

WP BNA Summary - All Studies																			
Lab Group	Study Type	Study Open Date Minimum	Study Open Date Maximum	Class Name	Number of Analytes	Number of individual Labs	Average Number PT per Year	Total Number Data Points	Total Number Not Acceptable	Failure Rate	Average Absolute z score	Average Recovery	Average Recovery Standard Deviation	Z _{CALC} Failure Rate	Significance of difference H0:p1=p2 Failure Rate	H0: p1=p2 (< 5% Significant) Failure Rate	F _{CALC} Average Recovery Variance	Critical F at p=0.05 for Average Recovery Variance / probability H0:V1=V2	F Test Average Recovery Variance (F _{CALC} < Critical F)
1PT	WP	6/6/2005	12/10/2007	BNA	59	15	1.05	1765	53	3.00%	0.9342	73.5%	22.6%	6.226	0.000	Significantly Different	1.285	1.068	Significantly Different
2PT	WP	6/6/2005	4/14/2008	BNA	59	13	1.92	4034	34	0.84%	0.7159	75.0%	19.9%					0.0000	prob H0: V1=V2
Studies by Accreditation Period (12 months)																			
1PT	WP	6/18/2007	12/10/2007	BNA	57	14	NA	698	12	1.72%	0.8792	76.4%	20.9%	3.178	0.001	Significantly Different	1.323	1.111	Significantly Different
2PT	WP	6/18/2007	4/14/2008	BNA	59	13	NA	1490	6	0.40%	0.6581	77.5%	18.2%					0.0000	prob H0: V1=V2
1PT	WP	6/12/2006	5/14/2007	BNA	55	14	NA	705	33	4.68%	0.9520	71.4%	23.5%	5.037	0.000	Significantly Different	1.256	1.110	Significantly Different
2PT	WP	6/12/2006	4/16/2007	BNA	59	13	NA	1539	19	1.23%	0.8031	74.0%	21.0%					0.0002	prob H0: V1=V2
1PT	WP	6/6/2005	12/5/2005	BNA	55	10	NA	362	8	2.21%	1.0057	72.2%	23.4%	1.935	0.026	Significantly Different	1.309	1.150	Significantly Different
2PT	WP	6/6/2005	3/13/2006	BNA	58	12	NA	1005	9	0.90%	0.6681	73.1%	20.4%					0.0007	prob H0: V1=V2

WP Analyte Summary						
Lab Group	Number of Analytes	Failure Rate Number of analytes Significantly Different High	Failure Rate Percentage of Analytes Significantly Different High	Number of Analytes	Average Recovery Variance Number of analytes Significantly Different High	Average Recovery Variance Percentage Significantly Different High
1PT	59	10	16.9%	59	25	42.4%
2PT	59	0	0.0%	59	0	0.0%
Same	59	49	83.1%	59	34	57.6%

Lab Group	Study Type	Study Open Date Minimum	Study Open Date Maximum	Analyte Name	NELAC Analyte Number	Number of individual Labs	Average Number PT per Year	Total Number Data Points	Total Number Not Acceptable	Failure Rate	Average Absolute z score	Average Recovery	Average Recovery Standard Deviation	Z _{CALC} Failure Rate	Significance of difference H0:p1=p2 Failure Rate	H0: p1=p2 (< 5% Significant) Failure Rate	F _{CALC} Average Recovery Variance	Critical F at p=0.05 for Average Recovery Variance / probability H0:V1=V2	F Test Average Recovery Variance (F _{CALC} < Critical F)
1PT	WP	6/6/2005	12/10/2007	4-Chloro-3-methylphenol	5700	14	1.14	40	1	2.50%	1.0208	80.2%	19.3%	1.481	0.069	Same	2.433	1.539	Significantly Different
2PT	WP	6/6/2005	4/14/2008	4-Chloro-3-methylphenol	5700	13	2.34	87	0	0.00%	0.7258	78.5%	12.4%					0.0003	prob H0: V1=V2
1PT	WP	6/6/2005	12/10/2007	2-Chlorophenol	5800	14	1.11	39	0	0.00%	0.9766	73.4%	18.9%	#DIV/0!	#DIV/0!	#DIV/0!	2.211	1.546	Significantly Different
2PT	WP	6/6/2005	4/14/2008	2-Chlorophenol	5800	13	2.32	86	0	0.00%	0.6716	72.1%	12.7%					0.0013	prob H0: V1=V2
1PT	WP	6/6/2005	12/10/2007	2,4-Dichlorophenol	6000	14	1.14	40	0	0.00%	0.8388	74.4%	16.3%	#DIV/0!	#DIV/0!	#DIV/0!	1.737	1.539	Significantly Different
2PT	WP	6/6/2005	4/14/2008	2,4-Dichlorophenol	6000	13	2.34	87	0	0.00%	0.6230	77.0%	12.4%					0.0175	prob H0: V1=V2
1PT	WP	7/5/2005	6/18/2007	2,6-Dichlorophenol	6005	8	0.83	13	7	53.85%	3.0257	38.0%	32.7%	4.517	0.000	Significantly Different	2.286	1.930	Significantly Different
2PT	WP	7/5/2005	4/14/2008	2,6-Dichlorophenol	6005	9	2.28	57	3	5.26%	1.1197	70.9%	21.6%					0.0190	prob H0: V1=V2
1PT	WP	6/6/2005	12/10/2007	2,4-Dimethylphenol	6130	14	1.11	39	0	0.00%	0.7489	78.8%	18.7%	#DIV/0!	#DIV/0!	#DIV/0!	1.764	1.544	Significantly Different
2PT	WP	6/6/2005	4/14/2008	2,4-Dimethylphenol	6130	13	2.34	87	0	0.00%	0.6133	74.9%	14.0%					0.0157	prob H0: V1=V2
1PT	WP	6/6/2005	12/10/2007	2,4-Dinitrophenol	6175	14	1.11	39	2	5.13%	0.8816	62.3%	24.3%	2.129	0.017	Significantly Different	1.228	1.544	Same
2PT	WP	6/6/2005	4/14/2008	2,4-Dinitrophenol	6175	13	2.34	87	0	0.00%	0.7095	64.6%	21.9%					0.2156	prob H0: V1=V2
1PT	WP	6/6/2005	12/10/2007	4,6-Dinitro-2-methylphenol	6360	14	1.14	40	2	5.00%	1.1446	78.3%	25.7%	0.456	0.324	Same	1.760	1.534	Significantly Different
2PT	WP	6/6/2005	4/14/2008	4,6-Dinitro-2-methylphenol	6360	13	2.42	90	3	3.33%	0.7908	83.9%	19.4%					0.0149	prob H0: V1=V2
1PT	WP	7/5/2005	6/18/2007	2-Methylphenol	6400	11	1.21	26	1	3.85%	1.0869	74.2%	24.9%	1.827	0.034	Significantly Different	3.774	1.636	Significantly Different
2PT	WP	6/6/2005	4/14/2008	2-Methylphenol	6400	13	2.32	86	0	0.00%	0.5879	69.0%	12.8%					0.0000	prob H0: V1=V2
1PT	WP	7/5/2005	6/18/2007	4-Methylphenol	6410	11	1.21	26	1	3.85%	1.1677	70.9%	29.4%	1.827	0.034	Significantly Different	4.008	1.636	Significantly Different
