUAD	R-405-C	TOP LEVEL NORTH PRESSURE TAP EXTENSION	TOP #C	LO	Y	ADDED 12-95
5464	Q	V	G	16.00	44	2	MAIN QUAD	R-405C	UNDERFIRE GAS VALVE	TOP #C	SG	Y	
5465	Q	V	G	16.00	44	2	MAIN QUAD	R-405C	TOP LEVEL NORTH PRESSURE TAP VALVE	TOP #C	SG	Y	
5466	Q	V	G	16.00	44	2	MAIN QUAD	R-405C	TOP PRESSURE TAP VALVE	TOP #C	SG	Y	
5467	Q	G	G	16.00	44	2	MAIN QUAD	R-405C	TOP PRESSURE GAUGE	TOP #C	SG	Y	
5468	Q	V	G	16.00	44	2	MAIN QUAD	R-405C	SUB GAS VALVE	TOP #C	SG	Y	
5469	Q	PD	G	16.00	44	2	MAIN QUAD	R-405C	TOP PRESSURE TRANSDUCER	TOP #C	SG	Y	
5470	UTM	V	L	57.63	44	2	MAIN QUAD	R-405C	TOP LEVEL SOUTH STEAM VALVE	TOP #C	LO	N	
5471	Q	V	G	16.00	44	2	MAIN QUAD	R-405C	RELIEF VALVE	TOP #C	SG	Y	
5473	Q	V	G	16.00	44	2	MAIN QUAD	R-405C	MID LEVEL PRESSURE TAP VALVE	TOP #C	SG	Y	
5474	AIU	V	L	57.63	44	2	MAIN QUAD	R-405-C	LOW LEVEL PRESSURE TAP COLD	TOP #C	LO	N	LO WASH
0446		UNIT D											
5480	Q	V	G	16.00	44	2	MAIN QUAD	R-405D	RAW GAS VALVE	TOP #D	SG	Y	
5481	Q	V	G	16.00	44	2	MAIN QUAD	R-405D	DOWN RIVER GAS VALVE	TOP #D	SG	Y	
5482	UTM	V	L	57.63	44	2	MAIN QUAD	R-405D	TOP LEVEL NORTH PRESSURE TAP	TOP #D	LO	N	
5483	Q	V	L	57.63	44	2	MAIN QUAD	R-405D	TOP LEVEL NORTH PRESSURE TAP EXTENSION	TOP #D	LO	Y	ADDED 12-95
5484	Q	V	G	16.00	44	2	MAIN QUAD	R-405D	UNDERFIRE GAS VALVE	TOP #D	SG	Y	
5485	Q	V	L	57.63	44	2	MAIN QUAD	R-405D	TOP LEVEL NORTH PRESSURE TAP	TOP #D	LO	Y	
5486	Q	V	G	16.00	44	2	MAIN QUAD	R-405D	TOP PRESSURE TAP VALVE	TOP #D	SG	Y	
5487	Q	G	G	16.00	44	2	MAIN QUAD	R-405D	TOP PRESSURE GAUGE	TOP #D	SG	Y	
5488	Q	PD	G	16.00	44	2	MAIN QUAD	R-405D	TOP PRESSURE TRANSDUCER	TOP #D	SG	Y	
5489	Q	V	G	16.00	44	2	MAIN QUAD	R-405D	SUB GAS VALVE	TOP #D	SG	Y	
5490	UTM	V	L	57.63	44	2	MAIN QUAD	R-405D	TOP SOUTH STEAM VALVE	TOP #D	LO	N	
5491	Q	VT	G	16.00	44	2	MAIN QUAD	R-405D	RELIEF VALVE	TOP #D	SG	Y	
5493	AIU	V	L	57.63	44	2	MAIN QUAD	R-405D	LOW LEVEL PRESSURE TAP COLD	TOP #D	LO	N	LO WASH
5494	Q	V	G	16.00	44	2	MAIN QUAD	R-405C	MID LEVEL PRESSURE TAP VALVE	TOP #C	SG	Y	

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TABLE 45
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
MAIN QUAD NO. 6

55 Quarterly Components, 4 Annual Components, 7 UTM Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #	Control Room							
0451	MAIN GAS BLOCKING VALVES												
5500	MIU	V	L	57.63	45	2	MAIN QUAD	R-406A	UNDERFIRE GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	Y	LO WASH
5501	MIU	V	L	57.63	45	2	MAIN QUAD	R-406A	DOWNRIVER GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	Y	LO WASH
5502	MIU	V	L	57.63	45	2	MAIN QUAD	R-406A	SUB GAS COLD SEPARATOR BLOCKING VALVE	BOTTOM	LO	Y	LO WASH
5503	MIU	V	L	57.63	45	2	MAIN QUAD	R-406B	UNDERFIRE GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	Y	LO WASH
5504	MIU	V	L	57.63	45	2	MAIN QUAD	R-406B	DOWNRIVER GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	Y	LO WASH
5505	MIU	V	L	57.63	45	2	MAIN QUAD	R-406B	SUB GAS COLD SEPARATOR BLOCKING VALVE	BOTTOM	LO	Y	LO WASH
5506	MIU	V	L	57.63	45	2	MAIN QUAD	R-406C	UNDERFIRE GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	Y	LO WASH
5507	MIU	V	L	57.63	45	2	MAIN QUAD	R-406C	DOWNRIVER GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	Y	LO WASH
5508	MIU	V	L	57.63	45	2	MAIN QUAD	R-406C	SUB GAS COLD SEPARATOR BLOCKING VALVE	BOTTOM	LO	Y	LO WASH
5509	MIU	V	L	57.63	45	2	MAIN QUAD	R-406D	UNDERFIRE GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	Y	LO WASH
5510	MIU	V	L	57.63	45	2	MAIN QUAD	R-406D	DOWNRIVER GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	Y	LO WASH
5511	MIU	V	L	57.63	45	2	MAIN QUAD	R-406D	SUB GAS COLD SEPARATOR BLOCKING VALVE	BOTTOM	LO	Y	LO WASH
0452	SUB GAS MANIFOLD / NITROGEN												
5515	N/A	V	GV	16.00	45	2	MAIN QUAD	QUAD 6	SUB GAS HEADER CLEANOUT VALVE	HEADER	SG	N	
5516	N/A	V	GV	16.00	45	2	MAIN QUAD	QUAD 6	BLOCKING VALVE NITROGEN PURGE	HEADER	SG	Y	
5517	N/A	V	GV	16.00	45	2	MAIN QUAD	QUAD 6	CLEAN OUT VALVE SUB GAS VACUUM LINE	HEADER	SG	Y	
5518	N/A	V	GV	16.00	45	2	MAIN QUAD	QUAD 6	BLOCKING VALVE SUB GAS VACUUM LINE	HEADER	SG	Y	
5519	N/A	V	GV	16.00	45	2	MAIN QUAD	QUAD 6	BLEED VALVE SUB GAS VACUUM LINE	HEADER	SG	Y	
0453													
5520	Q	V	G	16.00	45	2	MAIN QUAD	R-406A	RAW GAS VALVE	TOP #A	SG	Y	
5521	Q	V	G	16.00	45	2	MAIN QUAD	R-406A	TOP PRESSURE TAP VALVE	TOP #A	SG	Y	
5522	Q	V	G	16.00	45	2	MAIN QUAD	R-406A	TOP PRESSURE TAP VALVE	TOP #A	SG	Y	
5523	Q	G	G	16.00	45	2	MAIN QUAD	R-406A	TOP PRESSURE GAUGE	TOP #A	SG	Y	
5524	Q	PD	G	16.00	45	2	MAIN QUAD	R-406A	TOP PRESSURE TRANSDUCER	TOP #A	SG	Y	
5525	Q	V	G	16.00	45	2	MAIN QUAD	R-406A	DOWN RIVER GAS VALVE	TOP #A	SG	Y	
5526	A	V	L	57.63	45	2	MAIN QUAD	R-406-A	TOP LEVEL SOUTH PRESSURE TAP	TOP #A	LO	N	
5527	Q	V	L	57.63	45	2	MAIN QUAD	R-406-A	TOP LEVEL SOUTH PRESSURE TAP EXTENSION	TOP #A	LO	Y	ADDED 12-95
5528	Q	V	G	16.00	45	2	MAIN QUAD	R-406A	UNDER FIRE GAS VALVE	TOP #A	SG	Y	
5529	Q	V	G	16.00	45	2	MAIN QUAD	R-406A	SUB GAS VALVE	TOP #A	SG	Y	
5530	Q	V	G	16.00	45	2	MAIN QUAD	R-406A	TOP LEVEL NORTH STEAM VALVE	TOP #A	SG	Y	
5532	Q	VT	G	16.00	45	2	MAIN QUAD	R-406A	RELIEF VALVE	TOP #A	SG	Y	
5534	Q	V	G	16.00	45	2	MAIN QUAD	R-406A	MID LEVEL PRESSURE TAP VALVE	TOP #A	SG	Y	
5535	AIU	V	L	57.63	45	2	MAIN QUAD	R-406A	LOW LEVEL PRESSURE TAP COLD	TOP #A	LO	N	LO WASH
0454	UNIT B												
5540	Q	V	G	16.00	45	2	MAIN QUAD	R-406B	RAW GAS VALVE	TOP #B	SG	Y	
5541	Q	V	G	16.00	45	2	MAIN QUAD	R-406B	TOP PRESSURE TAP VALVE	TOP #B	SG	Y	
5542	Q	V	G	16.00	45	2	MAIN QUAD	R-406B	TOP PRESSURE TAP VALVE	TOP #B	SG	Y	
5543	Q	PD	G	16.00	45	2	MAIN QUAD	R-406B	TOP PRESSURE TRANSDUCER	TOP #B	SG	Y	
5544	Q	V	G	16.00	45	2	MAIN QUAD	R-406B	DOWN RIVER GAS VALVE	TOP #B	SG	Y	
5545	A	V	L	57.63	45	2	MAIN QUAD	R-406B	TOP LEVEL SOUTH PRESSURE TAP	TOP #B	LO	N	
5546	Q	V	L	57.63	45	2	MAIN QUAD	R-406B	TOP LEVEL SOUTH PRESSURE TAP EXTENSION	TOP #B	LO	Y	ADDED 2-95
5547	Q	V	G	16.00	45	2	MAIN QUAD	R-406B	UNDER FIRE GAS VALVE	TOP #B	SG	Y	
5548	Q	V	G	16.00	45	2	MAIN QUAD	R-406B	SUB GAS VALVE	TOP #B	SG	Y	
5549	A	V	G	16.00	45	2	MAIN QUAD	R-406B	TOP LEVEL NORTH STEAM VALVE	TOP #B	SG	N	
5551	Q	VT	G	16.00	45	2	MAIN QUAD	R-406B	RELIEF VALVE	TOP #B	SG	Y	
5553	Q	V	G	16.00	45	2	MAIN QUAD	R-406B	MID LEVEL PRESSURE TAP VALVE	TOP #B	SG	Y	
5554	AIU	V	L	57.63	45	2	MAIN QUAD	R-406B	LOW LEVEL PRESSURE TAP COLD	TOP #B	LO	N	LO WASH

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0455		UNIT C											
5560	Q	V	G	16.00	45	2	MAIN QUAD	R-406C	RAW GAS VALVE	TOP #C	SG	Y	
5561	Q	V	G	16.00	45	2	MAIN QUAD	R-406C	TOP PRESSURE TAP VALVE	TOP #C	SG	Y	
5562	Q	V	G	16.00	45	2	MAIN QUAD	R-406C	TOP PRESSURE TAP VALVE	TOP #C	SG	Y	
5563	Q	G	G	16.00	45	2	MAIN QUAD	R-406C	TOP PRESSURE GAUGE	TOP #C	SG	Y	
5564	Q	PD	G	16.00	45	2	MAIN QUAD	R-406C	TOP PRESSURE TRANSDUCER	TOP #C	SG	Y	
5565	Q	V	G	16.00	45	2	MAIN QUAD	R-406C	DOWN RIVER GAS VALVE	TOP #C	SG	Y	
5566	A	V	L	57.63	45	2	MAIN QUAD	R-406C	TOP LEVEL SOUTH PRESSURE TAP	TOP #C	LO	N	
5567	Q	V	L	57.63	45	2	MAIN QUAD	R-406C	TOP LEVEL SOUTH PRESSURE TAP EXTENSION	TOP #C	LO	Y	ADDED 2-95
5568	Q	V	G	16.00	45	2	MAIN QUAD	R-406C	UNDER FIRE GAS VALVE	TOP #C	SG	Y	
5569	Q	V	G	16.00	45	2	MAIN QUAD	R-406C	SUB GAS VALVE	TOP #C	SG	Y	
5570	A	V	L	57.63	45	2	MAIN QUAD	R-406C	TOP LEVEL NORTH STEAM TAP	TOP #C	LO	N	
5571	Q	V	G	16.00	45	2	MAIN QUAD	R-406C	RELIEF VALVE	TOP #C	SG	Y	
5573	Q	V	G	16.00	45	2	MAIN QUAD	R-406C	MID LEVEL PRESSURE TAP VALVE	TOP #C	SG	Y	
5574	AIU	V	L	57.63	45	2	MAIN QUAD	R-406C	LOW LEVEL PRESSURE TAP COLD	TOP #C	LO	N	LO WASH
0456		UNIT D											
5580	Q	V	G	16.00	45	2	MAIN QUAD	R-406D	RAW GAS VALVE	TOP #D	SG	Y	
5581	Q	V	G	16.00	45	2	MAIN QUAD	R-406D	TOP PRESSURE TAP VALVE	TOP #D	SG	Y	
5582	Q	V	G	16.00	45	2	MAIN QUAD	R-406D	TOP PRESSURE TAP VALVE	TOP #D	SG	Y	
5583	Q	PD	G	16.00	45	2	MAIN QUAD	R-406D	TOP PRESSURE TRANSDUCER	TOP #D	SG	Y	
5584	Q	V	G	16.00	45	2	MAIN QUAD	R-406D	DOWN RIVER GAS VALVE	TOP #D	SG	Y	
5585	A	V	L	57.63	45	2	MAIN QUAD	R-406D	TOP SOUTH PRESSURE TAP	TOP #D	LO	N	
5593	Q	V	L	57.63	43	2	MAIN QUAD	R-406D	TOP SOUTH STEAM EXTENSION	TOP #D	LO	Y	ADDED 9-98
5586	Q	V	G	16.00	45	2	MAIN QUAD	R-406D	UNDER FIRE GAS VALVE	TOP #D	SG	Y	
5587	Q	V	G	16.00	45	2	MAIN QUAD	R-406D	SUB GAS VALVE	TOP #D	SG	Y	
5588	A	V	L	57.63	45	2	MAIN QUAD	R-406D	TOP LEVEL NORTH STEAM VALVE	TOP #D	LO	N	
5589	Q	VT	G	16.00	45	2	MAIN QUAD	R-406D	RELIEF VALVE	TOP #D	SG	Y	
5591	Q	V	G	16.00	45	2	MAIN QUAD	R-406D	MID LEVEL PRESSURE TAP VALVE	TOP #D	SG	Y	
5592	AIU	V	L	57.63	45	2	MAIN QUAD	R-406-D	LOW LEVEL PRESSURE TAP COLD	TOP #D	LO	N	LO WASH

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TABLE 46
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
MAIN QUAD NO. 7

49 Quarterly Components, 4 Annual Components, 4 UTM Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #	Control Room							
0461		MAIN GAS BLOCKING VALVES											
5600	MIU	V	L	57.63	46	2	MAIN QUAD	R-407D	SUB GAS COLD SEPARATOR BLOCKING VALVE	BOTTOM	LO	Y	LO WASH
5601	MIU	V	L	57.63	46	2	MAIN QUAD	R-407D	DOWNRIVER GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	Y	LO WASH
5602	MIU	V	L	57.63	46	2	MAIN QUAD	R-407D	UNDERFIRE GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	Y	LO WASH
5603	MIU	V	L	57.63	46	2	MAIN QUAD	R-407C	SUB GAS COLD SEPARATOR BLOCKING VALVE	BOTTOM	LO	Y	LO WASH
5604	MIU	V	L	57.63	46	2	MAIN QUAD	R-407C	DOWNRIVER GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	Y	LO WASH
5605	MIU	V	L	57.63	46	2	MAIN QUAD	R-407C	UNDERFIRE GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	Y	LO WASH
5606	MIU	V	L	57.63	46	2	MAIN QUAD	R-407B	SUB GAS COLD SEPARATOR BLOCKING VALVE	BOTTOM	LO	Y	LO WASH
5607	MIU	V	L	57.63	46	2	MAIN QUAD	R-407B	DOWNRIVER GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	Y	LO WASH
5608	MIU	V	L	57.63	46	2	MAIN QUAD	R-407B	UNDERFIRE GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	Y	LO WASH
5609	MIU	V	L	57.63	46	2	MAIN QUAD	R-407A	SUB GAS COLD SEPARATOR BLOCKING VALVE	BOTTOM	LO	Y	LO WASH
5610	MIU	V	L	57.63	46	2	MAIN QUAD	R-407A	DOWNRIVER GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	Y	LO WASH
5611	MIU	V	L	57.63	46	2	MAIN QUAD	R-407A	UNDERFIRE GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	Y	LO WASH
0462		SUB GAS MANIFOLD / NITROGEN											
5615	N/A	V	GV	16.00	46	2	MAIN QUAD	QUAD 7	SUB GAS HEADER CLEAN OUT VALVE	HEADER	SG	N	
5616	N/A	V	GV	16.00	46	2	MAIN QUAD	QUAD 7	BLOCKING VALVE SUB GAS VACUUM LINE	HEADER	SG	Y	
5617	N/A	V	GV	16.00	46	2	MAIN QUAD	QUAD 7	BLOCKING VALVE NITROGEN PURGE	HEADER	SG	Y	
0463		UNIT A											
5620	Q	V	G	16.00	46	2	MAIN QUAD	R-407A	RAW GAS VALVE	TOP #A	SG	Y	
5621	Q	V	G	16.00	46	2	MAIN QUAD	R-407A	DOWN RIVER GAS VALVE	TOP #A	SG	Y	
5622	Q	V	G	16.00	46	2	MAIN QUAD	R-407A	UNDERFIRE GAS VALVE	TOP #A	SG	Y	
5623	Q	V	G	16.00	46	2	MAIN QUAD	R-407A	TOP PRESSURE TAP VALVE	TOP #A	SG	Y	
5624	Q	PD	G	16.00	46	2	MAIN QUAD	R-407A	TOP PRESSURE TRANSDUCER	TOP #A	SG	Y	
5625	Q	V	G	16.00	46	2	MAIN QUAD	R-407A	TOP PRESSURE TAP VALVE	TOP #A	SG	Y	
5626	Q	V	G	16.00	46	2	MAIN QUAD	R-407A	SUB GAS VALVE	TOP #A	SG	Y	
5627	UTM	V	L	57.63	46	2	MAIN QUAD	R-407A	TOP SOUTH STEAM VALVE	TOP #A	LO	N	
5629	Q	V	G	16.00	46	2	MAIN QUAD	R-407A	MID LEVEL PRESSURE TAP VALVE	MID #A	SG	Y	
5630	AIU	V	L	57.63	46	2	MAIN QUAD	R-407A	LOW LEVEL PRESSURE TAP COLD	LOW #A	LO	N	LO WASH
5631	Q	VT	G	16.00	46	2	MAIN QUAD	R-407A	RELIEF VALVE	TOP #A	SG	Y	
0464		UNIT B											
5640	Q	V	G	16.00	46	2	MAIN QUAD	R-407B	RAW GAS VALVE	TOP #B	SG	Y	
5641	Q	V	G	16.00	46	2	MAIN QUAD	R-407B	DOWN RIVER GAS VALVE	TOP #B	SG	Y	
5642	Q	V	G	16.00	46	2	MAIN QUAD	R-407B	UNDERFIRE GAS VALVE	TOP #B	SG	Y	
5643	Q	V	G	16.00	46	2	MAIN QUAD	R-407B	TOP PRESSURE TAP VALVE	TOP #B	SG	Y	
5644	Q	V	G	16.00	46	2	MAIN QUAD	R-407B	TOP PRESSURE TRANSDUCER	TOP #B	SG	Y	
5645	Q	V	G	16.00	46	2	MAIN QUAD	R-407B	TOP PRESSURE TAP VALVE	TOP #B	SG	Y	
5646	Q	V	G	16.00	46	2	MAIN QUAD	R-407B	SUB GAS VALVE	TOP #B	SG	Y	
5647	UTM	V	L	57.63	46	2	MAIN QUAD	R-407B	TOP LEVEL SOUTH STEAM VALVE	TOP #B	LO	N	
5648	Q	V	G	16.00	46	2	MAIN QUAD	R-407B	RELIEF VALVE	TOP #B	SG	Y	
5650	Q	V	G	16.00	46	2	MAIN QUAD	R-407B	MID LEVEL PRESSURE TAP VALVE	MID #B	SG	Y	
5651	AIU	V	L	57.63	46	2	MAIN QUAD	R-407B	LOW LEVEL PRESSURE TAP COLD	LOW #B	LO	N	

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0465		UNIT C											
5660	Q	V	G	16.00	46	2	MAIN QUAD	R-407C	RAW GAS VALVE	TOP #C	SG	Y	
5661	Q	V	G	16.00	46	2	MAIN QUAD	R-407C	DOWN RIVER GAS VALVE	TOP #C	SG	Y	
5662	Q	V	G	16.00	46	2	MAIN QUAD	R-407C	UNDERFIRE GAS VALVE	TOP #C	SG	Y	
5663	Q	V	G	16.00	46	2	MAIN QUAD	R-407C	TOP PRESSURE TAP VALVE	TOP #C	SG	Y	
5664	Q	V	G	16.00	46	2	MAIN QUAD	R-407C	TOP PRESSURE TAP VALVE	TOP #C	SG	Y	
5664	Q	PD	G	16.00	46	2	MAIN QUAD	R-407C	TOP PRESSURE TRANSDUCER	TOP #C	SG	Y	
5665	Q	V	G	16.00	46	2	MAIN QUAD	R-407C	TOP PRESSURE TAP VALVE	TOP #C	SG	Y	
5666	Q	V	G	16.00	46	2	MAIN QUAD	R-407C	SUB GAS VALVE	TOP #C	SG	Y	
5667	UTM	V	L	57.63	46	2	MAIN QUAD	R-407C	TOP LEVEL SOUTH STEAM VALVE	TOP #C	LO	N	
5669	Q	V	G	16.00	46	2	MAIN QUAD	R-407C	MID LEVEL PRESSURE TAP VALVE	MID #C	SG	Y	
5670	AIU	V	L	57.63	46	2	MAIN QUAD	R-407C	LOW LEVEL PRESSURE TAP COLD	LOW #C	LO	N	LO WASH
5671	Q	VT	G	16.00	46	2	MAIN QUAD	R-407C	RELIEF VALVE	TOP #C	SG	Y	
0456		UNIT D											
5680	Q	V	G	16.00	46	2	MAIN QUAD	R-407D	RAW GAS VALVE	TOP #D	SG	Y	
5681	Q	V	G	16.00	46	2	MAIN QUAD	R-407D	DOWN RIVER GAS VALVE	TOP #D	SG	Y	
5682	Q	V	G	16.00	46	2	MAIN QUAD	R-407D	UNDERFIRE GAS VALVE	TOP #D	SG	Y	
5683	Q	V	G	16.00	46	2	MAIN QUAD	R-407D	TOP PRESSURE TAP VALVE	TOP #D	SG	Y	
5684	Q	PD	G	16.00	46	2	MAIN QUAD	R-407D	TOP PRESSURE TRANSDUCER	TOP #D	SG	Y	
5685	Q	V	G	16.00	46	2	MAIN QUAD	R-407D	TOP PRESSURE TAP VALVE	TOP #D	SG	Y	
5686	Q	V	G	16.00	46	2	MAIN QUAD	R-407D	SUB GAS VALVE	TOP #D	SG	Y	
5687	UTM	V	L	57.63	46	2	MAIN QUAD	R-407D	TOP LEVEL SOUTH STEAM VALVE	TOP #D	LO	N	
5688	Q	VT	G	16.00	46	2	MAIN QUAD	R-407D	RELIEF VALVE	TOP #D	SG	Y	
5690	Q	V	G	16.00	46	2	MAIN QUAD	R-407D	MID LEVEL PRESSURE TAP VALVE	MID #D	SG	Y	
5691	AIU	V	L	57.63	46	2	MAIN QUAD	R-407D	LOW LEVEL PRESSURE TAP COLD	LOW #D	LO	N	LO WASH

TABLE 47
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
LIGHT OIL SEPARATOR AREA

23 Quarterly Components, 3 Annual Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #	Control Room							
0471		SUB GAS OUT											
6040	Q	V	G	16.00	47	2	WATER SEP	D-573	SUB GAS OUT BY PASS BLOCKING VALVE	LEVEL 2A	SG	Y	
6041	Q	V	G	16.00	47	2	WATER SEP	D-573	SUB GAS OUT BLOCKING VALVE	LEVEL 2A	SG	Y	
6042	Q	V	G	16.00	47	2	WATER SEP	D-573	CLEAN OUT VALVES SUB GAS OUT	LEVEL 2A	SG	Y	
6043	Q	V	G	16.00	47	2	WATER SEP	D-573	CLEAN OUT VALVES SUB GAS OUT	LEVEL 2A	SG	Y	
6044	Q	V	G	16.00	47	2	WATER SEP	D-573	CLEAN OUT VALVES SUB GAS OUT	LEVEL 2A	SG	Y	
6045	Q	V	G	16.00	47	2	WATER SEP	D-573	CLEAN OUT VALVES SUB GAS OUT	LEVEL 2A	SG	Y	
6046	Q	V	G	16.00	47	2	WATER SEP	D-573	BLOCKING VALVE FOR RELIEF VALVE	LEVEL 2A	SG	Y	
6047	Q	V	G	16.00	47	2	WATER SEP	D-573	RELIEF VALVE	LEVEL 2A	SG	Y	
6048	Q	V	G	16.00	47	2	WATER SEP	D-573	CLEAN OUT VALVES SUB GAS OUT	LEVEL 2A	SG	Y	NEW 12-95
0472		SIGHT GLASS / LEVEL CONTROL - BOTTOM											
6000	Q	V	G	16.00	47	2	WATER SEP	D-573	BOTTOM LEVEL CONTROL	GROUND LEVEL	SG	Y	
6001	Q	V	G	16.00	47	2	WATER SEP	D-573	BOTTOM SIGHT GLASS	GROUND LEVEL	SG	Y	
6002	Q	V	G	16.00	47	2	WATER SEP	D-573	BOTTOM LEVEL CONTROL STEAM LINE	GROUND LEVEL	SG	Y	
6003	Q	V	G	16.00	47	2	WATER SEP	D-573	BOTTOM SIGHT GLASS	GROUND LEVEL	SG	Y	
6004	Q	V	G	16.00	47	2	WATER SEP	D-573	BOTTOM SIGHT GLASS DRAIN	GROUND LEVEL	SG	Y	
0473		SIGHT GLASS / LEVEL CONTROL - TOP											
6030	Q	V	L	57.63	47	2	WATER SEP	D-573	LEVEL CONTROL TOP VALVE	SECOND LEVEL	LOW	Y	
6031	Q	V	L	57.63	47	2	WATER SEP	D-573	SIGHT GLASS/ LEVEL CONTROL TOP VALVE	SECOND LEVEL	LOW	Y	
6032	Q	V	L	57.63	47	2	WATER SEP	D-573	SIGHT GLASS/ LEVEL CONTROL TOP DRAIN	SECOND LEVEL	LOW	Y	
0474		INJECTION / CONTAMINATED WATER											
6011	N/A	V	L	nil	47	2	LO SEP	D-573	CONTAMINATED WATER LINE DRAIN BACKUP	GROUND LEVEL	W	Y	
6012	N/A	V	L	nil	47	2	LO SEP	D-573	CONTAMINATED WATER LINE DRAIN	GROUND LEVEL	W	Y	
6013	N/A	V	L	nil	47	2	LO SEP	D-573	INJECTION WATER LINE BLOCKING	GROUND LEVEL	W	Y	
6014	N/A	V	L	nil	47	2	LO SEP	D-573	INJECTION WATER LINE DRAIN	GROUND LEVEL	W	Y	
6015	N/A	V	L	nil	47	2	LO SEP	D-573	CONTAMINATED WATER LINE DRAIN	GROUND LEVEL	W	Y	
6016	N/A	V	L	nil	47	2	LO SEP	D-573	CONTAMINATED WATER LINES	GROUND LEVEL	W	Y	
6017	N/A	V	L	nil	47	2	LO SEP	D-573	CONTAMINATED WATER LINES DRAIN	GROUND LEVEL	W	Y	NEW 12/95
6018	N/A	V	L	nil	47	2	LO SEP	D-573	CONTAMINATED WATER LINES BLOCKING	GROUND LEVEL	W	Y	
6019	N/A	V	L	nil	47	2	LO SEP	D-573	CONTAMINATED WATER LINES DRAIN	GROUND LEVEL	W	Y	NEW 12/95
6020	N/A	V	L	nil	47	2	LO SEP	D-573	CONTAMINATED WATER LINES DRAIN BACKUP	GROUND LEVEL	W	Y	NEW 12/95
0475		DISCHARGE TO DECANTERS											
6005	Q	V	G	57.63	47	2	LO SEP	5730B	CONTROL STATION DUMP LINE	GROUND LEVEL	LO	Y	
6006	Q	V	G	57.63	47	2	LO SEP	5730B	CONTROL VALVE DUMP LINE	GROUND LEVEL	LO	Y	
6007	Q	V	G	57.63	47	2	LO SEP	5730B	CONTROL STATION DUMP LINE CONTROL VALVE	GROUND LEVEL	LO	Y	
6008	Q	V	G	57.63	47	2	LO SEP	5730B	CONTROL STATION DUMP BLOCK VALVE	GROUND LEVEL	LO	Y	NEW 12/95
6009	Q	V	G	57.63	47	2	LO SEP	5730B	DUMP VALVE BYPASS	GROUND LEVEL	LO	Y	
0476		SUB GAS IN											
6049	A	V	G	16.00	47	2	WATER SEP	D-573	RELIEF VALVE	LEVEL 2A	SG	N	
6050	A	V	G	16.00	47	2	WATER SEP	D-573	SUB GAS INLET PRESSURE TAP	LEVEL 2A	SG	N	
6051	A	G	G	16.00	47	2	WATER SEP	D-573	PRESSURE GAUGE	LEVEL 2A	SG	N	
OTHER													
6034	Q	V	L	57.63	47	2	WATER SEP		WATER SEPARATOR PRESSURE TAP VALVE	SECOND LEVEL	LOW	Y	NEW 12/95

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TABLE 48
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
SUB GAS COOLERS

