

Airborne Sample Data Analysis - Respirable Quartz
 NIOSH REL 0.05 milligrams/cubic meter
 OSHA PEL As Calculated

Abrasive Type	@ Make-up Air Area		@ Operator Area		@ Exhaust Area		Operator 's Breathing Zone	
	Fixed Station #1		Fixed Station #2		Fixed Station #3		(OBZ)	
	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note
CG-01	ND	< LOD 0.2424	ND	< LOD 0.2437	ND	< LOD 0.2431	ND	< LOD 0.2447
CS-01	ND	< LOD 0.2445	ND	< LOD 0.2450	ND	< LOD 0.2439	ND	< LOD 0.2280
CS-02	ND	< LOD 0.2442	ND	< LOD 0.2455	ND	< LOD 0.2446	ND	< LOD 0.2454
CS-03	ND	< LOD 0.2444	ND	< LOD 0.2439	ND	< LOD 0.2454	ND	< LOD 0.2405
CS-04	ND	< LOD 0.2442	ND	< LOD 0.2450	ND	< LOD 0.2459	ND	< LOD 0.2411
CS-05	ND	< LOD 0.2454	ND	< LOD 0.2454	ND	< LOD 0.2481	ND	< LOD 0.2422
CS-06	ND	< LOD 0.2440	ND	< LOD 0.2440	ND	< LOD 0.2452	ND	< LOD 0.2464
CS-07	ND	< LOD 0.2431	ND	< LOD 0.2422	ND	< LOD 0.2430	ND	< LOD 0.2456
CSDS-01	ND	< LOD 0.2450	ND	< LOD 0.2450	ND	< LOD 0.2447	ND	< LOD 0.2439
CSDS-02	ND	< LOD 0.2442	ND	< LOD 0.2436	ND	< LOD 0.2456	ND	< LOD 0.2519
N-01	ND	< LOD 0.2448	ND	< LOD 0.2426	ND	< LOD 0.2440	ND	< LOD 0.2443
N-02	ND	< LOD 0.2473	ND	< LOD 0.2439	ND	NA	ND	< LOD 0.2465
O-1	ND	< LOD 0.2459	ND	< LOD 0.2448	ND	< LOD 0.2465	ND	< LOD 0.2468
S-01	ND	< LOD 0.2468	ND	< LOD 0.2440	ND	< LOD 0.2440	ND	< LOD 0.2422
S-02	ND	< LOD 0.2456	0.49	< LOQ 0.7293	ND	< LOD 0.2456	ND	< LOD 0.2456
SH-01	ND	< LOD 0.2437	ND	< LOD 0.2450	ND	< LOD 0.2452	ND	< LOD 0.2559
SS-01	6.34	> LOQ 0.7316	19.96	> LOQ 0.7304	33.75	> LOQ 0.7338	13.49	> LOQ 0.7357
SS-02	9.80	> LOQ 0.7353	26.01	> LOQ 0.7362	43.17	> LOQ 0.7359	20.34	> LOQ 0.7265
SS-03	2.43	> LOQ 0.7304	11.07	> LOQ 0.7379	3.89	> LOQ 0.7284	2.93	> LOQ 0.7331
SS-04	ND	< LOD 0.2449	12.98	> LOQ 0.7346	3.19	> LOQ 0.7362	7.54	> LOQ 0.7293
SS-05	4.13	> LOQ 0.7297	16.03	> LOQ 0.7289	30.58	> LOQ 0.7338	22.03	> LOQ 0.7344
SS-06	5.16	> LOQ 0.7370	10.10	> LOQ 0.7388	17.02	> LOQ 0.7403	12.03	> LOQ 0.7080
SS-07	3.46	> LOQ 0.7412	7.09	> LOQ 0.7338	16.03	> LOQ 0.7401	10.74	> LOQ 0.7323
SSDS-01	5.61	> LOQ 0.7312	21.09	> LOQ 0.7355	30.58	> LOQ 0.7340	17.05	> LOQ 0.7203
SSDS-02	ND	< LOD 0.2418	4.18	> LOQ 0.7377	4.38	> LOQ 0.7304	3.42	> LOQ 0.7334
SSDS-03	ND	< LOD 0.2339	2.10	> LOQ 0.7009	ND	NA	0.96	> LOQ 0.7238
CP-1A	ND	< LOD 0.2455	ND	< LOD 0.2462	ND	< LOD 0.2427	ND	< LOD 0.2437
CP-1B	ND	< LOD 0.2816	ND	< LOD 0.2809	ND	< LOD 0.2821	ND	< LOD 0.2836
CP-2A	ND	< LOD 0.2451	ND	< LOD 0.2450	ND	< LOD 0.2458	ND	< LOD 0.2452
CP-2B	ND	< LOD 0.2436	ND	< LOD 0.2452	ND	< LOD 0.2460	ND	< LOD 0.2475
CP-3A	ND	< LOD 0.2438	ND	< LOD 0.2443	ND	< LOD 0.2432	ND	< LOD 0.2465
CP-3B	ND	< LOD 0.3257	ND	< LOD 0.3276	ND	< LOD 0.3242	ND	< LOD 0.2913
CP-4A	ND	< LOD 0.2430	0.50	< LOQ 0.7425	ND	< LOD 0.2448	0.74	> LOQ 0.7344
CP-4B	ND	< LOD 0.2447	0.24	< LOQ 0.7304	ND	< LOD 0.2445	ND	< LOD 0.2414
CPDS-1A	ND	< LOD 0.2450	ND	< LOD 0.2497	ND	< LOD 0.2462	ND	< LOD 0.2331
CPDS-1B	ND	< LOD 0.2452	ND	< LOD 0.2472	ND	< LOD 0.2465	ND	< LOD 0.2466
G-1A	ND	< LOD 0.2445	ND	< LOD 0.2450	ND	< LOD 0.2437	ND	< LOD 0.2433
G-1B	ND	< LOD 0.2446	ND	< LOD 0.2451	ND	< LOD 0.2471	ND	< LOD 0.2420
G-2A	ND	< LOD 0.2417	0.49	< LOQ 0.7325	0.49	< LOQ 0.7331	0.50	< LOQ 0.7560
G-2B	ND	< LOD 0.2437	0.98	> LOQ 0.7368	1.21	> LOQ 0.7259	0.74	> LOQ 0.7383
G-3A	ND	< LOD 0.2462	0.98	> LOQ 0.7342	0.98	> LOQ 0.7327	6.83	> LOQ 0.7314
G-4A	ND	< LOD 0.2435	0.74	> LOQ 0.7366	0.49	> LOQ 0.7357	1.25	> LOQ 0.7476
G-4B	ND	< LOD 0.2444	1.96	> LOQ 0.7351	0.24	< LOQ 0.7267	3.69	> LOQ 0.7388
G-5A	ND	< LOD 0.2438	ND	< LOD 0.2438	ND	< LOD 0.2449	ND	< LOD 0.2423
G-5B	ND	< LOD 0.2448	ND	< LOD 0.2450	ND	< LOD 0.2430	ND	< LOD 0.2435
G-6A	ND	< LOD 0.2445	ND	< LOD 0.2445	0.24	< LOQ 0.7310	0.24	< LOQ 0.7263
G-6B	ND	< LOD 0.2415	ND	< LOD 0.2506	ND	< LOD 0.2498	ND	< LOD 0.2440
G-7A	ND	< LOD 0.2460	ND	< LOD 0.2453	ND	< LOD 0.2469	ND	< LOD 0.2458
G-7B	ND	< LOD 0.2427	ND	< LOD 0.2459	ND	< LOD 0.2498	ND	< LOD 0.2490
SG-1A	ND	< LOD 0.2452	ND	< LOD 0.2451	ND	< LOD 0.2457	ND	< LOD 0.2455
SG-1B	ND	< LOD 0.4513	ND	< LOD 0.4500	ND	< LOD 0.4524	ND	< LOD 0.5382
SG-2A	ND	< LOD 0.2439	ND	< LOD 0.2444	ND	< LOD 0.2461	ND	< LOD 0.2439
SG-2B	ND	< LOD 0.2437	ND	< LOD 0.2463	ND	< LOD 0.2434	ND	< LOD 0.2396

Airborne Sample Data Analysis - Respirable Cristobalite
NIOSH REL 0.05 milligrams/cubic meter
OSHA PEL As Calculated

Abrasive Type	@ Make-up Air Area		@ Operator Area		@ Exhaust Area		Operator 's Breathing Zone	
	Fixed Station #1		Fixed Station #2		Fixed Station #3		(OBZ)	
	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note
CG-01	ND	< LOD 0.4848	ND	< LOD 0.4875	ND	< LOD 0.4862	ND	< LOD 0.4893
CS-01	ND	< LOD 0.4890	ND	< LOD 0.4899	ND	< LOD 0.4878	ND	< LOD 0.4560
CS-02	ND	< LOD 0.4885	ND	< LOD 0.4909	ND	< LOD 0.4892	ND	< LOD 0.4908
CS-03	ND	< LOD 0.4888	ND	< LOD 0.4878	ND	< LOD 0.4908	ND	< LOD 0.4810
CS-04	ND	< LOD 0.4885	ND	< LOD 0.4899	ND	< LOD 0.4918	ND	< LOD 0.4821
CS-05	ND	< LOD 0.4908	ND	< LOD 0.4908	ND	< LOD 0.4962	ND	< LOD 0.4844
CS-06	ND	< LOD 0.4880	ND	< LOD 0.4879	ND	< LOD 0.4903	ND	< LOD 0.4928
CS-07	ND	< LOD 0.4862	ND	< LOD 0.4845	ND	< LOD 0.4859	ND	< LOD 0.4912
CSDS-01	ND	< LOD 0.4899	ND	< LOD 0.4901	ND	< LOD 0.4895	ND	< LOD 0.4878
CSDS-02	ND	< LOD 0.4883	ND	< LOD 0.4872	ND	< LOD 0.4912	ND	< LOD 0.5038
N-01	ND	< LOD 0.4896	ND	< LOD 0.4852	ND	< LOD 0.4879	ND	< LOD 0.4886
N-02	ND	< LOD 0.4946	ND	< LOD 0.4878	ND	NA	ND	< LOD 0.4930
O-1	ND	< LOD 0.4918	ND	< LOD 0.4896	ND	< LOD 0.4931	ND	< LOD 0.4937
S-01	ND	< LOD 0.4937	ND	< LOD 0.4879	ND	< LOD 0.4879	ND	< LOD 0.4844
S-02	ND	< LOD 0.4912	ND	< LOD 0.4862	ND	< LOD 0.4912	ND	< LOD 0.4912
SH-01	ND	< LOD 0.4875	ND	< LOD 0.4901	ND	< LOD 0.4905	ND	< LOD 0.5117
SS-01	ND	< LOD 0.4878	ND	< LOD 0.4869	ND	< LOD 0.4892	ND	< LOD 0.4905
SS-02	ND	< LOD 0.4902	ND	< LOD 0.4908	ND	< LOD 0.4906	ND	< LOD 0.4844
SS-03	ND	< LOD 0.4869	ND	< LOD 0.4919	ND	< LOD 0.4856	ND	< LOD 0.4888
SS-04	ND	< LOD 0.4898	ND	< LOD 0.4898	ND	< LOD 0.4908	ND	< LOD 0.4862
SS-05	ND	< LOD 0.4865	ND	< LOD 0.4859	ND	< LOD 0.4892	ND	< LOD 0.4896
SS-06	ND	< LOD 0.4914	ND	< LOD 0.4925	ND	< LOD 0.4935	ND	< LOD 0.4720
SS-07	ND	< LOD 0.4941	ND	< LOD 0.4892	ND	< LOD 0.4934	ND	< LOD 0.4882
SSDS-01	ND	< LOD 0.4875	ND	< LOD 0.4903	ND	< LOD 0.4893	ND	< LOD 0.4802
SSDS-02	ND	< LOD 0.4835	ND	< LOD 0.4918	ND	< LOD 0.4869	ND	< LOD 0.4889
SSDS-03	ND	< LOD 0.4678	ND	< LOD 0.4673	ND	NA	ND	< LOD 0.4825
CP-1A	ND	< LOD 0.4909	ND	< LOD 0.4924	ND	< LOD 0.4853	ND	< LOD 0.4873
CP-1B	ND	< LOD 0.5632	ND	< LOD 0.5619	ND	< LOD 0.5642	ND	< LOD 0.5672
CP-2A	ND	< LOD 0.4902	ND	< LOD 0.4899	ND	< LOD 0.4916	ND	< LOD 0.4903
CP-2B	ND	< LOD 0.4872	ND	< LOD 0.4903	ND	< LOD 0.4919	ND	< LOD 0.4950
CP-3A	ND	< LOD 0.4876	ND	< LOD 0.4886	ND	< LOD 0.4865	ND	< LOD 0.4931
CP-3B	ND	< LOD 0.6515	ND	< LOD 0.6551	ND	< LOD 0.6484	ND	< LOD 0.5826
CP-4A	ND	< LOD 0.4859	ND	< LOD 0.4950	ND	< LOD 0.4896	ND	< LOD 0.4896
CP-4B	ND	< LOD 0.4895	ND	< LOD 0.4869	ND	< LOD 0.4890	ND	< LOD 0.4828
CPDS-1A	ND	< LOD 0.4899	ND	< LOD 0.4995	ND	< LOD 0.4924	ND	< LOD 0.4662
CPDS-1B	ND	< LOD 0.4903	ND	< LOD 0.4944	ND	< LOD 0.4930	ND	< LOD 0.4932
G-1A	ND	< LOD 0.4889	ND	< LOD 0.4901	ND	< LOD 0.4873	ND	< LOD 0.4866
G-1B	ND	< LOD 0.4892	ND	< LOD 0.4902	ND	< LOD 0.4941	ND	< LOD 0.4839
G-2A	ND	< LOD 0.4834	ND	< LOD 0.4883	ND	< LOD 0.4888	ND	< LOD 0.5040
G-2B	ND	< LOD 0.4873	ND	< LOD 0.4912	ND	< LOD 0.4839	ND	< LOD 0.4922
G-3A	ND	< LOD 0.4924	ND	< LOD 0.4895	ND	< LOD 0.4885	ND	< LOD 0.4876
G-4A	ND	< LOD 0.4869	ND	< LOD 0.4911	ND	< LOD 0.4905	ND	< LOD 0.4984
G-4B	ND	< LOD 0.4888	ND	< LOD 0.4901	ND	< LOD 0.4845	ND	< LOD 0.4925
G-5A	ND	< LOD 0.4876	ND	< LOD 0.4876	ND	< LOD 0.4898	ND	< LOD 0.4846
G-5B	ND	< LOD 0.4896	ND	< LOD 0.4899	ND	< LOD 0.4861	ND	< LOD 0.4869
G-6A	ND	< LOD 0.4890	ND	< LOD 0.4890	ND	< LOD 0.4873	ND	< LOD 0.4842
G-6B	ND	< LOD 0.4831	ND	< LOD 0.5013	ND	< LOD 0.4996	ND	< LOD 0.4879
G-7A	ND	< LOD 0.4919	ND	< LOD 0.4906	ND	< LOD 0.4938	ND	< LOD 0.4916
G-7B	ND	< LOD 0.4853	ND	< LOD 0.4918	ND	< LOD 0.4996	ND	< LOD 0.4980
SG-1A	ND	< LOD 0.4903	ND	< LOD 0.4902	ND	< LOD 0.4914	ND	< LOD 0.4911
SG-1B	ND	< LOD 0.9026	ND	< LOD 0.8999	ND	< LOD 0.9047	ND	< LOD 1.0765
SG-2A	ND	< LOD 0.4878	ND	< LOD 0.4888	ND	< LOD 0.4922	ND	< LOD 0.4878
SG-2B	ND	< LOD 0.4875	ND	< LOD 0.4925	ND	< LOD 0.4868	ND	< LOD 0.4792