2PT	WP	6/6/2005	4/14/2008	4-Methylphenol	6410	13	2.32	86	0	0.00%	0.5474	65.9%	14.7%					0.0000	prob H0: V1=V2
1PT	WP	6/6/2005	12/10/2007	2-Nitrophenol	6490	14	1.11	39	0	0.00%	0.7199	72.4%	14.8%	#DIV/0!	#DIV/0!	#DIV/0!	0.986	1.544	Same
2PT	WP	6/6/2005	4/14/2008	2-Nitrophenol	6490	13	2.34	87	0	0.00%	0.6829	76.4%	15.0%					0.5065	prob H0: V1=V2
1PT	WP	6/6/2005	12/10/2007	4-Nitrophenol	6500	14	1.11	39	1	2.56%	0.7983	53.9%	24.7%	1.500	0.067	Same	1.600	1.544	Same
2PT	WP	6/6/2005	4/14/2008	4-Nitrophenol	6500	13	2.34	87	0	0.00%	0.7569	43.7%	19.6%					0.0375	prob H0: V1=V2
1PT	WP	6/6/2005	12/10/2007	Pentachlorophenol	6605	15	1.06	40	1	2.50%	0.8808	80.3%	21.7%	1.506	0.066	Same	2.554	1.534	Significantly Different
2PT	WP	6/6/2005	4/14/2008	Pentachlorophenol	6605	13	2.42	90	0	0.00%	0.6251	86.1%	13.5%					0.0001	prob H0: V1=V2
1PT	WP	6/6/2005	12/10/2007	Phenol	6625	14	1.11	39	0	0.00%	0.7558	50.9%	22.8%	#DIV/0!	#DIV/0!	#DIV/0!	1.507	1.544	Same
2PT	WP	6/6/2005	4/14/2008	Phenol	6625	13	2.34	87	0	0.00%	0.8521	40.4%	18.6%					0.0600	prob H0: V1=V2
1PT	WP	6/6/2005	12/10/2007	2,4,5-Trichlorophenol	6835	12	1.13	34	0	0.00%	0.8263	77.9%	15.5%	#DIV/0!	#DIV/0!	#DIV/0!	1.504	1.573	Same
2PT	WP	6/6/2005	4/14/2008	2,4,5-Trichlorophenol	6835	13	2.32	86	0	0.00%	0.6558	80.4%	12.6%					0.0690	prob H0: V1=V2
1PT	WP	6/6/2005	12/10/2007	2,4,6-Trichlorophenol	6840	14	1.14	40	1	2.50%	0.7538	77.6%	17.3%	1.481	0.069	Same	2.017	1.539	Significantly Different
2PT	WP	6/6/2005	4/14/2008	2,4,6-Trichlorophenol	6840	13	2.34	87	0	0.00%	0.6534	79.6%	12.1%					0.0036	prob H0: V1=V2

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1PT	WP	6/6/2005	12/10/2007	1,2-Dichlorobenzene	4610	14	0.97	34	0	0.00%	0.7484	65.6%	17.4%	#DIV/0!	#DIV/0!	#DIV/0!	1.271	1.647	Same
2PT	WP	6/6/2005	4/14/2008	1,2-Dichlorobenzene	4610	13	1.51	56	0	0.00%	0.7684	57.5%	15.4%					0.2125	prob H0: V1=V2
1PT	WP	6/6/2005	6/18/2007	1,3-Dichlorobenzene	4615	14	0.74	21	1	4.76%	0.8932	63.4%	21.0%	1.459	0.072	Same	1.685	1.820	Same
2PT	WP	6/6/2005	4/14/2008	1,3-Dichlorobenzene	4615	13	1.18	44	0	0.00%	1.0500	50.1%	16.2%					0.0755	prob H0: V1=V2
1PT	WP	6/6/2005	12/10/2007	1,4-Dichlorobenzene	4620	14	0.65	23	1	4.35%	0.9109	57.1%	19.9%	1.665	0.048	Significantly Different	1.504	1.716	Same
2PT	WP	6/6/2005	4/14/2008	1,4-Dichlorobenzene	4620	13	1.70	63	0	0.00%	0.8807	52.5%	16.2%					0.1064	prob H0: V1=V2
1PT	WP	6/6/2005	12/10/2007	Hexachlorobutadiene	4835	14	1.11	39	0	0.00%	0.9386	61.7%	20.3%	#DIV/0!	#DIV/0!	#DIV/0!	1.981	1.564	Significantly Different
2PT	WP	6/6/2005	4/14/2008	Hexachlorobutadiene	4835	13	2.05	76	0	0.00%	0.6704	58.4%	14.4%					0.0059	prob H0: V1=V2
1PT	WP	7/5/2005	12/10/2007	Hexachloroethane	4840	14	0.73	25	1	4.00%	1.0988	58.7%	23.9%	1.493	0.068	Same	2.250	1.721	Significantly Different
2PT	WP	7/5/2005	2/11/2008	Hexachloroethane	4840	13	1.62	55	0	0.00%	0.9568	50.6%	15.9%					0.0069	prob H0: V1=V2
1PT	WP	6/6/2005	12/10/2007	Naphthalene	5005	14	0.74	26	0	0.00%	0.9262	73.8%	17.1%	0.573	0.283	Same	1.445	1.646	Same
2PT	WP	6/6/2005	4/14/2008	Naphthalene	5005	13	2.15	80	1	1.25%	0.7897	68.2%	14.2%					0.1114	prob H0: V1=V2
1PT	WP	12/5/2005	12/10/2007	Nitrobenzene	5015	13	1.34	35	1	2.86%	1.0744	71.3%	20.5%	1.471	0.071	Same	2.780	1.587	Significantly Different
2PT	WP	8/8/2005	4/14/2008	Nitrobenzene	5015	13	2.15	75	0	0.00%	0.7141	73.4%	12.3%					0.0001	prob H0: V1=V2
1PT	WP	6/6/2005	12/10/2007	1,2,4-Trichlorobenzene	5155	14	1.05	37	0	0.00%	0.8883	68.3%	18.2%	0.758	0.224	Same	1.694	1.601	Same
2PT	WP	6/6/2005	4/14/2008	1,2,4-Trichlorobenzene	5155	13	1.75	65	1	1.54%	0.7200	65.5%	14.0%					0.0328	prob H0: V1=V2
1PT	WP	6/6/2005	12/10/2007	Acenaphthene	5500	14	1.11	39	0	0.00%	0.8842	77.4%	14.6%	#DIV/0!	#DIV/0!	#DIV/0!	1.419	1.564	Same
2PT	WP	6/6/2005	4/14/2008	Acenaphthene	5500	13	2.05	76	0	0.00%	0.7621	80.0%	12.3%					0.0986	prob H0: V1=V2
1PT	WP	6/6/2005	12/10/2007	Acenaphthylene	5505	14	1.05	37	0	0.00%	1.0346	77.5%	19.3%	0.964	0.168	Same	1.200	1.564	Same
2PT	WP	6/6/2005	4/14/2008	Acenaphthylene	5505	13	2.18	81	2	2.47%	0.8947	75.1%	17.6%					0.2478	prob H0: V1=V2
1PT	WP	12/5/2005	12/10/2007	Anthracene	5555	13	1.30	34	0	0.00%	0.8111	82.0%	14.3%	#DIV/0!	#DIV/0!	#DIV/0!	1.424	1.585	Same
2PT	WP	8/8/2005	4/14/2008	Anthracene	5555	13	2.26	79	0	0.00%	0.7627	83.7%	12.0%					0.1032	prob H0: V1=V2
1PT	WP	6/6/2005	12/10/2007	Benzo(a)anthracene	5575	13	0.64	21	0	0.00%	0.7956	82.9%	13.2%	#DIV/0!	#DIV/0!	#DIV/0!	2.021	1.751	Significantly Different
2PT	WP	6/6/2005	4/14/2008	Benzo(a)anthracene	5575	13	1.62	60	0	0.00%	0.5366	85.6%	9.3%					0.0193	prob H0: V1=V2
1PT	WP	6/6/2005	12/10/2007	Benzo(a)pyrene	5580	14	1.11	39	1	2.56%	0.8887	79.7%	20.1%	0.812	0.208	Same	0.947	1.549	Same
2PT	WP	6/6/2005	4/14/2008	Benzo(a)pyrene	5580	13	2.26	84	5	5.95%	0.8330	80.6%	20.6%					0.5637	prob H0: V1=V2
1PT	WP	6/12/2006	6/18/2007	Benzo(b)fluoranthene	5585	13	2.27	30	1	3.33%	0.9510	79.2%	19.6%	0.027	0.489	Same	1.564	1.653	Same
2PT	WP	8/8/2005	4/14/2008	Benzo(b)fluoranthene	5585	13	1.78	62	2	3.23%	0.6023	87.1%	15.7%					0.0715	prob H0: V1=V2