33 Quarterly Components, 10 Annual Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #	Control Room							
0481		COOLER 629 IN											
6107	Q	V	G	16.00	48	2	COOLER	E-629	INLET BLOCKING VALVE	ENTRY END	SG	Y	
6108	Q	V	G	16.00	48	2	COOLER	E-629	INLET CLEANOUT VALVE	ENTRY END	SG	Y	
6109	Q	V	G	16.00	48	2	COOLER	E-629	INLET CLEANOUT VALVE	ENTRY END	SG	Y	
6110	Q	V	G	16.00	48	2	COOLER	E-629	INLET COOLER CLEANOUT VALVE	ENTRY END	SG	Y	
6126	Q	V	G	16.00	48	2	COOLER	E-629	INLET END RELIEF VALVE	ENTRY END	SG	Y	NEW 12-95
0482		COOLER 629 OUT											
6130	Q	V	G	16.00	48	2	COOLER	E-629	OUTLET CLEANOUT VALVE	DISCHARGE END	SG	Y	
6131	Q	V	G	16.00	48	2	COOLER	E-629	OUTLET CLEANOUT VALVE	DISCHARGE END	SG	Y	
6132	Q	V	G	16.00	48	2	COOLER	E-629	OUTLET CLEANOUT VALVE	DISCHARGE END	SG	Y	
6133	A	V	G	16.00	48	2	COOLER	E-629	OUTLET BLOCKING VALVE	DISCHARGE END	SG	N	
0483		COOLER 630 IN											
6102	Q	V	G	16.00	48	2	SEPARATOR	D-573	INLET BLOCKING VALVE	ENTRY END	SG	Y	
6103	Q	V	G	16.00	48	2	COOLER	E-630	INLET CLEANOUT VALVE	ENTRY END	SG	Y	
6104	Q	V	G	16.00	48	2	COOLER	E-630	INLET CLEANOUT VALVE	ENTRY END	SG	Y	
6111	Q	V	G	16.00	48	2	COOLER	E-630	INLET COOLER CLEANOUT VALVE	ENTRY END	SG	Y	
6127	Q	V	G	16.00	48	2	COOLER	E-629	INLET END RELIEF VALVE	ENTRY END	SG	Y	
0484		COOLER 630 OUT											
6135	Q	V	G	16.00	48	2	COOLER	E-630	OUTLET COOLER CLEANOUT	DISCHARGE END	SG	Y	
6136	Q	V	G	16.00	48	2	COOLER	E-630	OUTLET CLEANOUT VALVE	DISCHARGE END	SG	Y	
6137	Q	V	G	16.00	48	2	COOLER	E-630	OUTLET CLEANOUT VALVE	DISCHARGE END	SG	Y	
6138	A	V	G	16.00	48	2	COOLER	E-630	OUTLET BLOCKING VALVE	DISCHARGE END	SG	N	
0485		COOLER 632 IN											
6114	Q	V	G	16.00	48	2	COOLER	E-630	INLET PRESSURE BLOCKING	ENTRY END	SG	Y	
6115	Q	V	G	16.00	48	2	COOLER	E-632	INLET BLOCKING VALVE	ENTRY END	SG	Y	
6116	Q	V	G	16.00	48	2	COOLER	E-632	INLET PRESSURE GAUGE	ENTRY END	SG	Y	
6117	Q	V	G	16.00	48	2	COOLER	E-632	INLET CLEANOUT VALVE	ENTRY END	SG	Y	
6123	Q	V	G	16.00	48	2	COOLER	E-632	INLET COOLER CLEANOUT VALVE	ENTRY END	SG	Y	
6128	Q	V	G	16.00	48	2	COOLER	E-629	INLET END RELIEF VALVE	ENTRY END	SG	Y	
0486		COOLER 632 OUT											
6145	Q	V	G	16.00	48	2	COOLER	E-632	OUTLET COOLER CLEANOUT VALVE	DISCHARGE END	SG	Y	
6146	Q	V	G	16.00	48	2	COOLER	E-632	OUTLET CLEANOUT VALVE	DISCHARGE END	SG	Y	
6147	Q	V	G	16.00	48	2	COOLER	E-632	OUTLET CLEANOUT VALVE	DISCHARGE END	SG	Y	
6148	A	V	G	16.00	48	2	COOLER	E-632	OUTLET BLOCKING VALVE	DISCHARGE END	SG	N	
0487		COOLER 633 IN											
6118	A	V	G	16.00	48	2	SEPARATOR	D-573	COOLER INLET MANIFOLD BLOCKING VALVE	ENTRY END	SG	N	NEW 12-95
6119	A	V	G	16.00	48	2	SEPARATOR	D-573	COOLER INLET MANIFOLD DRAIN	ENTRY END	SG	N	NEW 12-95
6120	Q	V	G	16.00	48	2	COOLER	E-633	INLET BLOCKING VALVE	ENTRY END	SG	Y	
6121	Q	V	G	16.00	48	2	COOLER	E-633	INLET CLEANOUT VALVE	ENTRY END	SG	Y	
6122	Q	V	G	16.00	48	2	COOLER	E-633	INLET CLEANOUT VALVE	ENTRY END	SG	Y	
6124	Q	V	G	16.00	48	2	COOLER	E-633	INLET COOLER CLEANOUT VALVE	ENTRY END	SG	Y	
6125	Q	V	G	16.00	48	2	COOLER	E-633	INLET END RELIEF VALVE	ENTRY END	SG	Y	
0488		COOLER 633 OUT											
6149	Q	V	G	16.00	48	2	COOLER	E-633	OUTLET COOLER PRESSURE GAUGE	DISCHARGE END	SG	Y	
6150	Q	V	G	16.00	48	2	COOLER	E-633	OUTLET COOLER PRESSURE TAP	DISCHARGE END	SG	Y	
6151	A	V	G	16.00	48	2	COOLER	E-633	OUTLET BLOCKING VALVE	DISCHARGE END	SG	N	
6152	Q	V	G	16.00	48	2	COOLER	E-633	OUTLET CLEANOUT VALVE	DISCHARGE END	SG	Y	
0489		INLET COOLER MANIFOLD											
6100	A	V	G	16.00	46	2	SEPARATOR	D-573	INLET MANIFOLD DRAIN	ENTRY END	SG	N	
6101	A	V	G	16.00	48	2	SEPARATOR	D-573	COOLER INLET MANIFOLD BLOCKING VALVE	ENTRY END	SG	N	NEW 12-95
6106	A	G	G	16.00	48	2	COOLER	E-629	INLET MANIFOLD PRESSURE GAUGE	ENTRY END	SG	N	
OTHER													
6134	A	V	G	16.00	48	2	COOLER	E-629	OUTLET COOLER MANIFOLD CLEANOUT VALVE	DISCHARGE END	SG	N	

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TABLE 49
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
SUB GAS WATER SEPARATOR

25 Quarterly Components, 5 Annual Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #	Control Room							
0491		DECANTER DRAIN CONTROL STATION											
6200	Q	V	G	57.63	49	2	SEPARATOR	D-575	DRAIN TO DECANTERS	GROUND LEVEL	LOW	Y	CONTROL STATION
6201	Q	V	G	57.63	49	2	SEPARATOR	D-575	DRAIN TO DECANTERS	GROUND LEVEL	LOW	Y	CONTROL STATION
6202	Q	V	G	57.63	49	2	SEPARATOR	D-575	DRAIN TO DECANTERS	GROUND LEVEL	LOW	Y	CONTROL STATION
6203	Q	V	G	57.63	49	2	SEPARATOR	D-575	DRAIN TO DECANTERS	GROUND LEVEL	LOW	Y	CONTROL STATION
6204	Q	V	G	57.63	49	2	SEPARATOR	D-575	DRAIN TO DECANTERS	GROUND LEVEL	LOW	Y	CONTROL STATION
6205	Q	V	G	57.63	49	2	SEPARATOR	D-575	DRAIN TO DECANTERS	GROUND LEVEL	LOW	Y	CONTROL STATION
6206	Q	V	G	57.63	49	2	SEPARATOR	D-575	DRAIN TO DECANTERS	GROUND LEVEL	LOW	Y	CONTROL STATION
OTHER													
6207	Q	V	G	57.63	49	2	SEPARATOR	D-575	WATER SEPARATOR BOTTOM DRAIN	GROUND LEVEL	LOW	Y	
0492		SIGHT GLASS AND LEVEL CONTROL											
6210	Q	V	G	57.63	49	2	SEPARATOR	D-575	LEVEL CONTROL BOTTOM CLEANOUT	GROUND LEVEL	LOW	Y	
6211	Q	V	G	57.63	49	2	SEPARATOR	D-575	LEVEL CONTROL BOTTOM	GROUND LEVEL	LOW	Y	
6212	A	V	G	57.63	49	2	SEPARATOR	D-575	TOP VALVE LEVEL CONTROL	GROUND LEVEL	LOW	N	
6213	A	V	G	57.63	49	2	SEPARATOR	D-575	TOP VALVE LEVEL CONTROL	GROUND LEVEL	LOW	N	
6214	A	V	G	57.63	49	2	SEPARATOR	D-575	TOP VALVE SIGHT GLASS/ LEVEL CONTROL	GROUND LEVEL	LOW	N	
6215	A	V	G	57.63	49	2	SEPARATOR	D-575	TOP VALVE SIGHT GLASS/ LEVEL CONTROL	GROUND LEVEL	LOW	N	
6216	A	V	G	57.63	49	2	SEPARATOR	D-575	TOP VALVE SIGHT GLASS/ LEVEL CONTROL	GROUND LEVEL	LOW	N	
6217	Q	SG	G	57.63	49	2	SEPARATOR	D-575	SIGHT GLASS	GROUND LEVEL	LOW	Y	
6218	Q	V	G	57.63	49	2	SEPARATOR	D-575	SIGHT GLASS DRAIN	GROUND LEVEL	LOW	Y	NEW 12-95
6219	Q	V	G	57.63	49	2	SEPARATOR	D-575	SIGHT GLASS DRAIN	GROUND LEVEL	LOW	Y	NEW 12-95
6220	Q	V	G	57.63	49	2	SEPARATOR	D-575	SIGHT GLASS DRAIN	GROUND LEVEL	LOW	Y	NEW 12-95
6221	Q	V	G	57.63	49	2	SEPARATOR	D-575	SIGHT GLASS DRAIN	GROUND LEVEL	LOW	Y	NEW 12-95
6222	Q	V	G	57.63	49	2	SEPARATOR	D-575	SIGHT GLASS BOTTOM VALVE	GROUND LEVEL	LOW	Y	
0493		SUB GAS OUT											
6230	Q	V	G	16.00	49	2	SEPARATOR	D-575	TOP PRESSURE TAP	TOP OF UNIT	SG	Y	
6231	Q	V	G	16.00	49	2	SEPARATOR	D-575	BYPASS VALVE TO D 576	TOP OF UNIT	SG	Y	
6232	Q	V	G	16.00	49	2	SEPARATOR	D-575	RELIEF BLOCKING VALVE	TOP OF UNIT	SG	Y	
6233	Q	V	G	16.00	49	2	SEPARATOR	D-575	RELIEF VALVE	TOP OF UNIT	SG	Y	
6234	Q	V	G	16.00	49	2	SEPARATOR	D-575	OUTLET CLEANOUT VALVE	TOP OF UNIT	SG	Y	
6235	Q	V	G	16.00	49	2	SEPARATOR	D-575	RELIEF VALVE	TOP OF UNIT	SG	Y	
6236	Q	V	G	16.00	49	2	SEPARATOR	D-575	CLEANOUT	TOP OF UNIT	SG	Y	
6237	Q	V	G	16.00	49	2	SEPARATOR	D-575	PRESSURE TAP	TOP OF UNIT	SG	Y	
6238	Q	G	G	16.00	49	2	SEPARATOR	D-575	PRESSURE GAUGE	TOP OF UNIT	SG	Y	

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TABLE 50
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
SUB GAS AMMONIA COOLERS

14 Quarterly Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #	Control Region							
0501		COOLER IN											
6300	Q	V	G	16.00	50	2	COOLER	E-635	INLET BLOCKING VALVE	ENTRY END	SG	Y	
6301	Q	V	G	16.00	50	2	COOLER	E-635	INLET CLEANOUT VALVE	ENTRY END	SG	Y	
6302	Q	V	G	16.00	50	2	COOLER	E-635	INLET CLEANOUT VALVE	ENTRY END	SG	Y	NEW 12-95
6303	Q	V	G	16.00	50	2	COOLER	E-635	INLET CLEANOUT VALVE BACKUP	ENTRY END	SG	Y	NEW 12-95
6304	Q	V	G	16.00	50	2	COOLER	E-637	INLET CLEANOUT VALVE	ENTRY END	SG	Y	
6305	Q	V	G	16.00	50	2	COOLER	E-637	INLET CLEANOUT VALVE BACKUP	ENTRY END	SG	Y	NEW 12-95
6306	Q	V	G	16.00	50	2	COOLER	E-638	INLET BLOCKING VALVE	ENTRY END	SG	Y	
6307	Q	V	G	16.00	50	2	COOLER	E-638	INLET CLEANOUT VALVE	ENTRY END	SG	Y	
0502		COOLER OUT											
6308	Q	V	G	16.00	50	2	COOLER	E-638	OUTLET CLEANOUT VALVE	DISCHARGE END	SG	Y	
6309	Q	V	G	16.00	50	2	COOLER	E-638	OUTLET BLOCKING VALVE	DISCHARGE END	SG	Y	
6310	Q	V	G	16.00	50	2	COOLER	E-637	OUTLET CLEANOUT VALVE	DISCHARGE END	SG	Y	
6311	Q	V	G	16.00	50	2	COOLER	E-637	OUTLET CLEANOUT VALVE	DISCHARGE END	SG	Y	NEW 12-95
6312	Q	V	G	16.00	50	2	COOLER	E-635	OUTLET BLOCKING VALVE	DISCHARGE END	SG	Y	
6313	Q	V	G	16.00	50	2	COOLER	E-635	OUTLET CLEANOUT VALVE	DISCHARGE END	SG	Y	

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TABLE 51
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
SUB GAS AMMONIA COOLER SEPARATOR

41 Quarterly Components, 5 Annual Components, 4 UTM Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #	Control Room						
0511		**DRAIN TO DECANTERS**										
6402	Q	V	L	57.63	51	2	SEPARATOR	D-576	FEED LINE TO DECANTER CLEANOUT	GROUND LEVEL	LOW	Y
6403	Q	V	L	57.63	51	2	SEPARATOR	D-576	FEED LINE TO DECANTER CLEANOUT	GROUND LEVEL	LOW	Y
6404	Q	V	L	57.63	51	2	SEPARATOR	D-576	FEED LINE TO DECANTER BLOCKING	GROUND LEVEL	LOW	Y
6405	Q	V	L	57.63	51	2	SEPARATOR	D-576	FEED LINE TO DECANTER BLOCKING BYPASS	GROUND LEVEL	LOW	Y
6406	Q	V	L	57.63	51	2	SEPARATOR	D-576	FEED LINE TO DECANTER DRAIN	GROUND LEVEL	LOW	Y
6407	Q	V	L	57.63	51	2	SEPARATOR	D-576	FEED LINE TO DECANTER DRAIN	GROUND LEVEL	LOW	Y
6408	Q	V	L	57.63	51	2	SEPARATOR	D-576	FEED LINE TO DECANTER DRAIN	GROUND LEVEL	LOW	Y
6409	Q	V	L	57.63	51	2	SEPARATOR	D-576	FEED LINE TO DECANTER BLOCKING	GROUND LEVEL	LOW	Y
6410	Q	V	L	57.63	51	2	SEPARATOR	D-576	FEED LINE TO DECANTER CONTROL	GROUND LEVEL	LOW	Y
0512		**SEPARATOR SG/LC BOTTOM**										
6411	Q	V	L	57.63	51	2	SEPARATOR	D-576	BOTTOM SIGHT GLASS	GROUND LEVEL	LOW	Y
6412	Q	V	L	57.63	51	2	SEPARATOR	D-576	BOTTOM SIGHT GLASS	GROUND LEVEL	LOW	Y
6417	Q	V	L	57.63	51	2	SEPARATOR	D-576	SIGHTGLASS/LEVEL CONTROL VALVE	GROUND LEVEL	LOW	Y
6418	Q	V	L	57.63	51	2	SEPARATOR	D-576	BOTTOM SIGHT GLASS DRAIN	GROUND LEVEL	LOW	Y
6419	Q	V	L	57.63	51	2	SEPARATOR	D-576	SIGHTGLASS/LEVEL CONTROL VALVE	GROUND LEVEL	LOW	Y
6420	Q	V	L	57.63	51	2	SEPARATOR	D-576	BOTTOM LEVEL CONTROL DRAIN	GROUND LEVEL	LOW	Y
6421	Q	V	L	57.63	51	2	SEPARATOR	D-576	LEVEL CONTROL VALVE	GROUND LEVEL	LOW	Y
6422	Q	V	L	57.63	51	2	SEPARATOR	D-576	LEVEL CONTROL VALVE	GROUND LEVEL	LOW	Y
6426	Q	V	L	57.63	51	2	SEPARATOR	D-576	SIGHTGLASS VALVE	GROUND LEVEL	LOW	Y
0513		**REGENERATOR FEED SPLITTER**										
6453	Q	V	G	16.00	51	2	SEPARATOR	D-576	SUB GAS SPLITTER DRAIN	THIRD LEVEL	SG	Y
6454	Q	V	G	16.00	51	2	SEPARATOR	D-576	SUB GAS SPLITTER DRAIN	THIRD LEVEL	SG	Y
6455	Q	V	G	16.00	51	2	SEPARATOR	D-576	SUB GAS SPLITTER VALVE	THIRD LEVEL	SG	Y
6456	Q	V	G	16.00	51	2	SEPARATOR	D-576	SUB GAS SPLITTER VALVE	THIRD LEVEL	SG	Y
6457	Q	V	G	16.00	51	2	SEPARATOR	D-576	SUB GAS SPLITTER VALVE	THIRD LEVEL	SG	Y
6458	A	V	G	16.00	51	2	SEPARATOR	D-576	SUB GAS SPLITTER VALVE	10' UP	SG	N
6459	Q	V	G	16.00	51	2	SEPARATOR	D-576	SUB GAS SPLITTER VALVE	THIRD LEVEL	SG	Y
6460	Q	V	G	16.00	51	2	SEPARATOR	D-576	SUB GAS SPLITTER VALVE	THIRD LEVEL	SG	Y
6461	Q	V	G	16.00	51	2	SEPARATOR	D-576	SUB GAS SPLITTER VALVE	THIRD LEVEL	SG	Y
0514		**SUB GAS IN**										
6430	Q	V	G	16.00	51	2	SEPARATOR	D-576	SUB GAS INLET VALVE	SECOND LEVEL	SG	Y
6431	Q	V	G	16.00	51	2	SEPARATOR	D-576	CLEANOUT VALVE	SECOND LEVEL	SG	Y
6432	Q	V	L	57.63	51	2	SEPARATOR	D-576	CLEANOUT VALVE	SECOND LEVEL	LOW	Y
6433	Q	V	L	57.63	51	2	SEPARATOR	D-576	INLET PRESSURE TAP THREEVALVE BLOCK	SECOND LEVEL	LOW	Y
0515		**SEPARATOR SG/LC TOP**										
6413	Q	SG	L	57.63	51	2	SEPARATOR	D-576	SIGHTGLASS	GROUND LEVEL	LOW	Y
6414	A	V	G	16.00	51	2	SEPARATOR	D-576	SIGHTGLASS VALVE CLEANOUT	12 FEET UP	SG	N
6415	A	V	G	16.00	51	2	SEPARATOR	D-576	SIGHTGLASS VALVE BLOCKING	12 FEET UP	SG	N
6416	A	V	G	16.00	51	2	SEPARATOR	D-576	SIGHTGLASS/LEVEL CONTROL VALVE	12 FEET UP	SG	N
6424	A	V	G	16.00	51	2	SEPARATOR	D-576	LEVEL CONTROL VALVE TOP CLEANOUT	12 FEET UP	SG	N
6425	Q	LC	G	16.00	51	2	SEPARATOR	D-576	LEVEL CONTROL	GROUND LEVEL	SG	Y
0516		**SUB GAS OUT**										
6429	UTM	V	G	16.00	51	2	SEPARATOR	D-576	SUB SUB GAS RECYCLE	10' UP, 12' OUT	SG	N
6434	Q	V	G	16.00	51	2	SEPARATOR	D-576	RELIEF VALVE BLOCKING VALVE	SECOND LEVEL	SG	Y
6435	Q	V	G	16.00	51	2	SEPARATOR	D-576	RELIEF VALVE	THIRD LEVEL	SG	Y
6436	UTM	V	G	16.00	51	2	SEPARATOR	D-576	SUB GAS OUTLET VALVE	10' UP, 12' OUT	SG	N
6437	Q	V	G	16.00	51	2	SEPARATOR	D-576	D-576 BYPASS VALVE	SECOND LEVEL	SG	Y
6438	UTM	V	G	16.00	51	2	SEPARATOR	D-576	SUB GAS OUT CLEANOUT VALVE	10' UP, 12' OUT	SG	N
6439	UTM	V	G	16.00	51	2	SEPARATOR	D-576	SUB GAS COOLERS BYPASS	10' UP, 12' OUT	SG	N
6440	Q	V	G	16.00	51	2	SEPARATOR	D-576	RELIEF VALVE	THIRD LEVEL	SG	Y
6450	Q	V	G	16.00	51	2	SEPARATOR	D-576	SUB GAS COOLERS BYPASS	THIRD LEVEL	SG	Y
6451	Q	V	G	16.00	51	2	SEPARATOR	D-576	SUB GAS COOLERS BYPASS	THIRD LEVEL	SG	Y
6452	Q	V	G	16.00	51	2	SEPARATOR	D-576	SUB GAS COOLERS BYPASS	THIRD LEVEL	SG	Y
OTHER												
6400	Q	V	L	57.63	51	2	SEPARATOR	D-576	BOTTOM DRAIN	GROUND LEVEL	LOW	Y

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6401	Q	V	L	57.63	51	2	SEPARATOR	D-576	BOTTOM CLEANOUT	GROUND LEVEL	LOW	Y	ADDED 12-95

TABLE 52
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
VACUUM MACHINE HEADERS

0 Quarterly Components, 0 Annual Components, 11 UTM Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #	Control Room						
6500	N/A	V	GV	16.00	52	2	HEADER	VAC MACHINE INLET MANIFOLD BLOCKING	IN INACCESSIBLE	SG	N	ABOUT 15 FT ABOVE GROUND
6501	N/A	V	GV	16.00	52	2	HEADER	VAC MACHINE INLET MANIFOLD BLOCKING	IN INACCESSIBLE	SG	N	ABOUT 15 FT ABOVE GROUND
6502	N/A	V	GV	16.00	52	2	HEADER	VAC MACHINE INLET MANIFOLD BLOCKING	IN INACCESSIBLE	SG	N	ABOUT 15 FT ABOVE GROUND
6503	N/A	V	GV	16.00	52	2	HEADER	VAC MACHINE INLET MANIFOLD BLOCKING	IN INACCESSIBLE	SG	N	ABOUT 15 FT ABOVE GROUND
6504	N/A	V	GV	16.00	52	2	HEADER	VAC MACHINE INLET MANIFOLD BLOCKING	IN INACCESSIBLE	SG	N	ABOUT 15 FT ABOVE GROUND
6505	N/A	V	GV	16.00	52	2	HEADER	VAC MACHINE INLET MANIFOLD BLOCKING	IN INACCESSIBLE	SG	N	ABOUT 15 FT ABOVE GROUND
6510	UTM	V	G	16.00	52	2	HEADER	VAC MACHINE EXHAUST MANIFOLD BLOCKING	OUT INACCESSIBLE	SG	N	ABOUT 15 FT ABOVE GROUND
6511	UTM	V	G	16.00	52	2	HEADER	VAC MACHINE EXHAUST MANIFOLD BLOCKING	OUT INACCESSIBLE	SG	N	ABOUT 15 FT ABOVE GROUND
6512	UTM	V	G	16.00	52	2	HEADER	VAC MACHINE EXHAUST MANIFOLD BLOCKING	OUT INACCESSIBLE	SG	N	ABOUT 15 FT ABOVE GROUND
6513	UTM	V	G	16.00	52	2	HEADER	VAC MACHINE EXHAUST MANIFOLD BLOCKING	OUT INACCESSIBLE	SG	N	ABOUT 15 FT ABOVE GROUND
6514	UTM	V	G	16.00	52	2	HEADER	VAC MACHINE EXHAUST MANIFOLD BLOCKING	OUT INACCESSIBLE	SG	N	ABOUT 15 FT ABOVE GROUND
6515	UTM	V	G	16.00	52	2	HEADER	VAC MACHINE EXHAUST MANIFOLD CLEANOUT	OUT INACCESSIBLE	SG	N	ABOUT 15 FT ABOVE GROUND
6516	UTM	V	G	16.00	52	2	HEADER	VAC MACHINE EXHAUST MANIFOLD BLOCKING	OUT INACCESSIBLE	SG	N	ABOUT 15 FT ABOVE GROUND
6517	UTM	V	G	16.00	52	2	HEADER	VAC MACHINE EXHAUST MANIFOLD BLOCKING	OUT INACCESSIBLE	SG	N	ABOUT 15 FT ABOVE GROUND
6518	UTM	V	G	16.00	52	2	HEADER	VAC MACHINE EXHAUST MANIFOLD BLOCKING	OUT INACCESSIBLE	SG	N	ABOUT 15 FT ABOVE GROUND
6519	UTM	V	G	16.00	52	2	HEADER	VAC MACHINE EXHAUST MANIFOLD BLOCKING	OUT INACCESSIBLE	SG	N	ABOUT 15 FT ABOVE GROUND
6520	UTM	V	G	16.00	52	2	HEADER	VAC MACHINE EXHAUST MANIFOLD BLOCKING	OUT INACCESSIBLE	SG	N	ABOUT 15 FT ABOVE GROUND

TABLE 53
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
LIGHT OIL REGENERATOR R-582

34 Quarterly Components, 2 Annual Components, 2 UTM Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #	Control Room							
0531		LIGHT OIL WASH SYSTEM - BOTTOM											
6600	AIU	V	L	57.63	53	2	LO REGEN	R-582	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	N	LO WASH
6601	MIU	V	L	57.63	53	2	LO REGEN	R-582	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	Y	LO WASH
6602	MIU	V	L	57.63	53	2	LO REGEN	R-582	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	Y	LO WASH
6603	MIU	V	L	57.63	53	2	LO REGEN	R-582	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	Y	LO WASH
6604	MIU	V	L	57.63	53	2	LO REGEN	R-582	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	Y	LO WASH
6605	MIU	V	L	57.63	53	2	LO REGEN	R-582	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	Y	LO WASH, ADDED 12-95
6606	AIU	V	L	57.63	53	2	LO REGEN	R-582	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	N	LO WASH, ADDED 12-95
6607	MIU	V	L	57.63	53	2	LO REGEN	R-582	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	Y	LO WASH, ADDED 12-95
6608	MIU	V	L	57.63	53	2	LO REGEN	R-582	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	Y	LO WASH, ADDED 12-95
6609	MIU	V	L	57.63	53	2	LO REGEN	R-582	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	Y	LO WASH
6610	MIU	V	L	57.63	53	2	LO REGEN	R-582	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	Y	LO WASH, ADDED 12-95
6611	MIU	V	L	57.63	53	2	LO REGEN	R-582	LO WASH SYSTEM NITROGEN	GROUND LEVEL	LOM	Y	LO WASH, ADDED 12-95
6612	MIU	V	L	57.63	53	2	LO REGEN	R-582	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	Y	LO WASH
6613	MIU	V	L	57.63	53	2	LO REGEN	R-582	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	Y	LO WASH, ADDED 12-95
6614	MIU	V	L	57.63	53	2	LO REGEN	R-582	LO WASH SYSTEM INLET VALVE	GROUND LEVEL	LOM	Y	LO WASH, ADDED 12-95
0532		LIGHT OIL WASH SYSTEM - TOP											
6620	MIU	V	L	57.63	53	2	LO REGEN	R-582	LO WASH SYSTEM VALVE BLOCKING	UPPER MID LEVEL	LOM	Y	LO WASH
6621	MIU	V	L	57.63	53	2	LO REGEN	R-582	LO WASH SYSTEM VALVE CLEANOUT	UPPER MID LEVEL	LOM	Y	LO WASH
6622	MIU	V	L	57.63	53	2	LO REGEN	R-582	LO WASH SYSTEM VALVE CLEANOUT	UPPER MID LEVEL	LOM	Y	LO WASH
6623	MIU	V	L	57.63	53	2	LO REGEN	R-582	LO WASH SYSTEM CLEANOUT VALVE	UPPER MID LEVEL	LOM	Y	LO WASH, ADDED 12-95
6624	MIU	V	L	57.63	53	2	LO REGEN	R-582	LO WASH SYSTEM VALVE BLOCKING	UPPER MID LEVEL	LOM	Y	LO WASH
0533		SUB SUB GAS OUT											
6630	Q	V	G	15.00	53	2	LO REGEN	R-582	SUB SUB GAS OUTLET VALVE BLOCKING	TOP TO MID	SSG	Y	
6631	Q	V	G	15.00	53	2	LO REGEN	R-582	SUB SUB GAS OUTLET VALVE	UPMID SUB SUB	SSG	Y	ADDED 12-95
6632	Q	G	G	15.00	53	2	LO REGEN	R-582	SUB SUB GAS PRESSURE GAUGE	UPMID SUB SUB	SSG	Y	ADDED 12-95
6633	Q	V	G	15.00	53	2	LO REGEN	R-582	SUB SUB GAS VALVE CLEANOUT	UPMID SUB SUB	SSG	Y	
6634	Q	V	G	15.00	53	2	LO REGEN	R-582	SUB SUB GAS BLOCKING VALVE	UPMID SUB SUB	SSG	Y	
0534		REGENERATOR DIFFERENTIAL PRESSURE											
6640	UTM	V	L	57.63	53	2	LO REGEN	R-582	DIFFERENTIAL PRESSURE TAP VALVES	TOP LEVEL	LO	N	
6641	UTM	V	L	57.63	53	2	LO REGEN	R-582	DIFFERENTIAL PRESSURE TAP VALVE	TOP LEVEL	LO	N	
6642	Q	V	L	57.63	53	2	LO REGEN	R-582	DIFFERENTIAL PRESSURE TAP CLEANOUT	TOP LEVEL	LO	Y	ADDED 12-95
6643	Q	DP	L	57.63	53	2	LO REGEN	R-582	DP TRANSDUCER	TOP LEVEL	LO	Y	ADDED 12-95
6644	Q	V	L	57.63	53	2	LO REGEN	R-582	DIFFERENTIAL PRESSURE TAP CLEANOUT	TOP LEVEL	LO	Y	
6645	MIU	V	L	57.63	53	2	LO REGEN	R-582	DIFFERENTIAL PRESSURE TAP 3 BLOCK VALVE	TOP LEVEL	LO	Y	LO WASH
0535		SUB GAS IN											
6650	Q	V	G	16.00	53	2	LO REGEN	R-582	SUB GAS INLET VALVE	TOP TO MID	SG	Y	
6651	Q	V	G	16.00	53	2	LO REGEN	R-582	DERIMING GAS VALVE	UPMID SUB IN	SG	Y	
6652	Q	V	G	16.00	53	2	LO REGEN	R-582	CLEANOUT VALVE	UPMID SUB IN	SG	Y	
6653	Q	V	G	16.00	53	2	LO REGEN	R-582	PRESSURE TAP	UPMID SUB IN	SG	Y	
6654	Q	G	G	16.00	53	2	LO REGEN	R-582	PRESSURE GAUGE	UPMID SUB IN	SG	Y	ADDED 12-95
6655	Q	V	G	16.00	53	2	LO REGEN	R-582	LOADING VALVE V 504A2	UPMID SUB IN	SG	Y	
0536		CARBONATE GAS OUT											
6660	N/A	V	G	0.32	53	2	LO REGEN	R-582	CLEAN SUB GAS OUTLET VALVE BLOCKING	TOP TO MID	CG	Y	
6661	N/A	V	G	0.32	53	2	LO REGEN	R-582	CLEAN SUB GAS PRESSURE TAP	UPMID CARB LN	CG	Y	
6662	N/A	V	G	0.32	53	2	LO REGEN	R-582	CLEAN SUB GAS VALVE CLEANOUT	UPMID CARB LN	CG	N	
6663	N/A	V	G	0.32	53	2	LO REGEN	R-582	CLEAN SUB GAS BLOCKING VALVE	UPMID CARB LN	CG	Y	
6664	N/A	G	G	0.32	53	2	LO REGEN	R-582	PRESSURE GAUGE	UPMID CARB LN	CG	Y	
OTHER													
6670	Q	VT	L	57.63	53	2	LO REGEN	R-582	RELIEF VALVE	ABOVE REGEN	LO	Y	

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TABLE 54
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
LIGHT OIL REGENERATOR R-584