Airborne Sample Data Analysis - Arsenic
NIOSH REL 2.0 micrograms/cubic meter Ceiling Limit
OSHA PEL 10.0 micrograms/cubic meter

Abrasives	@ Make-up Air Area		@ Operator Area		@ Exhaust Area		Operator 's Breathing Zone	
	Fixed Station #1		Fixed Station #2		Fixed Station #3		(OBZ)	
	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note
CG-01	ND	< LOD 4.12	ND	< LOD 4.17	ND	< LOD 4.13	ND	< LOD 4.14
CS-01	ND	< LOD 4.12	10	> LOQ 8.75	24.76	> LOQ 8.67	9.18	> LOQ 8.76
CS-02	ND	< LOD 4.16	ND	< LOD 4.18	10.41	> LOQ 8.75	ND	< LOD 4.17
CS-03	ND	< LOD 4.12	ND	< LOD 4.14	ND	< LOD 4.15	ND	< LOD 4.14
CS-04	ND	< LOD 4.11	ND	< LOD 4.19	ND	< LOD 4.14	ND	< LOD 4.12
CS-05	ND	< LOD 4.13	ND	< LOD 4.17	ND	< LOD 4.19	ND	< LOD 6.58
CS-06	ND	< LOD 1.04	2.09	< LOQ 3.56	3.31	< LOQ 3.52	2.08	< LOQ 3.54
CS-07	ND	< LOD 2.06	ND	< LOD 4.17	29.13	> LOQ 8.74	4.38	> LOQ 3.54
CSDS-01	ND	< LOD 4.15	ND	< LOD 4.17	ND	< LOD 4.15	ND	< LOD 4.16
CSDS-02	ND	< LOD 4.12	ND	< LOD 4.14	4.76	< LOQ 8.69	ND	< LOD 4.19
N-01	ND	< LOD 4.06	ND	< LOD 4.17	ND	< LOD 4.14	ND	< LOD 4.10
N-02	19.81	> LOQ 3.47	37.41	> LOQ 8.73	170.80	> LOQ 87.48	35.28	> LOQ 8.72
O-1	ND	< LOD 4.12	ND	< LOD 1.04	ND	< LOD 1.03	ND	< LOD 4.19
S-01	ND	< LOD 4.15	ND	< LOD 4.18	ND	< LOD 4.18	ND	< LOD 4.17
S-02	ND	< LOD 4.17	ND	< LOD 4.19	ND	< LOD 4.17	ND	< LOD 4.18
SH-01	ND	< LOD 4.18	ND	< LOD 4.18	ND	< LOD 4.15	ND	< LOD 4.16
SS-01	ND	< LOD 4.13	ND	< LOD 4.18	ND	< LOD 4.14	ND	< LOD 4.14
SS-02	ND	< LOD 4.16	ND	< LOD 4.17	ND	< LOD 4.14	ND	< LOD 4.11
SS-03	ND	< LOD 4.16	ND	< LOD 4.20	ND	< LOD 4.09	ND	< LOD 4.03
SS-04	ND	< LOD 4.18	ND	< LOD 4.19	ND	< LOD 4.18	ND	< LOD 4.12
SS-05	ND	< LOD 4.02	ND	< LOD 4.19	ND	< LOD 4.16	ND	< LOD 4.10
SS-06	ND	< LOD 2.03	2.07	< LOQ 3.52	6.92	< LOQ 8.81	ND	< LOD 4.18
SS-07	ND	< LOD 1.64	ND	< LOD 4.16	ND	< LOD 4.18	ND	< LOD 4.12
SSDS-01	ND	< LOD 4.12	ND	< LOD 4.18	ND	< LOD 4.12	ND	< LOD 4.14
SSDS-02	ND	< LOD 4.17	ND	< LOD 4.17	ND	< LOD 4.13	ND	< LOD 4.05
SSDS-03	ND	< LOD 4.04	ND	< LOD 3.97	ND	< LOD 3.98	ND	< LOD 4.14
CP-1A	5.98	< LOQ 8.66	18.64	> LOQ 8.70	29.05	> LOQ 8.72	17.18	> LOQ 8.80
CP-1B	11.55	> LOQ 9.90	14.28	> LOQ 10.00	75.35	> LOQ 49.45	14.84	> LOQ 10.06
CP-2A	6.6	> LOQ 3.51	16.73	> LOQ 12.13	99.54	> LOQ 24.89	45.7	> LOQ 3.53
CP-2B	14.87	> LOQ 11.98	10.23	> LOQ 3.55	80.81	> LOQ 7.05	8.21	< LOQ 8.84
CP-3A	51.63	> LOQ 7.02	196.12	> LOQ 35.47	1116.86	> LOQ 140.64	889.9	> LOQ 351.82
CP-3B	71.55	> LOQ 9.36	499.72	> LOQ 235.98	657.89	> LOQ 233.00	273.16	> LOQ 21.11
CP-4A	90.65	> LOQ 86.53	440.16	> LOQ 176.06	24484.80	> LOQ 5101.00	3693.07	> LOQ 512.93
CP-4B	125.87	> LOQ 67.93	350.73	> LOQ 175.37	577.44	> LOQ 5.16	79.56	< LOQ 85.68
CPDS-1A	9.53	> LOQ 7.30	11.55	< LOQ 11.96	107.37	> LOQ 26.84	ND	< LOD 4.10
CPDS-1B	8.29	> LOQ 5.05	11.17	> LOQ 5.17	75.79	> LOQ 10.24	14.61	> LOQ 3.40
G-1A	ND	< LOD 4.16	ND	< LOD 4.18	ND	< LOD 4.15	ND	< LOD 4.09
G-1B	ND	< LOD 4.14	ND	< LOD 4.22	ND	< LOD 4.15	ND	< LOD 4.15
G-2A	ND	< LOD 4.21	ND	< LOD 4.24	ND	< LOD 4.15	ND	< LOD 4.16
G-2B	ND	< LOD 4.10	ND	< LOD 4.15	ND	< LOD 4.18	ND	< LOD 4.12
G-3A	ND	< LOD 4.14	ND	< LOD 4.16	ND	< LOD 4.20	ND	< LOD 4.17
G-4A	ND	< LOD 4.06	ND	< LOD 4.13	ND	< LOD 4.11	ND	< LOD 4.15
G-4B	ND	< LOD 4.13	ND	< LOD 4.17	ND	< LOD 4.13	ND	< LOD 4.13
G-5A	ND	< LOD 4.12	ND	< LOD 4.15	ND	< LOD 4.16	ND	< LOD 4.18
G-5B	ND	< LOD 4.18	ND	< LOD 4.15	ND	< LOD 4.17	ND	< LOD 4.17
G-6A	ND	< LOD 4.16	ND	< LOD 4.18	ND	< LOD 4.16	ND	< LOD 4.14
G-6B	ND	< LOD 4.10	ND	< LOD 4.21	ND	< LOD 4.09	ND	< LOD 4.13
G-7A	ND	< LOD 1.03	ND	< LOD 1.04	2.09	< LOQ 3.55	ND	< LOD 4.19
G-7B	ND	< LOD 4.11	ND	< LOD 4.16	ND	< LOD 4.24	ND	< LOD 4.23
SG-1A	ND	< LOD 4.08	ND	< LOD 4.15	9.96	> LOQ 8.72	35.07	> LOQ 8.67
SG-1B	ND	< LOD 1.92	ND	< LOD 1.92	7.28	> LOQ 6.51	49.52	> LOQ 6.48
SG-2A	17.49	> LOQ 8.64	12.11	> LOQ 8.77	17.83	> LOQ 8.71	41.41	> LOQ 8.70
SG-2B	8.09	< LOQ 8.71	13.58	> LOQ 8.64	19.02	> LOQ 8.78	187.7	> LOQ 87.59