1PT	WP	6/6/2005	12/10/2007	Benzo(g,h,i)perylene	5590	14	1.11	39	1	2.56%	0.8017	82.6%	20.3%	0.078	0.469	Same	0.805	1.575	Same
2PT	WP	6/6/2005	4/14/2008	Benzo(g,h,i)perylene	5590	13	1.91	71	2	2.82%	0.8212	88.6%	22.6%					0.7642	prob H0: V1=V2

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1PT	WP	6/6/2005	6/18/2007	Benzo(k)fluoranthene	5600	14	1.16	33	0	0.00%	0.6746	88.5%	20.2%	#DIV/0!	#DIV/0!	#DIV/0!	2.267	1.650	Significantly Different
2PT	WP	6/6/2005	4/14/2008	Benzo(k)fluoranthene	5600	13	1.53	57	0	0.00%	0.4958	88.8%	13.4%					0.0036	prob H0: V1=V2
1PT	WP	6/6/2005	12/10/2007	4-Bromophenyl-phenylether	5660	13	0.64	21	0	0.00%	0.7596	80.2%	17.0%	#DIV/0!	#DIV/0!	#DIV/0!	1.340	1.768	Same
2PT	WP	6/6/2005	1/14/2008	4-Bromophenyl-phenylether	5660	13	1.62	55	0	0.00%	0.6557	88.3%	14.6%					0.1951	prob H0: V1=V2
1PT	WP	6/12/2006	6/18/2007	Butylbenzylphthalate	5670	13	2.12	28	0	0.00%	0.6753	80.1%	17.2%	#DIV/0!	#DIV/0!	#DIV/0!	1.375	1.697	Same
2PT	WP	8/8/2005	4/14/2008	Butylbenzylphthalate	5670	13	1.55	54	0	0.00%	0.5725	85.0%	14.7%					0.1592	prob H0: V1=V2
1PT	WP	6/6/2005	6/18/2007	bis(2-Chloroethoxy)methane	5760	14	1.26	36	1	2.78%	1.0455	74.5%	17.7%	1.319	0.094	Same	1.488	1.615	Same
2PT	WP	6/6/2005	4/14/2008	bis(2-Chloroethoxy)methane	5760	13	1.67	62	0	0.00%	0.8445	76.1%	14.5%					0.0861	prob H0: V1=V2
1PT	WP	6/6/2005	12/10/2007	bis(2-Chloroethyl)ether	5765	5	0.56	7	0	0.00%	0.5849	75.6%	10.5%	#DIV/0!	#DIV/0!	#DIV/0!	0.464	2.399	Same
2PT	WP	6/6/2005	4/14/2008	bis(2-Chloroethyl)ether	5765	12	0.96	33	0	0.00%	0.9472	68.7%	15.4%					0.8296	prob H0: V1=V2
1PT	WP	6/6/2005	12/10/2007	bis(2-Chloroisopropyl)ether	5780	14	1.02	36	1	2.78%	0.9654	72.4%	19.9%	1.308	0.095	Same	1.799	1.618	Significantly Different
2PT	WP	6/6/2005	4/14/2008	bis(2-Chloroisopropyl)ether	5780	13	1.64	61	0	0.00%	0.8024	72.6%	14.9%					0.0225	prob H0: V1=V2
1PT	WP	6/6/2005	12/10/2007	2-Chloronaphthalene	5795	14	0.74	26	2	7.69%	1.1219	78.0%	23.6%	0.490	0.312	Same	1.764	1.693	Same
2PT	WP	6/6/2005	2/11/2008	2-Chloronaphthalene	5795	13	1.72	60	3	5.00%	0.7856	78.6%	17.8%					0.0382	prob H0: V1=V2
1PT	WP	7/5/2005	12/10/2007	4-Chlorophenyl-phenylether	5825	14	0.73	25	0	0.00%	1.1161	79.5%	19.1%	0.909	0.182	Same	1.580	1.697	Same
2PT	WP	7/5/2005	4/14/2008	4-Chlorophenyl-phenylether	5825	13	1.72	62	2	3.23%	0.7732	83.4%	15.2%					0.0774	prob H0: V1=V2
1PT	WP	6/6/2005	12/10/2007	Chrysene	5855	14	0.82	29	4	13.79%	1.3125	84.6%	29.2%	1.635	0.051	Same	3.622	1.644	Significantly Different
2PT	WP	6/6/2005	4/14/2008	Chrysene	5855	13	1.83	68	3	4.41%	0.7591	89.9%	15.3%					0.0000	prob H0: V1=V2
1PT	WP	6/6/2005	12/10/2007	Dibenz(a,h)anthracene	5895	14	1.05	37	3	8.11%	0.9580	77.6%	25.1%	1.715	0.043	Significantly Different	1.652	1.590	Same
2PT	WP	6/6/2005	4/14/2008	Dibenz(a,h)anthracene	5895	13	1.86	69	1	1.45%	0.7675	86.9%	19.5%					0.0375	prob H0: V1=V2
1PT	WP	12/5/2005	12/11/2006	Dibenzofuran	5905	9	1.42	13	0	0.00%	1.0843	80.5%	20.2%	#DIV/0!	#DIV/0!	#DIV/0!	2.764	1.926	Significantly Different
2PT	WP	6/6/2005	4/14/2008	Dibenzofuran	5905	13	1.56	58	0	0.00%	0.6380	79.1%	12.1%					0.0050	prob H0: V1=V2
1PT	WP	6/6/2005	6/18/2007	Di-n-butylphthalate	5925	14	0.88	25	0	0.00%	0.6491	79.8%	13.1%	#DIV/0!	#DIV/0!	#DIV/0!	1.094	1.706	Same
2PT	WP	6/6/2005	2/11/2008	Di-n-butylphthalate	5925	13	1.69	59	0	0.00%	0.5662	85.1%	12.6%					0.3786	prob H0: V1=V2
1PT	WP	6/6/2005	12/10/2007	Diethylphthalate	6070	13	0.70	23	0	0.00%	0.7684	76.7%	19.4%	#DIV/0!	#DIV/0!	#DIV/0!	2.409	1.719	Significantly Different
2PT	WP	6/6/2005	4/14/2008	Diethylphthalate	6070	13	1.67	62	0	0.00%	0.5118	80.8%	12.5%					0.0037	prob H0: V1=V2
1PT	WP	6/6/2005	12/10/2007	Dimethylphthalate	6135	13	1.16	38	1	2.63%	0.7104	65.9%	23.2%	0.399	0.345	Same	1.353	1.593	Same
2PT	WP	6/6/2005	12/10/2007	Dimethylphthalate	6135	13	2.02	66	1	1.52%	0.6991	76.6%	19.9%					0.1417	prob H0: V1=V2
1PT	WP	7/5/2005	12/10/2007	2,4-Dinitrotoluene	6185	14	0.68	23	1	4.35%	0.9203	81.3%	18.2%	1.704	0.044	Significantly Different	2.878	1.708	Significantly Different
2PT	WP	7/5/2005	4/14/2008	2,4-Dinitrotoluene	6185	13	1.83	66	0	0.00%	0.5489	82.8%	10.7%					0.0005	prob H0: V1=V2

Lab Group	Study Type	Study Open Date Minimum	Study Open Date Maximum	Analyte Name	NELAC Analyte Number	Number of individual Labs	Average Number PT per Year	Total Number Data Points	Total Number Not Acceptable	Failure Rate	Average Absolute z score	Average Recovery	Average Recovery Standard Deviation	Z _{CALC} Failure Rate	Significance of difference H0:p1=p2 Failure Rate	H0: p1=p2 (< 5% Significant) Failure Rate	F _{CALC} Average Recovery Variance	Critical F at p=0.05 for Average Recovery Variance / probability H0:V1=V2	F Test Average Recovery Variance (F _{CALC} < Critical F)
1PT	WP	6/6/2005	12/10/2007	2,6-Dinitrotoluene	6190	13	1.10	36	1	2.78%	0.8951	75.6%	17.0%	1.506	0.066	Same	2.192	1.570	Significantly Different
2PT	WP	6/6/2005	4/14/2008	2,6-Dinitrotoluene	6190	13	2.18	81	0	0.00%	0.6730	83.0%	11.5%					0.0020	prob H0: V1=V2