41 Quarterly Components, 1 Annual Components, 2 UTM Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #	Control Room							
0541		LIGHT OIL WASH SYSTEM - BOTTOM											
6700	AIU	V	L	57.63	54	2	LO REGEN	R-584	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	N	LO WASH
6701	MIU	V	L	57.63	54	2	LO REGEN	R-584	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	Y	LO WASH
6702	MIU	V	L	57.63	54	2	LO REGEN	R-584	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	Y	LO WASH
6703	MIU	V	L	57.63	54	2	LO REGEN	R-584	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	Y	LO WASH
6704	MIU	V	L	57.63	54	2	LO REGEN	R-584	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	Y	LO WASH
6705	MIU	V	L	57.63	54	2	LO REGEN	R-584	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	Y	LO WASH, ADDED 12-95
6706	MIU	V	L	57.63	54	2	LO REGEN	R-584	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	Y	LO WASH, ADDED 12-95
6707	MIU	V	L	57.63	54	2	LO REGEN	R-584	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	Y	LO WASH, ADDED 12-95
6708	MIU	V	L	57.63	54	2	LO REGEN	R-584	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	Y	LO WASH, ADDED 12-95
6709	MIU	V	L	57.63	54	2	LO REGEN	R-584	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	Y	LO WASH, ADDED 12-95
6710	MIU	V	L	57.63	54	2	LO REGEN	R-584	LO WASH SYSTEM NITROGEN	GROUND LEVEL	LOM	Y	LO WASH, ADDED 12-95
6711	MIU	V	L	57.63	54	2	LO REGEN	R-584	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	Y	LO WASH
6712	MIU	V	L	57.63	54	2	LO REGEN	R-584	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	Y	LO WASH, ADDED 12-95
6713	MIU	V	L	57.63	54	2	LO REGEN	R-584	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	Y	LO WASH, ADDED 12-95
6714	MIU	G	L	57.63	54	2	LO REGEN	R-584	LO WASH SYSTEM PRESSURE GAUGE	GROUND LEVEL	LOM	Y	LO WASH, ADDED 12-95
6715	MIU	V	L	57.63	54	2	LO REGEN	R-584	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	Y	LO WASH
6716	MIU	V	L	57.63	54	2	LO REGEN	R-584	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	Y	LO WASH, ADDED 12-95
0542		LIGHT OIL WASH SYSTEM - TOP											
6720	MIU	V	L	57.63	54	2	LO REGEN	R-584	LO WASH SYSTEM VALVE	UPPER MID LEVEL	LOM	Y	LO WASH
6721	MIU	V	L	57.63	54	2	LO REGEN	R-584	LO WASH SYSTEM VALVE	UPPER MID LEVEL	LOM	Y	LO WASH
6722	MIU	V	L	57.63	54	2	LO REGEN	R-584	LO WASH SYSTEM VALVE	UPPER MID LEVEL	LOM	Y	LO WASH
6723	MIU	V	L	57.63	54	2	LO REGEN	R-584	LO WASH SYSTEM VALVE	UPPER MID LEVEL	LOM	Y	LO WASH
6724	MIU	V	L	57.63	54	2	LO REGEN	R-584	LO WASH SYSTEM VALVE	UPPER MID LEVEL	LOM	Y	LO WASH
0543		SUB SUB GAS OUT											
6730	Q	V	G	15.00	54	2	LO REGEN	R-584	SUB SUB GAS OUTLET VALVE	TOP TO MID	SSG	Y	
6731	Q	V	G	15.00	54	2	LO REGEN	R-584	SUB SUB GAS VALVE	UPMID SUB SUB	SSG	Y	
6732	Q	V	G	15.00	54	2	LO REGEN	R-584	SUB SUB GAS VALVE	UPMID SUB SUB	SSG	Y	ADDED 12-95
6733	Q	G	G	15.00	54	2	LO REGEN	R-584	SUB SUB GAS PRESSURE GAUGE	UPMID SUB SUB	SSG	Y	ADDED 12-95
6734	Q	V	G	15.00	54	2	LO REGEN	R-584	SUB SUB GAS VALVE	UPMID SUB SUB	SSG	Y	ADDED 12-95
6735	Q	V	G	15.00	54	2	LO REGEN	R-584	SUB SUB GAS BLOCKING VALVE	UPMID SUB SUB	SSG	Y	
0544		REGENERATOR DIFFERENTIAL PRESSURE											
6740	UTM	V	L	57.63	54	2	LO REGEN	R-584	DIFFERENTIAL PRESSURE TAP VALVE	TOP LEVEL	LO	N	
6741	Q	V	L	57.63	54	2	LO REGEN	R-584	DIFFERENTIAL PRESSURE TAP VALVE	TOP LEVEL	LO	Y	
6742	Q	V	L	57.63	54	2	LO REGEN	R-584	DIFFERENTIAL PRESSURE TAP 3 VALVE BLOCK	TOP LEVEL	LO	Y	
6743	Q	DP	L	57.63	54	2	LO REGEN	R-584	DIFFERENTIAL PRESSURE	TOP LEVEL	LO	Y	ADDED 12-95
6744	UTM	V	L	57.63	54	2	LO REGEN	R-584	DIFFERENTIAL PRESSURE TAP VALVE	TOP LEVEL	LO	N	
6745	Q	V	L	57.63	54	2	LO REGEN	R-584	DIFFERENTIAL PRESSURE TAP VALVE CLEANOUT	TOP LEVEL	LO	Y	
6746	Q	V	L	57.63	54	2	LO REGEN	R-584	DIFFERENTIAL PRESSURE TAP VALVE	TOP LEVEL	LO	Y	
6747	Q	G	L	57.63	54	2	LO REGEN	R-584	DIFFERENTIAL PRESSURE TAP GAUGE	TOP LEVEL	LO	Y	
0545		SUB GAS IN											
6750	Q	V	G	16.00	54	2	LO REGEN	R-584	SUB GAS INLET VALVE	TOP TO MID	SG	Y	
6751	Q	V	G	16.00	54	2	LO REGEN	R-584	DERIMING GAS VALVE	UPMID SUB IN	SG	Y	
6752	Q	V	G	16.00	54	2	LO REGEN	R-584	SUB GAS VALVE	UPMID SUB IN	SG	Y	
6753	Q	V	G	16.00	54	2	LO REGEN	R-584	SUB GAS VALVE	UPMID SUB IN	SG	Y	
6754	Q	V	G	16.00	54	2	LO REGEN	R-584	SUB GAS VALVE	UPMID SUB IN	SG	Y	
6755	Q	G	G	16.00	54	2	LO REGEN	R-584	SUB GAS GAUGE	UPMID SUB IN	SG	Y	
6756	Q	V	G	16.00	54	2	LO REGEN	R-584	SUB GAS BLOCKING VALVE	UPMID SUB IN	SG	Y	
0546		CARBONATE GAS OUT											
6760	N/A	V	G	0.32	54	2	LO REGEN	R-584	CLEAN SUB GAS OUTLET VALVE	TOP TO MID	CG	Y	
6761	N/A	V	G	0.32	54	2	LO REGEN	R-584	CLEAN SUB GAS OUT BLOCKING VALVE	UPMID CARB LN	CG	Y	
OTHER													
6762	Q	VT	L	57.63	54	2	LO REGEN	R-584	RELIEF VALVE	ABOVE REGEN	LO	Y	

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TABLE 55
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
LIGHT OIL REGENERATOR R-586

35 Quarterly Components, 3 Annual Components, 2 UTM Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #	Control Room							
0551		LIGHT OIL WASH SYSTEM - BOTTOM											
6800	AIU	V	L	57.63	55	2	LO REGEN	R-586	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	N	
6801	MIU	V	L	57.63	55	2	LO REGEN	R-586	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	Y	
6802	MIU	V	L	57.63	55	2	LO REGEN	R-586	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	Y	
6803	MIU	V	L	57.63	55	2	LO REGEN	R-586	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	Y	
6804	MIU	V	L	57.63	55	2	LO REGEN	R-586	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	Y	
6805	MIU	V	L	57.63	55	2	LO REGEN	R-586	LO WASH SYSTEM CLEANOUT VALVE	GROUND LEVEL	LOM	Y	ADDED 12-95
6806	MIU	V	L	57.63	55	2	LO REGEN	R-586	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	Y	ADDED 12-95
6807	AIU	V	L	57.63	55	2	LO REGEN	R-586	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	N	ADDED 12-95
6808	MIU	V	L	57.63	55	2	LO REGEN	R-586	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	Y	ADDED 12-95
6809	MIU	V	L	57.63	55	2	LO REGEN	R-586	LO WASH SYSTEM NITROGEN	GROUND LEVEL	LOM	Y	ADDED 12-95
6810	MIU	V	L	57.63	55	2	LO REGEN	R-586	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	Y	
6811	MIU	V	L	57.63	55	2	LO REGEN	R-586	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	Y	ADDED 12-95
6812	MIU	V	L	57.63	55	2	LO REGEN	R-586	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	Y	ADDED 12-95
6813	MIU	V	L	57.63	55	2	LO REGEN	R-586	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	Y	ADDED 12-95
6814	MIU	G	L	57.63	55	2	LO REGEN	R-586	LO WASH SYSTEM PRESSURE GAUGE	GROUND LEVEL	LOM	Y	ADDED 12-95
6815	MIU	V	L	57.63	55	2	LO REGEN	R-586	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	Y	ADDED 12-95
6816	AIU	V	L	57.63	55	2	LO REGEN	R-586	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	N	
6817	MIU	V	L	57.63	55	2	LO REGEN	R-586	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	Y	
0552		LIGHT OIL WASH SYSTEM - TOP											
6820	MIU	V	L	57.63	55	2	LO REGEN	R-586	LO WASH SYSTEM VALVE	UPPER MID	LOM	Y	
6821	MIU	V	L	57.63	55	2	LO REGEN	R-586	LO WASH SYSTEM VALVE	UPPER MID	LOM	Y	
6822	MIU	V	L	57.63	55	2	LO REGEN	R-586	LO WASH SYSTEM VALVE	UPPER MID	LOM	Y	
6823	MIU	V	L	57.63	55	2	LO REGEN	R-586	LO WASH SYSTEM VALVE	UPPER MID	LOM	Y	
0553		SUB SUB GAS OUT											
6830	Q	V	G	15.00	55	2	LO REGEN	R-586	SUB SUB GAS OUTLET VALVE	LOW TOP	SSG	Y	
6831	Q	V	G	15.00	55	2	LO REGEN	R-586	SUB SUB GAS VALVE	UPPER MID	SSG	Y	
6832	Q	G	G	15.00	55	2	LO REGEN	R-586	SUB SUB GAS PRESSURE GAUGE	UPPER MID	SSG	Y	
6833	Q	V	G	15.00	55	2	LO REGEN	R-586	SUB SUB GAS VALVE	UPPER MID	SSG	Y	
6834	Q	V	G	15.00	55	2	LO REGEN	R-586	SUB SUB GAS BLOCKING VALVE	UPPER MID	SSG	Y	
0554		REGENERATOR DIFFERENTIAL PRESSURE											
6840	UTM	V	L	57.63	55	2	LO REGEN	R-586	DIFFERENTIAL PRESSURE TAP VALVE	TOP	LO	N	
6841	Q	V	L	57.63	55	2	LO REGEN	R-586	DIFFERENTIAL PRESSURE TAP 3 VALVE BLOCK	TOP	LO	Y	
6842	Q	DP	L	57.63	55	2	LO REGEN	R-586	DIFFERENTIAL PRESSURE	TOP	LO	Y	ADDED 12-95
6843	UTM	V	L	57.63	55	2	LO REGEN	R-586	DIFFERENTIAL PRESSURE TAP VALVE	TOP	LO	N	
6844	Q	V	L	57.63	55	2	LO REGEN	R-586	DIFFERENTIAL PRESSURE TAP VALVE	TOP	LO	Y	
6845	Q	V	L	57.63	55	2	LO REGEN	R-586	DIFFERENTIAL PRESSURE TAP VALVE	TOP	LO	Y	
6846	Q	DP	L	57.63	55	2	LO REGEN	R-586	DIFFERENTIAL PRESSURE	TOP	LO	Y	ADDED 12-95
0555		SUB GAS IN											
6850	Q	V	G	16.00	55	2	LO REGEN	R-586	SUB GAS INLET VALVE	LOW TOP	SG	Y	
6851	Q	V	G	16.00	55	2	LO REGEN	R-586	SUB GAS VALVE	UPPER MID	SG	Y	
6852	Q	V	G	16.00	55	2	LO REGEN	R-586	SUB GAS VALVE	UPPER MID	SG	Y	
6853	Q	V	G	16.00	55	2	LO REGEN	R-586	DERIMING GAS VALVE	UPPER MID	SG	Y	
6854	Q	V	G	16.00	55	2	LO REGEN	R-586	504C2 LOADING VALVE	UPPER MID	SG	Y	
0556		CARBONATE GAS OUT											
6860	N/A	V	L	0.32	55	2	LO REGEN	R-586	CLEAN SUB GAS OUTLET VALVE	LOW TOP	CG	Y	
6861	N/A	V	L	0.32	55	2	LO REGEN	R-586	CLEAN SUB GAS VALVE	UPPER MID	CG	Y	
6862	N/A	V	L	0.32	55	2	LO REGEN	R-586	CLEAN SUB GAS VALVE	UPPER MID	CG	Y	
6864	N/A	V	L	0.32	55	2	LO REGEN	R-586	CLEAN SUB GAS VALVE	UPPER MID	CG	Y	ADDED 12-95
6865	N/A	V	G	0.32	55	2	LO REGEN	R-586	CLEAN SUB GAS BLOCKING VALVE	UPPER MID	CG	Y	
OTHER													
6866	Q	VT	L	57.63	55	2	LO REGEN	R-586	RELIEF VALVE	TOP	LO	Y	

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TABLE 56
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
LIGHT OIL REGENERATOR R-590

34 Quarterly Components, 2 Annual Components, 2 UTM Components

Tag Identification	Measuring Frequency	Component Type	Phase	Benzene Concentration	Figure #	Control Room							
0561	LIGHT OIL WASH SYSTEM - BOTTOM												
6900	AIU	V	L	57.63	56	2	LO REGEN	R-590	LIGHT OIL WASH	GROUND LEVEL	LOM	N	
6901	MIU	V	L	57.63	56	2	LO REGEN	R-590	LIGHT OIL WASH	GROUND LEVEL	LOM	Y	
6902	MIU	V	L	57.63	56	2	LO REGEN	R-590	LIGHT OIL WASH	GROUND LEVEL	LOM	Y	
6903	MIU	V	L	57.63	56	2	LO REGEN	R-590	LIGHT OIL WASH	GROUND LEVEL	LOM	Y	
6904	MIU	V	L	57.63	56	2	LO REGEN	R-590	LIGHT OIL WASH	GROUND LEVEL	LOM	Y	
6905	MIU	V	L	57.63	56	2	LO REGEN	R-590	LIGHT OIL WASH	GROUND LEVEL	LOM	Y	
6906	MIU	V	L	57.63	56	2	LO REGEN	R-590	LIGHT OIL WASH	GROUND LEVEL	LOM	Y	
6907	MIU	V	L	57.63	56	2	LO REGEN	R-590	LIGHT OIL WASH	GROUND LEVEL	LOM	Y	
6908	MIU	V	L	57.63	56	2	LO REGEN	R-590	LIGHT OIL WASH	GROUND LEVEL	LOM	Y	
6909	MIU	V	L	57.63	56	2	LO REGEN	R-590	LIGHT OIL WASH	GROUND LEVEL	LOM	Y	
6910	MIU	V	L	57.63	56	2	LO REGEN	R-590	LIGHT OIL WASH	GROUND LEVEL	LOM	Y	
6911	MIU	V	L	57.63	56	2	LO REGEN	R-590	LIGHT OIL WASH	GROUND LEVEL	LOM	Y	
6912	MIU	V	L	57.63	56	2	LO REGEN	R-590	LIGHT OIL WASH	GROUND LEVEL	LOM	Y	
6913	MIU	V	L	57.63	56	2	LO REGEN	R-590	LIGHT OIL WASH	GROUND LEVEL	LOM	Y	
6914	MIU	V	L	57.63	56	2	LO REGEN	R-590	LIGHT OIL WASH NITROGEN	GROUND LEVEL	LOM	Y	
6916	AIU	V	L	57.63	56	2	LO REGEN	R-590	LIGHT OIL WASH CLEANOUT	GROUND LEVEL	LOM	N	ADDED 12-95
0562	LIGHT OIL WASH SYSTEM - TOP												
6920	MIU	V	L	57.63	56	2	LO REGEN	R-590	LIGHT OIL WASH	MID	LOM	Y	
6921	MIU	V	L	57.63	56	2	LO REGEN	R-590	LIGHT OIL WASH	MID	LOM	Y	
6922	MIU	V	L	57.63	56	2	LO REGEN	R-590	LIGHT OIL WASH	MID	LOM	Y	
6923	MIU	V	L	57.63	56	2	LO REGEN	R-590	LIGHT OIL WASH	MID	LOM	Y	
0563	SUB SUB GAS OUT												
6930	Q	V	G	15.00	56	2	LO REGEN	R-590	SUB SUB GAS OUTLET	MID S 2 GAS	SSG	Y	
6931	Q	V	G	15.00	56	2	LO REGEN	R-590	SUB SUB GAS BLOCK	MID S 2 GAS	SSG	Y	
6932	Q	V	G	15.00	56	2	LO REGEN	R-590	SUB SUB GAS	MID S 2 GAS	SSG	Y	
6933	Q	V	G	15.00	56	2	LO REGEN	R-590	SUB SUB GAS	MID S 2 GAS	SSG	Y	
6934	Q	V	G	15.00	56	2	LO REGEN	R-590	SUB SUB GAS	MID S 2 GAS	SSG	Y	
0564	REGENERATOR DIFFERENTIAL PRESSURE												
6940	UTM	V	L	57.63	56	2	LO REGEN	R-590	DIFFERENTIAL PRESSURE TAP	TOP PRESSURE	LO	N	
6941	Q	V	L	57.63	56	2	LO REGEN	R-590	DIFFERENTIAL PRESSURE TAP BLOCK	TOP PRESSURE	LO	Y	
6942	UTM	V	L	57.63	56	2	LO REGEN	R-590	DIFFERENTIAL PRESSURE TAP	TOP PRESSURE	LO	N	
6943	Q	V	L	57.63	56	2	LO REGEN	R-590	DIFFERENTIAL PRESSURE TAP	TOP PRESSURE	LO	Y	
6944	Q	OP	L	57.63	56	2	LO REGEN	R-590	DIFFERENTIAL PRESSURE CELL	TOP PRESSURE	LO	Y	
6945	Q	V	L	57.63	56	2	LO REGEN	R-590	DIFFERENTIAL PRESSURE TAP	TOP PRESSURE	LO	Y	
6946	Q	G	L	57.63	56	2	LO REGEN	R-590	DIFFERENTIAL PRESSURE GAUGE	TOP PRESSURE	LO	Y	
0565	SUB GAS IN												
6950	Q	V	G	16.00	56	2	LO REGEN	R-590	SUB GAS INLET	TOP SUB IN	SG	Y	
6951	Q	V	G	16.00	56	2	LO REGEN	V504-D2	LOADING	TOP SUB IN	SG	Y	
6952	Q	V	G	16.00	56	2	LO REGEN	V504-D2	SUB GAS	TOP SUB IN	SG	Y	
6953	Q	V	G	16.00	56	2	LO REGEN	R-590	SUB GAS	TOP SUB IN	SG	Y	
6954	Q	V	G	16.00	56	2	LO REGEN	R-590	SUB GAS	TOP SUB IN	SG	Y	
6955	Q	V	G	16.00	56	2	LO REGEN	R-590	SUB GAS	TOP SUB IN	SG	Y	
0566	CARBONATE GAS OUT												
6960	N/A	V	G	0.32	56	2	LO REGEN	R-590	CARBONATE GAS OUTLET	TOP CARB OUT	CG	Y	
6961	N/A	V	G	0.32	56	2	LO REGEN	R-590	CARBONATE GAS	TOP CARB OUT	CG	Y	
6962	N/A	V	G	0.32	56	2	LO REGEN	R-590	CARBONATE GAS	TOP CARB OUT	CG	Y	
6963	N/A	V	G	0.32	56	2	LO REGEN	R-590	CARBONATE GAS	TOP CARB OUT	CG	Y	
6964	N/A	G	G	0.32	56	2	LO REGEN	R-590	CARBONATE GAS PRESSURE GAUGE	TOP CARB OUT	CG	Y	
6965	N/A	V	G	0.32	56	2	LO REGEN	R-590	CARBONATE GAS	TOP CARB OUT	CG	Y	
6966	N/A	V	G	0.32	56	2	LO REGEN	R-590	CARBONATE GAS	TOP CARB OUT	CG	Y	
6967	N/A	V	G	0.32	56	2	LO REGEN	R-590	CARBONATE GAS BLOCK	TOP CARB OUT	CG	Y	
OTHER													
6968	A	RV	L	57.63	56	2	LO REGEN	R-590	RELIEF	TOP	LO	N	

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TABLE 57
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
SUB SUB GAS LIGHT OIL REGENERATION AUSPUFF SYSTEM

15 Quarterly Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #	Control Room							
0571		SUB SUB GAS CONTROL STATION											
6970	Q	V	G	15.00	57	2	LO REGEN	R-584	SUB SUB GAS CONTROL STATION	MD LVL BHND 82	SSG	Y	
6971	Q	V	G	15.00	57	2	LO REGEN	R-584	SUB SUB GAS CONTROL STATION	MD LVL BHND 82	SSG	Y	
6972	Q	V	G	15.00	57	2	LO REGEN	R-584	SUB SUB GAS CONTROL STATION	MD LVL BHND 82	SSG	Y	
6973	Q	V	G	15.00	57	2	LO REGEN	R-584	SUB SUB GAS CONTROL STATION	MD LVL BHND 82	SSG	Y	
6974	Q	V	G	15.00	57	2	LO REGEN	R-584	SUB SUB GAS CONTROL STATION	MD LVL BHND 82	SSG	Y	
6975	Q	V	G	15.00	57	2	LO REGEN	R-584	SUB SUB GAS CONTROL STATION	MD LVL BHND 82	SSG	Y	
0572		SUB SUB GAS ORIFICE SYSTEM											
6976	Q	V	G	15.00	57	2	LO REGEN	R-584	SUB SUB GAS ORIFICE PRESSURE TAP	MD LVL BHND 82	SSG	Y	
6977	Q	PD	G	15.00	57	2	LO REGEN	R-584	SUB SUB GAS ORIFICE PRESSURE TRANSDUCER	MD LVL BHND 82	SSG	Y	
6978	Q	V	G	15.00	57	2	LO REGEN	R-584	SUB SUB GAS ORIFICE PRESSURE GAUGE	MD LVL BHND 82	SSG	Y	
6979	Q	G	G	15.00	57	2	LO REGEN	R-584	SUB SUB GAS ORIFICE PRESSURE GAUGE	MD LVL BHND 82	SSG	Y	
6980	Q	V	G	15.00	57	2	LO REGEN	R-584	SUB SUB GAS ORIFICE PRESSURE TAP	MD LVL BHND 82	SSG	Y	ADDED 12-95
6981	Q	V	G	15.00	57	2	LO REGEN	R-584	SUB SUB GAS ORIFICE PRESSURE TAP	MD LVL BHND 82	SSG	Y	
6982	Q	V	G	15.00	57	2	LO REGEN	R-584	SUB SUB GAS ORIFICE PRESSURE BLOCKING	MD LVL BHND 82	SSG	Y	
6983	Q	G	G	15.00	57	2	PRESSURE	PCV6511	SUB SUB GAS ORIFICE PRESSURE GAUGE	MD LVL BHND 82	SSG	Y	
6984	Q	PD	G	15.00	57	2	TRANSDUCER	PCV6511	SUB SUB GAS ORIFICE PRESSURE TRANSDUCER	MD LVL BHND 82	SSG	Y	

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TABLE 58
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
SUB SUB GAS INJECTION WATER SEPARATOR

21 Quarterly Components, 7 Annual Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #	Control Reason							
0581		DRAIN TO DECANTERS											
7000	Q	V	L	57.63	58	2	SEPARATOR	D-600	FEED VALVES TO DECANTER BYPASS	GROUND LEVEL	LOW	Y	
7001	Q	V	L	57.63	58	2	SEPARATOR	D-600	FEED VALVES TO DECANTER CLEANOUT	GROUND LEVEL	LOW	Y	ADDED 12-95
7002	Q	V	L	57.63	58	2	SEPARATOR	D-600	FEED VALVES TO DECANTER	GROUND LEVEL	LOW	Y	RACK ABOVE ROAD 100 YD W CR2
7003	Q	V	L	57.63	58	2	SEPARATOR	D-600	FEED CONTROL VALVE TO DECANTER	GROUND LEVEL	LOW	Y	RACK ABOVE ROAD 100 YD W CR2
7004	Q	V	L	57.63	58	2	SEPARATOR	D-600	FEED VALVES TO DECANTER	GROUND LEVEL	LOW	Y	RACK ABOVE ROAD 100 YD W CR2
0582		SEPARATOR SG/LC											
7016	Q	V	L	57.63	58	2	SEPARATOR	D-600	BOTTOM VALVES SIGHT GLASS/LEVEL CONTROL	GROUND LEVEL	LOW	Y	
7017	Q	V	L	57.63	58	2	SEPARATOR	D-600	BOTTOM VALVES SIGHT GLASS/LEVEL CONTROL	GROUND LEVEL	LOW	Y	
7018	Q	V	L	57.63	58	2	SEPARATOR	D-600	BOTTOM SIDE DRAIN	GROUND LEVEL	LOW	Y	
7019	Q	V	L	57.63	58	2	SEPARATOR	D-600	BOTTOM VALVES SIGHT GLASS/LEVEL CONTROL	GROUND LEVEL	LOW	Y	
7020	Q	SG	L	57.63	58	2	SEPARATOR	D-600	SIGHT GLASS	GROUND LEVEL	LOW	Y	
7021	A	V	L	57.63	58	2	SEPARATOR	D-600	TOP VALVES SIGHT GLASS/LEVEL CONTROL	12' UP	LOW	N	
7022	Q	V	L	57.63	58	2	SEPARATOR	D-600	BOTTOM VALVES SIGHT GLASS/LEVEL CONTROL	GROUND LEVEL	LOW	Y	
7023	Q	V	L	57.63	58	2	SEPARATOR	D-600	BOTTOM OF LEVEL CONTROL CLEANOUT	GROUND LEVEL	LOW	Y	
7024	Q	LC	L	57.63	58	2	SEPARATOR	D-600	LEVEL CONTROL	GROUND LEVEL	LOW	Y	
7025	A	V	L	57.63	58	2	SEPARATOR	D-600	TOP VALVES SIGHT GLASS/LEVEL CONTROL	12' UP	LOW	N	
7026	Q	V	L	57.63	58	2	SEPARATOR	D-600	SIGHT GLASS BOTTOM VALVES	GROUND LEVEL	LOW	Y	ADDED 12-95
7027	Q	V	L	57.63	58	2	SEPARATOR	D-600	SIGHT GLASS BOTTOM VALVES	GROUND LEVEL	LOW	Y	ADDED 12-95
7028	Q	V	L	57.63	58	2	SEPARATOR	D-600	SIGHT GLASS BOTTOM VALVES	GROUND LEVEL	LOW	Y	ADDED 12-95
0583		SUB SUB GAS OUT											
7030	Q	V	G	15.00	58	2	SEPARATOR	D-600	NEW RELIEF VALVE BLOCKING VALVE	20' UP	SSG	Y	
7031	Q	V	G	15.00	58	2	SEPARATOR	D-600	OLD RELIEF VALVE	20' UP	SSG	Y	
7032	A	V	G	15.00	58	2	SEPARATOR	D-600	NEW RELIEF VALVES	20' UP	SSG	N	
7033	Q	V	G	15.00	58	2	SEPARATOR	D-600	TOP GAS VALVES	20' UP	SSG	Y	
7034	Q	V	G	15.00	58	2	SEPARATOR	D-600	TOP GAS VALVES	20' UP	SSG	Y	
7035	A	V	G	15.00	58	2	SEPARATOR	D-600	TOP GAS VALVES	20' UP	SSG	N	
0584		SUB SUB GAS IN											
7036	A	V	G	15.00	58	2	SEPARATOR	D-600	TOP GAS VALVES TANK BYPASS	20' UP	SSG	N	
7037	A	V	G	15.00	58	2	SEPARATOR	D-600	TOP GAS VALVES	20' UP	SSG	N	
7038	A	V	G	15.00	58	2	SEPARATOR	D-600	TOP GAS VALVES	20' UP	SSG	N	
OTHER													
7015	Q	V	L	57.63	58	2	SEPARATOR	D-600	BOTTOM TANK DRAIN	GROUND LEVEL	LOW	Y	

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TABLE 59
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
SUB SUB GAS WATER COOLER

20 Quarterly Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #	Control Room					
0591		COOLER 639 IN									
7056	Q	V	G	15.00	59	2	WATER COOL	E-640	INLET BLOCKING VALVE	LEVEL 2, INLET	SSG Y
7057	Q	V	G	15.00	59	2	WATER COOL	E-639	INLET CLEANOUT VALVE	LEVEL 2, INLET	SSG Y
7058	Q	V	G	15.00	59	2	WATER COOL	E-639	INLET CLEANOUT VALVE	LEVEL 2, INLET	SSG Y
7059	Q	V	G	15.00	59	2	WATER COOL	E-639	INLET SIDE COOLER CLEANOUT VALVE	LEVEL 2, INLET	SSG Y
0592		COOLER 639 OUT									
7070	Q	V	G	15.00	59	2	WATER COOL	E-639	OUTLET SIDE COOLER CLEANOUT VALVE	LEVEL 2, DISCHARGE	SSG Y
7071	Q	V	G	15.00	59	2	WATER COOL	E-639	OUTLET BLOCKING VALVE	LEVEL 2, DISCHARGE	SSG Y
7072	Q	V	G	15.00	59	2	WATER COOL	E-640	OUTLET CLEANOUT VALVE	LEVEL 2, DISCHARGE	SSG Y
7073	Q	V	G	15.00	59	2	WATER COOL	E-640	OUTLET CLEANOUT VALVE	LEVEL 2, DISCHARGE	SSG Y
0593		COOLER 640 IN									
7060	Q	V	G	15.00	59	2	WATER COOL	E-640	INLET CLEANOUT VALVE	LEVEL 2, INLET	SSG Y
7061	Q	V	G	15.00	59	2	WATER COOL	E-640	INLET CLEANOUT VALVE	LEVEL 2, INLET	SSG Y
7062	Q	V	G	15.00	59	2	WATER COOL	E-640	INLET BLOCKING VALVE	LEVEL 2, INLET	SSG Y
7063	Q	V	G	15.00	59	2	WATER COOL	E-640	INLET CLEANOUT VALVE	LEVEL 2, INLET	SSG Y
7064	Q	V	G	15.00	59	2	WATER COOL	E-640	INLET CLEANOUT VALVE	LEVEL 2, INLET	SSG Y
7065	Q	V	G	15.00	59	2	WATER COOL	E-640	INLET SIDE COOLER CLEANOUT VALVE	LEVEL 2, INLET	SSG Y
0594		COOLER 640 OUT									
7074	Q	V	G	15.00	59	2	WATER COOL	E-639	OUTLET SIDE COOLER CLEANOUT VALVE	LEVEL 2, DISCHARGE	SSG Y
7075	Q	V	G	15.00	59	2	WATER COOL	E-640	OUTLET CLEANOUT VALVE	LEVEL 2, DISCHARGE	SSG Y
7076	Q	V	G	15.00	59	2	WATER COOL	E-639	OUTLET BLOCKING VALVE	LEVEL 2, DISCHARGE	SSG Y
0595		SUB SUB GAS BYPASS LOOP									
7050	Q	V	G	15.00	59	2	WATER COOL	E-639/640	BLOCKING VALVE BYPASS LOOP	LEVEL 2, INLET	SSG Y
7052	Q	V	G	15.00	59	2	WATER COOL	E-639/640	BYPASS LOOP CLEANOUT VALVE	LEVEL 2, INLET	SSG Y
7054	Q	V	G	15.00	59	2	WATER COOL	E-639/640	BLOCKING VALVE BYPASS LOOP	LEVEL 2, INLET	SSG Y

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TABLE 60
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
SUB SUB GAS WATER SEPARATOR