Airborne Sample Data Analysis - Beryllium

NIOSH REL 0.50 micrograms/cubic meter

OSHA PEL 2.0 micrograms/cubic meter

Abrasive	@ Make-up Air Area		@ Operator Area		@ Exhaust Area		Operator 's Breathing Zone	
	Fixed Station #1		Fixed Station #2		Fixed Station #3		(OBZ)	
	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note
CG-01	ND	< LOD 0.062	0.1	< LOQ 0.175	0.13	< LOQ 0.173	0.079	< LOQ 0.174
CS-01	0.618	> LOQ 0.173	2.292	> LOQ 0.179	10.11	> LOQ 0.867	1.92	> LOQ 0.179
CS-02	0.749	> LOQ 0.175	2.926	> LOQ 0.176	14.37	> LOQ 0.875	3.542	> LOQ 0.313
CS-03	0.351	> LOQ 0.173	2.071	> LOQ 0.311	4.77	> LOQ 0.174	1.822	> LOQ 0.174
CS-04	0.193	> LOQ 0.173	0.963	> LOQ 0.314	2.69	> LOQ 0.174	1.05	> LOQ 0.173
CS-05	0.31	> LOQ 0.206	1.419	> LOQ 0.209	3.35	> LOQ 0.176	1.874	> LOQ 0.329
CS-06	1.126	> LOQ 0.113	2.932	> LOQ 0.113	3.73	> LOQ 0.112	1.124	> LOQ 0.146
CS-07	1.936	> LOQ 0.183	6.255	> LOQ 1.751	24.97	> LOQ 1.748	3.962	> LOQ 0.146
CSDS-01	0.353	> LOQ 0.174	2.291	> LOQ 0.179	7.48	> LOQ 0.893	4.369	> LOQ 0.179
CSDS-02	0.659	> LOQ 0.173	2.481	> LOQ 0.174	3.93	> LOQ 0.178	3.558	> LOQ 0.180
N-01	ND	< LOD 0.061	ND	< LOD 0.063	0.11	< LOQ 0.174	ND	< LOD 0.061
N-02	0.174	> LOQ 0.143	0.353	> LOQ 0.175	1.73	> LOQ 0.175	0.498	> LOQ 0.174
O-1	ND	< LOD 0.006	ND	< LOD 0.042	0.08	< LOQ 0.111	0.121	< LOQ 0.209
S-01	ND	< LOD 0.062	ND	< LOD 0.063	0.29	> LOQ 0.175	ND	< LOD 0.063
S-02	ND	< LOD 0.063	0.115	< LOQ 0.176	0.14	< LOQ 0.179	ND	< LOD 0.063
SH-01	ND	< LOD 0.063	ND	< LOD 0.063	0.44	> LOQ 0.174	ND	< LOD 0.062
SS-01	ND	< LOD 0.062	0.069	< LOQ 0.180	ND	< LOD 0.062	0.097	< LOQ 0.178
SS-02	ND	< LOD 0.062	ND	< LOD 0.063	ND	< LOD 0.062	ND	< LOD 0.062
SS-03	ND	< LOD 0.062	ND	< LOD 0.105	ND	< LOD 0.102	ND	< LOD 0.060
SS-04	0.082	< LOQ 0.176	0.293	> LOQ 0.176	0.36	> LOQ 0.188	0.206	> LOQ 0.185
SS-05	ND	< LOD 0.060	0.132	< LOQ 0.176	0.27	> LOQ 0.187	0.184	> LOQ 0.172
SS-06	0.14	< LOQ 0.181	0.147	> LOQ 0.112	0.29	> LOQ 0.176	0.138	< LOQ 0.176
SS-07	0.115	< LOQ 0.205	0.139	< LOQ 0.175	0.29	> LOQ 0.175	0.089	< LOQ 0.173
SSDS-01	0.117	< LOQ 0.177	ND	< LOD 0.063	ND	< LOD 0.062	ND	< LOD 0.062
SSDS-02	ND	< LOD 0.104	0.142	< LOQ 0.175	0.31	> LOQ 0.173	0.14	< LOQ 0.170
SSDS-03	ND	< LOD 0.061	ND	< LOD 0.060	ND	< LOD 0.060	ND	< LOD 0.062
CP-1A	0.392	> LOQ 0.206	0.182	> LOQ 0.174	0.23	> LOQ 0.174	0.126	< LOQ 0.176
CP-1B	0.189	< LOQ 0.236	2.261	> LOQ 0.238	0.33	> LOQ 0.198	ND	< LOD 0.072
CP-2A	0.165	> LOQ 0.144	0.816	> LOQ 0.209	3.94	> LOQ 0.415	1.641	> LOQ 0.112
CP-2B	0.661	> LOQ 0.207	0.334	> LOQ 0.146	1.64	> LOQ 0.112	0.274	> LOQ 0.177
CP-3A	0.496	> LOQ 0.112	1.189	> LOQ 0.113	6.41	> LOQ 2.275	5.588	> LOQ 1.118
CP-3B	0.523	> LOQ 0.149	3.331	> LOQ 0.194	5.76	> LOQ 0.192	2.483	> LOQ 0.134
CP-4A	0.7	> LOQ 0.173	1.048	> LOQ 0.176	6.12	> LOQ 0.408	0.903	> LOQ 0.349
CP-4B	0.26	> LOQ 0.140	0.867	> LOQ 0.144	4.13	> LOQ 0.351	0.224	> LOQ 0.171
CPDS-1A	0.304	> LOQ 0.180	0.557	> LOQ 0.206	2.89	> LOQ 0.351	0.308	> LOQ 0.172
CPDS-1B	0.243	< LOQ 0.344	0.62	> LOQ 0.207	2.46	> LOQ 0.205	0.5	> LOQ 0.140
G-1A	ND	< LOD 0.104	ND	< LOD 0.063	0.07	< LOQ 0.174	ND	< LOD 0.102
G-1B	ND	< LOD 0.062	ND	< LOD 0.063	ND	< LOD 0.062	ND	< LOD 0.062
G-2A	ND	< LOD 0.105	0.142	< LOQ 0.178	0.25	< LOQ 0.311	0.117	< LOQ 0.175
G-2B	ND	< LOD 0.061	0.071	< LOQ 0.174	ND	< LOD 0.063	ND	< LOD 0.062
G-3A	ND	< LOD 0.062	0.069	< LOQ 0.175	0.09	< LOQ 0.189	ND	< LOD 0.063
G-4A	0.201	> LOQ 0.171	0.517	> LOQ 0.174	1.27	> LOQ 0.185	0.519	> LOQ 0.187
G-4B	0.269	> LOQ 0.174	0.771	> LOQ 0.208	0.72	> LOQ 0.207	0.558	> LOQ 0.207
G-5A	0.066	< LOQ 0.206	0.127	< LOQ 0.208	ND	< LOD 0.062	0.096	< LOQ 0.209
G-5B	ND	< LOD 0.063	0.11	< LOQ 0.174	0.19	< LOQ 0.208	ND	< LOD 0.063
G-6A	0.096	< LOQ 0.175	0.23	> LOQ 0.209	2.29	> LOQ 0.175	1.802	> LOQ 0.207
G-6B	0.129	< LOQ 0.172	0.154	< LOQ 0.211	0.18	> LOQ 0.172	0.537	> LOQ 0.206
G-7A	ND	< LOD 0.041	ND	< LOD 0.041	ND	< LOD 0.042	0.23	> LOQ 0.176
G-7B	0.082	< LOQ 0.173	ND	< LOD 0.062	ND	< LOD 0.064	ND	< LOD 0.063
SG-1A	ND	< LOD 0.061	ND	< LOD 0.062	ND	< LOD 0.062	ND	< LOD 0.062
SG-1B	ND	< LOD 0.077	ND	< LOD 0.077	ND	< LOD 0.077	ND	< LOD 0.076
SG-2A	0.515	> LOQ 0.173	0.2	> LOQ 0.175	ND	< LOD 0.062	0.352	> LOQ 0.174
SG-2B	ND	< LOD 0.062	ND	< LOD 0.062	ND	< LOD 0.063	ND	< LOD 0.063

Airborne Sample Data Analysis - Cadmium

NIOSH REL - Limit of Quantification (Lowest Feasible Concentration)
OSHA PEL 5.0 micrograms/cubic meter

Abrasive Type	@ Make-up Air Area		@ Operator Area		@ Exhaust Area		Operator's Breathing Zone	
	Fixed Station #1		Fixed Station #2		Fixed Station #3		(OBZ)	
	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note
CG-01	ND	< LOD 0.10	ND	< LOD 0.10	ND	< LOD 0.10	ND	< LOD 0.10
CS-01	ND	< LOD 0.14	ND	< LOD 0.15	ND	< LOD 0.14	0.25	< LOQ 0.52
CS-02	ND	< LOD 0.15	ND	< LOD 0.17	ND	< LOD 0.17	0.2	< LOQ 0.58
CS-03	ND	< LOD 0.14	ND	< LOD 0.17	0.25	< LOQ 0.50	0.37	< LOQ 0.50
CS-04	ND	< LOD 0.16	ND	< LOD 0.17	ND	< LOD 0.17	ND	< LOD 0.14
CS-05	ND	< LOD 0.10	0.16	< LOQ 0.35	ND	< LOD 0.10	1.35	> LOQ 0.56
CS-06	0.56	> LOQ 0.35	ND	< LOD 0.10	ND	< LOD 0.10	ND	< LOD 0.10
CS-07	ND	< LOD 0.10	0.25	< LOQ 0.40	1.21	> LOQ 0.40	2.71	> LOQ 0.35
CSDS-01	ND	< LOD 0.15	ND	< LOD 0.15	ND	< LOD 0.15	0.21	< LOQ 0.52
CSDS-02	ND	< LOD 0.14	ND	< LOD 0.14	ND	< LOD 0.14	ND	< LOD 0.15
N-01	ND	< LOD 0.08	ND	< LOD 0.08	ND	< LOD 0.08	ND	< LOD 0.08
N-02	10.21	> LOQ 1.74	0.52	> LOQ 0.39	1.56	> LOQ 0.40	0.64	> LOQ 0.39
O-1	ND	< LOD 0.08	ND	< LOD 0.10	ND	< LOD 0.10	ND	< LOD 0.08
S-01	ND	< LOD 0.15	ND	< LOD 0.15	ND	< LOD 0.15	0.23	< LOQ 0.52
S-02	ND	< LOD 0.15	ND	< LOD 0.15	ND	< LOD 0.15	ND	< LOD 0.15
SH-01	ND	< LOD 0.15	ND	< LOD 0.15	ND	< LOD 0.15	0.25	< LOQ 0.50
SS-01	ND	< LOD 0.14	ND	< LOD 0.15	ND	< LOD 0.14	1.99	> LOQ 0.52
SS-02	ND	< LOD 0.15	ND	< LOD 0.15	ND	< LOD 0.14	ND	< LOD 0.16
SS-03	ND	< LOD 0.15	ND	< LOD 0.17	ND	< LOD 0.16	ND	< LOD 0.14
SS-04	0.1	< LOQ 0.27	ND	< LOD 0.08	0.14	< LOQ 0.38	ND	< LOD 0.12
SS-05	ND	< LOD 0.08	ND	< LOD 0.08	ND	< LOD 0.12	0.12	< LOQ 0.27
SS-06	ND	< LOD 0.10	ND	< LOD 0.10	0.13	< LOQ 0.40	0.13	< LOQ 0.40
SS-07	ND	< LOD 0.21	ND	< LOD 0.12	0.17	< LOQ 0.40	ND	< LOD 0.12
SSDS-01	ND	< LOD 0.14	0.23	< LOQ 0.52	ND	< LOD 0.14	1.49	> LOQ 0.52
SSDS-02	ND	< LOD 0.17	ND	< LOD 0.17	ND	< LOD 0.14	ND	< LOD 0.16
SSDS-03	ND	< LOD 0.12	ND	< LOD 0.12	ND	< LOD 0.12	ND	< LOD 0.12
CP-1A	0.27	< LOQ 0.35	0.79	> LOQ 0.31	2.49	> LOQ 0.31	0.78	> LOQ 0.31
CP-1B	0.31	< LOQ 0.40	0.9	> LOQ 0.40	3.77	> LOQ 0.35	0.79	> LOQ 0.36
CP-2A	ND	< LOD 0.10	ND	< LOD 0.08	0.10	< LOQ 0.27	0.15	< LOQ 0.35
CP-2B	ND	< LOD 0.08	ND	< LOD 0.10	ND	< LOD 0.10	0.5	> LOQ 0.40
CP-3A	0.35	> LOQ 0.00	0.98	> LOQ 0.35	3.93	> LOQ 0.35	2.69	> LOQ 0.35
CP-3B	0.47	> LOQ 0.47	3.05	> LOQ 0.47	2.58	> LOQ 0.47	4.47	> LOQ 0.42
CP-4A	2.06	> LOQ 0.39	16.14	> LOQ 0.40	71.41	> LOQ 5.31	13.13	> LOQ 2.67
CP-4B	2.6	> LOQ 0.34	10.93	> LOQ 1.75	43.31	> LOQ 0.68	3.06	> LOQ 0.39
CPDS-1A	ND	< LOD 0.10	ND	< LOD 0.08	ND	< LOD 0.21	ND	< LOD 0.10
CPDS-1B	ND	< LOD 0.20	ND	< LOD 0.08	0.10	< LOQ 0.68	0.36	> LOQ 0.34
G-1A	ND	< LOD 0.17	ND	< LOD 0.15	ND	< LOD 0.17	0.7	> LOQ 0.57
G-1B	ND	< LOD 0.12	0.51	> LOQ 0.27	0.25	< LOQ 0.27	1.04	> LOQ 0.37
G-2A	ND	< LOD 0.17	ND	< LOD 0.17	0.29	< LOQ 0.58	0.73	> LOQ 0.58
G-2B	ND	< LOD 0.08	0.17	< LOQ 0.27	ND	< LOD 0.13	ND	< LOD 0.08
G-3A	ND	< LOD 0.08	0.14	< LOQ 0.27	0.48	> LOQ 0.38	1.65	> LOQ 0.38
G-4A	ND	< LOD 0.08	ND	< LOD 0.08	0.45	> LOQ 0.37	0.19	< LOQ 0.37
G-4B	ND	< LOD 0.10	0.11	< LOQ 0.35	0.18	< LOQ 0.35	0.12	< LOQ 0.35
G-5A	ND	< LOD 0.10	ND	< LOD 0.10	ND	< LOD 0.10	0.98	> LOQ 0.36
G-5B	ND	< LOD 0.10	ND	< LOD 0.10	0.15	< LOQ 0.35	0.16	< LOQ 0.31
G-6A	ND	< LOD 0.10	0.25	< LOQ 0.36	0.44	> LOQ 0.31	2.69	> LOQ 0.35
G-6B	ND	< LOD 0.10	0.12	< LOQ 0.36	0.14	< LOQ 0.31	ND	< LOD 0.10
G-7A	ND	< LOD 0.10	0.11	< LOQ 0.35	ND	< LOD 0.10	0.59	> LOQ 0.40
G-7B	ND	< LOD 0.12	ND	< LOD 0.12	ND	< LOD 0.13	ND	< LOD 0.13
SG-1A	ND	< LOD 0.08	ND	< LOD 0.08	ND	< LOD 0.08	0.56	> LOQ 0.37
SG-1B	ND	< LOD 0.19	ND	< LOD 0.19	ND	< LOD 0.19	ND	< LOD 0.19
SG-2A	ND	< LOD 0.10	ND	< LOD 0.10	ND	< LOD 0.10	ND	< LOD 0.10
SG-2B	ND	< LOD 0.12	ND	< LOD 0.12	ND	< LOD 0.13	1.77	> LOQ 0.40