1PT	WP	6/6/2005	12/10/2007	Di-n-octylphthalate	6200	15	0.61	23	0	0.00%	0.8541	89.7%	21.3%	#DIV/0!	#DIV/0!	#DIV/0!	2.339	1.739	Significantly Different
2PT	WP	6/6/2005	2/11/2008	Di-n-octylphthalate	6200	13	1.60	56	0	0.00%	0.5379	87.0%	14.0%					0.0057	prob H0: V1=V2
1PT	WP	7/5/2005	6/18/2007	bis(2-Ethylhexyl)phthalate	6255	15	1.30	38	1	2.63%	0.8578	79.6%	20.0%	0.464	0.321	Same	0.599	1.578	Same
2PT	WP	7/5/2005	2/11/2008	bis(2-Ethylhexyl)phthalate	6255	13	2.13	72	1	1.39%	0.5358	89.8%	25.9%					0.9549	prob H0: V1=V2
1PT	WP	6/6/2005	12/10/2007	Fluoranthene	6265	14	1.11	39	0	0.00%	0.8251	83.8%	14.1%	0.983	0.163	Same	1.195	1.552	Same
2PT	WP	6/6/2005	2/11/2008	Fluoranthene	6265	13	2.35	82	2	2.44%	0.7635	86.5%	12.9%					0.2487	prob H0: V1=V2
1PT	WP	7/5/2005	12/10/2007	Fluorene	6270	14	0.65	22	0	0.00%	0.9433	77.1%	14.0%	#DIV/0!	#DIV/0!	#DIV/0!	2.056	1.723	Significantly Different
2PT	WP	7/5/2005	2/11/2008	Fluorene	6270	13	1.92	65	0	0.00%	0.6511	77.7%	9.8%					0.0145	prob H0: V1=V2
1PT	WP	6/6/2005	12/10/2007	Hexachlorobenzene	6275	13	0.64	21	0	0.00%	0.9790	77.0%	14.0%	#DIV/0!	#DIV/0!	#DIV/0!	1.466	1.757	Same
2PT	WP	6/6/2005	4/14/2008	Hexachlorobenzene	6275	13	1.56	58	0	0.00%	0.6729	83.7%	11.6%					0.1310	prob H0: V1=V2
1PT	WP	7/5/2005	12/11/2006	Hexachlorocyclopentadiene	6285	14	1.14	23	2	8.70%	0.9478	49.1%	24.8%	2.072	0.019	Significantly Different	1.547	1.773	Same
2PT	WP	7/5/2005	4/14/2008	Hexachlorocyclopentadiene	6285	13	1.33	48	0	0.00%	0.6913	55.4%	19.9%					0.1043	prob H0: V1=V2
1PT	WP	7/5/2005	12/10/2007	Indeno(1,2,3-cd)pyrene	6315	7	0.53	9	0	0.00%	1.0364	99.4%	15.4%	#DIV/0!	#DIV/0!	#DIV/0!	0.672	2.119	Same
2PT	WP	7/5/2005	4/14/2008	Indeno(1,2,3-cd)pyrene	6315	13	1.50	54	0	0.00%	0.6883	78.7%	18.8%					0.7139	prob H0: V1=V2
1PT	WP	12/11/2006	6/18/2007	2-Methylnaphthalene	6385	10	2.32	12	0	0.00%	1.0768	66.6%	21.8%	#DIV/0!	#DIV/0!	#DIV/0!	2.457	2.038	Significantly Different
2PT	WP	6/6/2005	1/14/2008	2-Methylnaphthalene	6385	13	1.21	41	0	0.00%	0.6695	69.0%	13.9%					0.0188	prob H0: V1=V2
1PT	WP	6/12/2006	6/18/2007	N-Nitrosodiethylamine	6525	7	1.69	12	9	75.00%	3.3489	23.6%	25.0%	3.926	0.000	Significantly Different	1.261	2.283	Same
2PT	WP	6/12/2006	7/16/2007	N-Nitrosodiethylamine	6525	7	2.88	22	2	9.09%	1.1457	62.2%	22.3%					0.3107	prob H0: V1=V2
1PT	WP	7/5/2005	12/10/2007	N-Nitrosodimethylamine	6530	14	1.06	36	3	8.33%	1.1358	53.6%	31.0%	2.398	0.008	Significantly Different	2.267	1.601	Significantly Different
2PT	WP	7/5/2005	4/14/2008	N-Nitrosodimethylamine	6530	13	1.86	67	0	0.00%	0.8316	47.7%	20.6%					0.0021	prob H0: V1=V2
1PT	WP	6/6/2005	12/10/2007	N-Nitroso-di-n-propylamine	6545	13	1.07	35	0	0.00%	0.9504	75.2%	18.5%	#DIV/0!	#DIV/0!	#DIV/0!	1.645	1.601	Same
2PT	WP	6/6/2005	4/14/2008	N-Nitroso-di-n-propylamine	6545	13	1.86	69	0	0.00%	0.7332	78.7%	14.4%					0.0409	prob H0: V1=V2
1PT	WP	6/6/2005	12/10/2007	Phenanthrene	6615	14	0.74	26	0	0.00%	0.8721	81.2%	13.1%	#DIV/0!	#DIV/0!	#DIV/0!	1.183	1.659	Same
2PT	WP	6/6/2005	4/14/2008	Phenanthrene	6615	13	1.97	73	0	0.00%	0.8016	86.1%	12.0%					0.2846	prob H0: V1=V2
1PT	WP	6/6/2005	12/10/2007	Pyrene	6665	14	0.60	21	0	0.00%	0.5842	85.5%	14.1%	#DIV/0!	#DIV/0!	#DIV/0!	1.018	1.789	Same
2PT	WP	6/6/2005	4/14/2008	Pyrene	6665	13	1.35	50	0	0.00%	0.5809	89.1%	13.9%					0.4597	prob H0: V1=V2

Lab Group	Study Type	Study Open Date Minimum	Study Open Date Maximum	Analyte Name	NELAC Analyte Number	Number of individual Labs	Average Number PT per Year	Total Number Data Points	Total Number Not Acceptable	Failure Rate	Average Absolute z score	Average Recovery	Average Recovery Standard Deviation	Z _{CALC} Failure Rate	Significance of difference H0:p1=p2 Failure Rate	H0: p1=p2 (< 5% Significant) Failure Rate	F _{CALC} Average Recovery Variance	Critical F at p=0.05 for Average Recovery Variance / probability H0:V1=V2	F Test Average Recovery Variance (F _{CALC} < Critical F)
Data Not used in Comparison																			
1PT	WP	12/11/2006	12/11/2006	2-Amino-1-methylbenzene (o-tolu	5145	1		1	1	100.00%	4.2059	10.0%		2.828	0.002	Significantly Different	0.000	#NUM!	#NUM!
2PT	WP	12/11/2006	1/15/2007	2-Amino-1-methylbenzene (o-tolu	5145	5		7	0	0.00%	0.8529	61.0%	4.4%					#NUM!	prob H0: V1=V2
1PT	WP	12/11/2006	12/11/2006	Carbazole	5680	1		1	0	0.00%	0.3865	95.4%		0.301	0.382	Same	0.000	#NUM!	#NUM!
2PT	WP	10/13/2006	8/13/2007	Carbazole	5680	12	2.40	24	2	8.33%	1.1059	87.1%	24.3%					#NUM!	prob H0: V1=V2
1PT	WP	12/11/2006	12/11/2006	1-Chloronaphthalene	5790	1		1	1	100.00%	4.0262	10.0%		1.732	0.042	Significantly Different	#DIV/0!	#NUM!	#DIV/0!
2PT	WP	12/11/2006	12/11/2006	1-Chloronaphthalene	5790	1		2	0	0.00%	0.8474	60.7%	0.0%					#DIV/0!	prob H0: V1=V2
1PT	WP	6/6/2005	12/10/2007	Isophorone	6320	4	0.80	8	0	0.00%	0.9902	80.6%	19.4%	0.626	0.266	Same	1.238	2.159	Same
2PT	WP	6/6/2005	4/14/2008	Isophorone	6320	13	1.72	64	3	4.69%	0.9016	78.9%	17.4%					0.2958	prob H0: V1=V2
1PT														#DIV/0!	#DIV/0!	#DIV/0!	0.000	#NUM!	#NUM!
