

CONTAMINATED INDUSTRIAL HYGIENE

PUMP CALIBRATION

PLAINTIFF'S EXHIBIT

CT-472

PRE-CALIBRATION

SURVEY DATE: 11/1

POST-CALIBRATION

LOCATION: Hillsboro
DATE: 11/20 TIME: 9:00a
STOPWATCH: ☐ 60 SEC ☒ 100
INITIALS: [Signature]

LOCATION: Hillsboro
DATE: 11/20 TIME: 9:00p
STOPWATCH: ☐ 60 SEC ☒ 100
INITIALS: [Signature]

JL ID	PUMP ID NO	DISP (CC) FLOW	TIME TO DISPLACE BUBBLE		FLOW RATE		SMPL RATE	COL MED	PUMP ID NO	DISP (CC) FLOW	TIME TO DISPLACE BUBBLE		FLOW RATE		SMPL RATE
			PRE	POST	PRE	POST					PRE	POST	PRE	POST	
	D-8590	500	.25	.27	2.0	1.85	1.93	✓	M-0236						
	D-8591	500	.32	Blank					M-0237						
	D-8592	500	.27	.27	1.85	1.79	1.82	✓	M-1851						
	D-8593								M-1866						
	D-4973	500	.22						M-2330						
	D-4974	500	.27	.27	1.85	1.85	1.85	✓	M-3712						
	D-4976								M-5554						
	D-4978	500	.30	.32	1.67	1.52	1.60	✓	M-5791						
	D-4979	500	.28	.28	1.79	1.75	1.77	✓	L-2674						
	D-5554	500	.24	.26	2.0	1.92	2.0	✓	L-3093						
	D-5807								B-2322						
	D-5826	800							B-251						
	D-5851	500	.24	Blank					B-325						
	D-6595	500	.28	.30	1.75	1.67	1.71	✓	B-169						
	P-4153	N/A							24X5	500	.27				
	P-6105	500	.25	.25					500						
	P-6121								341	500	.26	.27	1.72		✓
	P-6133								500						
	P-6519														
	P-7036								P658 Blank						
	P-331								P687 Cont						
	P-332														
	P-335														
	P-336														

CTD016625

ATAINTEED INDUSTRIAL HYGIENE

PUMP CALIBRATION

PRE-CALIBRATION

SURVEY DATE: 7/1

POST-CALIBRATION

LOCATION: Hills
 DATE: 11/26 TIME: 5:00p
 STOPWATCH: ☐ 60 SEC ☒ 100
 INITIALS: [Signature]

LOCATION: Hills
 DATE: 11/27 TIME: 5:00p
 STOPWATCH: ☐ 60 SEC ☒ 100
 INITIALS: [Signature]

JL ID	PUMP ID NO	DISP (CC) FLOW	TIME TO DISPLACE BUBBLE		FLOW RATE		SMPL RATE	COL MED	PUMP ID NO	DISP (CC) FLOW	TIME TO DISPLACE BUBBLE		FLOW RATE		SMPL RATE
			PRE	POST	PRE	POST					PRE	POST	PRE	POST	
	D-8890	500	.27	.275	1.82	1.82	1.84	✓	M-0236						
	D-8891	500	.32	.37	1.56	1.35	1.46	✓	M-0237						
	D-8892	500	.278	.278	1.79	1.79	1.79	✓	M-1851						
	D-8893								M-1856						
	D-4973	500	.25	Didn't use					M-2330						
	D-4974	500	.27	.28	1.85	1.79	1.82	✓	M-3712						
	D-4976								M-5554						
	D-4978	500	.228	.33	1.52	1.52	1.52	✓	M-5791						
	D-4979	500	.285	.285	1.74	1.74	1.75	✓	L-2874						
	D-5554	500	.26	Didn't use					L-3093						
	D-5807								B-2322						
	D-5828								B-251						
	D-5851	500	.246	Didn't use					B-325						
	D-5895	500	.30	.315	1.67	1.59	1.63	✓	B-169						
	P-4155								2485	500	.272	Didn't use			
	P-6105	500	.25	Didn't use					341	500	Didn't use				
	P-6121								2469						
	P-6133														
	P-6519														
	P-7036														
	P-331														
	P-332														
	P-335														
	P-336														

CTD016626

MAINTAINED INDUSTRIAL HYGIENE

PUMP CALIBRATION

PRE-CALIBRATION

SURVEY DATE: 4/2

POST-CALIBRATION

LOCATION: Hill

LOCATION: _____

DATE: 11/27 TIME: 4:00 p

DATE: _____ TIME: _____

STOPWATCH: ☐ 60 SEC ☒ 100

STOPWATCH: ☐ 60 SEC ☐ 100

INITIALS: [Signature]