Airborne Sample Data Analysis - Lead
NIOSH REL 100.0 micrograms/cubic meter
OSHA PEL 50.0 micrograms/cubic meter

Abrasive Type	@ Make-up Air Area		@ Operator Area		@ Exhaust Area		Operator's Breathing Zone	
	Fixed Station #1		Fixed Station #2		Fixed Station #3		(OBZ)	
	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note
CG-01	3.91	< LOQ 5.15	15	> LOQ 5.21	26.82	> LOQ 5.16	13.87	> LOQ 5.17
CS-01	2.27	< LOQ 5.15	5.42	> LOQ 5.21	10.52	> LOQ 5.16	3.96	< LOQ 5.22
CS-02	ND	< LOD 4.16	7.53	< LOQ 8.78	33.33	> LOQ 8.75	11.46	> LOQ 8.75
CS-03	ND	< LOD 4.12	ND	< LOD 4.14	11.41	> LOQ 8.71	4.97	< LOQ 8.70
CS-04	ND	< LOD 4.11	ND	< LOD 4.19	ND	< LOD 4.14	ND	< LOD 4.12
CS-05	ND	< LOD 1.65	1.94	< LOQ 5.22	5.02	< LOQ 5.23	ND	< LOD 2.63
CS-06	ND	< LOD 1.67	2.51	< LOQ 5.45	4.35	< LOQ 5.38	2.29	< LOQ 5.41
CS-07	3.71	< LOQ 5.35	7.92	> LOQ 5.21	35.37	> LOQ 5.20	10.22	> LOQ 5.42
CSDS-01	ND	< LOD 1.66	3.12	< LOQ 5.21	12.67	> LOQ 5.19	3.12	< LOQ 5.20
CSDS-02	ND	< LOD 1.65	88.92	> LOQ 5.17	4.14	< LOQ 5.17	2.3	< LOQ 5.23
N-01	ND	< LOD 1.63	ND	< LOD 1.67	2.28	< LOQ 5.17	1.82	< LOQ 5.12
N-02	5.11	< LOQ 5.31	13.72	> LOQ 5.20	49.99	> LOQ 5.21	14.11	> LOQ 5.19
O-1	ND	< LOD 4.12	2	< LOQ 5.43	ND	< LOD 1.64	ND	< LOD 4.19
S-01	ND	< LOD 1.66	4.8	< LOQ 5.22	25.05	> LOQ 5.22	9.39	> LOQ 5.22
S-02	2.92	< LOQ 5.21	15.08	> LOQ 5.23	33.33	> LOQ 5.21	8.56	> LOQ 5.22
SH-01	ND	< LOD 4.18	ND	< LOD 4.18	ND	< LOD 4.15	ND	< LOD 4.16
SS-01	ND	< LOD 1.65	3.76	< LOQ 5.22	4.76	< LOQ 5.17	4.14	< LOQ 5.18
SS-02	8.31	< LOQ 8.73	ND	< LOD 4.17	10.35	> LOQ 8.69	ND	< LOD 4.11
SS-03	ND	< LOD 4.16	ND	< LOD 4.20	ND	< LOD 4.09	ND	< LOD 4.03
SS-04	ND	< LOD 1.67	3.35	< LOQ 5.23	5.23	< LOQ 6.07	3.09	< LOQ 5.97
SS-05	ND	< LOD 1.61	2.31	< LOQ 5.24	4.36	< LOQ 6.03	5.94	> LOQ 5.12
SS-06	ND	< LOD 1.63	1.89	< LOQ 5.39	3.98	< LOQ 5.24	1.71	< LOQ 5.23
SS-07	ND	< LOD 4.10	4.16	< LOQ 5.19	7.73	> LOQ 5.22	3.09	< LOQ 5.16
SSDS-01	ND	< LOD 1.65	ND	< LOD 1.67	2.06	< LOQ 5.16	1.95	< LOQ 5.17
SSDS-02	ND	< LOD 4.17	ND	< LOD 4.17	4.95	< LOQ 8.67	ND	< LOD 4.05
SSDS-03	ND	< LOD 1.82	0.18	< LOQ 5.76	ND	< LOD 1.79	ND	< LOD 1.86
CP-1A	7.84	> LOQ 5.16	20.71	> LOQ 5.18	56.03	> LOQ 26.98	23.04	> LOQ 5.24
CP-1B	8.96	> LOQ 5.89	23.08	> LOQ 5.95	87.12	> LOQ 30.61	21.55	> LOQ 5.99
CP-2A	ND	< LOD 1.65	ND	< LOD 4.18	9.75	< LOQ 10.99	3.74	< LOQ 5.40
CP-2B	1.76	< LOQ 3.92	ND	< LOD 1.67	3.52	< LOQ 5.39	2	< LOQ 5.26
CP-3A	140.44	> LOQ 53.70	459	> LOQ 54.25	2275.08	> LOQ 537.75	1593.54	> LOQ 206.95
CP-3B	165.11	> LOQ 71.55	971.68	> LOQ 144.36	1589.91	> LOQ 274.12	620.81	> LOQ 64.56
CP-4A	391.43	> LOQ 103.01	2515.2	> LOQ 2096.00	120383.60	> LOQ 108141.20	2462.04	> LOQ 1087.40
CP-4B	499.5	> LOQ 103.90	1753.66	> LOQ 268.21	2474.74	> LOQ 10.93	550.8	> LOQ 102.00
CPDS-1A	9.32	> LOQ 5.27	ND	< LOD 4.12	15.07	> LOQ 10.94	ND	< LOD 1.64
CPDS-1B	ND	< LOD 4.04	6.62	< LOQ 10.96	14.13	> LOQ 10.86	10.41	> LOQ 5.20
G-1A	ND	< LOD 4.16	ND	< LOD 4.18	ND	< LOD 4.15	ND	< LOD 4.09
G-1B	ND	< LOD 1.86	ND	< LOD 1.69	1.70	< LOQ 5.19	ND	< LOD 1.87
G-2A	ND	< LOD 4.21	ND	< LOD 4.24	8.71	> LOQ 0.00	ND	< LOD 4.16
G-2B	ND	< LOD 1.64	ND	< LOD 1.66	ND	< LOD 1.88	ND	< LOD 1.65
G-3A	ND	< LOD 1.65	ND	< LOD 1.66	2.10	< LOQ 6.09	ND	< LOD 1.88
G-4A	ND	< LOD 1.62	3.31	< LOQ 5.17	7.19	> LOQ 5.96	3.11	< LOQ 6.02
G-4B	ND	< LOD 1.65	2.71	< LOQ 5.21	5.17	> LOQ 5.17	2.48	< LOQ 5.16
G-5A	ND	< LOD 1.65	ND	< LOD 1.66	4.37	< LOQ 5.20	1.82	< LOQ 5.23
G-5B	ND	< LOD 1.67	2.49	< LOQ 5.19	0.35	< LOQ 5.21	ND	< LOD 1.67
G-6A	2.04	< LOQ 5.20	7.73	> LOQ 5.23	13.32	> LOQ 5.20	7.04	> LOQ 5.18
G-6B	ND	< LOD 1.64	8.22	> LOQ 5.27	11.04	> LOQ 5.11	3.92	< LOQ 5.16
G-7A	ND	< LOD 1.65	ND	< LOD 1.66	2.50	< LOQ 5.42	2.3	< LOQ 5.24
G-7B	ND	< LOD 1.64	ND	< LOD 1.66	2.97	< LOQ 5.30	2.54	< LOQ 5.29
SG-1A	ND	< LOD 1.63	ND	< LOD 1.66	ND	< LOD 1.66	ND	< LOD 1.86
SG-1B	ND	< LOD 3.07	ND	< LOD 3.07	ND	< LOD 3.07	ND	< LOD 3.05
SG-2A	5.15	> LOQ 0.00	4.38	< LOQ 5.22	8.91	> LOQ 5.18	28.99	> LOQ 5.18
SG-2B	1.97	< LOQ 5.19	0.39	< LOQ 5.15	8.99	> LOQ 5.23	45.88	> LOQ 5.21