2PT	WP	1/15/2007	4/14/2008	Pentachlorobenzene	6590	4	1.40	7	0	0.00%	0.7053	65.6%	12.0%					#NUM!	prob H0: V1=V2
1PT	WP	6/18/2007	6/18/2007	1,2,4,5-Tetrachlorobenzene	6715	3		3	3	100.00%	5.0000	10.0%	0.0%	3.873	0.000	Significantly Different	0.000	3.982	Significantly Different
2PT	WP	6/18/2007	7/16/2007	1,2,4,5-Tetrachlorobenzene	6715	8	19.55	12	0	0.00%	0.4470	77.8%	8.7%					1.0000	prob H0: V1=V2
1PT	WP	12/5/2005	6/18/2007	2,3,4,6-Tetrachlorophenol	6735	4	1.30	8	6	75.00%	3.0765	53.9%	80.3%	6.230	0.000	Significantly Different	21.148	2.221	Significantly Different
2PT	WP	10/7/2005	4/14/2008	2,3,4,6-Tetrachlorophenol	6735	7	2.61	46	0	0.00%	0.6386	77.4%	17.5%					0.0000	prob H0: V1=V2

SOIL		BNA		Summary - All Studies															
Lab Group	Study Type	Study Open Date Minimum	Study Open Date Maximum	Class Name	Number of Analytes	Number of individual Labs	Average Number PT per Year	Total Number Data Points	Total Number Not Acceptable	Failure Rate	Average Absolute z score	Average Recovery	Average Recovery Standard Deviation	z _{CALC} Failure Rate	Significance of difference H0:p1=p2 Failure Rate	H0: p1=p2 (< 5% Significant) Failure Rate	F _{CALC} Average Recovery Variance	Critical F at p=0.05 for Average Recovery Variance / probability H0:V1=V2	F Test Average Recovery Variance (F _{CALC} < Critical F)
1PT	SOIL	7/25/2005	4/21/2008	BNA	55	12	1.12	1561	102	6.53%	1.0943	64.5%	26.9%	12.718	0.000	Significantly Different	1.925	1.073	Significantly Different
2PT	SOIL	4/25/2005	4/21/2008	BNA	55	14	1.71	3474	20	0.58%	0.6673	67.3%	19.4%					0.0000	prob H0: V1=V2
Studies by Accreditation Period (12 months)																			
1PT	SOIL	7/23/2007	4/21/2008	BNA	51	12	NA	572	25	4.37%	0.9359	66.3%	24.9%	7.139	0.000	Significantly Different	1.635	1.125	Significantly Different
2PT	SOIL	7/23/2007	4/21/2008	BNA	54	14	NA	1149	0	0.00%	0.6621	67.3%	19.5%					0.0000	prob H0: V1=V2
1PT	SOIL	10/20/2006	4/23/2007	BNA	52	12	NA	517	39	7.54%	1.1364	67.9%	27.6%	6.325	0.000	Significantly Different	2.070	1.130	Significantly Different
2PT	SOIL	7/24/2006	4/23/2007	BNA	55	14	NA	1106	16	1.45%	0.7069	68.3%	19.2%					0.0000	prob H0: V1=V2
1PT	SOIL	7/25/2005	4/24/2006	BNA	50	11	NA	472	38	8.05%	1.2402	58.6%	27.5%	9.153	0.000	Significantly Different	2.004	1.132	Significantly Different
2PT	SOIL	4/25/2005	4/24/2006	BNA	50	14	NA	1219	4	0.33%	0.6362	66.3%	19.4%					0.0000	prob H0: V1=V2

Soil Analyte Summary					
Lab Group	Number of Analytes	Failure Rate Number of analytes Significantly Different High	Failure Rate Percentage of Analytes Significantly Different High	Average Recovery Variance Number of analytes Significantly Different High	Average Recovery Variance Percentage Significantly Different High
1PT	55	28	50.9%	43	78.2%
2PT	55	0	0.0%	0	0.0%
Same	55	27	49.1%	12	21.8%

Lab Group	Study Type	Study Open Date Minimum	Study Open Date Maximum	Analyte Name	NELAC Analyte Number	Number of individual Labs	Average Number PT per Year	Total Number Data Points	Total Number Not Acceptable	Failure Rate	Average Absolute z score	Average Recovery	Average Recovery Standard Deviation	Z _{CALC} Failure Rate	Significance of difference H0:p1=p2 Failure Rate	H0: p1=p2 (< 5% Significant) Failure Rate	F _{CALC} Average Recovery Variance	Critical F at p=0.05 for Average Recovery Variance / probability H0:V1=V2	F Test Average Recovery Variance (F _{CALC} < Critical F)
1PT	SOIL	7/25/2005	10/24/2005	1,2-Dichlorobenzene	4610	10	4.41	11	0	0.00%	0.9406	50.1%	25.5%	#DIV/0!	#DIV/0!	#DIV/0!	2.321	2.297	Same
2PT	SOIL	4/25/2005	1/21/2008	1,2-Dichlorobenzene	4610	14	0.60	23	0	0.00%	0.6938	50.6%	16.7%					0.0479	prob H0: V1=V2
1PT	SOIL	10/24/2005	4/21/2008	1,3-Dichlorobenzene	4615	12	0.70	21	0	0.00%	0.9469	52.6%	22.7%	#DIV/0!	#DIV/0!	#DIV/0!	2.644	1.839	Significantly Different
2PT	SOIL	4/25/2005	4/21/2008	1,3-Dichlorobenzene	4615	14	0.98	41	0	0.00%	0.5880	47.5%	13.9%					0.0044	prob H0: V1=V2
1PT	SOIL	10/24/2005	4/21/2008	1,4-Dichlorobenzene	4620	12	1.14	34	1	2.94%	1.0068	55.5%	22.4%	0.386	0.350	Same	2.257	1.640	Significantly Different
2PT	SOIL	4/25/2005	4/21/2008	1,4-Dichlorobenzene	4620	14	1.38	58	1	1.72%	0.6973	49.5%	14.9%					0.0034	prob H0: V1=V2
1PT	SOIL	7/25/2005	4/21/2008	Hexachlorobutadiene	4835	12	1.03	34	0	0.00%	0.9030	62.3%	20.0%	#DIV/0!	#DIV/0!	#DIV/0!	2.188	1.640	Significantly Different
2PT	SOIL	4/25/2005	4/21/2008	Hexachlorobutadiene	4835	14	1.38	58	0	0.00%	0.6688	65.6%	13.5%					0.0046	prob H0: V1=V2
1PT	SOIL	7/25/2005	10/19/2007	Hexachloroethane	4840	12	1.34	36	1	2.78%	1.0176	52.2%	21.6%	1.391	0.082	Same	2.271	1.596	Significantly Different
2PT	SOIL	4/25/2005	1/21/2008	Hexachloroethane	4840	14	1.80	69	0	0.00%	0.6629	51.8%	14.3%					0.0019	prob H0: V1=V2
1PT	SOIL	7/25/2005	10/19/2007	Naphthalene	5005	12	1.38	37	2	5.41%	1.1065	67.3%	22.4%	1.991	0.023	Significantly Different	2.346	1.583	Significantly Different
2PT	SOIL	4/25/2005	10/19/2007	Naphthalene	5005	14	2.07	72	0	0.00%	0.7141	66.1%	14.6%					0.0011	prob H0: V1=V2
1PT	SOIL	7/25/2005	4/21/2008	Nitrobenzene	5015	11	0.86	26	2	7.69%	1.1018	60.6%	22.8%	2.394	0.008	Significantly Different	2.542	1.659	Significantly Different
2PT	SOIL	4/25/2005	4/21/2008	Nitrobenzene	5015	14	1.74	73	0	0.00%	0.6837	66.6%	14.3%					0.0011	prob H0: V1=V2
1PT	SOIL	4/24/2006	4/21/2008	1,2,4-Trichlorobenzene	5155	12	1.09	26	1	3.85%	0.9480	65.7%	19.1%	1.541	0.062	Same	2.221	1.690	Significantly Different
2PT	SOIL	4/24/2006	4/21/2008	1,2,4-Trichlorobenzene	5155	14	2.18	61	0	0.00%	0.6687	65.1%	12.8%					0.0061	prob H0: V1=V2
1PT	SOIL	7/25/2005	4/21/2008	Acenaphthene	5500	12	1.15	38	1	2.63%	0.9256	74.3%	18.5%	0.616	0.269	Same	2.444	1.547	Significantly Different