35 Quarterly Components, 4 Annual Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #	Control Reason							
0601		DRAIN TO DECANTERS											
7101	Q	V	L	57.63	60	2	SEPARATOR	D-602	FEED VALVES TO DECANTERS CLEANOUT	GROUND LEVEL	LOW	Y	
7102	Q	V	L	57.63	60	2	SEPARATOR	D-602	FEED VALVES TO DECANTERS BLOCKING	GROUND LEVEL	LOW	Y	
7103	Q	V	L	57.63	60	2	SEPARATOR	D-602	FEED VALVES TO DECANTERS BLOCKING	GROUND LEVEL	LOW	Y	
7104	Q	V	L	57.63	60	2	SEPARATOR	D-602	FEED VALVES TO DECANTERS BLOCKING	GROUND LEVEL	LOW	Y	
7105	Q	V	L	57.63	60	2	SEPARATOR	D-602	FEED VALVES TO DECANTERS BLOCKING	GROUND LEVEL	LOW	Y	
7106	Q	V	L	57.63	60	2	SEPARATOR	D-602	FEED VALVES TO DECANTERS BLOCKING	GROUND LEVEL	LOW	Y	ADDED 12-95
7107	Q	V	L	57.63	60	2	SEPARATOR	D-602	FEED VALVES TO DECANTERS CLEANOUT	GROUND LEVEL	LOW	Y	ADDED 12-95
7108	Q	V	L	57.63	60	2	SEPARATOR	D-602	FEED VALVES TO DECANTERS CLEANOUT	GROUND LEVEL	LOW	Y	ADDED 12-95
7109	Q	V	L	57.63	60	2	SEPARATOR	D-602	FEED VALVES TO DECANTERS BLOCKING	GROUND LEVEL	LOW	Y	ADDED 12-95
0602		BOTTOM SG/LC											
7110	Q	V	L	57.63	60	2	SEPARATOR	D-602	SIGHT GLASS LEVEL CONTROLLER	GROUND LEVEL	LOW	Y	
7111	Q	V	L	57.63	60	2	SEPARATOR	D-602	SIGHT GLASS LEVEL CONTROLLER	GROUND LEVEL	LOW	Y	ADDED 12-95
7112	Q	V	L	57.63	60	2	SEPARATOR	D-602	SIGHT GLASS LEVEL CONTROLLER	GROUND LEVEL	LOW	Y	
7113	Q	V	L	57.63	60	2	SEPARATOR	D-602	SIGHT GLASS LEVEL CONTROLLER	GROUND LEVEL	LOW	Y	
7114	Q	V	L	57.63	60	2	SEPARATOR	D-602	SIGHT GLASS LEVEL CONTROLLER	GROUND LEVEL	LOW	Y	ADDED 12-95
7115	Q	V	L	57.63	60	2	SEPARATOR	D-602	SIGHT GLASS LEVEL CONTROLLER	GROUND LEVEL	LOW	Y	ADDED 12-95
7116	Q	V	L	57.63	60	2	SEPARATOR	D-602	SIGHT GLASS LEVEL CONTROLLER	GROUND LEVEL	LOW	Y	ADDED 12-95
7117	Q	V	L	57.63	60	2	SEPARATOR	D-602	SIGHT GLASS LEVEL CONTROLLER	GROUND LEVEL	LOW	Y	
7118	Q	V	L	57.63	60	2	SEPARATOR	D-602	SIGHT GLASS LEVEL CONTROLLER	GROUND LEVEL	LOW	Y	
7119	Q	LC	G	15.00	60	2	SEPARATOR	D-602	LEVEL CONTROLLER	GROUND LEVEL	SSG	Y	
7120	Q	SG	L	57.63	60	2	SEPARATOR	D-602	SIGHT GLASS	GROUND LEVEL	LOW	Y	
0603		SEPARATOR GAS OUT											
7131	Q	V	G	15.00	60	2	SEPARATOR	D-602	RELIEF VALVE TAP	SECOND LEVEL	SSG	Y	
7132	Q	V	G	15.00	60	2	SEPARATOR	D-602	RELIEF VALVE	SECOND LEVEL	SSG	Y	
7133	Q	V	G	15.00	60	2	SEPARATOR	D-602	SUB SUB GAS OUT RELIEF VALVE	SECOND LEVEL	SSG	Y	
7134	Q	V	G	15.00	60	2	SEPARATOR	D-602	SUB SUB GAS OUT CLEANOUT	SECOND LEVEL	SSG	Y	
7135	Q	V	G	15.00	60	2	SEPARATOR	D-602	SUB SUB GAS OUT CLEANOUT	SECOND LEVEL	SSG	Y	
7136	Q	V	G	15.00	60	2	SEPARATOR	D-602	SUB SUB GAS OUT CLEANOUT	SECOND LEVEL	SSG	Y	
7137	Q	V	G	15.00	60	2	SEPARATOR	D-602	SUB SUB GAS OUT BLOCKING VALVE	SECOND LEVEL	SSG	Y	
7138	Q	V	G	15.00	60	2	SEPARATOR	D-602	SUB SUB GAS OUT CLEANOUT	SECOND LEVEL	SSG	Y	ADDED 12-95
7139	Q	V	G	15.00	60	2	SEPARATOR	D-602	SUB SUB GAS OUT CLEANOUT	SECOND LEVEL	SSG	Y	
7140	Q	V	G	15.00	60	2	SEPARATOR	D-602	SUB SUB GAS RETURN	SECOND LEVEL	SSG	Y	
0604		TO DOWNRIVER GAS											
7141	Q	V	G	15.00	60	2	SEPARATOR	D-602	SUB SUB GAS OUT TO DOWN RIVER	THIRD LEVEL	SSG	Y	
7142	Q	V	G	15.00	60	2	SEPARATOR	D-602	SUB SUB GAS OUT CONTROL VALVE DOWN RIVER	THIRD LEVEL	SSG	Y	
7143	Q	V	G	15.00	60	2	SEPARATOR	D-602	SUB SUB GAS OUT TO DOWN RIVER	THIRD LEVEL	SSG	Y	
0605		TOP SG/LC											
7121	A	V	G	15.00	60	2	SEPARATOR	D-602	SIGHT GLASS CLEANOUT	GROUND LEVEL	SSG	N	
7122	A	V	G	15.00	60	2	SEPARATOR	D-602	SIGHT GLASS CLEANOUT	GROUND LEVEL	SSG	N	
7123	A	V	G	15.00	60	2	SEPARATOR	D-602	SIGHT GLASS CLEANOUT	GROUND LEVEL	SSG	N	
7124	A	V	G	15.00	60	2	SEPARATOR	D-602	SIGHT GLASS/LEVEL CONTROLLER TOP VALVE	GROUND LEVEL	SSG	N	
OTHER													
7100	Q	V	L	57.63	60	2	SEPARATOR	D-602	TANK BOTTOM DRAIN	GROUND LEVEL	LOW	Y	
7130	Q	V	G	15.00	60	2	SEPARATOR	D-602	INLET PRESSURE TAP	SECOND LEVEL	SSG	Y	

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TABLE 61
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
SUB SUB GAS AMMONIA COOLERS

14 Quarterly Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #	Control Reason							
0611		COOLER 641 IN											
7150	Q	V	G	15.00	61	2	COOLER	E-641	INLET BLOCKING VALVE	INLET END	SSG	Y	ADDED 12-95
7151	Q	V	G	15.00	61	2	COOLER	E-641	INLET CLEANOUT VALVE	INLET END	SSG	Y	ADDED 12-95
7152	Q	V	G	15.00	61	2	COOLER	E-641	INLET BLOCKING VALVE	INLET END	SSG	Y	
7153	Q	V	G	15.00	61	2	COOLER	E-641	INLET CLEANOUT VALVE	INLET END	SSG	Y	ADDED 12-95
0612		COOLER 641 OUT											
7154	Q	V	G	15.00	61	2	COOLER	E-641	OUTLET BLOCKING VALVE	DISCHARGE END	SSG	Y	ADDED 12-95
7155	Q	V	G	15.00	61	2	COOLER	E-641	OUTLET CLEANOUT VALVE	DISCHARGE END	SSG	Y	ADDED 12-95
7156	Q	V	G	15.00	61	2	COOLER	E-641	OUTLET BLOCKING VALVE	DISCHARGE END	SSG	Y	ADDED 12-95
0613		COOLER 642 IN											
7160	Q	V	G	15.00	61	2	COOLER	E-642	INLET BLOCKING VALVE	INLET END	SSG	Y	
7161	Q	V	G	15.00	61	2	COOLER	E-642	INLET CLEANOUT VALVE	INLET END	SSG	Y	
7162	Q	V	G	15.00	61	2	COOLER	E-642	INLET BLOCKING VALVE	INLET END	SSG	Y	ADDED 12-95
7163	Q	V	G	15.00	61	2	COOLER	E-642	INLET CLEANOUT VALVE	INLET END	SSG	Y	ADDED 12-95
0614		COOLER 642 OUT											
7164	Q	V	G	15.00	61	2	COOLER	E-642	OUTLET BLOCKING VALVE	DISCHARGE END	SSG	Y	
7165	Q	V	G	15.00	61	2	COOLER	E-642	OUTLET CLEANOUT VALVE	DISCHARGE END	SSG	Y	
7166	Q	V	G	15.00	61	2	COOLER	E-642	OUTLET BLOCKING VALVE	DISCHARGE END	SSG	Y	

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TABLE 62
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
SUB SUB GAS AMMONIA COOLER SEPARATOR

58 Quarterly Components, 4 Annual Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #	Control Room							
0621	DRAIN TO DECANTERS												
7201	Q	V	L	57.63	62	2	SEPARATOR	D-624	FEED TO DECANTERS	GROUND LEVEL	LOW	Y	
7202	Q	V	L	57.63	62	2	SEPARATOR	D-624	FEED TO DECANTERS	GROUND LEVEL	LOW	Y	
7203	Q	V	L	57.63	62	2	SEPARATOR	D-624	FEED TO DECANTERS	GROUND LEVEL	LOW	Y	
7204	Q	V	L	57.63	62	2	SEPARATOR	D-624	FEED TO DECANTERS	GROUND LEVEL	LOW	Y	
7205	Q	V	L	57.63	62	2	SEPARATOR	D-624	FEED TO DECANTERS CLEANOUT	GROUND LEVEL	LOW	Y	
7206	Q	V	L	57.63	62	2	SEPARATOR	D-624	FEED TO DECANTERS CLEANOUT	GROUND LEVEL	LOW	Y	ADDED 12-95
7207	Q	V	L	57.63	62	2	SEPARATOR	D-624	FEED TO DECANTERS CLEANOUT	GROUND LEVEL	LOW	Y	
7208	Q	V	L	57.63	62	2	SEPARATOR	D-624	FEED TO DECANTERS CLEANOUT BACKUP	GROUND LEVEL	LOW	Y	
0622	SIGHT GLASS / LEVEL CONTROL - BOTTOM												
7215	Q	V	L	57.63	62	2	SEPARATOR	D-624	SIGHT GLASS/ LEVEL CONTROL BLOCKING	GROUND LEVEL	LOW	Y	ADDED 12-95
7216	Q	V	L	57.63	62	2	SEPARATOR	D-624	SIGHT GLASS/ LEVEL CONTROL	GROUND LEVEL	LOW	Y	ADDED 12-95
7217	Q	V	L	57.63	62	2	SEPARATOR	D-624	SIGHT GLASS/ LEVEL CONTROL	GROUND LEVEL	LOW	Y	ADDED 12-95
7218	Q	V	L	57.63	62	2	SEPARATOR	D-624	SIGHT GLASS/ LEVEL CONTROL BLOCKING	GROUND LEVEL	LOW	Y	
7219	Q	V	L	57.63	62	2	SEPARATOR	D-624	SIGHT GLASS/ LEVEL CONTROL	GROUND LEVEL	LOW	Y	ADDED 12-95
7220	Q	V	L	57.63	62	2	SEPARATOR	D-624	SIGHT GLASS/ LEVEL CONTROL	GROUND LEVEL	LOW	Y	
7221	Q	V	L	57.63	62	2	SEPARATOR	D-624	LEVEL CONTROL BOTTOM VALVES	GROUND LEVEL	LOW	Y	ADDED 12-95
7222	Q	V	L	57.63	62	2	SEPARATOR	D-624	LEVEL CONTROL BOTTOM VALVES	GROUND LEVEL	LOW	Y	ADDED 12-95
7223	Q	V	L	57.63	62	2	SEPARATOR	D-624	LEVEL CONTROL BOTTOM VALVES	GROUND LEVEL	LOW	Y	ADDED 12-95
7229	Q	LC	L	57.63	62	2	SEPARATOR	D-624	LEVEL CONTROLLER	GROUND LEVEL	LOW	Y	
7230	Q	SG	L	57.63	62	2	SEPARATOR	D-624	SIGHT GLASS	GROUND LEVEL	LOW	Y	
0623	BYPASS TO 576 SEPARATOR												
7235	Q	V	G	15.00	62	2	SEPARATOR	D-624	BY PASS TO D-576 BLOCKING	LEVEL 2 RECYCLE	SSG	Y	
7236	Q	V	G	15.00	62	2	SEPARATOR	D-624	BY PASS TO D-576 CLEANOUT	LEVEL 2 RECYCLE	SSG	Y	
7237	Q	V	G	15.00	62	2	SEPARATOR	D-624	BY PASS TO D-576 BLOCKING CONTROL	LEVEL 2 RECYCLE	SSG	Y	
7238	Q	V	G	15.00	62	2	SEPARATOR	D-624	BY PASS TO D-576 CLEANOUT	LEVEL 2 RECYCLE	SSG	Y	
7239	Q	V	G	15.00	62	2	SEPARATOR	D-624	BY PASS TO D-576 BLOCKING	LEVEL 2 RECYCLE	SSG	Y	
7240	Q	V	G	15.00	62	2	SEPARATOR	D-624	BY PASS TO D-576 BLOCKING BYPASS	LEVEL 2 RECYCLE	SSG	Y	
0624	SUB SUB GAS OUT PRESSURE												
7250	Q	V	G	15.00	62	2	SEPARATOR	D-624	PRESSURE TAP	LEVEL 2	SSG	Y	
7251	Q	V	G	15.00	62	2	SEPARATOR	D-624	RELIEF VALVE	LEVEL 2	SSG	Y	
7252	Q	V	G	15.00	62	2	SEPARATOR	D-624	BYPASS VALVE	LEVEL 2	SSG	Y	
7253	Q	V	G	15.00	62	2	SEPARATOR	D-624	CLEANOUT	LEVEL 2	SSG	Y	
7254	Q	G	G	15.00	62	2	SEPARATOR	D-624	PRESSURE GAUGE	LEVEL 2	SSG	Y	
7255	Q	V	G	15.00	62	2	SEPARATOR	D-624	PRESSURE TAP	LEVEL 2	SSG	Y	
7256	Q	V	G	15.00	62	2	SEPARATOR	D-624	PRESSURE TAP VALVE BLOCK	LEVEL 2	SSG	Y	
0625	SUB SUB GAS OUT TO DOWNRIVER												
7280	Q	V	G	15.00	62	2	SEPARATOR	D-624	ORIFICE PLATE VALVE	LEVEL 3	SSG	Y	
7281	Q	V	G	15.00	62	2	SEPARATOR	D-624	ORIFICE PLATE VALVE	LEVEL 3	SSG	Y	
7282	Q	V	G	15.00	62	2	SEPARATOR	D-624	3 WAY VALVE	LEVEL 3	SSG	Y	
7283	Q	V	G	15.00	62	2	SEPARATOR	D-624	3 WAY VALVE	LEVEL 3	SSG	Y	ADDED 12-95
7284	Q	V	G	15.00	62	2	SEPARATOR	D-624	3 WAY VALVE	LEVEL 3	SSG	Y	
7285	Q	V	G	15.00	62	2	SEPARATOR	D-624	ORIFICE PLATE VALVE	LEVEL 3	SSG	Y	
7286	Q	V	G	15.00	62	2	SEPARATOR	D-624	ORIFICE PLATE VALVE	LEVEL 3	SSG	Y	
7287	Q	V	G	15.00	62	2	SEPARATOR	D-624	3 WAY VALVE DISTRIBUTION	LEVEL 3	SSG	Y	
7288	Q	V	G	15.00	62	2	SEPARATOR	D-624	#5 CONTROL ROOM BLOCKING VALVE	LEVEL 3	SSG	Y	ADDED 12-95
0626	BYPASS TO 576 SEPARATOR												
7265	Q	V	G	15.00	62	2	SEPARATOR	D-624	SUB SUB GAS OUT VALVE BLOCKING	LEVEL 2 BLEED	SSG	Y	
7266	Q	V	G	15.00	62	2	SEPARATOR	D-624	BY PASS TO D-576	LEVEL 2 BLEED	SSG	Y	
7267	Q	V	G	15.00	62	2	SEPARATOR	D-624	BY PASS TO D-576 CONTROL	LEVEL 2 BLEED	SSG	Y	
7268	Q	V	G	15.00	62	2	SEPARATOR	D-624	BY PASS TO D-576	LEVEL 2 BLEED	SSG	Y	
7269	Q	V	G	15.00	62	2	SEPARATOR	D-624	BY PASS TO D-576	LEVEL 2 BLEED	SSG	Y	
7270	Q	V	G	15.00	62	2	SEPARATOR	D-624	BY PASS TO D-576	LEVEL 2 BLEED	SSG	Y	
7271	Q	V	G	15.00	62	2	SEPARATOR	D-624	BY PASS TO D-576 CLEANOUT	LEVEL 2 BLEED	SSG	Y	
7272	Q	V	G	15.00	62	2	SEPARATOR	D-624	BY PASS TO D-576	LEVEL 2 BLEED	SSG	Y	
7273	Q	V	G	15.00	62	2	SEPARATOR	D-624	BY PASS TO D-576	LEVEL 2 BLEED	SSG	Y	
7274	Q	V	G	15.00	62	2	SEPARATOR	D-624	BY PASS TO D-576	LEVEL 2 BLEED	SSG	Y	
7275	Q	V	G	15.00	62	2	SEPARATOR	D-624	PRESSURE TAP LINE VALVE	LEVEL 2 BLEED	SSG	Y	

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0627		BYPASS TO 576 SEPARATOR										
7258	Q	V	G	15.00	62	2	SEPARATOR	D-624	SUB SUB GAS OUT VALVE BLOCKING	LEVEL 2	SSG	Y
7259	Q	V	G	15.00	62	2	SEPARATOR	D-624	BY PASS TO D-576 CLEANOUT	LEVEL 2	SSG	Y
7260	Q	V	G	15.00	62	2	SEPARATOR	D-624	BY PASS TO D-576 CLEANOUT	LEVEL 2	SSG	Y
7261	Q	V	G	15.00	62	2	SEPARATOR	D-624	BY PASS TO D-576 CLEANOUT	LEVEL 2	SSG	Y
0628		SIGHT GLASS / LEVEL CONTROL - TOP										
7231	A	V	G	15.00	62	2	SEPARATOR	D-624	SIGHT GLASS TOP VALVE	GROUND LEVEL	SSG	N
7232	A	V	G	15.00	62	2	SEPARATOR	D-624	SIGHT GLASS TOP VALVE CLEANOUT	GROUND LEVEL	SSG	N
7233	A	V	G	15.00	62	2	SEPARATOR	D-624	SIGHT GLASS TOP VALVE	GROUND LEVEL	SSG	N
7234	A	V	G	15.00	62	2	SEPARATOR	D-624	SIGHT GLASS/ LEVEL CONTROL VALVES	GROUND LEVEL	SSG	N
OTHER												
7200	Q	V	L	57.63	62	2	SEPARATOR	D-624	TANK BOTTOM DRAIN	GROUND LEVEL	LOW	Y
7257	Q	V	G	15.00	62	2	SEPARATOR	D-624	SUB SUB GAS OUT BLOCKING VALVE	LEVEL 2	SSG	Y

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TABLE 63
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
LIGHT OIL DECANT AREA

63 Quarterly Components, 2 Annual Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #	Control Room							
7300	Q	V	L	57.63	63	2	LO DECANT	D-604	VALVE ON TOP SOUTH SIDE OF TANK		LO	Y	
7301	Q	MH	L	57.63	63	2	LO DECANT	D-604	SOUTH MANWAY SOUTH TANK	MANWAY #4	LO	Y	
7302	Q	G	L	57.63	63	2	LO DECANT	D-604	PRESSURE TAP GAUGE ON WEST MANWAY	MANWAY #4	LO	Y	
7303	Q	V	L	57.63	63	2	LO DECANT	D-604	PRESSURE TAP GAUGE ON WEST MANWAY	MANWAY #4	LO	Y	
7304	Q	V	L	57.63	63	2	LO DECANT	D-604	VALVE ON WEST MANWAY	MANWAY #4	LO	Y	
7305	Q	MH	L	57.63	63	2	LO DECANT	D-604	WEST MANWAY SOUTH TANK	MANWAY #4	LO	Y	
7306	Q	V	L	57.63	63	2	LO DECANT	D-604	TRANSFER LINE VALVE	TX LINE #4	LO	Y	
7307	Q	V	L	57.63	63	2	LO DECANT	D-604	TRANSFER LINE VALVE	TX LINE #4	LO	Y	
7308	Q	V	L	57.63	63	2	LO DECANT	D-604	TRANSFER LINE VALVE	TX LINE #4	LO	Y	
7309	Q	V	L	57.63	63	2	LO DECANT	D-604	TRANSFER LINE VALVE	TX LINE #4	LO	Y	
7310	N/A	V	L	0.20	63	2	LO DECANT	D-605	CONTAMINATED WATER VALVE	CONT WAT #4	W	Y	
7311	N/A	V	L	0.20	63	2	LO DECANT	D-605	CONTAMINATED WATER VALVE	CONT WAT #4	W	Y	ADDED 12-95
7312	Q	V	L	57.63	63	2	LO DECANT	D-604	TRANSFER LINE VALVE	TX LINE #4	LO	Y	ADDED 12-95
7313	Q	V	L	57.63	63	2	LO DECANT	D-605	BOTTOM OF SIGHT GLASS	SITE GLASS #4	LO	Y	
7314	Q	V	L	57.63	63	2	LO DECANT	D-604	BOTTOM OF SIGHT GLASS	SITE GLASS #4	LO	Y	
7315	Q	V	L	57.63	63	2	LO DECANT	D-605	BOTTOM OF SIGHT GLASS	SITE GLASS #4	LO	Y	
7316	Q	MH	L	57.63	63	2	LO DECANT	D-604	NORTH MANWAY SOUTH TANK	MANWAY #4	LO	Y	
7317	Q	V	L	57.63	63	2	LO DECANT	D-604	VALVE ON NORTH SIDE MANWAY	MANWAY #4	LO	Y	
7318	Q	SG	L	57.63	63	2	LO DECANT	D-604	SIGHT GLASS	SITE GLASS #4	LO	Y	
7319	Q	V	L	57.63	63	2	LO DECANT	D-604	TOP OF SIGHT GLASS	SITE GLASS #4	LO	Y	
7320	Q	V	L	57.63	63	2	LO DECANT	D-604	TOP OF SIGHT GLASS	SITE GLASS #4	LO	Y	
7321	A	V	L	57.63	63	2	LO DECANT	D-604	VALVE TOP NORTH SIDE OF TANK		LO	N	
7322	Q	V	L	57.63	63	2	LO DECANT	D-604	INLET VALVES		LO	Y	
7325	Q	V	L	57.63	63	2	LO DECANT	D-605	VALVE TOP NORTH SIDE OF TANK		LO	Y	
7326	Q	MH	L	57.63	63	2	LO DECANT	D-605	NORTH MANWAY NORTH TANK	MANWAY #5	LO	Y	
7327	Q	MH	L	57.63	63	2	LO DECANT	D-605	WEST MANWAY NORTH TANK	MANWAY #5	LO	Y	
7328	Q	V	L	57.63	63	2	LO DECANT	D-605	DRAIN VALVE		LO	Y	
7329	Q	V	L	57.63	63	2	LO DECANT	D-605	DRAIN VALVE		LO	Y	
7330	Q	V	L	57.63	63	2	LO DECANT	D-605	TRANSFER LINE VALVE	TX LINE #5	LO	Y	
7331	Q	V	L	57.63	63	2	LO DECANT	D-605	TRANSFER LINE VALVE	TX LINE #5	LO	Y	
7332	Q	V	L	57.63	63	2	LO DECANT	D-605	TRANSFER LINE VALVE	TX LINE #5	LO	Y	
7333	N/A	V	L	0.20	63	2	LO DECANT	D-605	CONTAMINATED WATER LINE	CONT WAT #5	W	Y	
7334	N/A	V	L	0.20	63	2	LO DECANT	D-605	CONTAMINATED WATER LINE	CONT WAT #5	W	Y	
7335	Q	V	L	57.63	63	2	LO DECANT	D-604/605	MAKEUP/DRAIN FOR SEP. LEVEL CONTROLS		LO	Y	
7336	Q	V	L	57.63	63	2	LO DECANT	D-605	BOTTOM OF SIGHT GLASS	SITE GLASS #5	LO	Y	
7337	Q	V	L	57.63	63	2	LO DECANT	D-605	BOTTOM OF SIGHT GLASS	SITE GLASS #5	LO	Y	
7338	Q	V	L	57.63	63	2	LO DECANT	D-605	BOTTOM OF SIGHT GLASS	SITE GLASS #5	LO	Y	
7339	Q	MH	L	57.63	63	2	LO DECANT	D-605	SOUTH MANWAY NORTH TANK	MANWAY #5	LO	Y	
7340	Q	SG	L	57.63	63	2	LO DECANT	D-605	SIGHT GLASS	SITE GLASS #5	LO	Y	
7341	Q	V	L	57.63	63	2	LO DECANT	D-605	TOP OF SIGHT GLASS	SITE GLASS #5	LO	Y	
7342	Q	V	L	57.63	63	2	LO DECANT	D-605	TOP OF SIGHT GLASS	SITE GLASS #5	LO	Y	
7343	Q	V	L	57.63	63	2	LO DECANT	D-605	INLET VALVES		LO	Y	
7344	A	V	L	57.63	63	2	LO DECANT	D-605	VALVE TOP SOUTH SIDE OF TANK		LO	N	
7350	Q	VT	G	57.63	63	2	LO DECANT	D-604	RELIEF VALVE	TOP VENT #4	LO	Y	
7351	Q	V	G	57.63	63	2	LO DECANT	D-604	EMERGENCY VENT LINE CLEANOUT	TOP VENT #4	LO	Y	
7352	Q	V	G	57.63	63	2	LO DECANT	D-604	EMERGENCY VENT LINE CLEANOUT BACKUP	TOP VENT #4	LO	Y	
7353	Q	V	G	57.63	63	2	LO DECANT	D-604	VENT SYSTEM BLOCKING VALVE	TOP VENT #4	LO	Y	
7354	Q	V	G	57.63	63	2	LO DECANT	D-604	EMERGENCY VENT LINE CLEANOUT	TOP VENT #4	LO	Y	
7360	Q	V	G	57.63	63	2	DECANTERS	D-605	RELIEF VALVE LINE CLEANOUT	TOP VENT #5	LO	Y	
7361	Q	V	G	57.63	63	2	LO DECANT	D-605	VENT SYSTEM BLOCKING VALVE	TOP VENT #5	LO	Y	
7362	Q	V	G	57.63	63	2	DECANTERS	D-605	RELIEF VALVE LINE CLEANOUT	TOP VENT #5	LO	Y	
7363	Q	V	G	57.63	63	2	LO DECANT	D-605	CLEANOUT VALVE BEFORE RELIEF VALVE	TOP VENT #5	LO	Y	
7364	Q	V	G	57.63	63	2	LO DECANT	D-605	CLEANOUT VALVE BEFORE RELIEF VALVE	TOP VENT #5	LO	Y	
7365	Q	VT	G	57.63	63	2	LO DECANT	D-605	RELIEF VALVE	TOP VENT #5	LO	Y	
7366	Q	V	G	57.63	63	2	LO DECANT	D-605	CLEANOUT VALVE AFTER RELIEF VALVE	TOP VENT #5	LO	Y	

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7370	Q	V	G	57.63	63	2	LO DECANT	D-604/605	MAKEUP/DRAIN FOR SEP. LEVEL CONTROLS	LEVEL CONTR	LO	Y	ADDED 12-95
7371	Q	V	G	57.63	63	2	LO DECANT	D-604/605	MAKEUP/DRAIN FOR SEP. LEVEL CONTROLS	LEVEL CONTR	LO	Y	ADDED 12-95
7372	Q	V	G	57.63	63	2	LO DECANT	D-604/605	MAKEUP/DRAIN FOR SEP. LEVEL CONTROLS	LEVEL CONTR	LO	Y	ADDED 12-95
7373	Q	V	L	57.63	63	2	LO DECANT	D-604/605	MAKEUP/DRAIN FOR SEP. LEVEL CONTROLS	LEVEL CONTR	LOW	Y	
7374	Q	V	L	57.63	63	2	LO DECANT	D-604/605	MAKEUP/DRAIN FOR SEP. LEVEL CONTROLS	LEVEL CONTR	LOW	Y	
7375	Q	V	L	57.63	63	2	LO DECANT	D-604/605	MAKEUP/DRAIN FOR SEP. LEVEL CONTROLS	LEVEL CONTR	LOW	Y	
7376	Q	V	L	57.63	63	2	LO DECANT	D-604/605	MAKEUP/DRAIN FOR SEP. LEVEL CONTROLS	LEVEL CONTR	LOW	Y	
7377	Q	V	L	57.63	63	2	LO DECANT	D-604/605	MAKEUP/DRAIN FOR SEP. LEVEL CONTROLS	LEVEL CONTR	LOW	Y	
7378	Q	V	L	57.63	63	2	LO DECANT	D-604/605	MAKEUP/DRAIN FOR SEP. LEVEL CONTROLS	LEVEL CONTR	LOW	Y	
7379	Q	V	L	57.63	63	2	LO DECANT	D-604/605	MAKEUP/DRAIN FOR SEP. LEVEL CONTROLS	LEVEL CONTR	LOW	Y	
7380	Q	V	L	57.63	63	2	LO DECANT	D-604/605	MAKEUP/DRAIN FOR SEP. LEVEL CONTROLS	LEVEL CONTR	LOW	Y	
7381	Q	V	L	57.63	63	2	LO DECANT	D-604/605	MAKEUP/DRAIN FOR SEP. LEVEL CONTROLS	LEVEL CONTR	LOW	Y	
7382	Q	V	L	57.63	63	2	LO DECANT	D-604/605	MAKEUP/DRAIN FOR SEP. LEVEL CONTROLS	LEVEL CONTR	LOW	Y	
7383	Q	V	L	57.63	63	2	LO DECANT	D-604/605	MAKEUP/DRAIN FOR SEP. LEVEL CONTROLS	LEVEL CONTR	LOW	Y	

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TABLE 64
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
LIGHT OIL TRANSFER PUMP AREA