Airborne Sample Data Analysis - Aluminum

NIOSH REL 10000.0 micrograms/cubic meter

OSHA PEL 15000.0 micrograms/cubic meter

	@ Make-up Air Area		@ Operator Area		@ Exhaust Area		Operator 's Breathing Zone	
Abrasive	Fixed Station #1		Fixed Station #2		Fixed Station #3		(OBZ)	
Type	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note
CG-01	ND	< LOD 20.59	127.08	> LOQ 72.92	121.72	> LOQ 72.21	134.55	> LOQ 72.45
CS-01	8650.88	> LOQ 72.09	27083.33	> LOQ 72.92	125851.04	> LOQ 72.21	27128.55	> LOQ 73.04
CS-02	11439.27	> LOQ 72.80	33444.82	> LOQ 73.16	143720.06	> LOQ 72.90	52094.19	> LOQ 72.93
CS-03	9692.72	> LOQ 72.18	41416.44	> LOQ 72.48	153463.29	> LOQ 72.58	41416.44	> LOQ 72.48
CS-04	5348.69	> LOQ 72.00	19254.92	> LOQ 73.25	51770.55	> LOQ 72.48	26759.98	> LOQ 72.05
CS-05	4128.82	> LOQ 72.25	17316.92	> LOQ 73.02	43951.44	> LOQ 73.25	22689.9	> LOQ 115.09
CS-06	18557.13	> LOQ 72.98	48167.54	> LOQ 73.30	55889.05	> LOQ 72.45	35387.18	> LOQ 72.86
CS-07	19357.5	> LOQ 72.08	50041.7	> LOQ 72.98	228880.57	> LOQ 72.83	45871.56	> LOQ 72.98
CSDS-01	70598.01	> LOQ 72.67	37492.19	> LOQ 72.90	116279.07	> LOQ 72.67	56168.09	> LOQ 72.81
CSDS-02	8860.5	> LOQ 72.12	33085.19	> LOQ 72.37	132477.75	> LOQ 72.45	46044.37	> LOQ 73.25
N-01	589.31	> LOQ 71.12	2919.1	> LOQ 72.98	11589.40	> LOQ 72.43	5942.62	> LOQ 71.72
N-02	8578.43	> LOQ 71.49	16836.42	> LOQ 72.75	77067.28	> LOQ 72.90	14318.32	> LOQ 72.63
O-1	267.71	> LOQ 72.08	375.86	> LOQ 73.08	1130.06	> LOQ 71.91	544.16	> LOQ 73.25
S-01	228.41	> LOQ 72.67	605.55	> LOQ 73.08	6263.05	> LOQ 73.07	1043.19	> LOQ 73.02
S-02	291.79	> LOQ 72.95	2010.05	> LOQ 73.28	2500.00	> LOQ 72.92	814.37	> LOQ 73.08
SH-01	83.54	> LOQ 73.10	162.98	> LOQ 73.13	393.86	> LOQ 72.55	147.67	> LOQ 72.80
SS-01	412.88	> LOQ 72.25	2505.22	> LOQ 73.07	2481.90	> LOQ 72.39	2484.47	> LOQ 72.46
SS-02	727.2	> LOQ 72.72	3545.36	> LOQ 72.99	3311.26	> LOQ 72.43	3496.5	> LOQ 71.99
SS-03	122.79	> LOQ 72.84	378.15	> LOQ 73.53	1185.12	> LOQ 71.52	463.62	> LOQ 70.55
SS-04	1024.89	> LOQ 73.21	5441.61	> LOQ 73.25	7740.59	> LOQ 73.22	4939.29	> LOQ 72.03
SS-05	261.15	> LOQ 70.31	1174.5	> LOQ 73.41	2702.14	> LOQ 72.75	2049.6	> LOQ 71.74
SS-06	1992.27	> LOQ 71.15	4973.06	> LOQ 72.52	33.56	< LOQ 73.41	2717.96	> LOQ 73.18
SS-07	1045.94	> LOQ 71.78	2493.25	> LOQ 72.72	7102.57	> LOQ 73.11	1175.5	> LOQ 72.18
SSDS-01	349.94	> LOQ 72.05	1839.46	> LOQ 73.16	2887.19	> LOQ 72.18	2483.44	> LOQ 72.43
SSDS-02	770.99	> LOQ 72.93	2916.67	> LOQ 72.92	7016.10	> LOQ 72.22	4253.6	> LOQ 70.89
SSDS-03	42.44	> LOQ 70.74	186.69	> LOQ 69.51	238.85	> LOQ 69.67	227.93	> LOQ 72.52
CP-1A	515.57	> LOQ 72.18	2485.5	> LOQ 72.49	3320.19	> LOQ 72.63	1571.01	> LOQ 73.31
CP-1B	1013.67	> LOQ 82.51	1404.09	> LOQ 83.29	7063.81	> LOQ 82.41	1340.68	> LOQ 83.79
CP-2A	8458.84	> LOQ 72.21	25094.1	> LOQ 73.19	157610.95	> LOQ 145.17	60240.96	> LOQ 72.70
CP-2B	24788.27	> LOQ 72.30	13987.47	> LOQ 73.07	58019.06	> LOQ 72.52	10940.46	> LOQ 73.64
CP-3A	7434.94	> LOQ 72.28	20029.21	> LOQ 73.02	113753.88	> LOQ 72.39	97268.21	> LOQ 72.43
CP-3B	9906.44	> LOQ 96.31	58300.94	> LOQ 97.17	84978.07	> LOQ 95.94	32282.1	> LOQ 86.91
CP-4A	3296.25	> LOQ 72.11	15510.38	> LOQ 73.36	81616.00	> LOQ 142.83	16413.62	> LOQ 71.81
CP-4B	3196.8	> LOQ 69.93	10934.6	> LOQ 72.21	55681.58	> LOQ 144.36	3059.98	> LOQ 71.40
CPDS-1A	11552.49	> LOQ 70.94	19385.44	> LOQ 72.18	144538.51	> LOQ 72.27	53311.46	> LOQ 71.77
CPDS-1B	13748.48	> LOQ 70.76	22750.78	> LOQ 72.39	118803.77	> LOQ 71.69	18614.89	> LOQ 70.06
G-1A	1703.72	> LOQ 72.72	6893.67	> LOQ 73.11	22835.79	> LOQ 72.66	17174.4	> LOQ 71.56
G-1B	1035.63	> LOQ 72.49	9708.74	> LOQ 73.87	12040.69	> LOQ 72.66	13065.12	> LOQ 72.58
G-2A	1053.74	> LOQ 73.76	7003.4	> LOQ 74.28	10364.84	> LOQ 72.55	4371.36	> LOQ 72.86
G-2B	1496.21	> LOQ 71.74	13078.68	> LOQ 72.66	7738.97	> LOQ 73.21	2678.2	> LOQ 72.11
G-3A	3103.02	> LOQ 72.40	9561.42	> LOQ 72.75	35676.81	> LOQ 73.45	3750.78	> LOQ 72.93
G-4A	12997.56	> LOQ 71.08	13024.6	> LOQ 72.36	98623.38	> LOQ 71.91	26993.36	> LOQ 72.67
G-4B	3307.15	> LOQ 72.34	31243.49	> LOQ 72.90	53741.22	> LOQ 72.34	26848.41	> LOQ 72.28
G-5A	1193.91	> LOQ 72.05	5396.43	> LOQ 72.64	19771.07	> LOQ 72.84	29270.33	> LOQ 73.18
G-5B	3132.83	> LOQ 73.10	13496.68	> LOQ 72.67	45852.44	> LOQ 72.95	5834.55	> LOQ 72.93
G-6A	8523.91	> LOQ 72.77	41806.02	> LOQ 73.16	87390.76	> LOQ 72.83	14495.75	> LOQ 72.48
G-6B	1558.65	> LOQ 71.78	19599.58	> LOQ 73.76	13900.25	> LOQ 71.55	18159.31	> LOQ 72.22
G-7A	3713.64	> LOQ 72.21	8502.7	> LOQ 72.58	22945.35	> LOQ 73.01	5654.45	> LOQ 73.30
G-7B	2670.5	> LOQ 71.90	4993.76	> LOQ 72.83	10814.25	> LOQ 74.22	2750.16	> LOQ 74.04
SG-1A	95.96	> LOQ 71.46	130.71	> LOQ 72.61	180.57	> LOQ 72.64	146.48	> LOQ 72.21
SG-1B	69.18	< LOQ 134.51	157.57	> LOQ 134.51	137.93	> LOQ 134.10	240	< LOQ 685.71
SG-2A	370.45	> LOQ 72.03	396.66	> LOQ 73.07	393.86	> LOQ 145.11	1511.39	> LOQ 144.93
SG-2B	89.21	> LOQ 72.61	203.75	> LOQ 72.03	418.06	> LOQ 73.16	2085.51	> LOQ 375.39

Airborne Sample Data Analysis - Barium
 NIOSH REL 500.0 micrograms/cubic meter
 OSHA PEL 500.0 micrograms/cubic meter

Abrasive	@ Make-up Air Area		@ Operator Area		@ Exhaust Area		Operator 's Breathing Zone	
	Fixed Station #1		Fixed Station #2		Fixed Station #3		(OBZ)	
	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note
CG-01	ND	< LOD 1.03	1.21	< LOQ 3.54	1.77	< LOQ 3.51	1.28	< LOQ 3.52
CS-01	47.37	> LOQ 3.50	143.75	> LOQ 3.54	618.94	> LOQ 3.51	141.9	> LOQ 3.55
CS-02	58.24	> LOQ 3.54	169.31	> LOQ 3.55	666.53	> LOQ 3.54	250.05	> LOQ 3.54
CS-03	288.72	> LOQ 3.51	1263.2	> LOQ 3.52	4562.42	> LOQ 3.53	1263.2	> LOQ 3.52
CS-04	61.72	> LOQ 3.50	209.29	> LOQ 3.56	579.83	> LOQ 3.52	288.18	> LOQ 3.50
CS-05	19.82	> LOQ 3.51	83.46	> LOQ 3.55	209.29	> LOQ 3.56	105.23	> LOQ 5.59
CS-06	77.15	> LOQ 3.54	194.76	> LOQ 3.56	227.70	> LOQ 3.52	145.71	> LOQ 3.54
CS-07	350.08	> LOQ 3.50	917.43	> LOQ 3.54	3953.39	> LOQ 3.54	771.48	> LOQ 3.54
CSDS-01	29.07	> LOQ 3.53	152.05	> LOQ 3.54	456.81	> LOQ 3.53	228.83	> LOQ 3.54
CSDS-02	47.39	> LOQ 3.50	177.83	> LOQ 3.52	620.99	> LOQ 3.52	230.22	> LOQ 3.56
N-01	2.64	< LOQ 3.45	11.88	> LOQ 3.54	41.39	> LOQ 3.52	22.54	> LOQ 3.48
N-02	81.7	> LOQ 3.47	155.89	> LOQ 3.53	687.36	> LOQ 3.54	134.88	> LOQ 3.53
O-1	1.36	< LOQ 3.50	3.97	> LOQ 3.55	5.34	> LOQ 3.49	3.56	> LOQ 3.56
S-01	1.1	< LOQ 3.53	3.13	< LOQ 3.55	14.61	> LOQ 3.55	5.01	> LOQ 3.55
S-02	2	< LOQ 3.54	10.68	> LOQ 3.56	22.92	> LOQ 3.54	6.89	> LOQ 3.55
SH-01	1.42	< LOQ 3.55	3.34	< LOQ 3.55	16.38	> LOQ 3.52	2.91	< LOQ 3.54
SS-01	1.24	< LOQ 3.51	5.01	> LOQ 3.55	6.41	> LOQ 3.52	6.83	> LOQ 3.52
SS-02	8.93	> LOQ 3.53	22.94	> LOQ 3.55	39.32	> LOQ 3.52	24.68	> LOQ 3.50
SS-03	ND	< LOD 1.04	1.47	< LOQ 3.57	2.04	< LOQ 3.47	1.79	< LOQ 3.43
SS-04	8.78	> LOQ 1.04	35.58	> LOQ 3.56	46.03	> LOQ 3.56	32.93	> LOQ 3.50
SS-05	ND	< LOD 1.00	2.1	< LOQ 3.57	4.16	> LOQ 3.53	3.89	> LOQ 3.48
SS-06	20.33	> LOQ 3.46	49.73	> LOQ 3.52	8.81	> LOQ 3.57	37.63	> LOQ 3.55
SS-07	20.51	> LOQ 3.49	58.18	> LOQ 3.53	83.56	> LOQ 3.55	33	> LOQ 3.51
SSDS-01	ND	< LOD 1.03	4.18	> LOQ 3.55	5.77	> LOQ 3.51	4.97	> LOQ 3.52
SSDS-02	6.46	> LOQ 3.54	22.92	> LOQ 3.54	43.33	> LOQ 3.51	44.56	> LOQ 3.44
SSDS-03	ND	< LOD 1.01	ND	< LOD 0.99	ND	< LOD 1.00	ND	< LOD 1.04
CP-1A	5.16	> LOQ 3.51	22.78	> LOQ 3.52	33.20	> LOQ 3.53	17.8	> LOQ 3.56
CP-1B	10.37	> LOQ 4.01	14.99	> LOQ 4.05	61.22	> LOQ 4.00	14.36	> LOQ 4.07
CP-2A	105.22	> LOQ 3.51	271.85	> LOQ 3.55	1576.11	> LOQ 7.05	623.18	> LOQ 3.53
CP-2B	268.54	> LOQ 3.51	152.4	> LOQ 3.55	600.91	> LOQ 3.52	130.44	> LOQ 3.58
CP-3A	598.93	> LOQ 3.51	1460.46	> LOQ 3.55	8686.66	> LOQ 3.52	7657.28	> LOQ 3.52
CP-3B	853.05	> LOQ 4.68	4719.6	> LOQ 4.72	6578.95	> LOQ 4.66	2731.56	> LOQ 4.22
CP-4A	535.64	> LOQ 3.50	1823.52	> LOQ 3.56	9997.96	> LOQ 6.94	2031.19	> LOQ 3.49
CP-4B	439.56	> LOQ 3.40	1382.3	> LOQ 3.51	7217.98	> LOQ 7.01	367.2	> LOQ 3.47
CPDS-1A	125.66	> LOQ 3.45	226.85	> LOQ 3.51	1445.39	> LOQ 3.51	533.11	> LOQ 3.49
CPDS-1B	149.62	> LOQ 3.44	248.19	> LOQ 3.52	1229.00	> LOQ 3.48	200.16	> LOQ 3.40
G-1A	1.7	< LOQ 3.53	6.48	> LOQ 3.55	9.76	> LOQ 3.53	4.7	> LOQ 3.48
G-1B	ND	< LOD 1.04	2.32	< LOQ 3.59	3.32	< LOQ 3.53	1.93	< LOQ 3.53
G-2A	1.24	< LOQ 3.58	5.94	> LOQ 3.61	6.22	> LOQ 3.52	6.87	> LOQ 3.54
G-2B	ND	< LOD 1.02	2.28	< LOQ 3.53	1.63	< LOQ 3.56	ND	< LOD 1.03
G-3A	ND	< LOD 1.03	1.85	< LOQ 3.53	2.94	< LOQ 3.57	1.35	< LOQ 3.54
G-4A	3.25	< LOQ 3.45	5.38	> LOQ 3.51	20.55	> LOQ 3.49	8.1	> LOQ 3.53
G-4B	1.32	< LOQ 3.51	6.87	> LOQ 3.54	13.23	> LOQ 3.51	5.78	> LOQ 3.51
G-5A	ND	< LOD 1.03	1.58	< LOQ 3.53	3.12	< LOQ 3.54	2.09	< LOQ 3.55
G-5B	ND	< LOD 1.04	1.04	< LOQ 3.53	2.29	< LOQ 3.54	1.08	< LOQ 3.54
G-6A	7.69	> LOQ 3.53	45.99	> LOQ 3.55	43.70	> LOQ 3.54	39.35	> LOQ 3.52
G-6B	7.59	> LOQ 3.49	31.61	> LOQ 3.58	112.43	> LOQ 3.48	17.95	> LOQ 3.51
G-7A	1.09	< LOQ 3.51	4.77	> LOQ 3.53	7.51	> LOQ 3.55	3.77	> LOQ 3.56
G-7B	1.23	< LOQ 3.49	2.08	< LOQ 3.54	3.82	> LOQ 3.60	3.81	> LOQ 3.60
SG-1A	1.55	< LOQ 3.47	1.58	< LOQ 3.53	3.32	< LOQ 3.53	15.06	> LOQ 3.51
SG-1B	ND	< LOD 1.92	ND	< LOD 1.92	ND	< LOD 1.92	20.95	< LOQ 32.38
SG-2A	2.26	< LOQ 3.50	2.51	< LOQ 3.55	3.52	> LOQ 3.52	11.59	> LOQ 7.04
SG-2B	1.62	< LOQ 3.53	2.68	< LOQ 3.50	3.76	> LOQ 3.55	18.35	> LOQ 17.73