2PT	SOIL	4/25/2005	4/21/2008	Acenaphthene	5500	14	2.10	88	1	1.14%	0.6833	73.0%	11.8%					0.0003	prob H0: V1=V2
1PT	SOIL	4/24/2006	4/21/2008	Acenaphthylene	5505	12	1.13	27	0	0.00%	0.6973	75.6%	13.1%	0.611	0.271	Same	0.625	1.650	Same
2PT	SOIL	4/25/2005	4/21/2008	Acenaphthylene	5505	14	1.74	73	1	1.37%	0.7085	69.8%	16.6%					0.9093	prob H0: V1=V2
1PT	SOIL	4/24/2006	4/21/2008	Anthracene	5555	12	1.13	27	0	0.00%	0.8693	80.5%	15.0%	#DIV/0!	#DIV/0!	#DIV/0!	1.324	1.664	Same
2PT	SOIL	1/23/2006	4/21/2008	Anthracene	5555	14	2.13	67	0	0.00%	0.6322	74.2%	13.0%					0.1796	prob H0: V1=V2
1PT	SOIL	4/24/2006	4/21/2008	Benzo(a)anthracene	5575	12	1.13	27	1	3.70%	0.8266	84.9%	14.6%	0.740	0.230	Same	1.535	1.650	Same
2PT	SOIL	4/25/2005	4/21/2008	Benzo(a)anthracene	5575	14	1.74	73	1	1.37%	0.5851	79.0%	11.8%					0.0793	prob H0: V1=V2
1PT	SOIL	7/25/2005	4/21/2008	Benzo(a)pyrene	5580	12	0.88	29	4	13.79%	1.3369	50.9%	27.0%	2.075	0.019	Significantly Different	1.832	1.640	Significantly Different
2PT	SOIL	7/25/2005	4/21/2008	Benzo(a)pyrene	5580	14	1.82	70	2	2.86%	0.7021	65.3%	19.9%					0.0219	prob H0: V1=V2
1PT	SOIL	7/25/2005	4/21/2008	Benzo(b)fluoranthene	5585	12	1.15	38	4	10.53%	1.3877	75.7%	29.1%	1.799	0.036	Significantly Different	4.559	1.567	Significantly Different
2PT	SOIL	7/25/2005	4/21/2008	Benzo(b)fluoranthene	5585	14	2.01	77	2	2.60%	0.6470	79.8%	13.6%					0.0000	prob H0: V1=V2
1PT	SOIL	10/24/2005	4/21/2008	Benzo(g,h,i)perylene	5590	11	0.84	23	3	13.04%	1.1084	77.2%	29.3%	2.633	0.004	Significantly Different	4.760	1.759	Significantly Different
2PT	SOIL	10/24/2005	4/21/2008	Benzo(g,h,i)perylene	5590	14	1.46	51	0	0.00%	0.6183	78.0%	13.4%					0.0000	prob H0: V1=V2

Lab Group	Study Type	Study Open Date Minimum	Study Open Date Maximum	Analyte Name	NELAC Analyte Number	Number of individual Labs	Average Number PT per Year	Total Number Data Points	Total Number Not Acceptable	Failure Rate	Average Absolute z score	Average Recovery	Average Recovery Standard Deviation	Z _{CALC} Failure Rate	Significance of difference H0:p1=p2 Failure Rate	H0: p1=p2 (< 5% Significant) Failure Rate	F _{CALC} Average Recovery Variance	Critical F at p=0.05 for Average Recovery Variance / probability H0:V1=V2	F Test Average Recovery Variance (F _{CALC} < Critical F)
1PT	SOIL	7/25/2005	4/21/2008	Benzo(k)fluoranthene	5600	12	1.22	40	4	10.00%	1.2190	82.5%	26.8%	2.348	0.009	Significantly Different	3.254	1.542	Significantly Different
2PT	SOIL	4/25/2005	4/21/2008	Benzo(k)fluoranthene	5600	14	2.03	85	1	1.18%	0.7136	80.5%	14.8%					0.0000	prob H0: V1=V2
1PT	SOIL	7/25/2005	10/19/2007	4-Bromophenyl-phenylether	5660	10	0.63	14	1	7.14%	0.9787	75.0%	22.9%	1.847	0.032	Significantly Different	3.665	1.940	Significantly Different
2PT	SOIL	4/25/2005	1/21/2008	4-Bromophenyl-phenylether	5660	14	1.22	47	0	0.00%	0.5715	78.6%	12.0%					0.0005	prob H0: V1=V2
1PT	SOIL	7/25/2005	10/19/2007	Butylbenzylphthalate	5670	12	1.27	34	2	5.88%	1.2809	74.5%	27.8%	2.035	0.021	Significantly Different	3.422	1.607	Significantly Different
2PT	SOIL	4/25/2005	10/19/2007	Butylbenzylphthalate	5670	14	1.98	69	0	0.00%	0.6706	77.2%	15.1%					0.0000	prob H0: V1=V2
1PT	SOIL	4/23/2007	10/19/2007	Carbazole	5680	9	2.27	10	2	20.00%	1.2662	87.7%	28.1%	2.303	0.011	Significantly Different	4.403	2.300	Significantly Different
2PT	SOIL	1/22/2007	10/19/2007	Carbazole	5680	14	2.41	25	0	0.00%	0.5530	76.9%	13.4%					0.0017	prob H0: V1=V2
1PT	SOIL	7/25/2005	10/19/2007	4-Chloro-3-methylphenol	5700	12	1.30	35	1	2.86%	0.9320	57.3%	17.9%	1.471	0.071	Same	2.117	1.587	Significantly Different
2PT	SOIL	4/25/2005	1/21/2008	4-Chloro-3-methylphenol	5700	14	1.95	75	0	0.00%	0.6653	66.1%	12.3%					0.0037	prob H0: V1=V2
1PT	SOIL	10/24/2005	4/21/2008	bis(2-Chloroisopropyl)ether	5780	11	0.84	23	2	8.70%	1.0736	67.4%	25.5%	1.678	0.047	Significantly Different	2.444	1.703	Significantly Different
2PT	SOIL	4/25/2005	4/21/2008	bis(2-Chloroisopropyl)ether	5780	14	1.62	68	1	1.47%	0.7578	66.8%	16.3%					0.0027	prob H0: V1=V2
1PT	SOIL	7/25/2005	4/23/2007	2-Chloronaphthalene	5795	10	0.69	12	1	8.33%	1.2212	66.5%	26.8%	0.390	0.348	Same	1.362	2.059	Same
2PT	SOIL	4/25/2005	1/21/2008	2-Chloronaphthalene	5795	14	0.99	38	2	5.26%	0.8467	75.9%	22.9%					0.2316	prob H0: V1=V2
1PT	SOIL	7/25/2005	4/21/2008	2-Chlorophenol	5800	12	1.09	36	2	5.56%	1.0245	51.8%	19.0%	1.416	0.078	Same	1.899	1.563	Significantly Different
2PT	SOIL	4/25/2005	4/21/2008	2-Chlorophenol	5800	14	2.03	85	1	1.18%	0.7379	59.2%	13.8%					0.0089	prob H0: V1=V2
1PT	SOIL	7/25/2005	4/21/2008	4-Chlorophenyl-phenylether	5825	10	0.55	15	1	6.67%	1.2595	68.0%	23.9%	1.075	0.141	Same	4.614	1.863	Significantly Different
2PT	SOIL	4/25/2005	4/21/2008	4-Chlorophenyl-phenylether	5825	14	1.43	60	1	1.67%	0.5761	73.7%	11.1%					0.0000	prob H0: V1=V2
1PT	SOIL	10/24/2005	4/21/2008	Chrysene	5855	12	1.14	34	3	8.82%	1.1536	81.5%	24.7%	1.875	0.030	Significantly Different	3.650	1.600	Significantly Different
2PT	SOIL	4/25/2005	4/21/2008	Chrysene	5855	14	1.72	72	1	1.39%	0.6341	83.0%	12.9%					0.0000	prob H0: V1=V2
1PT	SOIL	10/24/2005	4/21/2008	Dibenzofuran	5905	12	1.14	34	1	2.94%	1.0001	71.8%	20.0%	1.482	0.069	Same	2.810	1.595	Significantly Different
2PT	SOIL	10/24/2005	4/21/2008	Dibenzofuran	5905	14	2.12	74	0	0.00%	0.6612	74.1%	11.9%					0.0001	prob H0: V1=V2
1PT	SOIL	10/24/2005	10/19/2007	Di-n-butylphthalate	5925	12	1.34	32	3	9.38%	1.0576	74.0%	22.8%	2.450	0.007	Significantly Different	3.657	1.639	Significantly Different
2PT	SOIL	4/25/2005	1/21/2008	Di-n-butylphthalate	5925	14	1.61	62	0	0.00%	0.5792	79.3%	11.9%					0.0000	prob H0: V1=V2