3 Monthly Components, 63 Quarterly Components, 1 Annual Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #	Control Room							
0641		PUMP INLET											
7400	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE INLET CLEANOUT	1ST LEVEL IN	LO	Y	
7401	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE INLET	1ST LEVEL IN	LO	Y	
7402	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE INLET CLEANOUT	1ST LEVEL IN	LO	Y	
7403	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE PRESSURE TAP VALVE	1ST LEVEL IN	LO	Y	
7404	Q	G	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE PRESSURE GAUGE	1ST LEVEL IN	LO	Y	ADDED 12-95
7405	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE INLET	1ST LEVEL IN	LO	Y	
7406	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE INLET CLEANOUT	1ST LEVEL IN	LO	Y	
7407	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE INLET	1ST LEVEL IN	LO	Y	ADDED 12-95
7407	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE		LO	Y	
7408	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE INLET	1ST LEVEL IN	LO	Y	
7409	Q	V	L	57.63	64	2	LO PUMP	P-619C	LO TRANSFER LINE INLET CLEANOUT	1ST LEVEL IN	LO	Y	
7410	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE INLET	1ST LEVEL IN	LO	Y	ADDED 12-95
7415	Q	P	L	57.63	64	2	LO PUMP	P-619B	MAGNETIC PUMP SEAL	1ST LEVEL PUMP	LO	Y	
7416	Q	P	L	57.63	64	2	LO PUMP	P-619A	MAGNETIC PUMP SEAL	1ST LEVEL PUMP	LO	Y	
7417	Q	P	L	57.63	64	2	LO PUMP	P-619-C	MAGNETIC PUMP SEAL	1ST LEVEL PUMP	LO	Y	
0642		PUMP DISCHARGE											
7421	Q	V	L	57.63	64	2	LO PUMP	P-619-B	PUMP DISCHARGE BLOCKING VALVE	1ST LEVEL OUT	LO	Y	ADDED 12-95
7422	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE	1ST LEVEL OUT	LO	Y	
7423	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE	1ST LEVEL OUT	LO	Y	
7424	Q	V	L	57.63	64	2	LO PUMP	P-619-B	PUMP DISCHARGE PRESSURE GAUGE	1ST LEVEL OUT	LO	Y	ADDED 12-95
7425	Q	G	L	57.63	64	2	LO PUMP	P-619-B	PUMP DISCHARGE PRESSURE TAP	1ST LEVEL OUT	LO	Y	ADDED 12-95
7426	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE	1ST LEVEL OUT	LO	Y	
7427	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE	1ST LEVEL OUT	LO	Y	
7428	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE DRAIN	1ST LEVEL OUT	LO	Y	
7429	Q	V	L	57.63	64	2	LO PUMP	P-619C	LO SAMPLE LINE VALVE	1ST LEVEL OUT	LO	Y	
7430	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE	1ST LEVEL OUT	LO	Y	
7431	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE BLOCKING	1ST LEVEL OUT	LO	Y	
7432	Q	V	L	57.63	64	2	LO PUMP	P-619A	PUMP DISCHARGE PRESSURE TAP	1ST LEVEL OUT	LO	Y	ADDED 12-95
7433	Q	G	L	57.63	64	2	LO PUMP	P-619A	PUMP DISCHARGE PRESSURE GAUGE	1ST LEVEL OUT	LO	Y	ADDED 12-95
7434	Q	FC	L	57.63	64	2	LO PUMP	ALL 3	LO FLOW CONTROL	1ST LEVEL OUT	LO	Y	
7435	Q	V	L	57.63	64	2	LO PUMP	P-619C	LO SAMPLE LINE VALVE	1ST LEVEL OUT	LO	Y	
7436	Q	V	L	57.63	64	2	LO PUMP	P-619C	LO SAMPLE LINE VALVE	1ST LEVEL OUT	LO	Y	
7437	Q	V	L	57.63	64	2	LO PUMP	P-619C	PUMP DISCHARGE PRESSURE TAP	1ST LEVEL OUT	LO	Y	
7438	Q	V	L	57.63	64	2	LO PUMP	P-619C	PUMP DISCHARGE PRESSURE TAP	1ST LEVEL OUT	LO	Y	
7439	Q	V	L	57.63	64	2	LO PUMP	P-619C	PUMP DISCHARGE PRESSURE GAUGE	1ST LEVEL OUT	LO	Y	
7440	Q	V	L	57.63	64	2	LO PUMP	P-619C	LO CHECK VALVE	1ST LEVEL OUT	LO	Y	
7441	Q	V	L	57.63	64	2	LO PUMP	P-619C	LO TRANSFER LINE CLEANOUT	1ST LEVEL OUT	LO	Y	
7442	Q	V	L	57.63	64	2	LO PUMP	P-619C	LO TRANSFER LINE	1ST LEVEL OUT	LO	Y	
0643		LO TRANSFER											
7450	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE BLOCKING	2ND LEVEL OUT	LO	Y	
7451	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE BLOCKING	2ND LEVEL OUT	LO	Y	
7452	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE BLOCKING	2ND LEVEL OUT	LO	Y	
7459	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE BLOCKING TO DECANTERS	2ND LEVEL	LO	Y	
0644		DISCHARGE TO QUADS											
7453	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE TO QUADS CLEANOUT	2ND LEVEL QUADS	LO	Y	
7454	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE TO QUADS BLOCKING	2ND LEVEL QUADS	LO	Y	
7455	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE TO QUADS	2ND LEVEL QUADS	LO	Y	
7456	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE TO QUADS	2ND LEVEL QUADS	LO	Y	
7457	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE TO QUADS PLUG	2ND LEVEL QUADS	LO	Y	
7458	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE TO QUADS BLOCKING	2ND LEVEL QUADS	LO	Y	

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0645	DISCHARGE TO DECANTERS													
7470	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE TO DECANTERS	2ND LEVEL DECANT	LO	Y		
7471	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE TO DECANTERS	2ND LEVEL DECANT	LO	Y		
7472	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE TO DECANTERS	2ND LEVEL DECANT	LO	Y		
7473	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE TO DECANTERS	2ND LEVEL DECANT	LO	Y		
7474	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE TO DECANTERS	2ND LEVEL DECANT	LO	Y	ADDED 12-95	
7475	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE TO DECANTERS	2ND LEVEL DECANT	LO	Y	ADDED 12-95	
7476	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE TO DECANTERS	2ND LEVEL DECANT	LO	Y	ADDED 12-95	
7478	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE TO DECANTERS	2ND LEVEL DECANT	LO	Y	ADDED 12-95	
7479	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE TO DECANTERS CLEANOUT	2ND LEVEL DECANT	LO	Y	ADDED 12-95	
7480	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE TO DECANTERS	2ND LEVEL DECANT	LO	Y	ADDED 12-95	
7481	A	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE TO DECANTERS	2ND LEVEL DECANT	LO	N		
7482	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE TO DECANTERS	2ND LEVEL DECANT	LO	Y		
7483	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE TO DECANTERS	2ND LEVEL DECANT	LO	Y		
0646	DISCHARGE TO CONTROL ROOM #1													
7460	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE TO CR #1	2ND LEVEL CR#1	LO	Y		
7461	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE TO CR #1 BLOCKING	2ND LEVEL CR#1	LO	Y		
7462	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE TO CR #1	2ND LEVEL CR#1	LO	Y		
7463	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE TO CR #1	2ND LEVEL CR#1	LO	Y		
7464	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE TO CR #1	2ND LEVEL CR#1	LO	Y		
OTHER														
7484	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE TO DECANTERS BLOCKING	2ND LEVEL DECANT	LO	Y	ADDED 12-95	
7485	Q	V	L	57.63	64	2	LO PUMP	ALL 3	LO TRANSFER LINE INLET	2ND LEVEL	LO	Y	ADDED 12-95	

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TABLE 65
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
KOPPERS TRANSFER LINE AREAS

29 Quarterly Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #	Control Room							
0651		METHANOL TRANSFER											
7500	Q	V	L	57.63	65	2	BLOWDOWN	B-426	BLOCKING VALVE METHANOL TRANSFER LINE	GRND BY R-490	LOM	Y	ADDED 12-95
7501	Q	V	L	57.63	65	2	BLOWDOWN	B-426	CLEANOUT VALVE METHANOL TRANSFER LINE	GRND BY R-490	LOM	Y	
7502	Q	V	L	57.63	65	2	BLOWDOWN	B-426	CLEANOUT VALVE METHANOL TRANSFER LINE	GRND BY R-490	LOM	Y	
7503	Q	V	L	57.63	65	2	BLOWDOWN	B-426	CLEANOUT VALVE METHANOL TRANSFER LINE	GRND BY R-490	LOM	Y	ADDED 12-95
7504	Q	V	L	57.63	65	2	BLOWDOWN	B-426	CLEANOUT VALVE METHANOL TRANSFER LINE	GRND BY R-490	LOM	Y	
7505	Q	V	L	57.63	65	2	BLOWDOWN	B-426	BLOCKING VALVE METHANOL TRANSFER LINE	GRND BY R-490	LOM	Y	
7506	Q	V	L	57.63	65	2	BLOWDOWN	B-426	CLEANOUT VALVE METHANOL TRANSFER LINE	GRND BY R-490	LOM	Y	
7507	Q	V	L	57.63	65	2	BLOWDOWN	B-426	BLOCKING VALVE METHANOL TRANSFER LINE	GRND BY R-490	LOM	Y	
7508	Q	V	L	57.63	65	2	BLOWDOWN	B-426	CLEAN OUT VALVE METHANOL TRANSFER LINE	GRND BY R-490	LOM	Y	
7509	Q	V	L	57.63	65	2	BLOWDOWN	B-426	CLEANOUT VALVE METHANOL TRANSFER LINE	GRND BY R-490	LOM	Y	
7510	Q	G	L	57.63	65	2	BLOWDOWN	B-426	METHANOL TRANSFER LINE PRESSURE GAUGE	GRND BY R-490	LOM	Y	ADDED 12-95
7511	Q	V	L	57.63	65	2	BLOWDOWN	B-426	CLEANOUT VALVE METHANOL TRANSFER LINE	GRND BY R-490	LOM	Y	
7512	Q	V	L	57.63	65	2	BLOWDOWN	B-426	BLOCKING VALVE METHANOL TRANSFER LINE	GRND BY R-490	LOM	Y	
0652		LO STORAGE TRANSFER											
7520	N/A	V	L	57.63	65	2	LO STORE	TRANSFER	BLOCKING VALVES LO STORAGE TANKS	RACK RW TANK	LO	N	UNSAFE TO MONITOR
7521	N/A	V	L	57.63	65	2	LO STORE	TRANSFER	BLOCKING VALVES LO STORAGE TANKS	RACK RW TANK	LO	N	UNSAFE TO MONITOR
7522	N/A	V	L	57.63	65	2	LO STORE	TRANSFER	BLOCKING VALVES LO STORAGE TANKS	RACK RW TANK	LO	N	UNSAFE TO MONITOR
7523	N/A	V	L	57.63	65	2	LO STORE	TRANSFER	BLOCKING VALVES LO STORAGE TANKS	RACK RW TANK	LO	N	UNSAFE TO MONITOR
0653		LO HEATER #1											
7540	N/A	V	L	57.63	65	2	LO HEATER	TRANSFER	LO TRANSFER HEATER 1 BLOCKING VALVE	RACK E OF BND	LO	N	UNSAFE TO MONITOR
7541	N/A	V	L	57.63	65	2	LO HEATER	TRANSFER	LINE VALVE LO TRANSFER HEATER 1	RACK E OF BND	LO	N	UNSAFE TO MONITOR
7542	N/A	V	L	57.63	65	2	LO HEATER	TRANSFER	LO TRANSFER HEATER 1 CLEANOUT VALVE	RACK E OF BND	LO	N	UNSAFE TO MONITOR
7543	N/A	V	L	57.63	65	2	LO HEATER	TRANSFER	LO TRANSFER HEATER 1 CLEANOUT VALVE	RACK E OF BND	LO	N	UNSAFE TO MONITOR
7544	N/A	V	L	57.63	65	2	LO HEATER	TRANSFER	LINE VALVE LO TRANSFER HEATER 1	RACK E OF BND	LO	N	UNSAFE TO MONITOR
7545	N/A	V	L	57.63	65	2	LO HEATER	TRANSFER	LO TRANSFER HEATER 1 BLOCKING VALVE	RACK E OF BND	LO	N	UNSAFE TO MONITOR
0654		LO HEATER #2											
7560	Q	V	L	57.63	65	2	LO HEATER	TRANSFER	LO TRANSFER HEATER 2 LINE CLEANOUT VALVE	RACK SW OFFC	LO	Y	
7561	Q	V	L	57.63	65	2	LO HEATER	TRANSFER	LO TRANSFER HEATER 2 BLOCKING VALVE	RACK SW OFFC	LO	Y	
7562	Q	G	L	57.63	65	2	LO HEATER	TRANSFER	LO TRANSFER HEATER 2 GAUGE	RACK SW OFFC	LO	Y	ADDED 12-95
7563	Q	V	L	57.63	65	2	LO HEATER	TRANSFER	LO TRANSFER HEATER 2 VALVE	RACK SW OFFC	LO	Y	
7564	Q	G	L	57.63	65	2	LO HEATER	TRANSFER	LO TRANSFER HEATER 2 GAUGE	RACK SW OFFC	LO	Y	
7565	Q	V	L	57.63	65	2	LO HEATER	TRANSFER	LINE VALVE LO TRANSFER HEATER 2	RACK SW OFFC	LO	Y	
7566	Q	V	L	57.63	65	2	LO HEATER	TRANSFER	LO TRANSFER HEATER 2 VALVE	RACK SW OFFC	LO	Y	
0655		LO HEATER #3											
7580	Q	G	L	57.63	65	2	LO HEATER	TRANSFER	PRESSURE GAUGE LO TRANSFER HEATER 3	NEAR TARBEN	LO	Y	
7581	Q	V	L	57.63	65	2	LO HEATER	TRANSFER	LO TRANSFER HEATER 3 BLOCKING VALVE	NEAR TARBEN	LO	Y	
7582	Q	V	L	57.63	65	2	LO HEATER	TRANSFER	LINE VALVE LO TRANSFER HEATER 3	NEAR TARBEN	LO	Y	
7583	Q	V	L	57.63	65	2	LO HEATER	TRANSFER	RELIEF BYPASS LO TRANSFER HEATER 3	NEAR TARBEN	LO	Y	
7584	Q	V	L	57.63	65	2	LO HEATER	TRANSFER	BLOCKING VALVE TO RELIEF LO HEATER 3	NEAR TARBEN	LO	Y	
7585	Q	V	L	57.63	65	2	LO HEATER	TRANSFER	RELIEF VALVE LO TRANSFER HEATER 3	NEAR TARBEN	LO	Y	
7586	Q	G	L	57.63	65	2	LO HEATER	TRANSFER	LO TRANSFER HEATER 3 GAUGE	NEAR TARBEN	LO	Y	
7587	Q	V	L	57.63	65	2	LO HEATER	TRANSFER	CLEANOUT VALVE LO TRANSFER HEATER 3	NEAR TARBEN	LO	Y	
7588	Q	V	L	57.63	65	2	LO HEATER	TRANSFER	CLEANOUT VALVE LO TRANSFER HEATER 3	NEAR TARBEN	LO	Y	

TABLE 66
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
LIGHT OIL WASH HEAT EXCHANGER

14 Quarterly Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #	Control Room						
0661		LO HEAT EXCHANGE AREA										
8000	MIU	V	L	57.63	66	2	COOLER	E-424	LO WASH COOLING LOOP CLEANOUT VALVE	HT EXC AREA	LOM	Y	LO WASH, ADDED 12-95
8001	MIU	V	L	57.63	66	2	COOLER	E-424	LO WASH COOLING LOOP CLEANOUT VALVE	HT EXC AREA	LOM	Y	LO WASH
8002	MIU	V	L	57.63	66	2	COOLER	E-424	LO WASH COOLING LOOP CLEANOUT VALVE	HT EXC AREA	LOM	Y	LO WASH
8003	MIU	V	L	57.63	66	2	COOLER	E-424	LO WASH COOLING LOOP BLOCKING VALVE	HT EXC AREA	LOM	Y	LO WASH, ADDED 12-95
8004	MIU	V	L	57.63	66	2	COOLER	E-424	LO WASH COOLING LOOP CLEANOUT VALVE	HT EXC AREA	LOM	Y	LO WASH, ADDED 12-95
8005	MIU	V	L	57.63	66	2	COOLER	E-424	LO WASH COOLING LOOP SUMP LINE BLOCKING VALVE	HT EXC AREA	LOM	Y	LO WASH
8006	MIU	V	L	57.63	66	2	COOLER	E-424	LO WASH COOLING LOOP SUMP LINE BLOCKING VALVE	HT EXC AREA	LOM	Y	LO WASH
8007	MIU	V	L	57.63	66	2	COOLER	E-424	LO WASH COOLING LOOP SUMP VALVE	HT EXC AREA	LOM	Y	LO WASH
8008	MIU	G	L	57.63	66	2	COOLER	E-424	LO WASH SUMP LINE PRESSURE GAUGE	HT EXC AREA	LOM	Y	LO WASH
8009	MIU	V	L	57.63	66	2	COOLER	E-424	LO WASH COOLING LOOP CLEANOUT VALVE	HT EXC AREA	LOM	Y	LO WASH
8010	MIU	V	L	57.63	66	2	COOLER	E-424	LO WAS COOLING LOOP FLOW RESTRICTER	HT EXC AREA	LOM	Y	LO WASH
8011	MIU	V	L	57.63	66	2	COOLER	E-424	LO WASH COOLING LOOP BLOCKING VALVE	HT EXC AREA	LOM	Y	LO WASH
8012	MIU	V	L	57.63	66	2	COOLER	E-424	LO WASH COOLING LOOP BLOCKING VALVE	HT EXC AREA	LOM	Y	LO WASH
8013	MIU	V	L	57.63	66	2	COOLER	E-424	LO WASH COOLING LOOP CLEANOUT VALVE	HT EXC AREA	LOM	Y	LO WASH, ADDED 12-95

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TABLE 67
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
LIGHT OIL WASH BLOWDOWN TANK AREA

49 Quarterly Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #	Control Room							
8100	MIU	V	L	57.63	67	2	BLOWDOWN	B-426	BLOCKING	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8101	MIU	V	L	57.63	67	2	BLOWDOWN	B-426	BLOCKING	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8102	MIU	V	L	57.63	67	2	BLOWDOWN	B-426	BLOCKING	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8103	MIU	V	L	57.63	67	2	BLOWDOWN	B-426	BLOCKING	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8104	MIU	V	L	57.63	67	2	BLOWDOWN	B-426	BLOCKING	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8105	MIU	V	L	57.63	67	2	BLOWDOWN	B-426	CLEANOUT	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8106	MIU	V	L	57.63	67	2	BLOWDOWN	B-426	CLEANOUT	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8107	MIU	V	L	57.63	67	2	BLOWDOWN	B-426	CLEANOUT	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8108	MIU	V	L	57.63	67	2	BLOWDOWN	B-426	LEVEL CONTROL VALVE	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8109	MIU	V	L	57.63	67	2	BLOWDOWN	B-426	SGLC	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8110	MIU	V	L	57.63	67	2	BLOWDOWN	B-426	SIGHT GLASS DRAIN VALVE	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8111	MIU	V	L	57.63	67	2	BLOWDOWN TANK	D-425	SIGHT GLASS DRAIN VALVE	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8125	MIU	V	L	57.63	67	2	BLOWDOWN TANK	D-425	LO WASH RETURN BLOCKING VALVE	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8126	MIU	V	L	57.63	67	2	BLOWDOWN TANK	D-425	LO RETURN CHECK VALVE	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8127	MIU	V	L	57.63	67	2	BLOWDOWN TANK	D-425	VALVE TOP BACK LEVEL CONTROL	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8128	MIU	V	L	57.63	67	2	BLOWDOWN TANK	D-425	VALVE TOP BACK LEVEL CONTROL	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8129	MIU	V	L	57.63	67	2	BLOWDOWN TANK	D-425	BACK LEVEL CONTROL DRAIN VALVE	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8130	MIU	V	L	57.63	67	2	BLOWDOWN	B-426	BACK LEVEL CONTROL DRAIN CLEANOUT VALVE	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8131	MIU	V	L	57.63	67	2	BLOWDOWN TANK	D-425	BACK LEVEL CONTROL BOTTOM BLOCKING	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8132	MIU	V	L	57.63	67	2	BLOWDOWN	B-426	BACKWASH TANK DRAIN CLEANOUT	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8133	MIU	V	L	57.63	67	2	BLOWDOWN	B-426	BACKWASH TANK DRAIN BLOCKING	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8134	MIU	V	L	57.63	67	2	BLOWDOWN	B-426	BLOCKING	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8135	MIU	V	L	57.63	67	2	BLOW DOWN	D-425	BLOWDOWN TANK DRAIN	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8136	MIU	V	L	57.63	67	2	BLOW DOWN	D-425	BLOWDOWN TANK DRAIN	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8137	MIU	V	L	57.63	67	2	BLOW DOWN	D-425	BLOW DOWN TANK DRAIN	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8138	MIU	V	L	57.63	67	2	BLOW DOWN	D-425	BLOW DOWN TANK DRAIN	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8150	MIU	V	L	57.63	67	2	BLOWDOWN	B-426	LEVEL CONTROL CLEANOUT	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8151	MIU	V	L	57.63	67	2	BLOWDOWN	B-426	SIGHT GLASS CLEANOUT	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8152	MIU	SG	L	57.63	67	2	BLOWDOWN TANK	D-425	BLOW DOWN TANK SIGHT GLASS	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8153	MIU	V	L	57.63	67	2	BLOWDOWN	B-426	TANK BLEED	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8189	MIU	V	L	57.63	67	2	BLOWDOWN	B-426	TANK BLEED	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8154	MIU	V	L	57.63	67	2	BLOWDOWN	B-426	MAIN REGENERATOR DRAIN BLOCKING	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8155	MIU	V	L	57.63	67	2	BLOWDOWN	B-426	TO SIGHT GLASS	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8156	MIU	V	L	57.63	67	2	BLOWDOWN	B-426	TO LEVEL CONTROL	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8157	MIU	V	L	57.63	67	2	BLOWDOWN	B-426	BLOCKING TO RECIRCULATION	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8175	MIU	V	L	57.63	67	2	BLOWDOWN	B-426	BLOCKING TO UNDERFIRE	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8176	MIU	V	L	57.63	67	2	BLOWDOWN	B-426	THREE WAY VALVE	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8177	MIU	VT	L	57.63	67	2	BLOWDOWN	B-426	EMERGENCY VENT	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8178	MIU	V	L	57.63	67	2	BLOWDOWN TANK	D-425	LO WASH VALVE OPEN END FLOW CONTROLLER	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8179	MIU	V	L	57.63	67	2	BLOWDOWN	B-426	FLOW CONTROL BLOCKING	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8180	MIU	V	L	57.63	67	2	BLOWDOWN TANK	D-425	LO WASH VALVE OPEN END FLOW CONTROLLER	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8181	MIU	V	L	57.63	67	2	BLOWDOWN	B-426	FLOW CONTROL BLOCKING	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8182	MIU	V	L	57.63	67	2	BLOWDOWN	B-426	BLOCKING	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8183	MIU	V	L	57.63	67	2	BLOWDOWN TANK	D-425	LO WASH VALVE	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8184	MIU	VT	L	57.63	67	2	BLOWDOWN	B-426	EMERGENCY VENT	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8185	MIU	V	L	57.63	67	2	BLOWDOWN	B-426	MAIN REGENERATOR RETURN BLOCKING	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8186	MIU	V	L	57.63	67	2	BLOWDOWN	B-426	MAIN REGENERATOR RETURN CHECK	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8187	MIU	V	L	57.63	67	2	BLOWDOWN TANK	D-425	LO WASH VALVE OLD LPD OUT OF SERVICE	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8188	MIU	V	L	57.63	67	2	BLOWDOWN TANK	D-425	LO WASH VALVE OLD LPD FLOW CONTROLLER	TANK AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM

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TABLE 68
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
LIGHT OIL WASH BLOWDOWN PUMPS

2 Monthly Components, 21 Quarterly Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #	Control Room							
8200	MIU	V	L	57.63	68	2	BLOWDOWN	B-426	CLEANOUT	PUMP AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8201	MIU	V	L	57.63	68	2	BLOWDOWN	B-426	BLOCKING	PUMP AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8202	MIU	V	L	57.63	68	2	BLOWDOWN	B-426	CLEANOUT	PUMP AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8203	MIU	P	L	57.63	68	2	BLOWDOWN	B-426	LO TRANSFER PUMP SEAL	PUMP AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8204	MIU	V	L	57.63	68	2	BLOWDOWN	B-426	PRESSURE TAP	PUMP AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8205	MIU	G	L	57.63	68	2	BLOWDOWN	B-426	PRESSURE GAUGE	PUMP AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8206	MIU	V	L	57.63	68	2	BLOWDOWN	B-426	CHECK	PUMP AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8207	MIU	V	L	57.63	68	2	BLOWDOWN	B-426	BLOCKING	PUMP AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8208	MIU	V	L	57.63	68	2	BLOWDOWN	B-426	CHECK	PUMP AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8209	MIU	V	L	57.63	68	2	BLOWDOWN	B-426	CLEANOUT	PUMP AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8215	MIU	V	L	57.63	68	2	BLOWDOWN TANK	B-426	CLEANOUT	PUMP AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8216	MIU	V	L	57.63	68	2	BLOWDOWN TANK	B-426	BLOCKING	PUMP AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM, 12/95
8217	MIU	V	L	57.63	68	2	BLOWDOWN	B-426	PRESSURE TAP	PUMP AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8218	MIU	G	L	57.63	68	2	BLOWDOWN	B-426	PRESSURE GAUGE	PUMP AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8219	MIU	P	L	57.63	68	2	BLOWDOWN	B-426	LO TRANSFER PUMP SEAL	PUMP AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8220	MIU	V	L	57.63	68	2	BLOWDOWN	B-426	CHECK	PUMP AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8221	MIU	V	L	57.63	68	2	BLOWDOWN	B-426	BLOCKING	PUMP AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8222	MIU	V	L	57.63	68	2	BLOWDOWN TANK	D-425	BLOCKING	PUMP AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8223	MIU	V	L	57.63	68	2	BLOWDOWN	B-426	BLOCKING	PUMP AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8224	MIU	V	L	57.63	68	2	BLOWDOWN	REGEN	BLOCKING	PUMP AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM
8225	MIU	V	L	57.63	68	2	BLOWDOWN	REGEN	BLOCKING	PUMP AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM, 12/95
8226	MIU	V	L	57.63	68	2	BLOWDOWN	REGEN	CHECK	PUMP AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM, 12/95
8227	MIU	V	L	57.63	68	2	BLOWDOWN	REGEN	TO MAIN REGENERATOR WASH	PUMP AREA	LOM	Y	LO WASH BLOWDOWN SYSTEM, 12/95

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TABLE 69
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
LIGHT OIL WASH, MAIN QUAD NO. 1

24 Quarterly Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #	Control Room							
0691		ACETONE MANIFOLD											
8250	MIU	V	L	57.63	69	2	MAIN QUAD	QUAD 1	ACETONE MANIFOLD BLOCKING	PLATFORM	LOM	Y	LO WASH
8251	MIU	V	L	57.63	69	2	MAIN QUAD	QUAD 1	ACETONE MANIFOLD BLOCKING	PLATFORM	LOM	Y	LO WASH
8252	MIU	V	L	57.63	69	2	MAIN QUAD	QUAD 1	ACETONE MANIFOLD CLEANOUT	PLATFORM	LOM	Y	LO WASH
8253	MIU	V	L	57.63	69	2	MAIN QUAD	QUAD 1	ACETONE MANIFOLD NITROGEN	PLATFORM	LOM	Y	LO WASH
8254	MIU	V	L	57.63	69	2	MAIN QUAD	QUAD 1	ACETONE MANIFOLD BLOCKING	PLATFORM	LOM	Y	LO WASH
8255	MIU	V	L	57.63	69	2	MAIN QUAD	QUAD 1	ACETONE MANIFOLD BLOCKING	PLATFORM	LOM	Y	LO WASH
8256	MIU	V	L	57.63	69	2	MAIN QUAD	QUAD 1	ACETONE MANIFOLD CLEANOUT	PLATFORM	LOM	Y	LO WASH
8257	MIU	V	L	57.63	69	2	MAIN QUAD	QUAD 1	ACETONE MANIFOLD NITROGEN	PLATFORM	LOM	Y	LO WASH
8258	MIU	V	L	57.63	69	2	MAIN QUAD	QUAD 1	ACETONE MANIFOLD CLEANOUT	PLATFORM	LOM	Y	LO WASH
8259	MIU	V	L	57.63	69	2	MAIN QUAD	QUAD 1	ACETONE MANIFOLD CLEANOUT	PLATFORM	LOM	Y	LO WASH
8260	MIU	V	L	57.63	69	2	MAIN QUAD	QUAD 1	ACETONE MANIFOLD BLOCKING	PLATFORM	LOM	Y	LO WASH
8261	MIU	V	L	57.63	69	2	MAIN QUAD	QUAD 1	ACETONE MANIFOLD NITROGEN	PLATFORM	LOM	Y	LO WASH
8262	MIU	V	L	57.63	69	2	MAIN QUAD	QUAD 1	ACETONE MANIFOLD NITROGEN PURGE	PLATFORM	LOM	Y	LO WASH
0692		DRAIN MANIFOLD											
8270	MIU	V	L	57.63	69	2	MAIN QUAD	QUAD 1	LOW POINT DRAIN MANIFOLD BLOCKING	PASSAGEWAY	LOM	Y	LO WASH
8271	MIU	V	L	57.63	69	2	MAIN QUAD	QUAD 1	LOW POINT DRAIN MANIFOLD BLOCKING	PASSAGEWAY	LOM	Y	LO WASH
8272	MIU	V	L	57.63	69	2	MAIN QUAD	QUAD 1	LOW POINT DRAIN MANIFOLD BLOCKING	PASSAGEWAY	LOM	Y	LO WASH
8273	MIU	V	L	57.63	69	2	MAIN QUAD	QUAD 1	LOW POINT DRAIN MANIFOLD BLOCKING	PASSAGEWAY	LOM	Y	LO WASH
8274	MIU	V	L	57.63	69	2	MAIN QUAD	QUAD 1	LOW POINT DRAIN MANIFOLD BLOCKING	PASSAGEWAY	LOM	Y	LO WASH
8275	MIU	V	L	57.63	69	2	MAIN QUAD	QUAD 1	LOW POINT DRAIN MANIFOLD BLOCKING	PASSAGEWAY	LOM	Y	LO WASH
8276	MIU	V	L	57.63	69	2	MAIN QUAD	QUAD 1	LOW POINT DRAIN MANIFOLD BLOCKING	PASSAGEWAY	LOM	Y	LO WASH
8277	MIU	V	L	57.63	69	2	MAIN QUAD	QUAD 1	LOW POINT DRAIN MANIFOLD BLOCKING	PASSAGEWAY	LOM	Y	LO WASH
8278	MIU	V	L	57.63	69	2	MAIN QUAD	QUAD 1	LOW POINT DRAIN MANIFOLD CLEANOUT	PASSAGEWAY	LOM	Y	LO WASH
8279	MIU	V	L	57.63	69	2	MAIN QUAD	QUAD 1	LOW POINT DRAIN MANIFOLD DISCHARGE	PASSAGEWAY	LOM	Y	LO WASH
8280	MIU	V	L	57.63	69	2	MAIN QUAD	QUAD 1	LOW POINT DRAIN MANIFOLD CLEANOUT	PASSAGEWAY	LOM	Y	LO WASH

TABLE 70
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
LIGHT OIL WASH, MAIN QUAD NO. 2