Airborne Sample Data Analysis - Calcium

NIOSH REL 10000.0 micrograms/cubic meter

OSHA PEL 15000.0 micrograms/cubic meter

Abrasive Type	@ Make-up Air Area		@ Operator Area		@ Exhaust Area		Operator 's Breathing Zone	
	Fixed Station #1		Fixed Station #2		Fixed Station #3		(OBZ)	
	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note
CG-01	288.3	> LOQ 154.45	3125	> LOQ 156.25	4951.52	> LOQ 154.73	1655.97	> LOQ 155.25
CS-01	18331.62	> LOQ 154.48	54166.67	> LOQ 156.25	247575.82	> LOQ 154.73	54257.1	> LOQ 156.51
CS-02	6239.6	> LOQ 155.99	22993.31	> LOQ 156.77	106227.87	> LOQ 156.22	35424.05	> LOQ 156.28
CS-03	10930.09	> LOQ 154.67	47628.91	> LOQ 155.31	174201.58	> LOQ 311.07	47628.91	> LOQ 155.31
CS-04	4525.82	> LOQ 154.29	15906.24	> LOQ 156.97	43487.26	> LOQ 155.31	20584.6	> LOQ 154.38
CS-05	1218	> LOQ 154.83	4381.39	> LOQ 156.48	10673.92	> LOQ 156.97	5919.11	> LOQ 246.63
CS-06	5629.69	> LOQ 156.38	13821.99	> LOQ 157.07	16973.71	> LOQ 155.25	10199.83	> LOQ 156.12
CS-07	7413.51	> LOQ 154.45	22935.78	> LOQ 156.38	99875.16	> LOQ 156.05	17723.1	> LOQ 156.38
CSDS-01	2014.12	> LOQ 155.73	10831.08	> LOQ 156.22	33222.59	> LOQ 155.73	15810.28	> LOQ 156.02
CSDS-02	19163.4	> LOQ 154.54	74441.69	> LOQ 155.09	289795.07	> LOQ 155.25	104646.3	> LOQ 156.97
N-01	447.06	> LOQ 152.41	1980.82	> LOQ 156.38	6622.52	> LOQ 155.22	3688.52	> LOQ 153.69
N-02	4697.71	> LOQ 153.19	9561.42	> LOQ 155.89	43740.89	> LOQ 156.22	9130.53	> LOQ 155.63
O-1	152.39	< LOQ 154.45	375.86	> LOQ 156.61	493.12	> LOQ 154.10	523.23	> LOQ 156.97
S-01	155.73	> LOQ 155.73	204.64	> LOQ 156.61	459.29	> LOQ 156.58	292.09	> LOQ 156.48
S-02	95.87	< LOQ 156.32	293.13	> LOQ 157.04	375.00	> LOQ 156.25	250.57	> LOQ 156.61
SH-01	133.67	< LOQ 156.64	208.94	> LOQ 156.71	16.38	> LOQ 155.47	178.87	> LOQ 155.99
SS-01	64	< LOQ 154.83	123.17	< LOQ 156.58	126.16	< LOQ 155.12	269.15	> LOQ 155.28
SS-02	249.32	> LOQ 155.83	458.81	> LOQ 156.41	475.99	> LOQ 155.22	658.17	> LOQ 154.26
SS-03	ND	< LOD 62.43	189.08	> LOQ 157.56	200.25	> LOQ 153.25	221.73	> LOQ 151.18
SS-04	1547.79	> LOQ 156.87	9836.75	> LOQ 156.97	11715.48	> LOQ 156.90	9055.36	> LOQ 154.35
SS-05	ND	< LOD 60.27	69.21	< LOQ 157.30	168.36	> LOQ 155.89	133.22	< LOQ 153.72
SS-06	569.22	> LOQ 152.47	1367.59	> LOQ 155.41	482.38	> LOQ 157.30	899.02	> LOQ 156.81
SS-07	471.7	> LOQ 153.81	1745.27	> LOQ 155.83	4804.68	> LOQ 156.67	1299.24	> LOQ 154.67
SSDS-01	86.46	< LOQ 154.38	175.59	> LOQ 156.77	202.10	> LOQ 154.67	180.05	> LOQ 155.22
SSDS-02	1687.85	> LOQ 156.28	6458.33	> LOQ 156.25	17333.88	> LOQ 154.77	5468.91	> LOQ 151.91
SSDS-03	68.71	< LOQ 151.58	119.17	< LOQ 148.96	151.27	> LOQ 149.28	147.12	< LOQ 155.41
CP-1A	1257.99	> LOQ 154.67	6628	> LOQ 155.34	8092.97	> LOQ 155.63	3560.96	> LOQ 157.10
CP-1B	2593.12	> LOQ 176.80	2855.78	> LOQ 178.49	17894.98	> LOQ 176.60	2633.47	> LOQ 179.55
CP-2A	33010.11	> LOQ 154.73	102467.59	> LOQ 156.84	642886.77	> LOQ 311.07	249272.95	> LOQ 155.80
CP-2B	99153.07	> LOQ 154.93	56367.43	> LOQ 156.58	207210.94	> LOQ 155.41	44182.62	> LOQ 157.80
CP-3A	22717.89	> LOQ 154.89	73023.16	> LOQ 156.48	310237.85	> LOQ 155.12	310430.46	> LOQ 155.22
CP-3B	35773.25	> LOQ 206.38	183231.54	> LOQ 208.22	274122.81	> LOQ 205.59	106779.24	> LOQ 186.24
CP-4A	8652.66	> LOQ 154.51	39823.94	> LOQ 157.20	204039.99	> LOQ 306.06	41034.06	> LOQ 153.88
CP-4B	7792.21	> LOQ 149.85	28883.85	> LOQ 154.73	142297.38	> LOQ 309.34	8363.93	> LOQ 153.00
CPDS-1A	46615.32	> LOQ 152.01	80428.95	> LOQ 154.67	598802.40	> LOQ 154.86	225548.49	> LOQ 153.78
CPDS-1B	58633.24	> LOQ 151.64	99276.11	> LOQ 155.12	471118.39	> LOQ 153.63	74059.25	> LOQ 150.12
G-1A	394.76	> LOQ 155.83	1671.19	> LOQ 156.67	6850.74	> LOQ 155.70	2453.49	> LOQ 153.34
G-1B	200.91	> LOQ 155.34	1245.25	> LOQ 158.29	1826.86	> LOQ 155.70	1472.42	> LOQ 155.54
G-2A	191.78	> LOQ 158.06	933.79	> LOQ 159.17	1471.81	> LOQ 155.47	770.19	> LOQ 156.12
G-2B	200.86	> LOQ 153.72	1432.43	> LOQ 155.70	1087.64	> LOQ 156.87	350.23	> LOQ 154.51
G-3A	351.68	> LOQ 155.15	976.93	> LOQ 155.89	3357.82	> LOQ 157.40	500.1	> LOQ 156.28
G-4A	2843.22	> LOQ 152.32	3101.1	> LOQ 155.05	20546.54	> LOQ 154.10	5813.95	> LOQ 155.73
G-4B	806.12	> LOQ 155.02	6873.57	> LOQ 156.22	12195.12	> LOQ 155.02	5782.73	> LOQ 154.89
G-5A	741.05	> LOQ 154.38	2013.28	> LOQ 155.67	6659.73	> LOQ 156.09	4390.55	> LOQ 156.81
G-5B	543.02	> LOQ 156.64	2491.69	> LOQ 155.73	6252.61	> LOQ 156.32	1521.15	> LOQ 156.28
G-6A	3326.4	> LOQ 155.93	16722.41	> LOQ 156.77	31210.99	> LOQ 156.05	6212.47	> LOQ 155.31
G-6B	738.31	> LOQ 153.81	7376.19	> LOQ 158.06	5928.05	> LOQ 153.31	6809.74	> LOQ 154.77
G-7A	70146.48	> LOQ 154.73	163832.43	> LOQ 155.54	438047.56	> LOQ 156.45	125654.45	> LOQ 157.07
G-7B	51355.79	> LOQ 154.07	112359.55	> LOQ 156.05	254452.93	> LOQ 159.03	55003.17	> LOQ 158.66
SG-1A	116.37	< LOQ 153.12	394.19	> LOQ 155.60	684.93	> LOQ 155.67	392	> LOQ 154.73
SG-1B	146.04	< LOQ 288.24	188.32	< LOQ 288.24	130.27	< LOQ 287.36	571.43	< LOQ 1447.62
SG-2A	61.74	< LOQ 154.35	121.09	< LOQ 156.58	116.09	< LOQ 155.47	124.22	< LOQ 310.56
SG-2B	809.13	> LOQ 155.60	823.21	> LOQ 154.35	647.99	> LOQ 156.77	771.64	< LOQ 792.49

Airborne Sample Data Analysis - Cobalt
NIOSH REL 50.0 micrograms/cubic meter
OSHA PEL 100.0 micrograms/cubic meter