1PT	SOIL	7/25/2005	10/19/2007	2,4-Dichlorophenol	6000	12	1.30	35	2	5.71%	1.0709	56.5%	21.0%	1.121	0.131	Same	2.259	1.621	Significantly Different
2PT	SOIL	4/25/2005	10/19/2007	2,4-Dichlorophenol	6000	14	1.78	62	1	1.61%	0.6947	61.6%	14.0%					0.0028	prob H0: V1=V2
1PT	SOIL	10/24/2005	4/21/2008	2,6-Dichlorophenol	6005	9	0.71	16	13	81.25%	3.7150	20.6%	23.4%	5.561	0.000	Significantly Different	2.208	1.963	Same
2PT	SOIL	10/24/2005	4/21/2008	2,6-Dichlorophenol	6005	9	1.60	36	2	5.56%	0.7114	57.1%	15.7%					0.0268	prob H0: V1=V2
1PT	SOIL	10/24/2005	10/19/2007	Diethylphthalate	6070	12	1.38	33	2	6.06%	1.1226	70.3%	21.5%	2.036	0.021	Significantly Different	3.314	1.618	Significantly Different
2PT	SOIL	4/25/2005	1/21/2008	Diethylphthalate	6070	14	1.75	67	0	0.00%	0.5660	77.2%	11.8%					0.0000	prob H0: V1=V2

Lab Group	Study Type	Study Open Date Minimum	Study Open Date Maximum	Analyte Name	NELAC Analyte Number	Number of individual Labs	Average Number PT per Year	Total Number Data Points	Total Number Not Acceptable	Failure Rate	Average Absolute z score	Average Recovery	Average Recovery Standard Deviation	Z _{CALC} Failure Rate	Significance of difference H0:p1=p2 Failure Rate	H0: p1=p2 (< 5% Significant) Failure Rate	F _{CALC} Average Recovery Variance	Critical F at p=0.05 for Average Recovery Variance / probability H0:V1=V2	F Test Average Recovery Variance (F _{CALC} < Critical F)
1PT	SOIL	7/25/2005	10/19/2007	Dimethylphthalate	6135	12	1.30	35	1	2.86%	1.0053	73.2%	20.1%	1.338	0.090	Same	2.890	1.621	Significantly Different
2PT	SOIL	4/25/2005	10/19/2007	Dimethylphthalate	6135	14	1.78	62	0	0.00%	0.6055	74.7%	11.8%					0.0002	prob H0: V1=V2
1PT	SOIL	7/25/2005	4/21/2008	2,4-Dinitrophenol	6175	11	0.80	24	0	0.00%	1.3512	17.7%	15.8%	#DIV/0!	#DIV/0!	#DIV/0!	2.610	1.708	Significantly Different
2PT	SOIL	4/25/2005	4/21/2008	2,4-Dinitrophenol	6175	14	1.48	62	0	0.00%	0.8825	15.8%	9.8%					0.0015	prob H0: V1=V2
1PT	SOIL	10/24/2005	10/19/2007	2,4-Dinitrotoluene	6185	12	1.43	34	2	5.88%	0.9630	67.6%	21.6%	2.092	0.018	Significantly Different	2.901	1.598	Significantly Different
2PT	SOIL	4/25/2005	1/21/2008	2,4-Dinitrotoluene	6185	14	1.90	73	0	0.00%	0.6108	76.9%	12.7%					0.0001	prob H0: V1=V2
1PT	SOIL	7/25/2005	10/19/2007	2,6-Dinitrotoluene	6190	11	0.98	24	0	0.00%	0.7170	77.4%	12.7%	#DIV/0!	#DIV/0!	#DIV/0!	1.449	1.762	Same
2PT	SOIL	4/25/2005	1/21/2008	2,6-Dinitrotoluene	6190	14	1.25	48	0	0.00%	0.6171	77.1%	10.5%					0.1391	prob H0: V1=V2
1PT	SOIL	7/25/2005	4/23/2007	Di-n-octylphthalate	6200	12	1.24	26	7	26.92%	1.7677	89.1%	42.1%	4.161	0.000	Significantly Different	9.175	1.697	Significantly Different
2PT	SOIL	4/25/2005	1/21/2008	Di-n-octylphthalate	6200	14	1.54	59	0	0.00%	0.5486	82.7%	13.9%					0.0000	prob H0: V1=V2
1PT	SOIL	10/20/2006	4/21/2008	bis(2-Ethylhexyl)phthalate	6255	12	1.33	24	2	8.33%	1.2563	82.3%	30.2%	2.110	0.017	Significantly Different	4.635	1.743	Significantly Different
2PT	SOIL	10/20/2006	4/21/2008	bis(2-Ethylhexyl)phthalate	6255	14	2.47	52	0	0.00%	0.6313	77.4%	14.0%					0.0000	prob H0: V1=V2
1PT	SOIL	7/25/2005	4/21/2008	Fluoranthene	6265	12	0.85	28	0	0.00%	0.9610	78.4%	16.9%	#DIV/0!	#DIV/0!	#DIV/0!	2.226	1.641	Significantly Different
2PT	SOIL	4/25/2005	4/21/2008	Fluoranthene	6265	14	1.74	73	0	0.00%	0.6301	78.6%	11.3%					0.0038	prob H0: V1=V2
1PT	SOIL	10/24/2005	4/21/2008	Fluorene	6270	12	1.17	35	1	2.86%	0.9294	78.0%	19.9%	1.461	0.072	Same	2.162	1.589	Significantly Different
2PT	SOIL	4/25/2005	4/21/2008	Fluorene	6270	14	1.77	74	0	0.00%	0.7410	77.7%	13.5%					0.0030	prob H0: V1=V2
1PT	SOIL	7/25/2005	4/21/2008	Hexachlorobenzene	6275	12	1.09	36	2	5.56%	1.1081	73.6%	21.9%	2.153	0.016	Significantly Different	3.210	1.568	Significantly Different
2PT	SOIL	4/25/2005	4/21/2008	Hexachlorobenzene	6275	14	1.96	82	0	0.00%	0.6904	77.8%	12.2%					0.0000	prob H0: V1=V2
1PT	SOIL	10/20/2006	10/20/2006	Hexachlorocyclopentadiene	6285	11		11	0	0.00%	0.6836	60.9%	16.7%	#DIV/0!	#DIV/0!	#DIV/0!	0.778	2.978	Same
2PT	SOIL	10/20/2006	10/20/2006	Hexachlorocyclopentadiene	6285	11		11	0	0.00%	0.7682	62.6%	19.0%					0.6506	prob H0: V1=V2
1PT	SOIL	7/25/2005	4/21/2008	Isophorone	6320	12	1.09	36	1	2.78%	1.1158	66.5%	21.4%	1.401	0.081	Same	2.329	1.593	Significantly Different
2PT	SOIL	4/25/2005	4/21/2008	Isophorone	6320	14	1.67	70	0	0.00%	0.7242	73.3%	14.0%					0.0014	prob H0: V1=V2
1PT	SOIL	7/25/2005	4/21/2008	4,6-Dinitro-2-methylphenol	6360	12	0.73	24	0	0.00%	1.0296	32.3%	21.4%	#DIV/0!	#DIV/0!	#DIV/0!	1.677	1.720	Same
2PT	SOIL	4/25/2005	4/21/2008	4,6-Dinitro-2-methylphenol	6360	14	1.38	58	0	0.00%	0.7879	29.5%	16.5%					0.0584	prob H0: V1=V2
1PT	SOIL	10/24/2005	4/21/2008	2-Methylnaphthalene	6385	11	0.77	21	2	9.52%	1.2135	71.0%	25.1%	1.885	0.030	Significantly Different	2.975	1.878	Significantly Different
2PT	SOIL	10/24/2005	4/21/2008	2-Methylnaphthalene	6385	14	1.03	36	0	0.00%	0.7244	71.0%	14.6%					0.0023	prob H0: V1=V2
1PT	SOIL	7/25/2005	4/21/2008	2-Methylphenol	6400	12	1.12	37	2	5.41%	1.0250	23.8%	11.1%	1.849	0.032	Significantly Different	0.583	1.610	Same
2PT	SOIL	4/25/2005	4/21/2008	2-Methylphenol	6400	14	1.48	62	0	0.00%	0.7693	32.7%	14.5%					0.9584	prob H0: V1=V2
1PT	SOIL	4/23/2007	4/21/2008	3&4-Methylphenol	6410	11	1.28	14	1	7.14%	0.9969	32.6%	14.8%	1.727	0.042	Significantly Different	0.863	1.974	Same
2PT	SOIL	1/22/2007	4/21/2008	3&4-Methylphenol	6410	14	2.35	41	0	0.00%	0.8253	46.0%	15.9%					0.5955	prob H0: V1=V2