23 Quarterly Components, 8 Annual Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #	Control Room							
0701		DRAIN MANIFOLD											
8330	MIU	V	L	57.63	70	2	MAIN QUAD	QUAD 2	LOW POINT DRAIN MANIFOLD BLOCKING	PASSAGEWAY	LOM	Y	LO WASH, ADDED 12-95
8331	MIU	V	L	57.63	70	2	MAIN QUAD	QUAD 2	LOW POINT DRAIN MANIFOLD BLOCKING	PASSAGEWAY	LOM	Y	LO WASH, ADDED 12-95
8332	MIU	V	L	57.63	70	2	MAIN QUAD	QUAD 2	LOW POINT DRAIN MANIFOLD BLOCKING	PASSAGEWAY	LOM	Y	LO WASH
8333	MIU	V	L	57.63	70	2	MAIN QUAD	QUAD 2	LOW POINT DRAIN MANIFOLD BLOCKING	PASSAGEWAY	LOM	Y	LO WASH
8334	MIU	V	L	57.63	70	2	MAIN QUAD	QUAD 2	LOW POINT DRAIN MANIFOLD BLOCKING	PASSAGEWAY	LOM	Y	LO WASH
8335	MIU	V	L	57.63	70	2	MAIN QUAD	QUAD 2	LOW POINT DRAIN MANIFOLD BLOCKING	PASSAGEWAY	LOM	Y	LO WASH
8336	MIU	V	L	57.63	70	2	MAIN QUAD	QUAD 2	LOW POINT DRAIN MANIFOLD BLOCKING	PASSAGEWAY	LOM	Y	LO WASH
8337	MIU	V	L	57.63	70	2	MAIN QUAD	QUAD 2	LOW POINT DRAIN MANIFOLD BLOCKING	PASSAGEWAY	LOM	Y	LO WASH
8338	MIU	V	L	57.63	70	2	MAIN QUAD	QUAD 2	LOW POINT DRAIN MANIFOLD CLEANOUT	PASSAGEWAY	LOM	Y	LO WASH
8339	MIU	V	L	57.63	70	2	MAIN QUAD	QUAD 2	LOW POINT DRAIN MANIFOLD DISCHARGE	PASSAGEWAY	LOM	Y	LO WASH
8340	MIU	V	L	57.63	70	2	MAIN QUAD	QUAD 2	LOW POINT DRAIN MANIFOLD CLEANOUT	PASSAGEWAY	LOM	Y	LO WASH
0702		ACETONE MANIFOLD											
8300	MIU	V	L	57.63	70	2	MAIN QUAD	QUAD 2	ACETONE MANIFOLD NITROGEN PURGE	PLATFORM	LOM	Y	LO WASH
8301	MIU	V	L	57.63	70	2	MAIN QUAD	QUAD 2	ACETONE MANIFOLD BLOCKING	PLATFORM	LOM	Y	LO WASH
8302	MIU	V	L	57.63	70	2	MAIN QUAD	QUAD 2	ACETONE MANIFOLD BLOCKING	PLATFORM	LOM	Y	LO WASH
8303	MIU	V	L	57.63	70	2	MAIN QUAD	QUAD 2	ACETONE MANIFOLD CLEANOUT	PLATFORM	LOM	Y	LO WASH
8304	MIU	V	L	57.63	70	2	MAIN QUAD	QUAD 2	ACETONE MANIFOLD NITROGEN	PLATFORM	LOM	Y	LO WASH
8305	MIU	V	L	57.63	70	2	MAIN QUAD	QUAD 2	ACETONE MANIFOLD BLOCKING	PLATFORM	LOM	Y	LO WASH
8306	MIU	V	L	57.63	70	2	MAIN QUAD	QUAD 2	ACETONE MANIFOLD BLOCKING	PLATFORM	LOM	Y	LO WASH
8307	MIU	G	L	57.63	70	2	MAIN QUAD	QUAD 2	ACETONE MANIFOLD PRESSURE GAUGE	PLATFORM	LOM	Y	LO WASH
8308	MIU	V	L	57.63	70	2	MAIN QUAD	QUAD 2	ACETONE MANIFOLD NITROGEN	PLATFORM	LOM	Y	LO WASH
8309	MIU	V	L	57.63	70	2	MAIN QUAD	QUAD 2	ACETONE MANIFOLD NITROGEN	PLATFORM	LOM	Y	LO WASH
8310	MIU	V	L	57.63	70	2	MAIN QUAD	QUAD 2	ACETONE MANIFOLD BLOCKING	PLATFORM	LOM	Y	LO WASH
8311	MIU	V	L	57.63	70	2	MAIN QUAD	QUAD 2	ACETONE MANIFOLD BLOCKING	PLATFORM	LOM	Y	LO WASH
0703		PRESSURE TAP											
8320	AIU	V	L	57.63	70	2	MAIN QUAD	QUAD 2	DIFFERENTIAL PRESSURE TAP	WALL	LOM	N	LO WASH, ADDED 12-95
8321	AIU	V	L	57.63	70	2	MAIN QUAD	QUAD 2	DIFFERENTIAL PRESSURE TAP CLEANOUT	WALL	LOM	N	LO WASH, ADDED 12-95
8322	AIU	V	L	57.63	70	2	MAIN QUAD	QUAD 2	DIFFERENTIAL PRESSURE TAP	WALL	LOM	N	LO WASH, ADDED 12-95
8323	AIU	V	L	57.63	70	2	MAIN QUAD	QUAD 2	DIFFERENTIAL PRESSURE TAP CLEANOUT	WALL	LOM	N	LO WASH, ADDED 12-95
8324	AIU	V	L	57.63	70	2	MAIN QUAD	QUAD 2	DIFFERENTIAL PRESSURE TAP	WALL	LOM	N	LO WASH, ADDED 12-95
8325	AIU	V	L	57.63	70	2	MAIN QUAD	QUAD 2	DIFFERENTIAL PRESSURE TAP CLEANOUT	WALL	LOM	N	LO WASH, ADDED 12-95
8326	AIU	V	L	57.63	70	2	MAIN QUAD	QUAD 2	DIFFERENTIAL PRESSURE TAP	WALL	LOM	N	LO WASH, ADDED 12-95
8327	AIU	V	L	57.63	70	2	MAIN QUAD	QUAD 2	DIFFERENTIAL PRESSURE TAP CLEANOUT	WALL	LOM	N	LO WASH, ADDED 12-95

TABLE 71
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
LIGHT OIL WASH, MAIN QUAD NO. 3

27 Quarterly Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #	Control Room						
0711		DRAIN MANIFOLD										
8380	MIU	V	L	57.63	71	2	MAIN QUAD	QUAD 3	LOW POINT DRAIN MANIFOLD BLOCKING	PASSAGEWAY	LOM	Y	LO WASH
8381	MIU	V	L	57.63	71	2	MAIN QUAD	QUAD 3	LOW POINT DRAIN MANIFOLD BLOCKING	PASSAGEWAY	LOM	Y	LO WASH
8382	MIU	V	L	57.63	71	2	MAIN QUAD	QUAD 3	LOW POINT DRAIN MANIFOLD BLOCKING	PASSAGEWAY	LOM	Y	LO WASH
8383	MIU	V	L	57.63	71	2	MAIN QUAD	QUAD 3	LOW POINT DRAIN MANIFOLD BLOCKING	PASSAGEWAY	LOM	Y	LO WASH
8384	MIU	V	L	57.63	71	2	MAIN QUAD	QUAD 3	LOW POINT DRAIN MANIFOLD BLOCKING	PASSAGEWAY	LOM	Y	LO WASH
8385	MIU	V	L	57.63	71	2	MAIN QUAD	QUAD 3	LOW POINT DRAIN MANIFOLD BLOCKING	PASSAGEWAY	LOM	Y	LO WASH
8386	MIU	V	L	57.63	71	2	MAIN QUAD	QUAD 3	LOW POINT DRAIN MANIFOLD BLOCKING	PASSAGEWAY	LOM	Y	LO WASH
8387	MIU	V	L	57.63	71	2	MAIN QUAD	QUAD 3	LOW POINT DRAIN MANIFOLD BLOCKING	PASSAGEWAY	LOM	Y	LO WASH
8388	MIU	V	L	57.63	71	2	MAIN QUAD	QUAD 3	LOW POINT DRAIN MANIFOLD DISCHARGE	PASSAGEWAY	LOM	Y	LO WASH
8389	MIU	V	L	57.63	71	2	MAIN QUAD	QUAD 3	LOW POINT DRAIN MANIFOLD CLEANOUT	PASSAGEWAY	LOM	Y	LO WASH
0712		ACETONE MANIFOLD										
8350	MIU	V	L	57.63	71	2	MAIN QUAD	QUAD 3	ACETONE MANIFOLD NITROGEN PURGE	PLATFORM	LOM	Y	LO WASH
8351	MIU	V	L	57.63	71	2	MAIN QUAD	QUAD 3	ACETONE MANIFOLD BLOCKING	PLATFORM	LOM	Y	LO WASH
8352	MIU	V	L	57.63	71	2	MAIN QUAD	QUAD 3	ACETONE MANIFOLD BLOCKING	PLATFORM	LOM	Y	LO WASH
8353	MIU	V	L	57.63	71	2	MAIN QUAD	QUAD 3	ACETONE MANIFOLD BLOCKING	PLATFORM	LOM	Y	LO WASH
8354	MIU	V	L	57.63	71	2	MAIN QUAD	QUAD 3	ACETONE MANIFOLD BLOCKING	PLATFORM	LOM	Y	LO WASH
8355	MIU	V	L	57.63	71	2	MAIN QUAD	QUAD 3	ACETONE MANIFOLD BLOCKING	PLATFORM	LOM	Y	LO WASH
8356	MIU	V	L	57.63	71	2	MAIN QUAD	QUAD 3	ACETONE MANIFOLD CLEANOUT	PLATFORM	LOM	Y	LO WASH
8357	MIU	V	L	57.63	71	2	MAIN QUAD	QUAD 3	ACETONE MANIFOLD CLEANOUT	PLATFORM	LOM	Y	LO WASH
8358	MIU	V	L	57.63	71	2	MAIN QUAD	QUAD 3	ACETONE MANIFOLD BLOCKING	PLATFORM	LOM	Y	LO WASH
0713		PRESSURE TAP										
8370	MIU	V	L	57.63	71	2	MAIN QUAD	QUAD 3	DIFFERENTIAL PRESSURE TAP	WALL	LOM	Y	LO WASH, ADDED 12-95
8371	MIU	V	L	57.63	71	2	MAIN QUAD	QUAD 3	DIFFERENTIAL PRESSURE TAP CLEANOUT	WALL	LOM	Y	LO WASH, ADDED 12-95
8372	MIU	V	L	57.63	71	2	MAIN QUAD	QUAD 3	DIFFERENTIAL PRESSURE TAP	WALL	LOM	Y	LO WASH, ADDED 12-95
8373	MIU	V	L	57.63	71	2	MAIN QUAD	QUAD 3	DIFFERENTIAL PRESSURE TAP CLEANOUT	WALL	LOM	Y	LO WASH, ADDED 12-95
8374	MIU	V	L	57.63	71	2	MAIN QUAD	QUAD 3	DIFFERENTIAL PRESSURE TAP	WALL	LOM	Y	LO WASH, ADDED 12-95
8375	MIU	V	L	57.63	71	2	MAIN QUAD	QUAD 3	DIFFERENTIAL PRESSURE TAP CLEANOUT	WALL	LOM	Y	LO WASH, ADDED 12-95
8376	MIU	V	L	57.63	71	2	MAIN QUAD	QUAD 3	DIFFERENTIAL PRESSURE TAP	WALL	LOM	Y	LO WASH, ADDED 12-95
8377	MIU	V	L	57.63	71	2	MAIN QUAD	QUAD 3	DIFFERENTIAL PRESSURE TAP CLEANOUT	WALL	LOM	Y	LO WASH, ADDED 12-95

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TABLE 72
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
LIGHT OIL WASH, MAIN QUAD NO. 4

27 Quarterly Components, 4 Quarterly Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #	Control Room						
0721		DRAIN MANIFOLD										
8430	MIU	V	L	57.63	72	2	MAIN QUAD	QUAD 4	LOW POINT DRAIN MANIFOLD BLOCKING	PASSAGEWAY	LOM	Y	LO WASH
8431	MIU	V	L	57.63	72	2	MAIN QUAD	QUAD 4	LOW POINT DRAIN MANIFOLD	PASSAGEWAY	LOM	Y	LO WASH
8432	MIU	V	L	57.63	72	2	MAIN QUAD	QUAD 4	LOW POINT DRAIN MANIFOLD	PASSAGEWAY	LOM	Y	LO WASH
8433	MIU	V	L	57.63	72	2	MAIN QUAD	QUAD 4	LOW POINT DRAIN MANIFOLD	PASSAGEWAY	LOM	Y	LO WASH
8434	MIU	V	L	57.63	72	2	MAIN QUAD	QUAD 4	LOW POINT DRAIN MANIFOLD	PASSAGEWAY	LOM	Y	LO WASH
8435	MIU	V	L	57.63	72	2	MAIN QUAD	QUAD 4	LOW POINT DRAIN MANIFOLD	PASSAGEWAY	LOM	Y	LO WASH
8436	MIU	V	L	57.63	72	2	MAIN QUAD	QUAD 4	LOW POINT DRAIN MANIFOLD	PASSAGEWAY	LOM	Y	LO WASH
8437	MIU	V	L	57.63	72	2	MAIN QUAD	QUAD 4	LOW POINT DRAIN MANIFOLD	PASSAGEWAY	LOM	Y	LO WASH
8438	MIU	V	L	57.63	72	2	MAIN QUAD	QUAD 4	LOW POINT DRAIN MANIFOLD DISCHARGE	PASSAGEWAY	LOM	Y	LO WASH
8439	MIU	V	L	57.63	72	2	MAIN QUAD	QUAD 4	LOW POINT DRAIN MANIFOLD CLEANOUT	PASSAGEWAY	LOM	Y	LO WASH
8440	MIU	V	L	57.63	72	2	MAIN QUAD	QUAD 4	LOW POINT DRAIN MANIFOLD CLEANOUT	PASSAGEWAY	LOM	Y	LO WASH
0722		ACETONE MANIFOLD										
8401	MIU	V	L	57.63	72	2	MAIN QUAD	QUAD 4	ACETONE MANIFOLD BLOCKING	PLATFORM	LOM	Y	LO WASH
8402	MIU	V	L	57.63	72	2	MAIN QUAD	QUAD 4	ACETONE MANIFOLD CLEANOUT	PLATFORM	LOM	Y	LO WASH
8403	MIU	V	L	57.63	72	2	MAIN QUAD	QUAD 4	ACETONE MANIFOLD CLEANOUT	PLATFORM	LOM	Y	LO WASH
8404	MIU	V	L	57.63	72	2	MAIN QUAD	QUAD 4	ACETONE MANIFOLD BLOCKING	PLATFORM	LOM	Y	LO WASH
8405	MIU	V	L	57.63	72	2	MAIN QUAD	QUAD 4	ACETONE MANIFOLD BLOCKING	PLATFORM	LOM	Y	LO WASH
8406	MIU	V	L	57.63	72	2	MAIN QUAD	QUAD 4	ACETONE MANIFOLD CLEANOUT	PLATFORM	LOM	Y	LO WASH
8407	MIU	V	L	57.63	72	2	MAIN QUAD	QUAD 4	ACETONE MANIFOLD CLEANOUT	PLATFORM	LOM	Y	LO WASH
8408	MIU	V	L	57.63	72	2	MAIN QUAD	QUAD 4	ACETONE MANIFOLD BLOCKING	PLATFORM	LOM	Y	LO WASH
8409	MIU	V	L	57.63	72	2	MAIN QUAD	QUAD 4	ACETONE MANIFOLD BLOCKING	PLATFORM	LOM	Y	LO WASH
8410	MIU	V	L	57.63	72	2	MAIN QUAD	QUAD 4	ACETONE MANIFOLD CLEANOUT	PLATFORM	LOM	Y	LO WASH
8411	MIU	V	L	57.63	72	2	MAIN QUAD	QUAD 4	ACETONE MANIFOLD CLEANOUT	PLATFORM	LOM	Y	LO WASH
8412	MIU	V	L	57.63	72	2	MAIN QUAD	QUAD 4	ACETONE MANIFOLD BLOCKING	PLATFORM	LOM	Y	LO WASH
0723		PRESSURE TAP										
8420	AIU	V	L	57.63	72	2	MAIN QUAD	QUAD 4	DIFFERENTIAL PRESSURE TAP	WALL	LOM	N	LO WASH, ADDED 12-95
8421	MIU	V	L	57.63	72	2	MAIN QUAD	QUAD 4	DIFFERENTIAL PRESSURE TAP	WALL	LOM	Y	LO WASH, ADDED 12-95
8422	AIU	V	L	57.63	72	2	MAIN QUAD	QUAD 4	DIFFERENTIAL PRESSURE TAP	WALL	LOM	N	LO WASH, ADDED 12-95
8423	MIU	V	L	57.63	72	2	MAIN QUAD	QUAD 4	DIFFERENTIAL PRESSURE TAP	WALL	LOM	Y	LO WASH, ADDED 12-95
8424	AIU	V	L	57.63	72	2	MAIN QUAD	QUAD 4	DIFFERENTIAL PRESSURE TAP	WALL	LOM	N	LO WASH, ADDED 12-95
8425	MIU	V	L	57.63	72	2	MAIN QUAD	QUAD 4	DIFFERENTIAL PRESSURE TAP	WALL	LOM	Y	LO WASH, ADDED 12-95
8426	AIU	V	L	57.63	72	2	MAIN QUAD	QUAD 4	DIFFERENTIAL PRESSURE TAP	WALL	LOM	N	LO WASH, ADDED 12-95
8427	MIU	V	L	57.63	72	2	MAIN QUAD	QUAD 4	DIFFERENTIAL PRESSURE TAP	WALL	LOM	Y	LO WASH, ADDED 12-95

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TABLE 73
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
LIGHT OIL WASH, MAIN QUAD NO. 5

31 Quarterly Components, 1 Annual Component

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #	Control Room						
0721	DRAIN MANIFOLD											
8450	MIU	V	L	57.63	73	2	MAIN QUAD	QUAD 5	LOW POINT DRAIN MANIFOLD BLOCKING	PASSAGEWAY	LOM	Y	LO WASH
8451	MIU	V	L	57.63	73	2	MAIN QUAD	QUAD 5	LOW POINT DRAIN MANIFOLD BLOCKING	PASSAGEWAY	LOM	Y	LO WASH
8452	MIU	V	L	57.63	73	2	MAIN QUAD	QUAD 5	LOW POINT DRAIN MANIFOLD CLEANOUT	PASSAGEWAY	LOM	Y	LO WASH
8453	MIU	V	L	57.63	73	2	MAIN QUAD	QUAD 5	LOW POINT DRAIN MANIFOLD CLEANOUT	PASSAGEWAY	LOM	Y	LO WASH
8454	MIU	V	L	57.63	73	2	MAIN QUAD	QUAD 5	LOW POINT DRAIN MANIFOLD BLOCKING	PASSAGEWAY	LOM	Y	LO WASH
8455	MIU	V	L	57.63	73	2	MAIN QUAD	QUAD 5	LOW POINT DRAIN MANIFOLD BLOCKING	PASSAGEWAY	LOM	Y	LO WASH
8456	MIU	V	L	57.63	73	2	MAIN QUAD	QUAD 5	LOW POINT DRAIN MANIFOLD BLOCKING	PASSAGEWAY	LOM	Y	LO WASH
8457	MIU	V	L	57.63	73	2	MAIN QUAD	QUAD 5	LOW POINT DRAIN MANIFOLD BLOCKING	PASSAGEWAY	LOM	Y	LO WASH
8458	MIU	V	L	57.63	73	2	MAIN QUAD	QUAD 5	LOW POINT DRAIN MANIFOLD BLOCKING	PASSAGEWAY	LOM	Y	LO WASH
8459	MIU	V	L	57.63	73	2	MAIN QUAD	QUAD 5	LOW POINT DRAIN MANIFOLD BLOCKING	PASSAGEWAY	LOM	Y	LO WASH
8460	MIU	V	L	57.63	73	2	MAIN QUAD	QUAD 5	LOW POINT DRAIN MANIFOLD DISCHARGE	PASSAGEWAY	LOM	Y	LO WASH
8461	MIU	V	L	57.63	73	2	MAIN QUAD	QUAD 5	LOW POINT DRAIN MANIFOLD CLEANOUT	PASSAGEWAY	LOM	Y	LO WASH
0722	ACETONE MANIFOLD											
8480	MIU	V	L	57.63	73	2	MAIN QUAD	QUAD 5	ACETONE MANIFOLD NITROGEN PURGE	PLATFORM	LOM	Y	LO WASH
8481	MIU	V	L	57.63	73	2	MAIN QUAD	QUAD 5	ACETONE MANIFOLD BLOCKING	PLATFORM	LOM	Y	LO WASH
8482	MIU	V	L	57.63	73	2	MAIN QUAD	QUAD 5	ACETONE MANIFOLD NITROGEN	PLATFORM	LOM	Y	LO WASH
8483	MIU	V	L	57.63	73	2	MAIN QUAD	QUAD 5	ACETONE MANIFOLD CLEANOUT	PLATFORM	LOM	Y	LO WASH
8484	MIU	V	L	57.63	73	2	MAIN QUAD	QUAD 5	ACETONE MANIFOLD BLOCKING	PLATFORM	LOM	Y	LO WASH
8485	MIU	V	L	57.63	73	2	MAIN QUAD	QUAD 5	ACETONE MANIFOLD BLOCKING	PLATFORM	LOM	Y	LO WASH
8486	MIU	V	L	57.63	73	2	MAIN QUAD	QUAD 5	ACETONE MANIFOLD NITROGEN	PLATFORM	LOM	Y	LO WASH
8487	MIU	V	L	57.63	73	2	MAIN QUAD	QUAD 5	ACETONE MANIFOLD BLOCKING	PLATFORM	LOM	Y	LO WASH
8488	MIU	V	L	57.63	73	2	MAIN QUAD	QUAD 5	ACETONE MANIFOLD BLOCKING	PLATFORM	LOM	Y	LO WASH
8489	MIU	V	L	57.63	73	2	MAIN QUAD	QUAD 5	ACETONE MANIFOLD NITROGEN	PLATFORM	LOM	Y	LO WASH
8490	MIU	V	L	57.63	73	2	MAIN QUAD	QUAD 5	ACETONE MANIFOLD CLEANOUT	PLATFORM	LOM	Y	LO WASH
8491	MIU	V	L	57.63	73	2	MAIN QUAD	QUAD 5	ACETONE MANIFOLD BLOCKING	PLATFORM	LOM	Y	LO WASH
0723	PRESSURE TAP											
8465	AIU	V	L	57.63	73	2	MAIN QUAD	QUAD 5	DIFFERENTIAL PRESSURE TAP	WALL	LOM	N	LO WASH, ADDED 12-95
8466	MIU	V	L	57.63	73	2	MAIN QUAD	QUAD 5	DIFFERENTIAL PRESSURE TAP CLEANOUT	WALL	LOM	Y	LO WASH, ADDED 12-95
8467	MIU	V	L	57.63	73	2	MAIN QUAD	QUAD 5	DIFFERENTIAL PRESSURE TAP	WALL	LOM	Y	LO WASH, ADDED 12-95
8468	MIU	V	L	57.63	73	2	MAIN QUAD	QUAD 5	DIFFERENTIAL PRESSURE TAP CLEANOUT	WALL	LOM	Y	LO WASH, ADDED 12-95
8469	MIU	V	L	57.63	73	2	MAIN QUAD	QUAD 5	DIFFERENTIAL PRESSURE TAP	WALL	LOM	Y	LO WASH, ADDED 12-95
8470	MIU	V	L	57.63	73	2	MAIN QUAD	QUAD 5	DIFFERENTIAL PRESSURE TAP CLEANOUT	WALL	LOM	Y	LO WASH, ADDED 12-95
8471	MIU	V	L	57.63	73	2	MAIN QUAD	QUAD 5	DIFFERENTIAL PRESSURE TAP	WALL	LOM	Y	LO WASH, ADDED 12-95
8472	MIU	V	L	57.63	73	2	MAIN QUAD	QUAD 5	DIFFERENTIAL PRESSURE TAP CLEANOUT	WALL	LOM	Y	LO WASH, ADDED 12-95

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TABLE 74
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
LIGHT OIL WASH, MAIN QUAD NO. 6

31 Quarterly Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #	Control Room					
0741		DRAIN MANIFOLD									
8500	MIU	V	L	57.63	74	2	MAIN QUAD	QUAD 6	LOW POINT DRAIN MANIFOLD BLOCKING	PASSAGEWAY	LOM Y LO WASH
8501	MIU	V	L	57.63	74	2	MAIN QUAD	QUAD 6	LOW POINT DRAIN MANIFOLD	PASSAGEWAY	LOM Y LO WASH
8502	MIU	V	L	57.63	74	2	MAIN QUAD	QUAD 6	LOW POINT DRAIN MANIFOLD	PASSAGEWAY	LOM Y LO WASH
8503	MIU	V	L	57.63	74	2	MAIN QUAD	QUAD 6	LOW POINT DRAIN MANIFOLD	PASSAGEWAY	LOM Y LO WASH
8504	MIU	V	L	57.63	74	2	MAIN QUAD	QUAD 6	LOW POINT DRAIN MANIFOLD	PASSAGEWAY	LOM Y LO WASH
8505	MIU	V	L	57.63	74	2	MAIN QUAD	QUAD 6	LOW POINT DRAIN MANIFOLD	PASSAGEWAY	LOM Y LO WASH
8506	MIU	V	L	57.63	74	2	MAIN QUAD	QUAD 6	LOW POINT DRAIN MANIFOLD	PASSAGEWAY	LOM Y LO WASH
8507	MIU	V	L	57.63	74	2	MAIN QUAD	QUAD 6	LOW POINT DRAIN MANIFOLD	PASSAGEWAY	LOM Y LO WASH
8508	MIU	V	L	57.63	74	2	MAIN QUAD	QUAD 6	LOW POINT DRAIN MANIFOLD DISCHARGE	PASSAGEWAY	LOM Y LO WASH
8509	MIU	V	L	57.63	74	2	MAIN QUAD	QUAD 6	LOW POINT DRAIN MANIFOLD CLEANOUT	PASSAGEWAY	LOM Y LO WASH, ADDED 12-95
0742		ACETONE MANIFOLD									
8530	MIU	V	L	57.63	74	2	MAIN QUAD	QUAD 6	ACETONE MANIFOLD NITROGEN PURGE	PLATFORM	LOM Y LO WASH
8531	MIU	V	L	57.63	74	2	MAIN QUAD	QUAD 6	ACETONE MANIFOLD BLOCKING	PLATFORM	LOM Y LO WASH
8532	MIU	V	L	57.63	74	2	MAIN QUAD	QUAD 6	ACETONE MANIFOLD CLEANOUT	PLATFORM	LOM Y LO WASH
8533	MIU	V	L	57.63	74	2	MAIN QUAD	QUAD 6	ACETONE MANIFOLD CLEANOUT	PLATFORM	LOM Y LO WASH
8534	MIU	V	L	57.63	74	2	MAIN QUAD	QUAD 6	ACETONE MANIFOLD BLOCKING	PLATFORM	LOM Y LO WASH
8535	MIU	V	L	57.63	74	2	MAIN QUAD	QUAD 6	ACETONE MANIFOLD BLOCKING	PLATFORM	LOM Y LO WASH
8536	MIU	V	L	57.63	74	2	MAIN QUAD	QUAD 6	ACETONE MANIFOLD CLEANOUT	PLATFORM	LOM Y LO WASH
8537	MIU	V	L	57.63	74	2	MAIN QUAD	QUAD 6	ACETONE MANIFOLD CLEANOUT	PLATFORM	LOM Y LO WASH
8538	MIU	V	L	57.63	74	2	MAIN QUAD	QUAD 6	ACETONE MANIFOLD BLOCKING	PLATFORM	LOM Y LO WASH
8539	MIU	V	L	57.63	74	2	MAIN QUAD	QUAD 6	ACETONE MANIFOLD BLOCKING	PLATFORM	LOM Y LO WASH
8540	MIU	V	L	57.63	74	2	MAIN QUAD	QUAD 6	ACETONE MANIFOLD CLEANOUT	PLATFORM	LOM Y LO WASH
8541	MIU	V	L	57.63	74	2	MAIN QUAD	QUAD 6	ACETONE MANIFOLD CLEANOUT	PLATFORM	LOM Y LO WASH
8542	MIU	V	L	57.63	74	2	MAIN QUAD	QUAD 6	ACETONE MANIFOLD BLOCKING	PLATFORM	LOM Y LO WASH
0743		PRESSURE TAP									
8515	MIU	V	L	57.63	74	2	MAIN QUAD	QUAD 6	DIFFERENTIAL PRESSURE TAP	WALL	LOM Y LO WASH, ADDED 12-95
8516	MIU	V	L	57.63	74	2	MAIN QUAD	QUAD 6	DIFFERENTIAL PRESSURE TAP CLEANOUT	WALL	LOM Y LO WASH, ADDED 12-95
8517	MIU	V	L	57.63	74	2	MAIN QUAD	QUAD 6	DIFFERENTIAL PRESSURE TAP	WALL	LOM Y LO WASH, ADDED 12-95
8518	MIU	V	L	57.63	74	2	MAIN QUAD	QUAD 6	DIFFERENTIAL PRESSURE TAP CLEANOUT	WALL	LOM Y LO WASH, ADDED 12-95
8519	MIU	V	L	57.63	74	2	MAIN QUAD	QUAD 6	DIFFERENTIAL PRESSURE TAP	WALL	LOM Y LO WASH, ADDED 12-95
8520	MIU	V	L	57.63	74	2	MAIN QUAD	QUAD 6	DIFFERENTIAL PRESSURE TAP CLEANOUT	WALL	LOM Y LO WASH, ADDED 12-95
8521	MIU	V	L	57.63	74	2	MAIN QUAD	QUAD 6	DIFFERENTIAL PRESSURE TAP	WALL	LOM Y LO WASH, ADDED 12-95
8522	MIU	V	L	57.63	74	2	MAIN QUAD	QUAD 6	DIFFERENTIAL PRESSURE TAP CLEANOUT	WALL	LOM Y LO WASH, ADDED 12-95

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TABLE 75
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
LIGHT OIL WASH, MAIN QUAD NO. 7

32 Quarterly Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #	Control Room						
0751		DRAIN MANIFOLD										
8550	MIU	V	L	57.63	75	2	MAIN QUAD	QUAD 7	LOW POINT DRAIN MANIFOLD BLOCKING	PASSAGEWAY	LOM	Y	LO WASH
8551	MIU	V	L	57.63	75	2	MAIN QUAD	QUAD 7	LOW POINT DRAIN MANIFOLD CLEANOUT	PASSAGEWAY	LOM	Y	LO WASH
8552	MIU	V	L	57.63	75	2	MAIN QUAD	QUAD 7	LOW POINT DRAIN MANIFOLD BLOCKING	PASSAGEWAY	LOM	Y	LO WASH
8553	MIU	V	L	57.63	75	2	MAIN QUAD	QUAD 7	LOW POINT DRAIN MANIFOLD DISCHARGE	PASSAGEWAY	LOM	Y	LO WASH
8554	MIU	V	L	57.63	75	2	MAIN QUAD	QUAD 7	LOW POINT DRAIN MANIFOLD CLEANOUT	PASSAGEWAY	LOM	Y	LO WASH
8555	MIU	V	L	57.63	75	2	MAIN QUAD	QUAD 7	LOW POINT DRAIN MANIFOLD AIR TAP	PASSAGEWAY	LOM	Y	LO WASH
8556	MIU	V	L	57.63	75	2	MAIN QUAD	QUAD 7	LOW POINT DRAIN MANIFOLD DRAIN	PASSAGEWAY	LOM	Y	LO WASH
0752		PRESSURE TAP										
8565	MIU	V	L	57.63	75	2	MAIN QUAD	QUAD 7	PRESSURE DIFFERENTIAL TAP	WALL	LOM	Y	LO WASH, ADDED 12-95
8566	MIU	V	L	57.63	75	2	MAIN QUAD	QUAD 7	PRESSURE DIFFERENTIAL TAP CLEANOUT	WALL	LOM	Y	LO WASH, ADDED 12-95
8567	MIU	V	L	57.63	75	2	MAIN QUAD	QUAD 7	PRESSURE DIFFERENTIAL TAP	WALL	LOM	Y	LO WASH, ADDED 12-95
8568	MIU	V	L	57.63	75	2	MAIN QUAD	QUAD 7	PRESSURE DIFFERENTIAL TAP CLEANOUT	WALL	LOM	Y	LO WASH, ADDED 12-95
8569	MIU	V	L	57.63	75	2	MAIN QUAD	QUAD 7	PRESSURE DIFFERENTIAL TAP	WALL	LOM	Y	LO WASH, ADDED 12-95
8570	MIU	V	L	57.63	75	2	MAIN QUAD	QUAD 7	PRESSURE DIFFERENTIAL TAP CLEANOUT	WALL	LOM	Y	LO WASH, ADDED 12-95
8571	MIU	V	L	57.63	75	2	MAIN QUAD	QUAD 7	PRESSURE DIFFERENTIAL TAP	WALL	LOM	Y	LO WASH, ADDED 12-95
8572	MIU	V	L	57.63	75	2	MAIN QUAD	QUAD 7	PRESSURE DIFFERENTIAL TAP CLEANOUT	WALL	LOM	Y	LO WASH, ADDED 12-95
0753		ACETONE MANIFOLD										
8580	MIU	V	L	57.63	75	2	MAIN QUAD	QUAD 7	ACETONE MANIFOLD NITROGEN PURGE	PLATFORM	LOM	Y	LO WASH
8581	MIU	V	L	57.63	75	2	MAIN QUAD	QUAD 7	ACETONE MANIFOLD BLOCKING	PLATFORM	LOM	Y	LO WASH
8582	MIU	V	L	57.63	75	2	MAIN QUAD	QUAD 7	ACETONE MANIFOLD BLOCKING	PLATFORM	LOM	Y	LO WASH
8583	MIU	V	L	57.63	75	2	MAIN QUAD	QUAD 7	ACETONE MANIFOLD CLEANOUT	PLATFORM	LOM	Y	LO WASH, ADDED 12-95
8584	MIU	V	L	57.63	75	2	MAIN QUAD	QUAD 7	ACETONE MANIFOLD CLEANOUT	PLATFORM	LOM	Y	LO WASH
8585	MIU	V	L	57.63	75	2	MAIN QUAD	QUAD 7	ACETONE MANIFOLD CLEANOUT	PLATFORM	LOM	Y	LO WASH, ADDED 12-95
8586	MIU	V	L	57.63	75	2	MAIN QUAD	QUAD 7	ACETONE MANIFOLD CLEANOUT	PLATFORM	LOM	Y	LO WASH
8587	MIU	V	L	57.63	75	2	MAIN QUAD	QUAD 7	ACETONE MANIFOLD BLOCKING	PLATFORM	LOM	Y	LO WASH
8588	MIU	V	L	57.63	75	2	MAIN QUAD	QUAD 7	ACETONE MANIFOLD BLOCKING	PLATFORM	LOM	Y	LO WASH
8589	MIU	V	L	57.63	75	2	MAIN QUAD	QUAD 7	ACETONE MANIFOLD CLEANOUT	PLATFORM	LOM	Y	LO WASH
8590	MIU	V	L	57.63	75	2	MAIN QUAD	QUAD 7	ACETONE MANIFOLD CLEANOUT	PLATFORM	LOM	Y	LO WASH
8591	MIU	V	L	57.63	75	2	MAIN QUAD	QUAD 7	ACETONE MANIFOLD CLEANOUT	PLATFORM	LOM	Y	LO WASH, ADDED 12-95
8592	MIU	V	L	57.63	75	2	MAIN QUAD	QUAD 7	ACETONE MANIFOLD BLOCKING	PLATFORM	LOM	Y	LO WASH
8593	MIU	V	L	57.63	75	2	MAIN QUAD	QUAD 7	ACETONE MANIFOLD BLOCKING	PLATFORM	LOM	Y	LO WASH
8594	MIU	V	L	57.63	75	2	MAIN QUAD	QUAD 7	ACETONE MANIFOLD CLEANOUT	PLATFORM	LOM	Y	LO WASH
8595	MIU	V	L	57.63	75	2	MAIN QUAD	QUAD 7	ACETONE MANIFOLD CLEANOUT	PLATFORM	LOM	Y	LO WASH
8596	MIU	V	L	57.63	75	2	MAIN QUAD	QUAD 7	ACETONE MANIFOLD CLEANOUT	PLATFORM	LOM	Y	LO WASH