	@ Make-up Air Area		@ Operator Area		@ Exhaust Area		Operator 's Breathing Zone	
Abrasive	Fixed Station #1		Fixed Station #2		Fixed Station #3		(OBZ)	
Type	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note
CG-01	ND	< LOD 4.12	9.58	> LOQ 8.96	6.19	< LOQ 8.87	4.35	< LOQ 8.90
CS-01	ND	< LOD 4.12	ND	< LOD 4.17	24.76	> LOQ 8.87	ND	< LOD 4.17
CS-02	ND	< LOD 4.16	10.87	> LOQ 8.99	49.99	> LOQ 8.96	16.05	> LOQ 8.96
CS-03	ND	< LOD 4.12	12.42	> LOQ 8.90	49.77	> LOQ 8.92	12.84	> LOQ 8.90
CS-04	ND	< LOD 4.11	ND	< LOD 4.19	9.11	> LOQ 8.90	ND	< LOD 4.12
CS-05	ND	< LOD 4.13	4.59	< LOQ 8.97	12.77	> LOQ 9.00	ND	< LOD 6.58
CS-06	ND	< LOD 4.17	8.59	< LOQ 9.01	15.94	> LOQ 8.90	6.66	< LOQ 8.95
CS-07	6.18	< LOQ 8.86	25.02	> LOQ 8.97	131.09	> LOQ 8.95	20.02	> LOQ 8.97
CSDS-01	ND	< LOD 4.15	5.42	< LOQ 8.96	22.84	> LOQ 8.93	11.65	> LOQ 8.95
CSDS-02	ND	< LOD 4.12	6.62	< LOQ 8.89	19.66	> LOQ 8.90	5.44	< LOQ 9.00
N-01	6.3	< LOQ 8.74	19.81	> LOQ 8.97	95.20	> LOQ 8.90	49.18	> LOQ 8.81
N-02	245.1	> LOQ 8.78	519.64	> LOQ 8.94	2291.19	> LOQ 8.96	435.78	> LOQ 8.92
O-1	37.07	> LOQ 8.86	75.17	> LOQ 8.98	193.14	> LOQ 8.84	33.49	> LOQ 9.00
S-01	ND	< LOD 4.15	ND	< LOD 4.18	ND	< LOD 4.18	ND	< LOD 4.17
S-02	ND	< LOD 4.17	ND	< LOD 4.19	ND	< LOD 4.17	ND	< LOD 4.18
SH-01	ND	< LOD 4.18	ND	< LOD 4.18	ND	< LOD 4.15	ND	< LOD 4.16
SS-01	ND	< LOD 4.13	ND	< LOD 4.18	ND	< LOD 4.14	ND	< LOD 4.14
SS-02	ND	< LOD 4.16	ND	< LOD 4.17	ND	< LOD 4.14	ND	< LOD 4.11
SS-03	ND	< LOD 4.16	ND	< LOD 4.20	ND	< LOD 4.09	ND	< LOD 4.03
SS-04	ND	< LOD 4.18	ND	< LOD 4.19	ND	< LOD 4.18	ND	< LOD 4.12
SS-05	ND	< LOD 4.02	ND	< LOD 4.19	5.40	< LOQ 8.94	4.92	< LOQ 8.81
SS-06	ND	< LOD 4.07	ND	< LOD 4.14	ND	< LOD 4.19	ND	< LOD 8.99
SS-07	ND	< LOD 4.10	ND	< LOD 4.16	7.10	< LOQ 8.98	ND	< LOD 4.12
SSDS-01	ND	< LOD 4.12	ND	< LOD 4.18	ND	< LOD 4.12	ND	< LOD 4.14
SSDS-02	ND	< LOD 4.17	ND	< LOD 4.17	ND	< LOD 4.13	ND	< LOD 4.05
SSDS-03	ND	< LOD 4.04	ND	< LOD 3.97	ND	< LOD 3.98	ND	< LOD 4.14
CP-1A	9.07	> LOQ 8.87	29	> LOQ 8.91	99.61	> LOQ 8.92	33.51	> LOQ 9.01
CP-1B	16.27	> LOQ 10.14	35.7	> LOQ 10.23	136.57	> LOQ 10.12	35.91	> LOQ 10.29
CP-2A	8.05	< LOQ 8.87	27.19	> LOQ 8.99	155.54	> LOQ 17.83	60.24	> LOQ 8.93
CP-2B	28.92	> LOQ 8.88	15.03	> LOQ 8.98	55.95	> LOQ 8.91	11.99	> LOQ 9.05
CP-3A	7.23	< LOQ 8.88	18.99	> LOQ 8.97	70.32	> LOQ 8.89	68.29	> LOQ 8.90
CP-3B	6.05	< LOQ 11.83	44.42	> LOQ 11.94	63.05	> LOQ 11.79	24.83	> LOQ 10.68
CP-4A	20.6	> LOQ 8.86	100.61	> LOQ 9.01	550.91	> LOQ 17.55	125.15	> LOQ 8.82
CP-4B	23.98	> LOQ 8.59	76.34	> LOQ 8.87	391.83	> LOQ 17.74	24.48	> LOQ 8.77
CPDS-1A	13.38	> LOQ 8.72	22.69	> LOQ 8.87	144.54	> LOQ 8.88	49.21	> LOQ 8.82
CPDS-1B	16.38	> LOQ 8.69	24.82	> LOQ 8.89	112.66	> LOQ 8.81	22.02	> LOQ 8.61
G-1A	ND	< LOD 4.16	ND	< LOD 4.18	6.64	< LOQ 8.93	ND	< LOD 4.09
G-1B	ND	< LOD 4.14	5.91	< LOQ 9.08	7.68	< LOQ 8.93	9.54	> LOQ 8.92
G-2A	ND	< LOD 4.21	23.34	> LOQ 9.13	ND	< LOD 4.15	ND	< LOD 4.16
G-2B	ND	< LOD 4.10	ND	< LOD 4.15	ND	< LOD 4.18	ND	< LOD 4.12
G-3A	ND	< LOD 4.14	ND	< LOD 4.16	ND	< LOD 4.20	ND	< LOD 4.17
G-4A	ND	< LOD 4.06	4.96	< LOQ 8.89	28.77	> LOQ 8.84	7.27	< LOQ 8.93
G-4B	4.55	< LOQ 8.89	9.79	> LOQ 8.96	15.92	> LOQ 8.89	10.33	> LOQ 8.88
G-5A	ND	< LOD 4.12	ND	< LOD 4.15	7.70	< LOQ 8.95	11.71	> LOQ 8.99
G-5B	ND	< LOD 4.18	ND	< LOD 4.15	18.13	> LOQ 8.96	ND	< LOD 4.17
G-6A	4.37	< LOQ 8.94	20.9	> LOQ 8.99	37.45	> LOQ 8.95	12.01	> LOQ 8.90
G-6B	4.1	< LOQ 8.82	12.01	> LOQ 9.06	13.70	> LOQ 8.79	6.6	< LOQ 8.87
G-7A	ND	< LOD 4.13	ND	< LOD 4.15	ND	< LOD 4.17	ND	< LOD 4.19
G-7B	ND	< LOD 4.11	ND	< LOD 4.16	ND	< LOD 4.24	ND	< LOD 4.23
SG-1A	6.33	< LOQ 8.78	ND	< LOD 4.15	17.85	> LOQ 8.92	125.85	> LOQ 45.39
SG-1B	ND	< LOD 7.69	ND	< LOD 7.69	ND	< LOD 7.66	175.24	> LOQ 83.81
SG-2A	32.93	> LOQ 8.85	35.49	> LOQ 8.98	47.68	> LOQ 8.91	196.69	> LOQ 17.81
SG-2B	14.32	> LOQ 8.92	19.55	> LOQ 8.85	48.08	> LOQ 8.99	271.12	> LOQ 45.88

Airborne Sample Data Analysis - Chromium

NIOSH REL 500.0 micrograms/cubic meter

OSHA PEL 500.0 micrograms/cubic meter

Abrasive Type	@ Make-up Air Area		@ Operator Area		@ Exhaust Area		Operator 's Breathing Zone	
	Fixed Station #1		Fixed Station #2		Fixed Station #3		(OBZ)	
	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note
CG-01	ND	< LOD 10.30	16.67	< LOQ 35.42	22.69	< LOQ 35.07	12.63	< LOQ 35.19
CS-01	11.74	< LOQ 35.02	35.42	< LOQ 35.42	129.98	> LOQ 35.07	31.3	< LOQ 35.48
CS-02	19.34	< LOQ 35.36	54.35	> LOQ 35.54	229.12	> LOQ 35.41	85.43	> LOQ 35.42
CS-03	10.72	< LOQ 35.06	43.49	> LOQ 35.20	136.87	> LOQ 35.26	37.27	> LOQ 35.20
CS-04	ND	< LOD 10.29	17.16	< LOQ 35.58	39.35	> LOQ 35.20	20.58	< LOQ 34.99
CS-05	ND	< LOD 10.32	20.86	< LOQ 35.47	46.04	> LOQ 35.58	27.29	< LOQ 55.90
CS-06	22.94	< LOQ 35.45	52.36	> LOQ 35.60	111.78	> LOQ 35.19	41.63	> LOQ 35.39
CS-07	32.95	< LOQ 35.01	81.32	> LOQ 35.45	332.92	> LOQ 35.37	72.98	> LOQ 35.45
CSDS-01	ND	< LOD 10.38	43.74	> LOQ 35.41	118.36	> LOQ 35.30	60.33	> LOQ 35.37
CSDS-02	11.95	< LOQ 35.03	41.36	> LOQ 35.15	136.62	> LOQ 35.19	54.42	> LOQ 35.58
N-01	345.46	> LOQ 34.55	1772.31	> LOQ 35.45	7036.42	> LOQ 35.18	3688.52	> LOQ 34.84
N-02	138.89	> LOQ 34.72	270.21	> LOQ 35.34	1270.57	> LOQ 35.41	249.01	> LOQ 35.28
O-1	65.9	> LOQ 35.01	96.05	> LOQ 35.50	246.56	> LOQ 34.93	119.3	> LOQ 35.58
S-01	ND	< LOD 10.38	ND	< LOD 10.44	33.40	< LOQ 35.49	ND	< LOD 10.43
S-02	ND	< LOD 10.42	14.45	< LOQ 35.59	16.46	< LOQ 35.42	ND	< LOD 10.44
SH-01	ND	< LOD 10.44	ND	< LOD 10.45	ND	< LOD 10.36	ND	< LOD 10.40
SS-01	ND	< LOD 10.32	ND	< LOD 10.44	ND	< LOD 10.34	ND	< LOD 10.35
SS-02	ND	< LOD 10.39	ND	< LOD 10.43	ND	< LOD 10.35	ND	< LOD 10.28
SS-03	ND	< LOD 10.41	ND	< LOD 10.50	ND	< LOD 10.22	ND	< LOD 10.08
SS-04	ND	< LOD 10.46	12.56	< LOQ 35.58	14.64	< LOQ 35.56	10.91	< LOQ 34.99
SS-05	ND	< LOD 10.04	12.79	< LOQ 35.65	24.94	< LOQ 35.34	18.04	< LOQ 34.84
SS-06	ND	< LOD 10.16	13.05	< LOQ 35.23	ND	< LOD 10.49	ND	< LOD 10.45
SS-07	ND	< LOD 10.25	ND	< LOD 10.39	27.16	< LOQ 35.51	ND	< LOD 10.31
SSDS-01	ND	< LOD 10.29	ND	< LOD 10.45	10.72	< LOQ 35.06	ND	< LOD 10.35
SSDS-02	ND	< LOD 10.42	ND	< LOD 10.42	15.27	< LOQ 35.08	ND	< LOD 10.13
SSDS-03	ND	< LOD 10.11	ND	< LOD 9.93	ND	< LOD 9.95	ND	< LOD 10.36
CP-1A	12.99	< LOQ 35.06	70.42	> LOQ 35.21	130.73	> LOQ 35.28	48.18	> LOQ 35.61
CP-1B	23.57	< LOQ 40.08	59.5	> LOQ 40.46	235.46	> LOQ 40.03	47.88	> LOQ 40.70
CP-2A	20.01	< LOQ 35.07	52.28	> LOQ 35.55	290.34	> LOQ 70.51	105.94	> LOQ 35.31
CP-2B	43.38	> LOQ 35.12	31.32	< LOQ 35.49	95.32	> LOQ 35.23	23.14	< LOQ 35.77
CP-3A	10.95	< LOQ 35.11	22.95	< LOQ 35.47	101.34	> LOQ 35.16	93.13	> LOQ 35.18
CP-3B	17.89	< LOQ 46.78	61.08	> LOQ 47.20	74.01	> LOQ 46.60	39.73	< LOQ 42.22
CP-4A	105.07	> LOQ 35.02	419.2	> LOQ 35.63	2244.44	> LOQ 69.37	471.89	> LOQ 34.88
CP-4B	103.9	> LOQ 33.97	330.1	> LOQ 35.07	1649.82	> LOQ 70.12	108.12	> LOQ 34.68
CPDS-1A	24.32	< LOQ 34.45	37.12	> LOQ 35.06	227.13	> LOQ 35.10	96.37	> LOQ 34.86
CPDS-1B	28.31	< LOQ 34.37	53.77	> LOQ 35.16	192.54	> LOQ 34.82	68.05	> LOQ 34.03
G-1A	ND	< LOD 10.39	20.47	< LOQ 35.51	62.28	> LOQ 35.29	47.03	> LOQ 34.76
G-1B	ND	< LOD 10.36	31.66	< LOQ 35.88	51.90	> LOQ 35.29	93.32	> LOQ 35.26
G-2A	ND	< LOD 10.54	ND	< LOD 10.61	11.61	< LOQ 35.24	ND	< LOD 10.41
G-2B	ND	< LOD 10.25	13.7	< LOQ 35.29	ND	< LOD 10.46	ND	< LOD 10.30
G-3A	ND	< LOD 10.34	27.02	< LOQ 35.34	25.18	< LOQ 35.68	ND	< LOD 10.42
G-4A	18.07	< LOQ 34.52	16.95	< LOQ 35.15	98.62	> LOQ 34.93	1.4	< LOQ 1.7
G-4B	ND	< LOD 10.33	33.33	< LOQ 35.41	55.81	> LOQ 35.14	35.11	> LOQ 35.11
G-5A	ND	< LOD 10.29	14.94	< LOQ 35.28	41.62	> LOQ 35.38	60.63	> LOQ 35.54
G-5B	ND	< LOD 10.44	31.15	< LOQ 35.30	102.13	> LOQ 35.43	16.88	< LOQ 35.42
G-6A	24.95	< LOQ 35.34	108.7	> LOQ 35.54	205.99	> LOQ 35.37	43.49	> LOQ 35.20
G-6B	13.13	< LOQ 34.86	52.69	> LOQ 35.83	40.88	> LOQ 34.75	51.59	> LOQ 35.08
G-7A	ND	< LOD 10.32	13.27	< LOQ 35.26	31.29	< LOQ 35.46	12.77	< LOQ 35.60
G-7B	ND	< LOD 10.27	15.19	< LOQ 35.37	40.29	> LOQ 36.05	11.21	< LOQ 35.96
SG-1A	12.25	< LOQ 34.71	18.26	< LOQ 35.27	72.64	> LOQ 35.28	226.94	> LOQ 175.37
SG-1B	ND	< LOD 19.22	ND	< LOD 19.22	61.30	< LOQ 65.13	217.14	< LOQ 323.81
SG-2A	1008.44	> LOQ 34.99	939.46	> LOQ 35.49	1264.51	> LOQ 70.48	5175.98	> LOQ 70.39
SG-2B	311.2	> LOQ 35.27	596.83	> LOQ 34.99	1484.11	> LOQ 35.54	8550.57	> LOQ 177.27