Lab Group	Study Type	Study Open Date Minimum	Study Open Date Maximum	Analyte Name	NELAC Analyte Number	Number of individual Labs	Average Number PT per Year	Total Number Data Points	Total Number Not Acceptable	Failure Rate	Average Absolute z score	Average Recovery	Average Recovery Standard Deviation	Z _{CALC} Failure Rate	Significance of difference H0:p1=p2 Failure Rate	H0: p1=p2 (< 5% Significant) Failure Rate	F _{CALC} Average Recovery Variance	Critical F at p=0.05 for Average Recovery Variance / probability H0:V1=V2	F Test Average Recovery Variance (F _{CALC} < Critical F)
1PT	SOIL	7/25/2005	4/21/2008	2-Nitrophenol	6490	12	1.15	38	3	7.89%	1.1327	54.3%	22.3%	2.623	0.004	Significantly Different	3.177	1.552	Significantly Different
2PT	SOIL	4/25/2005	4/21/2008	2-Nitrophenol	6490	14	2.03	85	0	0.00%	0.6634	60.6%	12.5%					0.0000	prob H0: V1=V2
1PT	SOIL	7/25/2005	4/21/2008	4-Nitrophenol	6500	12	0.79	26	2	7.69%	1.1875	55.7%	29.4%	2.410	0.008	Significantly Different	2.852	1.657	Significantly Different
2PT	SOIL	4/25/2005	4/21/2008	4-Nitrophenol	6500	14	1.77	74	0	0.00%	0.5333	60.1%	17.4%					0.0003	prob H0: V1=V2
1PT	SOIL	4/23/2007	4/21/2008	N-Nitrosodimethylamine	6530	10	1.20	12	3	25.00%	1.3637	40.8%	21.3%	2.565	0.005	Significantly Different	1.353	2.044	Same
2PT	SOIL	7/24/2006	4/21/2008	N-Nitrosodimethylamine	6530	14	1.64	40	1	2.50%	0.8089	59.9%	18.3%					0.2339	prob H0: V1=V2
1PT	SOIL	7/25/2005	4/21/2008	N-Nitroso-di-n-propylamine	6545	11	0.76	23	1	4.35%	0.9137	64.7%	21.5%	0.630	0.264	Same	2.319	1.746	Significantly Different
2PT	SOIL	4/25/2005	4/21/2008	N-Nitroso-di-n-propylamine	6545	14	1.29	54	1	1.85%	0.6191	69.6%	14.1%					0.0065	prob H0: V1=V2
1PT	SOIL	7/25/2005	4/21/2008	Pentachlorophenol	6605	12	0.91	30	3	10.00%	1.0836	44.3%	24.7%	2.742	0.003	Significantly Different	2.816	1.625	Significantly Different
2PT	SOIL	4/25/2005	4/21/2008	Pentachlorophenol	6605	14	1.74	73	0	0.00%	0.6875	45.2%	14.7%					0.0002	prob H0: V1=V2
1PT	SOIL	7/25/2005	4/21/2008	Phenanthrene	6615	12	1.12	37	2	5.41%	1.0845	76.9%	19.0%	2.058	0.020	Significantly Different	3.318	1.572	Significantly Different
2PT	SOIL	4/25/2005	4/21/2008	Phenanthrene	6615	14	1.84	77	0	0.00%	0.6164	78.4%	10.4%					0.0000	prob H0: V1=V2
1PT	SOIL	7/25/2005	4/21/2008	Phenol	6625	12	1.09	36	1	2.78%	0.9903	51.6%	20.1%	1.543	0.061	Same	2.231	1.563	Significantly Different
2PT	SOIL	4/25/2005	4/21/2008	Phenol	6625	14	2.03	85	0	0.00%	0.6626	60.9%	13.5%					0.0015	prob H0: V1=V2
1PT	SOIL	7/25/2005	4/21/2008	Pyrene	6665	12	1.12	37	2	5.41%	0.9867	76.3%	22.0%	2.032	0.021	Significantly Different	3.344	1.576	Significantly Different
2PT	SOIL	4/25/2005	4/21/2008	Pyrene	6665	14	1.79	75	0	0.00%	0.5837	78.1%	12.1%					0.0000	prob H0: V1=V2
1PT	SOIL	7/25/2005	4/21/2008	2,4,5-Trichlorophenol	6835	12	1.15	38	3	7.89%	1.1314	63.4%	22.8%	2.623	0.004	Significantly Different	3.268	1.552	Significantly Different
2PT	SOIL	4/25/2005	4/21/2008	2,4,5-Trichlorophenol	6835	14	2.03	85	0	0.00%	0.6276	64.8%	12.6%					0.0000	prob H0: V1=V2
1PT	SOIL	7/25/2005	4/21/2008	2,4,6-Trichlorophenol	6840	12	1.15	38	1	2.63%	0.9502	60.8%	19.7%	1.502	0.067	Same	2.582	1.552	Significantly Different
2PT	SOIL	4/25/2005	4/21/2008	2,4,6-Trichlorophenol	6840	14	2.03	85	0	0.00%	0.6404	65.3%	12.3%					0.0002	prob H0: V1=V2

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Data Not used in Comparison																			
1PT														#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#NUM!	#DIV/0!
2PT	SOIL	1/22/2007	1/22/2007	2-Amino-1-methylbenzene (o-tolu	5145	1		1	0	0.00%	1.4663	12.3%						#DIV/0!	prob H0: V1=V2
1PT	SOIL	4/24/2006	4/21/2008	bis(2-Chloroethoxy)methane	5760	1	1.00	2	0	0.00%	0.3810	70.5%	10.4%	#DIV/0!	#DIV/0!	#DIV/0!	0.903	4.210	Same
2PT	SOIL	4/24/2006	4/21/2008	bis(2-Chloroethoxy)methane	5760	13	1.08	28	0	0.00%	0.5433	70.6%	10.9%					0.3504	prob H0: V1=V2
1PT	SOIL	4/23/2007	4/21/2008	bis(2-Chloroethyl)ether	5765	2	1.50	3	1	33.33%	2.2640	48.6%	38.8%	3.314	0.000	Significantly Different	6.943	3.305	Significantly Different
2PT	SOIL	7/24/2006	4/21/2008	bis(2-Chloroethyl)ether	5765	14	1.31	32	0	0.00%	0.6796	64.1%	14.7%					0.0032	prob H0: V1=V2
1PT	SOIL	4/23/2007	4/23/2007	1-Chloronaphthalene	5790	1		1	1	100.00%	4.4812	10.0%		2.236	0.013	Significantly Different	0.000	#NUM!	#NUM!
2PT	SOIL	1/22/2007	4/23/2007	1-Chloronaphthalene	5790	4	4.01	4	0	0.00%	0.6586	64.3%	22.0%					#NUM!	prob H0: V1=V2
1PT	SOIL	7/23/2007	7/23/2007	Dibenz(a,h)anthracene	5895	1		1	0	0.00%	0.3544	87.5%		#DIV/0!	#DIV/0!	#DIV/0!	0.000	#NUM!	#NUM!
2PT	SOIL	7/24/2006	1/21/2008	Dibenz(a,h)anthracene	5895	3	2.45	11	0	0.00%	0.5614	80.3%	12.8%					#NUM!	prob H0: V1=V2
1PT	SOIL	4/24/2006	4/24/2006	2,4-Dimethylphenol	6130	1		1	0	0.00%	1.7639	10.0%		#DIV/0!	#DIV/0!	#DIV/0!	0.000	#NUM!	#NUM!
2PT	SOIL	1/23/2006	4/24/2006	2,4-Dimethylphenol	6130	13	4.01	13	0	0.00%	1.0255	10.1%	0.2%					#NUM!	prob H0: V1=V2
1PT	SOIL	4/23/2007	4/23/2007	Indeno(1,2,3-cd)pyrene	6315	1		1	1	100.00%	3.0399	120.0%		3.464	0.000	Significantly Different	0.000	#NUM!	#NUM!
2PT	SOIL	4/23/2007	4/23/2007	Indeno(1,2,3-cd)pyrene	6315	11		11	0	0.00%	0.7726	63.9%	18.6%					#NUM!	prob H0: V1=V2
1PT														#DIV/0!	#DIV/0!	#DIV/0!	0.000	#NUM!	#NUM!
2PT	SOIL	1/22/2007	1/21/2008	Pentachlorobenzene	6590	2	3.01	6	0	0.00%	0.5440	80.0%	11.6%					#NUM!	prob H0: V1=V2
1PT	SOIL	10/19/2007	10/19/2007	1,2,4,5-Tetrachlorobenzene	6715	4		4	3	75.00%	4.1060	20.5%	21.1%	3.655	0.000	Significantly Different	2.974	3.344	Same
2PT	SOIL	1/22/2007	1/21/2008	1,2,4,5-Tetrachlorobenzene	6715	11	1.37	15	0	0.00%	0.6835	69.3%	12.2%					0.0678	prob H0: V1=V2
1PT	SOIL	4/23/2007	10/19/2007	2,3,4,6-Tetrachlorophenol	6735	5	2.45	6	4	66.67%	2.7902	31.8%	34.3%	3.103	0.001	Significantly Different	3.757	2.852	Significantly Different
2PT	SOIL	1/22/2007	1/21/2008	2,3,4,6-Tetrachlorophenol	6735	8	2.13	17	1	5.88%	0.6833	59.5%	17.7%					0.0193	prob H0: V1=V2