TABLE 76
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
LIGHT OIL WASH AND BALANCING GAS AREAS, MAIN QUADS NO. 1 AND 2

58 Quarterly Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #	Control Recess						
0761	QUAD #1 AREA											
8600	MIU	V	G	16.00	76	2	MAIN QUAD	R-401D	BENZENE OVER FLOW VALVE BLOCKING	OVER WALKWAY	SG	Y	LO WASH
8601	MIU	V	G	16.00	76	2	MAIN QUAD	R-401D	BENZENE OVER FLOW VALVE CLEANOUT	OVER WALKWAY	SG	Y	LO WASH
8602	MIU	V	G	16.00	76	2	MAIN QUAD	R-401C	BENZENE OVER FLOW VALVE BLOCKING	OVER WALKWAY	SG	Y	LO WASH
8603	MIU	V	G	16.00	76	2	MAIN QUAD	R-401C	BENZENE OVER FLOW VALVE CLEANOUT	OVER WALKWAY	SG	Y	LO WASH
8604	MIU	V	G	16.00	76	2	MAIN QUAD	R-401B	BENZENE OVER FLOW BLOCKING	OVER WALKWAY	SG	Y	LO WASH
8605	MIU	V	G	16.00	76	2	MAIN QUAD	R-401B	BENZENE OVER FLOW CLEANOUT	OVER WALKWAY	SG	Y	LO WASH
8606	MIU	V	G	16.00	76	2	MAIN QUAD	R-401A	BENZENE OVER FLOW VALVE BLOCKING	OVER WALKWAY	SG	Y	LO WASH
8607	MIU	V	G	16.00	76	2	MAIN QUAD	R-401A	BENZENE OVER FLOW VALVE CLEANOUT	OVER WALKWAY	SG	Y	LO WASH
8615	Q	V	G	16.00	76	2	MAIN QUAD	R-401D	DERIMMING GAS VALVE CLEANOUT	OVER WALKWAY	SG	Y	
8616	Q	V	G	16.00	76	2	MAIN QUAD	R-401D	DERIMMING GAS VALVE BLOCKING	OVER WALKWAY	SG	Y	
8617	Q	V	G	16.00	76	2	MAIN QUAD	R-401D	DERIMMING GAS VALVE CLEANOUT	OVER WALKWAY	SG	Y	
8618	Q	V	G	16.00	76	2	MAIN QUAD	R-401C	DERIMMING GAS VALVE CLEANOUT	OVER WALKWAY	SG	Y	
8619	Q	V	G	16.00	76	2	MAIN QUAD	R-401C	DERIMMING GAS VALVE BLOCKING	OVER WALKWAY	SG	Y	
8620	Q	V	G	16.00	76	2	MAIN QUAD	R-401B	DERIMMING GAS VALVE BLOCKING	OVER WALKWAY	SG	Y	
8621	Q	V	G	16.00	76	2	MAIN QUAD	R-401B	DERIMMING GAS VALVE CLEANOUT	OVER WALKWAY	SG	Y	
8622	Q	V	G	16.00	76	2	MAIN QUAD	R-401A	DERIMMING GAS VALVE BLOCKING	OVER WALKWAY	SG	Y	ADDED 12-95
8623	Q	V	G	16.00	76	2	MAIN QUAD	R-401A	DERIMMING GAS VALVE CLEANOUT	OVER WALKWAY	SG	Y	
0762	QUAD #2 AREA											
8630	MIU	V	G	16.00	76	2	MAIN QUAD	R-402A	BENZENE OVER FLOW VALVE BLOCKING	OVER WALKWAY	SG	Y	LO WASH
8631	MIU	V	G	16.00	76	2	MAIN QUAD	R-402A	BENZENE OVER FLOW VALVE CLEANOUT	OVER WALKWAY	SG	Y	LO WASH
8632	MIU	V	G	16.00	76	2	MAIN QUAD	R-402B	BENZENE OVER FLOW VALVE BLOCKING	OVER WALKWAY	SG	Y	LO WASH
8633	MIU	V	G	16.00	76	2	MAIN QUAD	R-402B	BENZENE OVER FLOW VALVE CLEANOUT	OVER WALKWAY	SG	Y	LO WASH
8634	MIU	V	G	16.00	76	2	MAIN QUAD	R-402C	BENZENE OVER FLOW VALVE BLOCKING	OVER WALKWAY	SG	Y	LO WASH
8635	MIU	V	G	16.00	76	2	MAIN QUAD	R-402C	BENZENE OVER FLOW VALVE CLEANOUT	OVER WALKWAY	SG	Y	LO WASH
8636	MIU	V	G	16.00	76	2	MAIN QUAD	R-402D	BENZENE OVER FLOW VALVE BLOCKING	OVER WALKWAY	SG	Y	LO WASH
8637	MIU	V	G	16.00	76	2	MAIN QUAD	R-402D	BENZENE OVER FLOW VALVE CLEANOUT	OVER WALKWAY	SG	Y	LO WASH
8645	Q	V	G	16.00	76	2	MAIN QUAD	R-402A	DERIMING GAS VALVE BLOCKING	OVER WALKWAY	SG	Y	
8646	Q	V	G	16.00	76	2	MAIN QUAD	R-402A	DERIMING GAS VALVE BLOCKING	OVER WALKWAY	SG	Y	
8647	Q	V	G	16.00	76	2	MAIN QUAD	R-402A	DERIMING GAS VALVE CLEANOUT	OVER WALKWAY	SG	Y	
8648	Q	V	G	16.00	76	2	MAIN QUAD	R-402B	DERIMING GAS VALVE CLEANOUT	OVER WALKWAY	SG	Y	
8649	Q	V	G	16.00	76	2	MAIN QUAD	R-402B	DERIMING GAS VALVE BLOCKING	OVER WALKWAY	SG	Y	
8650	Q	V	G	16.00	76	2	MAIN QUAD	R-402C	DERIMING GAS VALVE CLEANOUT	OVER WALKWAY	SG	Y	
8651	Q	V	G	16.00	76	2	MAIN QUAD	R-402C	DERIMING GAS VALVE BLOCKING	OVER WALKWAY	SG	Y	ADDED 12-95
8652	Q	V	G	16.00	76	2	MAIN QUAD	R-402D	DERIMING GAS VALVE CLEANOUT	OVER WALKWAY	SG	Y	
8653	Q	V	G	16.00	76	2	MAIN QUAD	R-402D	DERIMING GAS VALVE BLOCKING	OVER WALKWAY	SG	Y	
0763	LIGHT OIL WASH AREA											
8660	MIU	SG	L	57.63	76	2	MAIN QUAD	QUAD 2	LO WASH SIGHT GLASS	BETWEEN WALKWAYS	LOM	Y	LO WASH
8661	MIU	V	L	57.63	76	2	MAIN QUAD	QUAD 2	LO WASH VALVE BLOCKING	BETWEEN WALKWAYS	LOM	Y	LO WASH
8662	MIU	V	L	57.63	76	2	MAIN QUAD	QUAD 2	LO WASH VALVE CLEANOUT	BETWEEN WALKWAYS	LOM	Y	LO WASH
8663	MIU	V	L	57.63	76	2	MAIN QUAD	QUAD 2	LO WASH VALVE BLOCKING	BETWEEN WALKWAYS	LOM	Y	LO WASH
8664	MIU	V	L	57.63	76	2	MAIN QUAD	QUAD 1	LO WASH VALVE BACKUP	BETWEEN WALKWAYS	LOM	Y	LO WASH
8665	MIU	V	L	57.63	76	2	MAIN QUAD	QUAD 1	LO WASH VALVE CLEANOUT	BETWEEN WALKWAYS	LOM	Y	LO WASH
8666	MIU	V	L	57.63	76	2	MAIN QUAD	QUAD 1	LO WASH VALVE BLOCKING	BETWEEN WALKWAYS	LOM	Y	LO WASH, ADDED 12-95
8667	MIU	SG	L	57.63	76	2	MAIN QUAD	QUAD 1	LO WASH SIGHT GLASS	BETWEEN WALKWAYS	LOM	Y	LO WASH
8668	MIU	V	L	57.63	76	2	MAIN QUAD	QUAD 1	LO WASH VALVE BLOCKING	BETWEEN WALKWAYS	LOM	Y	LO WASH
8669	MIU	RG	L	57.63	76	2	MAIN QUAD	QUAD 1	LO WASH REGULATOR	BETWEEN WALKWAYS	LOM	Y	LO WASH
8670	MIU	V	L	57.63	76	2	MAIN QUAD	QUAD 1	LO WASH VALVE BLOCKING	BETWEEN WALKWAYS	LOM	Y	LO WASH
8671	MIU	V	L	57.63	76	2	MAIN QUAD	QUAD 1	LO WASH VALVE CLEANOUT	BETWEEN WALKWAYS	LOM	Y	LO WASH, ADDED 12-95
8672	MIU	V	L	57.63	76	2	MAIN QUAD	QUAD 2	LO WASH VALVE CLEANOUT	BETWEEN WALKWAYS	LOM	Y	LO WASH

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0764	BALANCING GAS AREA											
8680	Q	V	GL	16.00	76	2	MAIN QUAD	QUAD 2	DERIMING GAS VALVE BLOCKING	BETWEEN WALKWAYS	SG	Y
8681	Q	V	GL	16.00	76	2	MAIN QUAD	QUAD 2	DERIMING GAS VALVE BLOCKING	BETWEEN WALKWAYS	SG	Y
8682	Q	V	GL	16.00	76	2	MAIN QUAD	QUAD 2	DERIMING GAS VALVE BALANCE	BETWEEN WALKWAYS	SG	Y
8683	Q	V	GL	16.00	76	2	MAIN QUAD	QUAD 1	DERIMING GAS VALVE BALANCE	BETWEEN WALKWAYS	SG	Y
8684	Q	V	GL	16.00	76	2	MAIN QUAD	QUAD 1	DERIMING GAS VALVE BLOCKING	BETWEEN WALKWAYS	SG	Y
8685	Q	V	GL	16.00	76	2	MAIN QUAD	QUAD 1	DERIMING GAS VALVE CLEANOUT	BETWEEN WALKWAYS	SG	Y
8686	Q	V	GL	16.00	76	2	MAIN QUAD	QUAD 1	DERIMING GAS VALVE BLOCKING	BETWEEN WALKWAYS	SG	Y
8687	Q	V	GL	16.00	76	2	MAIN QUAD	QUAD 1	DERIMING GAS VALVE BALANCE	BETWEEN WALKWAYS	SG	Y
8688	Q	V	GL	16.00	76	2	MAIN QUAD	QUAD 2	DERIMING GAS VALVE BALANCE	BETWEEN WALKWAYS	SG	Y
8689	Q	V	GL	16.00	76	2	MAIN QUAD	QUAD 2	DERIMING GAS VALVE CLEANOUT	BETWEEN WALKWAYS	SG	Y
8690	Q	V	GL	16.00	76	2	MAIN QUAD	QUAD 2	DERIMING GAS VALVE CLEANOUT	BETWEEN WALKWAYS	SG	Y

TABLE 77
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
LIGHT OIL WASH AND BALANCING GAS AREAS, MAIN QUADS NO. 3 AND 4

58 Quarterly Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #	Control Room						
0771	QUAD #3 AREA											
8700	MIU	V	G	16.00	77	2	MAIN QUAD	R-403A	BENZENE OVERFLOW VALVE BLOCKING	OVER WALKWAY	SG	Y
8701	MIU	V	G	16.00	77	2	MAIN QUAD	R-403A	BENZENE OVERFLOW VALVE CLEANOUT	OVER WALKWAY	SG	Y
8702	MIU	V	G	16.00	77	2	MAIN QUAD	R-403B	BENZENE OVERFLOW VALVE BLOCKING	OVER WALKWAY	SG	Y
8703	MIU	V	G	16.00	77	2	MAIN QUAD	R-403B	BENZENE OVERFLOW VALVE CLEANOUT	OVER WALKWAY	SG	Y
8704	MIU	V	G	16.00	77	2	MAIN QUAD	R-403C	BENZENE OVERFLOW VALVE BLOCKING	OVER WALKWAY	SG	Y
8705	MIU	V	G	16.00	77	2	MAIN QUAD	R-403C	BENZENE OVERFLOW VALVE CLEANOUT	OVER WALKWAY	SG	Y
8706	MIU	V	G	16.00	77	2	MAIN QUAD	R-403D	BENZENE OVERFLOW VALVE BLOCKING	OVER WALKWAY	SG	Y
8707	MIU	V	G	16.00	77	2	MAIN QUAD	R-403D	BENZENE OVERFLOW VALVE CLEANOUT	OVER WALKWAY	SG	Y
8715	Q	V	G	16.00	77	2	MAIN QUAD	R-403A	DERIMING GAS VALVE BLOCKING	OVER WALKWAY	SG	Y
8716	Q	V	G	16.00	77	2	MAIN QUAD	R-403A	DERIMING GAS VALVE CLEANOUT	OVER WALKWAY	SG	Y
8717	Q	V	G	16.00	77	2	MAIN QUAD	R-403A	DERIMING GAS VALVE CLEANOUT	OVER WALKWAY	SG	Y
8718	Q	V	G	16.00	77	2	MAIN QUAD	R-403A	DERIMING GAS VALVE CLEANOUT	OVER WALKWAY	SG	Y
8719	Q	V	G	16.00	77	2	MAIN QUAD	R-403B	DERIMING GAS VALVE BLOCKING	OVER WALKWAY	SG	Y
8720	Q	V	G	16.00	77	2	MAIN QUAD	R-403B	DERIMING GAS VALVE CLEANOUT	OVER WALKWAY	SG	Y
8721	Q	V	G	16.00	77	2	MAIN QUAD	R-403B	DERIMING GAS VALVE CLEANOUT	OVER WALKWAY	SG	Y
8722	Q	V	G	16.00	77	2	MAIN QUAD	R-403C	DERIMING GAS VALVE CLEANOUT	OVER WALKWAY	SG	Y
8723	Q	V	G	16.00	77	2	MAIN QUAD	R-403C	DERIMING GAS VALVE BLOCKING	OVER WALKWAY	SG	Y
8724	Q	V	G	16.00	77	2	MAIN QUAD	R-403D	DERIMING GAS VALVE CLEANOUT	OVER WALKWAY	SG	Y
8725	Q	V	G	16.00	77	2	MAIN QUAD	R-403D	DERIMING GAS VALVE BLOCKING	OVER WALKWAY	SG	Y
0772	QUAD #4 AREA											
8730	Q	V	G	16.00	77	2	MAIN QUAD	R-404A	DERIMMING GAS VALVE BLOCKING	OVER WALKWAY	SG	Y
8731	Q	V	G	16.00	77	2	MAIN QUAD	R-404A	DERIMMING GAS VALVE CLEANOUT	OVER WALKWAY	SG	Y
8732	Q	V	G	16.00	77	2	MAIN QUAD	R-404B	DERIMMING GAS VALVE BLOCKING	OVER WALKWAY	SG	Y
8733	Q	V	G	16.00	77	2	MAIN QUAD	R-404B	DERIMMING GAS VALVE CLEANOUT	OVER WALKWAY	SG	Y
8734	Q	V	G	16.00	77	2	MAIN QUAD	R-404C	DERIMMING GAS VALVE BLOCKING	OVER WALKWAY	SG	Y
8735	Q	V	G	16.00	77	2	MAIN QUAD	R-404C	DERIMMING GAS VALVE CLEANOUT	OVER WALKWAY	SG	Y
8736	Q	V	G	16.00	77	2	MAIN QUAD	R-404D	DERIMMING GAS VALVE BLOCKING	OVER WALKWAY	SG	Y
8737	Q	V	G	16.00	77	2	MAIN QUAD	R-404D	DERIMMING GAS VALVE CLEANOUT	OVER WALKWAY	SG	Y
8745	MIU	V	G	16.00	77	2	MAIN QUAD	R-404A	BENZENE OVER FLOW VALVE CHECKING	OVER WALKWAY	SG	Y
8746	MIU	V	G	16.00	77	2	MAIN QUAD	R-404A	BENZENE OVER FLOW VALVE BLOCKING	OVER WALKWAY	SG	Y
8747	MIU	V	G	16.00	77	2	MAIN QUAD	R-404B	BENZENE OVER FLOW VALVE CHECKING	OVER WALKWAY	SG	Y
8748	MIU	V	G	16.00	77	2	MAIN QUAD	R-404B	BENZENE OVER FLOW VALVE BLOCKING	OVER WALKWAY	SG	Y
8749	MIU	V	G	16.00	77	2	MAIN QUAD	R-404C	BENZENE OVER FLOW VALVE CHECKING	OVER WALKWAY	SG	Y
8750	MIU	V	G	16.00	77	2	MAIN QUAD	R-404C	BENZENE OVER FLOW VALVE BLOCKING	OVER WALKWAY	SG	Y
8751	MIU	V	G	16.00	77	2	MAIN QUAD	R-404D	BENZENE OVER FLOW VALVE CHECKING	OVER WALKWAY	SG	Y
8752	MIU	V	G	16.00	77	2	MAIN QUAD	R-404D	BENZENE OVER FLOW VALVE BLOCKING	OVER WALKWAY	SG	Y
8753	MIU	V	G	16.00	77	2	MAIN QUAD	R-404D	BENZENE OVER FLOW VALVE CHECKING	OVER WALKWAY	SG	Y
0763	LIGHT OIL WASH AREA											
8760	MIU	SG	L	57.63	77	2	MAIN QUAD	QUAD 3	LO WASH SIGHT GLASS	BETWEEN WALKWAYS	LOM	Y
8761	MIU	V	L	57.63	77	2	MAIN QUAD	QUAD 3	LO WASH VALVE MAIN CUTOFF QUAD 3	BETWEEN WALKWAYS	LOM	Y
8762	MIU	V	L	57.63	77	2	MAIN QUAD	QUAD 3	LO WASH VALVE	BETWEEN WALKWAYS	LOM	Y
8763	MIU	RG	L	57.63	77	2	MAIN QUAD	QUAD 3	LO WASH REGULATOR	BETWEEN WALKWAYS	LOM	Y
8764	MIU	V	L	57.63	77	2	MAIN QUAD	QUAD 3	LO WASH VALVE	BETWEEN WALKWAYS	LOM	Y
8765	MIU	V	L	57.63	77	2	MAIN QUAD	QUAD 4	LO WASH VALVE	BETWEEN WALKWAYS	LOM	Y
8766	MIU	V	L	57.63	77	2	MAIN QUAD	QUAD 4	LO WASH VALVE	BETWEEN WALKWAYS	LOM	Y
8767	MIU	RG	L	57.63	77	2	MAIN QUAD	QUAD 4	LO WASH REGULATOR	BETWEEN WALKWAYS	LOM	Y
8768	MIU	V	L	57.63	77	2	MAIN QUAD	QUAD 4	LO WASH VALVE	BETWEEN WALKWAYS	LOM	Y
8769	MIU	SG	L	57.63	77	2	MAIN QUAD	QUAD 4	LO WASH SIGHT GLASS	BETWEEN WALKWAYS	LOM	Y
8770	MIU	V	L	57.63	77	2	MAIN QUAD	QUAD 4/3	LO WASH VALVE MAIN CUTOFF QUAD 4	BETWEEN WALKWAYS	LOM	Y

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0774	BALANCING GAS AREA											
8780	Q	V	GL	16.00	77	2	MAIN QUAD	QUAD 3	DERIMING GAS VALVE MAIN CUTOFF QUAD 3	BETWEEN WALKWAYS	SG	Y
8781	Q	V	GL	16.00	77	2	MAIN QUAD	QUAD 3	DERIMING GAS VALVE	BETWEEN WALKWAYS	SG	Y
8782	Q	V	GL	16.00	77	2	MAIN QUAD	QUAD 3	DERIMING GAS VALVE	BETWEEN WALKWAYS	SG	Y
8783	Q	V	GL	16.00	77	2	MAIN QUAD	QUAD 3	DERIMING GAS VALVE	BETWEEN WALKWAYS	SG	Y
8784	Q	V	GL	16.00	77	2	MAIN QUAD	QUAD 3	DERIMING GAS VALVE	BETWEEN WALKWAYS	SG	Y
8785	Q	V	GL	16.00	77	2	MAIN QUAD	QUAD 4	DERIMING GAS VALVE	BETWEEN WALKWAYS	SG	Y
8786	Q	V	GL	16.00	77	2	MAIN QUAD	QUAD 4	DERIMING GAS VALVE MAIN CUTOFF QUAD 4	BETWEEN WALKWAYS	SG	Y
8787	Q	V	GL	16.00	77	2	MAIN QUAD	QUAD 4	DERIMING GAS VALVE	BETWEEN WALKWAYS	SG	Y
8788	Q	V	GL	16.00	77	2	MAIN QUAD	QUAD 4	DERIMING GAS VALVE	BETWEEN WALKWAYS	SG	Y
8789	Q	V	GL	16.00	77	2	MAIN QUAD	QUAD 4	DERIMING GAS VALVE	BETWEEN WALKWAYS	SG	Y
8790	Q	V	GL	16.00	77	2	MAIN QUAD	QUAD 4	DERIMING GAS VALVE CLEANOUT	BETWEEN WALKWAYS	SG	Y

TABLE 78
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
LIGHT OIL WASH AND BALANCING GAS AREAS, MAIN QUADS NO. 5 AND 6

57 Quarterly Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #	Control Room						
0781	QUAD #5 AREA											
8800	MIU	V	G	16.00	78	2	MAIN QUAD	R-405D	BENZENE OVER FLOW VALVE BLOCKING	OVER WALKWAY	SG	Y
8801	MIU	V	G	16.00	78	2	MAIN QUAD	R-405D	BENZENE OVER FLOW VALVE CLEANOUT	OVER WALKWAY	SG	Y
8802	MIU	V	G	16.00	78	2	MAIN QUAD	R-405C	BENZENE OVER FLOW VALVE BLOCKING	OVER WALKWAY	SG	Y
8803	MIU	V	G	16.00	78	2	MAIN QUAD	R-405C	BENZENE OVER FLOW VALVE CLEANOUT	OVER WALKWAY	SG	Y
8804	MIU	V	G	16.00	78	2	MAIN QUAD	R-405B	BENZENE OVER FLOW VALVE BLOCKING	OVER WALKWAY	SG	Y
8805	MIU	V	G	16.00	78	2	MAIN QUAD	R-405B	BENZENE OVER FLOW VALVE CLEANOUT	OVER WALKWAY	SG	Y
8806	MIU	V	G	16.00	78	2	MAIN QUAD	R-405A	BENZENE OVER FLOW VALVE BLOCKING	OVER WALKWAY	SG	Y
8807	MIU	V	G	16.00	78	2	MAIN QUAD	R-405A	BENZENE OVER FLOW VALVE CLEANOUT	OVER WALKWAY	SG	Y
8815	Q	V	G	16.00	78	2	MAIN QUAD	R-405D	DERIMING GAS VALVE CLEANOUT	OVER WALKWAY	SG	Y
8816	Q	V	G	16.00	78	2	MAIN QUAD	R-405D	DERIMING GAS VALVE BLOCKING	OVER WALKWAY	SG	Y
8817	Q	V	G	16.00	78	2	MAIN QUAD	R-405D	DERIMING GAS VALVE CLEANOUT	OVER WALKWAY	SG	Y
8818	Q	V	G	16.00	78	2	MAIN QUAD	R-405C	DERIMING GAS VALVE CLEANOUT	OVER WALKWAY	SG	Y
8819	Q	V	G	16.00	78	2	MAIN QUAD	R-405C	DERIMING GAS VALVE BLOCKING	OVER WALKWAY	SG	Y
8820	Q	V	G	16.00	78	2	MAIN QUAD	R-405B	DERIMING GAS VALVE CLEANOUT	OVER WALKWAY	SG	Y
8821	Q	V	G	16.00	78	2	MAIN QUAD	R-405B	DERIMING GAS VALVE BLOCKING	OVER WALKWAY	SG	Y
8822	Q	V	G	16.00	78	2	MAIN QUAD	R-405A	DERIMING GAS VALVE CLEANOUT	OVER WALKWAY	SG	Y
8823	Q	V	G	16.00	78	2	MAIN QUAD	R-405A	DERIMING GAS VALVE BLOCKING	OVER WALKWAY	SG	Y
0782	QUAD #6 AREA											
8830	MIU	V	G	16.00	78	2	MAIN QUAD	R-406D	BENZENE OVER FLOW VALVE BLOCKING	OVER WALKWAY	SG	Y
8831	MIU	V	G	16.00	78	2	MAIN QUAD	R-406D	BENZENE OVER FLOW VALVE CLEANOUT	OVER WALKWAY	SG	Y
8832	MIU	V	G	16.00	78	2	MAIN QUAD	R-406C	BENZENE OVER FLOW VALVE BLOCKING	OVER WALKWAY	SG	Y
8833	MIU	V	G	16.00	78	2	MAIN QUAD	QUAD 6	BENZENE OVER FLOW VALVE CLEANOUT	OVER WALKWAY	SG	Y
8834	MIU	V	G	16.00	78	2	MAIN QUAD	R-406B	BENZENE OVER FLOW VALVE BLOCKING	OVER WALKWAY	SG	Y
8835	MIU	V	G	16.00	78	2	MAIN QUAD	R-406B	BENZENE OVER FLOW VALVE CLEANOUT	OVER WALKWAY	SG	Y
8836	MIU	V	G	16.00	78	2	MAIN QUAD	R-406A	BENZENE OVER FLOW VALVE BLOCKING	OVER WALKWAY	SG	Y
8837	MIU	V	G	16.00	78	2	MAIN QUAD	R-406A	BENZENE OVER FLOW VALVE CLEANOUT	OVER WALKWAY	SG	Y
8845	Q	V	G	16.00	78	2	MAIN QUAD	R-406D	DERIMING GAS FLOW CLEANOUT	OVER WALKWAY	SG	Y
8846	Q	V	G	16.00	78	2	MAIN QUAD	R-406D	DERIMING GAS FLOW BLOCKING	OVER WALKWAY	SG	Y
8847	Q	V	G	16.00	78	2	MAIN QUAD	R-406D	DERIMING GAS FLOW CLEANOUT	OVER WALKWAY	SG	Y
8848	Q	V	G	16.00	78	2	MAIN QUAD	R-406C	DERIMING GAS FLOW CLEANOUT	OVER WALKWAY	SG	Y
8849	Q	V	G	16.00	78	2	MAIN QUAD	R-406C	DERIMING GAS FLOW BLOCKING	OVER WALKWAY	SG	Y
8850	Q	V	G	16.00	78	2	MAIN QUAD	R-406B	DERIMING GAS FLOW CLEANOUT	OVER WALKWAY	SG	Y
8851	Q	V	G	16.00	78	2	MAIN QUAD	R-406B	DERIMING GAS FLOW BLOCKING	OVER WALKWAY	SG	Y
8852	Q	V	G	16.00	78	2	MAIN QUAD	R-406A	DERIMING GAS FLOW CLEANOUT	OVER WALKWAY	SG	Y
8853	Q	V	G	16.00	78	2	MAIN QUAD	R-406A	DERIMING GAS FLOW BLOCKING	OVER WALKWAY	SG	Y
0783	LIGHT OIL WASH AREA											
8860	MIU	SG	L	57.63	78	2	MAIN QUAD	QUAD 5	LO WASH SIGHT GLASS	BETWEEN WALKWAYS	LOM	Y
8861	MIU	V	L	57.63	78	2	MAIN QUAD	QUAD 5	LO WASH VALVE MAIN CUT OFF QUAD 5	BETWEEN WALKWAYS	LOM	Y
8862	MIU	V	L	57.63	78	2	MAIN QUAD	QUAD 5	LO WASH VALVE	BETWEEN WALKWAYS	LOM	Y
8863	MIU	V	L	57.63	78	2	MAIN QUAD	QUAD 5	LO WASH REGULATOR	BETWEEN WALKWAYS	LOM	Y
8864	MIU	V	L	57.63	78	2	MAIN QUAD	QUAD 5	LO WASH VALVE	BETWEEN WALKWAYS	LOM	Y
8865	MIU	V	L	57.63	78	2	MAIN QUAD	QUAD 6	LO WASH VALVE BACKUP	BETWEEN WALKWAYS	LOM	Y
8866	MIU	V	L	57.63	78	2	MAIN QUAD	R-406C	LO WASH VALVE	BETWEEN WALKWAYS	LOM	Y
8867	MIU	V	L	57.63	78	2	MAIN QUAD	QUAD 6	LO WASH VALVE	BETWEEN WALKWAYS	LOM	Y
8868	MIU	V	L	57.63	78	2	MAIN QUAD	QUAD 6	LO WASH VALVE	BETWEEN WALKWAYS	LOM	Y
8869	MIU	RG	L	57.63	78	2	MAIN QUAD	QUAD 6	LO WASH REGULATOR	BETWEEN WALKWAYS	LOM	Y
8870	MIU	V	L	57.63	78	2	MAIN QUAD	QUAD 6	LO WASH VALVE	BETWEEN WALKWAYS	LOM	Y
8871	MIU	SG	L	57.63	78	2	MAIN QUAD	QUAD 6	LO WASH SIGHT GLASS	BETWEEN WALKWAYS	LOM	Y
8872	MIU	V	L	57.63	78	2	MAIN QUAD	QUAD 6	LO WASH VALVE MAIN CUTOFF QUAD 6	BETWEEN WALKWAYS	LOM	Y