INITIALS: _____

PUMP ID NO	DISP (CC) FLOW	TIME TO DISPLACE BUBBLE		FLOW RATE		SMPL RATE	COL MED	PUMP ID NO	DISP (CC) FLOW	TIME TO DISPLACE BUBBLE		FLOW RATE		SMPL RATE
		PRE	POST	PRE	POST					PRE	POST	PRE	POST	
D-8590	500	.275						M-0236						
D-8591	500	.26						M-0237						
D-8592	500	.278						M-1851						
D-8593								M-1866						
D-4973	500	.25	.25	2.0	2.0	2.0		M-2330						
D-4974	500	.28						M-3712						
D-4975								M-5554						
D-4976	500	.30						M-5791						
D-4978	500	.285						L-2874						
D-5554	500	.26	.27	1.92	1.85	1.89		L-3093						
D-5907								B-2322						
D-5926								B-251						
D-5951	500	.245	.252	2.04	2.0	2.02		B-325						
D-6593	500	.315						B-169						
P-4155								2485	500	.272	.278	1.85	1.75	1.82
P-6105	500	.25	.259	2.0	1.92	1.96		341	500	.26	.275	1.92	1.75	1.84
P-6121														
P-6133								Q 1015	1000					
P-6519														
P-7036														
P-331														
P-332														
P-335														
P-336														

CTD016627

STANDARD INDUSTRIAL HYGIENE

PUMP CALIBRATION

PRE-CALIBRATION

SURVEY DATE: 11

POST-CALIBRATION

LOCATION: _____

LOCATION: _____

DATE: _____ TIME: _____

DATE: _____ TIME: _____

STOPWATCH: ☐ 60 SEC ☐ 100

STOPWATCH: ☐ 60 SEC ☐ 100

INITIALS: _____

INITIALS: _____

DL ED	PUMP ID NO	DISP (CC) FLOW	TIME TO DISPLACE BUBBLE		FLOW RATE		SMPL RATE	COL MED	PUMP ID NO	DISP (CC) FLOW	TIME TO DISPLACE BUBBLE		FLOW RATE		SMPL RATE
			PRE	POST	PRE	POST					PRE	POST	PRE	POST	
	D-8580		.275	.278	1.92	1.85	1.84	✓	M-0236						
	D-8581		.266	.278	1.92	1.79	1.86	✓	M-0237						
	D-8582		.278	.272	1.79	1.65	1.82	✓	M-1651						
	D-8583								M-1866						
	D-4973		.25	.258	2.0	1.92	1.95	✓	M-2330						
	D-4974		.284						M-3712						
	D-4976								M-5554						
	D-4978		.30	.265	1.67	1.89	1.78	✓	M-5791						
	D-4979		.286	.288	1.75	1.72	1.74	✓	L-2874						
	D-5554		.27	.242	1.85	1.72	1.79	✓	L-3093						
	D-5807								B-2322						
	D-5828								B-251						
	D-5851		.242	.25	2.0	2.0	2.0	✓	B-325						
	D-5593		.315	.32	1.59	1.56	1.58	✓	B-169						
	P-4185														
	P-6108		.254	.252	1.92	2.0	1.96	✓	087894		.26		1.39		
	P-6121								088216		.24	.238	2.08	2.05	2.05
	P-6133								2485		.238	.27	1.79	1.65	1.82
	P-6519								34		.285	.275	1.75	1.62	1.79
	P-7036														
	P-331														
	P-332														
	P-333														
	P-336														

P. 687
Calis

CTD016628

STANDARD INDUSTRIAL HYGIENE

PUMP CALIBRATION

PRE-CALIBRATION

SURVEY DATE: R1

POST-CALIBRATION

LOCATION: _____

LOCATION: _____

DATE: _____ TIME: _____

DATE: _____ TIME: _____

STOPWATCH: ☐ 60 SEC ☐ 100

STOPWATCH: ☐ 60 SEC ☐ 100

INITIALS: _____

INITIALS: _____

JL ID	PUMP ID NO	DISP (CC) FLOW	TIME TO DISPLACE BUBBLE		FLOW RATE		SMPL RATE	COL MED	PUMP ID NO	DISP (CC) FLOW	TIME TO DISPLACE BUBBLE		FLOW RATE		SMPL RATE
			PRE	POST	PRE	POST					PRE	POST	PRE	POST	
	D-8890		.27		1.85			✓	M-0236						
	D-8891		.278		1.79				M-0237						
	D-8892		.272	.28	1.89	1.79	1.82	✓	M-1851						
	D-8893								M-1856						
	D-4973		.268		1.42				M-2330						
	D-4974		.28		1.79				M-3712						
	D-4976								M-5554						
	D-4978		.265	.278	1.83	1.79	1.84	✓	M-5791						
	D-4979		.288	.29	1.72	1.72	1.72	✓	L-2874						
	D-5554		.252		2.0			✓	L-3093						
	D-5807								B-2322						
	D-5828								B-251						
	D-5851		.25		2.0				B-328						
	D-6596		.32	.322	1.56	1.56	1.56	✓	B-169						
	P-4153														
	P-6105		.252		2.0				897844		.26		1.39		
	P-6121								58216		.238		2.05		
	P-6133								2485		.27		1.55		
	P-6819								341		.275		1.82		
	P-7036														
	P-331														
	P-332														
	P-335														
	P-336														

CTD016629