ADDED 12-95

ADDED 12-95

ADDED 12-95

LO WASH

LO WASH

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0784	BALANCING GAS AREA											
8880	Q	V	GL	16.00	78	2	MAIN QUAD	QUAD 5	DERIMING GAS VALVE MAIN CUTOFF QUAD 5	BETWEEN WALKWAYS	SG	Y
8881	Q	V	GL	16.00	78	2	MAIN QUAD	QUAD 5	DERIMING GAS VALVE	BETWEEN WALKWAYS	SG	Y
8882	Q	V	GL	16.00	78	2	MAIN QUAD	QUAD 5	DERIMING GAS VALVE	BETWEEN WALKWAYS	SG	Y
8883	Q	V	GL	16.00	78	2	MAIN QUAD	QUAD 5	DERIMING GAS VALVE	BETWEEN WALKWAYS	SG	Y
8884	Q	V	GL	16.00	78	2	MAIN QUAD	QUAD 5	DERIMING GAS VALVE	BETWEEN WALKWAYS	SG	Y
8885	Q	V	GL	16.00	78	2	MAIN QUAD	QUAD 6	DERIMING GAS VALVE	BETWEEN WALKWAYS	SG	Y
8886	Q	V	GL	16.00	78	2	MAIN QUAD	QUAD 6	DERIMING GAS VALVE MAIN CUTOFF QUAD 6	BETWEEN WALKWAYS	SG	Y
8887	Q	V	GL	16.00	78	2	MAIN QUAD	QUAD 6	DERIMING GAS VALVE	BETWEEN WALKWAYS	SG	Y
8888	Q	V	GL	16.00	78	2	MAIN QUAD	QUAD 6	DERIMING GAS VALVE	BETWEEN WALKWAYS	SG	Y
8889	Q	V	GL	16.00	78	2	MAIN QUAD	QUAD 6	DERIMING GAS VALVE	BETWEEN WALKWAYS	SG	Y

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TABLE 79
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
LIGHT OIL WASH AND BALANCING GAS AREAS, MAIN QUAD NO. 7

19 Quarterly Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #	Control Room						
0791		QUAD #7 AREA										
8900	MIU	V	G	16.00	79	2	MAIN QUAD	R-407A	BENZENE OVER FLOW VALVE	OVER WALKWAY	SG	Y
8901	MIU	V	G	16.00	79	2	MAIN QUAD	R-407A	BENZENE OVER FLOW VALVE	OVER WALKWAY	SG	Y	ADDED 12-95
8902	MIU	V	G	16.00	79	2	MAIN QUAD	R-407B	BENZENE OVER FLOW VALVE	OVER WALKWAY	SG	Y
8903	MIU	V	G	16.00	79	2	MAIN QUAD	R-407B	BENZENE OVER FLOW VALVE	OVER WALKWAY	SG	Y	ADDED 12-95
8904	MIU	V	G	16.00	79	2	MAIN QUAD	R-407C	BENZENE OVER FLOW VALVE	OVER WALKWAY	SG	Y
8905	MIU	V	G	16.00	79	2	MAIN QUAD	R-407C	BENZENE OVER FLOW VALVE	OVER WALKWAY	SG	Y	ADDED 12-95
8906	MIU	V	G	16.00	79	2	MAIN QUAD	R-407D	BENZENE OVER FLOW VALVE	OVER WALKWAY	SG	Y
8907	MIU	V	G	16.00	79	2	MAIN QUAD	R-407D	BENZENE OVER FLOW VALVE	OVER WALKWAY	SG	Y	ADDED 12-95
8910	MIU	V	G	16.00	79	2	MAIN QUAD	R-407C	BENZENE OVER FLOW VALVE	OVER WALKWAY	SG	Y
0792		BALANCING GAS AREA										
8924	Q	V	GL	16.00	79	2	MAIN QUAD	QUAD 7	DERIMING GAS VALVE	BETWEEN WALKWAYS	SG	Y
8925	Q	V	GL	16.00	79	2	MAIN QUAD	QUAD 7	DERIMING GAS VALVE	BETWEEN WALKWAYS	SG	Y
8926	Q	V	GL	16.00	79	2	MAIN QUAD	QUAD 7	DERIMING GAS VALVE	BETWEEN WALKWAYS	SG	Y
8927	Q	V	GL	16.00	79	2	MAIN QUAD	QUAD 7	DERIMING GAS VALVE BLOCKING	BETWEEN WALKWAYS	SG	Y
8928	Q	V	GL	16.00	79	2	MAIN QUAD	QUAD 7	DERIMING GAS VALVE	BETWEEN WALKWAYS	SG	Y	ADDED 12-95
8929	Q	V	GL	16.00	79	2	MAIN QUAD	QUAD 7	DERIMING GAS VALVE	BETWEEN WALKWAYS	SG	Y	ADDED 12-95
0793		LIGHT OIL WASH AREA										
8920	MIU	V	L	57.63	79	2	MAIN QUAD	QUAD 7	LO WASH VALVE BLOCKING	BETWEEN WALKWAYS	LOM	Y	LO WASH, ADDED 12-95
8921	MIU	V	L	57.63	79	2	MAIN QUAD	QUAD 7	LO WASH VALVE BLOCKING	BETWEEN WALKWAYS	LOM	Y	LO WASH, ADDED 7-96
8922	MIU	V	L	57.63	79	2	MAIN QUAD	QUAD 7	LO WASH CLEANOUT VALVE	BETWEEN WALKWAYS	LOM	Y	LO WASH
8923	MIU	V	L	57.63	79	2	MAIN QUAD	QUAD 7	LO WASH VALVE BLOCKING	BETWEEN WALKWAYS	LOM	Y	LO WASH

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TABLE 80
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
SUB GAS BYPASS TO CARBONATE

25 Quarterly Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #	Control Room						
6550	Q	V	G	16.00	80	2	LO REGEN	R-590	BLOCKING VALVE	AREA	SG	Y
6551	Q	V	G	16.00	80	2	LO REGEN	R-590	VALVE	AREA	SG	Y
6552	Q	V	G	16.00	80	2	LO REGEN	R-590	VALVE	AREA	SG	Y
6553	Q	SW	G	16.00	80	2	LO REGEN	R-590	35 PSIG SWITCH	AREA	SG	Y
6554	Q	V	G	16.00	80	2	LO REGEN	R-590	PRESSURE TAP	AREA	SG	Y
6555	Q	G	G	16.00	80	2	LO REGEN	R-590	PRESSURE GAUGE	AREA	SG	Y
6556	Q	V	G	16.00	80	2	LO REGEN	R-590	BLOCKING VALVE	AREA	SG	Y
6557	Q	R	G	16.00	80	2	LO REGEN	R-590	REGULATOR	AREA	SG	Y
6558	Q	V	G	16.00	80	2	LO REGEN	R-590	VALVE	AREA	SG	Y
6559	Q	V	G	16.00	80	2	LO REGEN	R-590	VALVE	AREA	SG	Y
6560	Q	V	G	16.00	80	2	LO REGEN	R-590	VALVE	AREA	SG	Y
6561	Q	V	G	16.00	80	2	LO REGEN	R-590	BLOCKING VALVE	AREA	SG	Y
6562	Q	R	G	16.00	80	2	LO REGEN	R-590	REGULATOR	AREA	SG	Y
6563	Q	V	G	16.00	80	2	LO REGEN	R-590	PRESSURE TAP	AREA	SG	Y
6564	Q	V	G	16.00	80	2	LO REGEN	R-590	PRESSURE TAP	AREA	SG	Y
6565	Q	PD	G	16.00	80	2	LO REGEN	R-590	PRESSURE TRANSDUCER	AREA	SG	Y
6566	Q	V	G	16.00	80	2	LO REGEN	R-590	PRESSURE TAP	AREA	SG	Y
6567	Q	G	G	16.00	80	2	LO REGEN	R-590	PRESSURE GAUGE	AREA	SG	Y
6568	Q	AL	G	16.00	80	2	LO REGEN	R-590	30 PSIG ALARM	AREA	SG	Y
6569	Q	V	G	16.00	80	2	LO REGEN	R-590	CLEANOUT VALVE	AREA	SG	Y
6570	Q	V	G	16.00	80	2	LO REGEN	R-590	CLEANOUT VALVE	AREA	SG	Y
6571	Q	V	G	16.00	80	2	LO REGEN	R-590	CONTROL VALVE	AREA	SG	Y
6572	Q	V	G	16.00	80	2	LO REGEN	R-590	CLEANOUT VALVE	AREA	SG	Y
6573	Q	V	G	16.00	80	2	LO REGEN	R-590	CLEANOUT VALVE	AREA	SG	Y
6574	Q	V	G	16.00	80	2	LO REGEN	R-590	BLOCKING VALVE	AREA	SG	Y

NEW 6/93
NEW 6/93
NEW 6/93
NEW 6/93
ADDED 12-95
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TABLE 81
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
LIGHT OIL DECANT VENTING SYSTEM

38 Quarterly Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #	Control Room					
1900	Q	V	G	57.63	81	2	LO DECANT	D-604/605	BLOCKING VALVE	SECOND LEVEL	LO Y
1901	Q	V	G	57.63	81	2	LO DECANT	D-604/605	VALVE	SECOND LEVEL	LO Y
1902	Q	V	G	57.63	81	2	LO DECANT	D-604/605	CLEANOUT VALVE	SECOND LEVEL	LO Y
1910	Q	V	G	57.63	81	2	DECANTERS	D-604/605	BLOCKING VALVE	THIRD LEVEL	LO Y
1911	Q	V	G	57.63	81	2	DECANTERS	D-604/605	VALVE	THIRD LEVEL	LO Y
1912	Q	V	G	57.63	81	2	DECANTERS	D-604/605	VALVE	THIRD LEVEL	LO Y
1913	Q	V	G	57.63	81	2	DECANTERS	D-604/605	VALVE	THIRD LEVEL	LO Y
1914	Q	V	G	57.63	81	2	DECANTERS	D-604/605	CONTROL VALVE	THIRD LEVEL	LO Y
1915	Q	V	G	57.63	81	2	DECANTERS	D-604/605	CLEANOUT VALVE	THIRD LEVEL	LO Y
1920	Q	V	G	57.63	81	2	DECANTERS	D-604/605	CONTROL VALVE	THIRD LEVEL	LO Y
1921	Q	V	G	57.63	81	2	DECANTERS	D-604/605	VALVE	THIRD LEVEL	LO Y
1922	Q	V	G	57.63	81	2	DECANTERS	D-604/605	VALVE	THIRD LEVEL	LO Y
1924	Q	V	G	57.63	81	2	DECANTERS	D-604/605	CLEANOUT VALVE	THIRD LEVEL	LO Y
1925	Q	V	G	57.63	81	2	DECANTERS	D-604/605	CLEANOUT VALVE	THIRD LEVEL	LO Y
1930	Q	V	G	57.63	81	2	DECANTERS	D-604/605	BLOCKING VALVE	THIRD LEVEL	LO Y
1931	Q	V	G	57.63	81	2	DECANTERS	D-604/605	CLEANOUT VALVE	THIRD LEVEL	LO Y
1932	Q	V	G	57.63	81	2	DECANTERS	D-604/605	VALVE	THIRD LEVEL	LO Y
1933	Q	V	G	57.63	81	2	DECANTERS	D-604/605	VALVE	THIRD LEVEL	LO Y
1934	Q	V	G	57.63	81	2	DECANTERS	D-604/605	CLEANOUT VALVE	THIRD LEVEL	LO Y
1934	Q	V	G	57.63	81	2	DECANTERS	D-604/605	CLEANOUT VALVE	THIRD LEVEL	LO Y
1935	Q	V	G	57.63	81	2	DECANTERS	D-604/605	VALVE	THIRD LEVEL	LO Y
1940	Q	PD	G	57.63	81	2	DECANTERS	D-604/605	PRESSURE TRANSDUCER 6040	THIRD LEVEL	LO Y
1941	Q	G	G	57.63	81	2	DECANTERS	D-604/605	PRESSURE GAUGE	THIRD LEVEL	LO Y
1942	Q	V	G	57.63	81	2	DECANTERS	D-604/605	PRESSURE TAP	THIRD LEVEL	LO Y
1943	Q	V	G	57.63	81	2	DECANTERS	D-604/605	PRESSURE TAP	THIRD LEVEL	LO Y
1944	Q	V	G	57.63	81	2	DECANTERS	D-604/605	PRESSURE TAP CLEANOUT	THIRD LEVEL	LO Y
1945	Q	PD	G	57.63	81	2	DECANTERS	D-604/605	PRESSURE TRANSDUCER 6019	THIRD LEVEL	LO Y
1946	Q	G	G	57.63	81	2	DECANTERS	D-604/605	PRESSURE GAUGE	THIRD LEVEL	LO Y
1947	Q	V	G	57.63	81	2	DECANTERS	D-604/605	PRESSURE TAP CLEANOUT	THIRD LEVEL	LO Y
1948	Q	V	G	57.63	81	2	DECANTERS	D-604/605	PRESSURE TAP	THIRD LEVEL	LO Y
1949	Q	V	G	57.63	81	2	DECANTERS	D-604/605	PRESSURE TAP	THIRD LEVEL	LO Y
1950	Q	SW	G	57.63	81	2	DECANTERS	D-604/605	PRESSURE SWITCH 6028A	THIRD LEVEL	LO Y
1951	Q	V	G	57.63	81	2	DECANTERS	D-604/605	PRESSURE TAP	THIRD LEVEL	LO Y
1960	Q	V	G	57.63	81	2	DECANTERS	D-604/605	PRESSURE TAP	THIRD LEVEL	LO Y
1961	Q	V	G	57.63	81	2	DECANTERS	D-604/605	PRESSURE TAP CLEANOUT	THIRD LEVEL	LO Y
1962	Q	V	G	57.63	81	2	DECANTERS	D-604/605	PRESSURE TAP	THIRD LEVEL	LO Y
1963	Q	G	G	57.63	81	2	DECANTERS	D-604/605	PRESSURE GAUGE	THIRD LEVEL	LO Y
1964	Q	PD	G	57.63	81	2	DECANTERS	D-604/605	PRESSURE TRANSDUCER 6006	THIRD LEVEL	LO Y

ADDED 12-95

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TABLE 82

REGISTRATION OF COMPONENTS IN BENZENE SERVICE

FLARE SYSTEM

13 Quarterly Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #							
9100	Q	L	G		82	FLARE		FLARE	FLARE	V	Y	
9101	Q	V	G		82	FLARE		STEAM CONTROL	FLARE	V	Y	
9102	Q	V	G		82	FLARE		PRESSURE	FLARE	V	Y	
9103	Q	G	G		82	FLARE		PRESSURE	FLARE	V	Y	
9104	Q	V	G		82	FLARE		CONNECTING LINE BLOCK	FLARE	V	Y	
9105	Q	V	G		82	FLARE		CONTROL FLOW	FLARE	V	Y	
9106	Q	V	G		82	FLARE		BLOCKING	FLARE	V	Y	
9107	Q	V	G		82	FLARE		CONNTECTIN LINE BLOCKING	FLARE	V	Y	
9108	Q	V	G		82	FLARE		CONNTECTIN LINE BLOCKING	FLARE	V	Y	
9109	Q	V	G		82	FLARE		PRESSURE TAP	FARM	V	Y	
9110	Q	G	G		82	FLARE		PRESSURE	FARM	V	Y	
9111	Q	V	G		82	FLARE		CONNECTING LINE BLOCKING	FARM	V	Y	
9112	Q	V	G		82	FLARE		CONNECTING LINE BLOCKING	FARM	V	Y	

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TABLE 83

REGISTRATION OF COMPONENTS IN BENZENE SERVICE

NORTH WASTEWATER STORAGE TANK

11 Quarterly Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #						
9120	Q	F	G		83	STORAGE TANK	FLANGE	TOP	V	Y	
9121	Q	PR	G		83	STORAGE TANK	PRESSURE REDUCING	TOP	V	Y	
9122	Q	F	G		83	STORAGE TANK	FLANGE	TOP	V	Y	
9123	Q	F	G		83	STORAGE TANK	FLANGE	TOP	V	Y	
9124	Q	F	G		83	STORAGE TANK	FLANGE	TOP	V	Y	
9125	Q	PR	G		83	STORAGE TANK	PRESSURE REDUCING	TOP	V	Y	
9126	Q	F	G		83	STORAGE TANK	FLANGE	TOP	V	Y	
9127	Q	MH	G		83	STORAGE TANK	MANWAY	TOP	V	Y	
9128	Q	V	G		83	STORAGE TANK	PRESSURE TAP	TOP	V	Y	
9129	Q	MH	L		83	STORAGE TANK	MANWAY	SIDE	WW	Y	
9130	Q	V	L		83	STORAGE TANK	FLOW BLOCKING	SIDE	WW	Y	

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TABLE 84
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
MIDDLE WATEWATER STORAGE TANK

UNIT NOT IN SERVICE, NO COMPONENTS REGISTERED

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TABLE 85
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
SOUTH WATEWATER STORAGE TANK

14 Quarterly Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #							
9160	Q	PR	V		85	STORAGE TANK	NORTH	PRESSURE REDUCING	TOP	V	Y	
9161	Q	F	V		85	STORAGE TANK	NORTH	FLANGE	TOP	V	Y	
9162	Q	F	V		85	STORAGE TANK	NORTH	FLANGE	TOP	V	Y	
9163	Q	F	V		85	STORAGE TANK	NORTH	FLANGE	TOP	V	Y	
9164	Q	F	V		85	STORAGE TANK	NORTH	FLANGE	TOP	V	Y	
9165	Q	F	V		85	STORAGE TANK	NORTH	FLANGE	TOP	V	Y	
9166	Q	PR	V		85	STORAGE TANK	NORTH	PRESSURE REDUCING	TOP	V	Y	
9167	Q	F	V		85	STORAGE TANK	NORTH	FLANGE	TOP	V	Y	
9168	Q	F	V		85	STORAGE TANK	NORTH	FLANGE	TOP	V	Y	
9169	Q	MH	V		85	STORAGE TANK	NORTH	MANWAY	TOP	V	Y	
9170	Q	V	V		85	STORAGE TANK	NORTH	PRESSURE TAP	TOP	V	Y	
9171	Q	V	V		85	STORAGE TANK	NORTH	FLOW BLOCKING	TOP	V	Y	
9172	Q	MH	L		85	STORAGE TANK	NORTH	MANWAY	SIDE	WW	Y	
9173	Q	MH	L		85	STORAGE TANK	NORTH	MANWAY	SIDE	WW	Y	

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TABLE 86
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
INCOMING LIGHT OIL, ACROSS ROADWAY

NO REGISTERED COMPONENTS

TABLE 87

REGISTRATION OF COMPONENTS IN BENZENE SERVICE

INCOMING LIGHT OIL, OVER STILL HOUSE

9 Quarterly Components, 2 Annual Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #							
5580	A	V	L		87	GENERAL		CONNECTING LINE BLOCKING	OH	LO	DTM	
5581	A	V	L		87	GENERAL		BLOCKING	OH	LO	DTM	
5582	Q	V	L		87				OH	LO	Y	
5590	Q	V	L		87	GENERAL			OH	LO	Y	
5591	Q	V	L		87			CONNECTING LINE BLOCKING	OH	LO	Y	
5592	Q	V	L		87	GENERAL			OH	LO	Y	
5593	Q	G	L		87			PRESSURE	OH	LO	Y	
5594	Q	V	L		87	GENERAL		CONNECTING LINE BLOCKING	OH	LO	Y	
5595	Q	V	L		87	GENERAL		PRESSURE TAP BLOCKING	OH	LO	Y	
5596	Q	V	L		87	GENERAL		ORIFICE	OH	LO	Y	
5597	Q	V	L		87	GENERAL		BLANK BLOCKING	OH	LO	Y	

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TABLE 88
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
TANK CONNECTIONS, TANKS #61, 62, 63

29 Quarterly Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #						
5528	Q	V	L		88	STORAGE TANK	61	LO DISCHARGE	LO	Y	
5523	Q	V	L		88	STORAGE TANK	61	LO DISCHARGE	LO	Y	
5524	Q	V	L		88	STORAGE TANK	61	WATER DISCHARGE	WW	Y	
5529	Q	V	L		88	STORAGE TANK	61	WATER DISCHARGE	WW	Y	
5531	Q	V	L		88	STORAGE TANK	61	WATER DISCHARGE	WW	Y	
5532	Q	V	L		88	STORAGE TANK	61	WATER DISCHARGE	WW	Y	
5536	Q	V	L		88	STORAGE TANK	61	KEYSTONE IN	LO	Y	
5540	Q	V	L		88	STORAGE TANK	61	WATER DISCHARGE	WW	Y	
5544	Q	V	L		88	STORAGE TANK	61	KOPPERS IN	LO	Y	
5556	Q	V	L		88	STORAGE TANK	61	SEAL WATER IN	SW	Y	
5550	Q	V	L		88	STORAGE TANK	61	SEAL WATER OUT		Y	
5497	Q	V	L		88	STORAGE TANK	62	LO DISCHARGE	LO	Y	
5500	Q	V	L		88	STORAGE TANK	62	WATER DISCHARGE	WW	Y	
5505	Q	V	L		88	STORAGE TANK	62	WATER DISCHARGE	WW	Y	
5501	Q	V	L		88	STORAGE TANK	62	WATER DISCHARGE	WW	Y	
5513	Q	V	L		88	STORAGE TANK	62	USX IN	LO	Y	
5459	Q	V	L		88	STORAGE TANK	63	LIGHT OIL DISCHARGE	LO	Y	
5462	Q	V	L		88	STORAGE TANK	63	WATER DISCHARGE	WW	Y	
5463	Q	V	L		88	STORAGE TANK	63	WATER DISCHARGE	WW	Y	
5466	Q	V	L		88	STORAGE TANK	63	KEYSTONE IN	LO	Y	
5474	Q	V	L		88	STORAGE TANK	63	KOPPERS IN	LO	Y	
5520	Q	V	L		88	GENERAL		B;AMLB;PCLOMG	LO	Y	
5522	Q	V	L		88	GENERAL		CONNTECTING LINE BLOCKING	LO	Y	
5549	Q	V	L		88	GENERAL		BLOCKING	LO	Y	
5554	Q	V	L		88	GENERAL		TO SUMP PIT BLOCKING	LO	Y	
5583	Q	V	L		88	GENERAL		BLOCKING	LO	Y	
5584	Q	V	L		88	GENERAL		BLOCKING	WW	Y	
5585	Q	F	L		88	GENERAL		BLANK FLANGE	LO	Y	
5592	Q	V	L		88	GENERAL		BLOCKING	LO	Y	

TABLE 89
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
TANK CONNECTIONS, TANKS #64, 65

15 Quarterly Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #					
5426	Q	V	L		89	STORAGE TANK	64	LO DISCHARGE	LO	Y
5433	Q	V	L		89	STORAGE TANK	64	KEYSTONE IN	LO	Y
5436	Q	V	L		89	STORAGE TANK	64	WATER DISCHARGE	WW	Y
5437	Q	V	L		89	STORAGE TANK	64	WATER DISCHARGE	WW	Y
5441	Q	V	L		89	STORAGE TANK	64	KOPPERS IN	LO	Y
5444	Q	MW	L		89	STORAGE TANK	64	MANWAY	LO	Y
5896	Q	V	L		89	STORAGE TANK	65	DISCHARGE BLOCKING	LO	Y
5417	Q	V	L		89	STORAGE TANK	65	DISCHARGE BLOCKING	LO	Y
5516	Q	V	L		89	STORAGE TANK	65	DISCHARGE BLOCKING	WW	Y
5586	Q	V	L		89	STORAGE TANK	65	BLOCKING	WW	Y
5421	Q	V	L		89	STORAGE TANK	65	CONNECTING LINE BLOCKING	LO	Y
5422	Q	V	L		89	STORAGE TANK	65	CONNECTING LINE CHECK	LO	Y
5414	Q	V	L		89	STORAGE TANK	65	CONNECTING LINE BLOCKING	LO	Y
5415	Q	V	L		89	STORAGE TANK	65	BLANK	LO	Y
5413	Q	F	L		89	STORAGE TANK	65			

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TABLE 90
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
TANK #59 DETAILS

7 Quarterly Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #							
9030	Q	MH	L		90	STORAGE TANK	59	MANWAY	SIDE	LO	Y	
9031	Q	G	L		90	STORAGE TANK	59	TEMPERATURE	SIDE	LO	Y	
9032	Q	MH	L		90	STORAGE TANK	59	MANWAY	SIDE	LO	Y	
9033	Q	V	L		90	STORAGE TANK	59	DISCHARGE BLOCKING	SIDE	LO	Y	
9034	Q	V	L		90	STORAGE TANK	59	DISCHARGE BLOCKING	SIDE	WW	Y	
9035	Q	V	L		90	STORAGE TANK	59	LIGHT OIL LINE TO TANK #60	SIDE	WW	Y	
9036	Q	V	L		90	STORAGE TANK	59	CONTAMINATED WATER DISCHARGE DRAIN	SIDE	WW	Y	

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TABLE 91

REGISTRATION OF COMPONENTS IN BENZENE SERVICE

TANK #60 DETAILS

7 Quarterly Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #							
9050	Q	MH	L		91	STORAGE TANK	60	MANWAY	SIDE	LO	Y	
9051	Q	G	L		91	STORAGE TANK	60	TEMPERATURE	SIDE	LO	Y	
9052	Q	MH	L		91	STORAGE TANK	60	MANWAY	SIDE	LO	Y	
9053	Q	V	L		91	STORAGE TANK	60	DISCHARGE BLOCKING	SIDE	WW	Y	
9054	Q	V	L		91	STORAGE TANK	60	DISCHARGE BLOCKING	SIDE	LO	Y	
9055	Q	V	L		91	STORAGE TANK	60	LIGHT OIL LINE TO TANK #59	SIDE	WW	Y	
9056	Q	V	L		91	STORAGE TANK	60	CONTAMINATED WATER DISCHARGE DRAIN	SIDE	WW	Y	

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TABLE 92
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
TANK #61 DETAILS
22 Quarterly Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #							
5521	Q	V	L		92	STORAGE TANK	61	CLEANOUT		LO	Y	
5522	Q	V	L		92	STORAGE TANK	61	CONNECTING LINE BLOCKING		LO	Y	
5523	Q	V	L		92	STORAGE TANK	61	CONNECTING LINE BLOCKING		LO	Y	
5524	Q	V	L		92	STORAGE TANK	61	CLEANOUT		LO	Y	
5528	Q	V	L		92	STORAGE TANK	61	BLOCKING		LO	Y	
5529	Q	V	L		92	STORAGE TANK	61	WATER DISCHARGE		WW	Y	
5531	Q	V	L		92	STORAGE TANK	61	WATER DSICHARGE		WW	Y	
5532	Q	V	L		92	STORAGE TANK	61	WATER DISCHARGE		WW	Y	
5533	Q	V	L		92	STORAGE TANK	61	WATER DISCHARGE		WW	Y	
5536	Q	V	L		92	STORAGE TANK	61	KEYSTONE IN	SIDE	LO	Y	
5538	Q	V	L		92	STORAGE TANK	61	CLEANOUT	SIDE	WW	Y	
5540	Q	V	L		92	STORAGE TANK	61	WATER DISCHARGE	SIDE	WW	Y	
5541	Q		L		92	STORAGE TANK	61				Y	
5543	Q	V	L		92	STORAGE TANK	61	KOPPERS IN	SIDE	LO	Y	
5546	Q	G	L		92	STORAGE TANK	61	TEMPERATURE	SIDE	LO	Y	
5547	Q	MW	L		92	STORAGE TANK	61	MANWAY	SIDE	LO	Y	
5548	Q	V	L		92	STORAGE TANK	61	PRESSURE TAP	SIDE	LO	Y	
5549	Q	G	L		92	STORAGE TANK	61	PRESSURE	SIDE		Y	
5550	Q	MH	L		92	STORAGE TANK	61	MANWAY	SIDE	LO	Y	
5553	Q	MW	L		92	STORAGE TANK	61	MANWAY	SIDE	LO	Y	
5556	Q	V	L		92	STORAGE TANK	61	BLOCKING	SIDE	SW	Y	
5558	Q	MW	L		92	STORAGE TANK	61	MANWAY	SIDE	LO	Y	

TABLE 93
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
TANK #62 DETAILS
13 Quarterly Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #							
5493	Q	V	L		93	STORAGE TANK	62	PRESSURE TAP	SIDE	LO	Y	
5494	Q	G	L		93	STORAGE TANK	62	PRESSURE	SIDE	LO	Y	
5497	Q	V	L		93	STORAGE TANK	62	BLOCKING		LO	Y	
5498	Q	V	L		93	STORAGE TANK	62	CONNECTING LINE BLOCKING		LO	Y	
5499	Q	G	L		93	STORAGE TANK	62	GAUGE		LO	Y	
5500	Q	V	L		93	STORAGE TANK	62	WATER DISCHARGE		WW	Y	
5501	Q	V	L		93	STORAGE TANK	62	WATER DISCHARGE		WW	Y	
5506	Q	V	L		93	STORAGE TANK	62	KEYSTONE IN		LO	Y	
5510	Q	G	L		93	STORAGE TANK	62	GAUGE		LO	Y	
5513	Q	V	L		93	STORAGE TANK	62	KOPPERS IN		LO	Y	
5516	Q	MW	L		93	STORAGE TANK	62	MANWAY	SIDE	LO	Y	
5517	Q	MW	L		93	STORAGE TANK	62	MANWAY	SIDE	LO	Y	
5518	Q	MW	L		93	STORAGE TANK	62	MANWAY	SIDE	LO	Y	

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TABLE 94
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
TANK #63 DETAILS
15 Quarterly Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #							
5449	Q	V	L		94	STORAGE TANK	63	CLEANOUT		LO	Y	
5453	Q	V	L		94	STORAGE TANK	63	CLEANOUT		LO	Y	
5459	Q	V	L		94	STORAGE TANK	63	LO DISCHARGE		LO	Y	
5461	Q	G	L		94	STORAGE TANK	63	GAUGE	SIDE	LO	Y	
5462	Q	V	L		94	STORAGE TANK	63	WATER DISCHARGE		WW	Y	
5463	Q	V	L		94	STORAGE TANK	63	WATER DISCHARGE		WW	Y	
5467	Q	V	L		94	STORAGE TANK	63	KEYSTONE IN		LO	Y	
5473	Q	V	L		94	STORAGE TANK	63	KOPPERS IN		LO	Y	
5476	Q	G	L		94	STORAGE TANK	63	PRESSRE	SIDE	LO	Y	
5477	Q	MH	L		94	STORAGE TANK	63	MANWAY	SIDE	LO	Y	
5478	Q	MH	L		94	STORAGE TANK	63	MANWAY	SIDE	LO	Y	
5479	Q	MH	L		94	STORAGE TANK	63	MANWAY	SIDE	LO	Y	
5480	Q	V	L		94	STORAGE TANK	63	PRESSURE TAP	SIDE	LO	Y	
5481	Q	C	L		94	STORAGE TANK	63	CONNECTOR	SIDE	LO	Y	
5482	Q	G	L		94	STORAGE TANK	63	GAUGE	SIDE	LO	Y	

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TABLE 95
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
TANK #64 DETAILS
13 Quarterly Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #							
5421	Q	V	L		95	STORAGE TANK	64	CLEANOUT		LO	Y	
5426	Q	V	L		95	STORAGE TANK	64	LO DISCHARGE		LO	Y	
5428	Q	G	L		95	STORAGE TANK	64	GAUGE		LO	Y	
5429	Q	C	L		95	STORAGE TANK	64	PLUG		LO	Y	
5433	Q	V	L		95	STORAGE TANK	64	KEYSTONE IN		LO	Y	
5436	Q	V	L		95	STORAGE TANK	64	WATER DISCHARGE		WW	Y	
5437	Q	V	L		95	STORAGE TANK	64	CLEANOUT		WW	Y	
5441	Q	V	L		95	STORAGE TANK	64	KOPPERS IN		LO	Y	
5443	Q	MW	L		95	STORAGE TANK	64	MANWAY		LO	Y	
5444	Q	MW	L		95	STORAGE TANK	64	MANWAY		LO	Y	
5445	Q	MW	L		95	STORAGE TANK	64	MANWAY		LO	Y	
5446	Q	C	L		95	STORAGE TANK	64	PLUG		LO	Y	
5447	Q	G	L		95	STORAGE TANK	64	GAUGE		LO	Y	

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TABLE 96
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
TANK #65 DETAILS

4 Quarterly Components

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #							
5416	Q	V	L		96	STORAGE TANK	65	WATER DISCHARGE		WW	Y	
5417	Q	V	L		96	STORAGE TANK	65	LO DISCHARGE		LO	Y	
5486	Q	V	L		96	STORAGE TANK	65	BLOCKING		LO	Y	
5896	Q	V	L		96	STORAGE TANK	65	WATER DISCHARGE		WW	Y	

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