Airborne Sample Data Analysis - Copper
NIOSH REL 1000.0 micrograms/cubic meter
OSHA PEL 1000.0 micrograms/cubic meter

Abrasive Type	@ Make-up Air Area		@ Operator Area		@ Exhaust Area		Operator 's Breathing Zone	
	Fixed Station #1		Fixed Station #2		Fixed Station #3		(OBZ)	
	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note
CG-01	2.47	< LOQ 5.15	13.13	> LOQ 5.21	11.14	> LOQ 5.16	33.12	> LOQ 5.17
CS-01	3.09	< LOQ 5.15	10.63	> LOQ 5.21	39.20	> LOQ 5.16	9.39	> LOQ 5.22
CS-02	6.45	> LOQ 5.20	22.99	> LOQ 5.23	91.65	> LOQ 5.21	35.42	> LOQ 5.21
CS-03	6.39	> LOQ 5.16	26.92	> LOQ 5.18	95.40	> LOQ 5.18	26.92	> LOQ 5.18
CS-04	11.52	> LOQ 5.14	20.93	> LOQ 5.23	51.77	> LOQ 5.18	26.76	> LOQ 5.15
CS-05	3.72	< LOQ 5.16	9.39	> LOQ 5.22	83.72	> LOQ 5.23	14.47	> LOQ 8.22
CS-06	10.63	> LOQ 5.21	16.34	> LOQ 5.24	68.31	> LOQ 5.17	13.95	> LOQ 5.20
CS-07	17.92	> LOQ 5.15	50.04	> LOQ 5.21	228.88	> LOQ 5.20	62.55	> LOQ 5.21
CSDS-01	2.28	< LOQ 5.19	12.71	> LOQ 5.21	182.72	> LOQ 5.19	17.27	> LOQ 5.20
CSDS-02	3.71	< LOQ 5.15	9.72	> LOQ 5.17	26.91	> LOQ 5.17	12.56	> LOQ 5.23
N-01	2.24	< LOQ 5.08	9.17	> LOQ 5.21	39.32	> LOQ 5.17	19.47	> LOQ 5.12
N-02	110.29	> LOQ 5.11	270.21	> LOQ 5.20	1041.45	> LOQ 5.21	269.77	> LOQ 5.19
O-1	3.29	< LOQ 5.15	11.07	> LOQ 5.22	13.56	> LOQ 5.14	18	> LOQ 5.23
S-01	ND	< LOD 1.66	2.51	< LOQ 5.22	9.81	> LOQ 5.22	1.98	< LOQ 5.22
S-02	ND	< LOD 1.67	2.72	< LOQ 5.23	3.54	< LOQ 5.21	2.09	< LOQ 5.22
SH-01	ND	< LOD 1.67	2.72	< LOQ 5.22	9.33	> LOQ 5.18	6.03	> LOQ 5.20
SS-01	ND	< LOD 1.65	1.94	< LOQ 5.22	ND	< LOD 1.65	2.48	< LOQ 5.18
SS-02	ND	< LOD 1.66	2.71	< LOQ 5.21	2.28	< LOQ 5.17	3.91	< LOQ 5.14
SS-03	ND	< LOD 1.66	1.95	< LOQ 5.25	ND	< LOD 1.63	3.02	< LOQ 5.04
SS-04	1.69	< LOQ 5.23	9.84	> LOQ 5.23	17.78	> LOQ 5.23	10.5	> LOQ 5.15
SS-05	1.65	< LOQ 5.02	5.87	> LOQ 5.24	13.72	> LOQ 5.20	6.97	> LOQ 5.12
SS-06	2.24	< LOQ 5.08	5.18	< LOQ 5.18	50.34	> LOQ 5.24	3.76	< LOQ 5.23
SS-07	5.54	> LOQ 5.13	29.09	> LOQ 5.19	43.87	> LOQ 5.22	37.12	> LOQ 5.16
SSDS-01	ND	< LOD 1.65	3.76	< LOQ 5.23	8.66	> LOQ 5.16	5.79	> LOQ 5.17
SSDS-02	ND	< LOD 1.67	12.92	> LOQ 5.21	15.89	> LOQ 5.16	4.86	< LOQ 5.06
SSDS-03	ND	< LOD 1.62	ND	< LOD 1.59	3.78	< LOQ 4.98	2.07	< LOQ 5.18
CP-1A	969.27	> LOQ 5.16	2692.63	> LOQ 5.18	8507.99	> LOQ 5.19	3142.02	> LOQ 5.24
CP-1B	1084.39	> LOQ 5.89	3331.75	> LOQ 5.95	11066.64	> LOQ 5.89	3830.5	> LOQ 5.99
CP-2A	433.26	> LOQ 5.16	1338.35	> LOQ 5.23	7465.78	> LOQ 10.37	3115.91	> LOQ 5.19
CP-2B	1301.38	> LOQ 5.16	793.32	> LOQ 5.22	3315.38	> LOQ 5.18	673.26	> LOQ 5.26
CP-3A	1011.98	> LOQ 5.16	4172.75	> LOQ 5.22	16132.37	> LOQ 5.17	12210.26	> LOQ 5.17
CP-3B	1265.82	> LOQ 6.88	7773.46	> LOQ 6.94	12883.77	> LOQ 6.85	4718.15	> LOQ 6.21
CP-4A	2678.2	> LOQ 5.15	19911.97	> LOQ 5.24	71414.00	> LOQ 10.20	12925.73	> LOQ 5.13
CP-4B	2397.6	> LOQ 5.00	13822.98	> LOQ 5.16	43307.90	> LOQ 10.31	5303.96	> LOQ 5.10
CPDS-1A	587.76	> LOQ 5.07	928.03	> LOQ 5.16	7433.41	> LOQ 5.16	2665.57	> LOQ 5.13
CPDS-1B	667.21	> LOQ 5.05	1240.95	> LOQ 5.17	6145.02	> LOQ 5.12	1200.96	> LOQ 5.00
G-1A	ND	< LOD 1.66	ND	< LOD 1.67	2.28	< LOQ 5.19	2.25	< LOQ 5.11
G-1B	ND	< LOD 1.66	8.86	> LOQ 5.28	18.89	> LOQ 5.19	58.07	> LOQ 5.18
G-2A	ND	< LOD 1.69	4.46	< LOQ 5.31	4.98	< LOQ 5.18	3.75	< LOQ 5.20
G-2B	ND	< LOD 1.64	2.91	< LOQ 5.19	6.07	> LOQ 5.23	ND	< LOD 1.65
G-3A	ND	< LOD 1.65	1.81	< LOQ 5.20	3.78	< LOQ 5.25	7.92	> LOQ 5.21
G-4A	8.53	> LOQ 5.08	17.99	> LOQ 5.17	55.48	> LOQ 5.14	24.92	> LOQ 5.19
G-4B	4.96	< LOQ 5.17	22.91	> LOQ 5.21	37.21	> LOQ 5.17	22.72	> LOQ 5.16
G-5A	ND	< LOD 1.65	ND	< LOD 1.66	3.12	< LOQ 5.20	1.74	< LOQ 5.23
G-5B	ND	< LOD 1.67	20.14	> LOQ 5.19	16.05	> LOQ 5.21	5.21	> LOQ 5.21
G-6A	4.57	< LOQ 5.20	22.99	> LOQ 5.23	41.61	> LOQ 5.20	24.85	> LOQ 5.18
G-6B	3.9	< LOQ 5.13	16.44	> LOQ 5.27	26.57	> LOQ 5.11	11.35	> LOQ 5.16
G-7A	1.77	< LOQ 5.16	17.21	> LOQ 5.18	39.63	> LOQ 5.21	10.26	> LOQ 5.24
G-7B	2.47	< LOQ 5.14	5.2	> LOQ 5.20	19.51	> LOQ 5.30	18.19	> LOQ 5.29
SG-1A	26.54	> LOQ 5.10	17.63	> LOQ 5.19	85.10	> LOQ 5.19	536.41	> LOQ 26.82
SG-1B	9.22	< LOQ 9.61	10.76	> LOQ 9.61	65.13	> LOQ 9.58	1180.95	> LOQ 49.52
SG-2A	679.15	> LOQ 5.15	626.3	> LOQ 5.22	974.30	> LOQ 5.18	3933.75	> LOQ 10.35
SG-2B	228.22	> LOQ 5.19	411.61	> LOQ 5.15	752.51	> LOQ 5.23	5422.31	> LOQ 27.11

Airborne Sample Data Analysis - Iron
 NIOSH REL 5000.0 micrograms/cubic meter
 OSHA PEL 10000.0 micrograms/cubic meter

	@ Make-up Air Area		@ Operator Area		@ Exhaust Area		Operator 's Breathing Zone	
Abrasive	Fixed Station #1		Fixed Station #2		Fixed Station #3		(OBZ)	
Type	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note
CG-01	1235.58	> LOQ 51.48	7916.67	> LOQ 52.08	8046.21	> LOQ 51.58	7658.87	> LOQ 51.75
CS-01	9474.77	> LOQ 51.49	33333.33	> LOQ 52.08	117598.51	> LOQ 51.58	29215.36	> LOQ 52.17
CS-02	9983.36	> LOQ 52.00	31354.52	> LOQ 52.26	112476.57	> LOQ 52.07	45842.88	> LOQ 52.09
CS-03	10723.86	> LOQ 51.56	43487.26	> LOQ 51.77	138946.50	> LOQ 51.85	45558.09	> LOQ 51.77
CS-04	3291.5	> LOQ 51.43	13813.31	> LOQ 52.32	28991.51	> LOQ 51.77	15026.76	> LOQ 51.46
CS-05	6606.11	> LOQ 51.61	29209.26	> LOQ 52.16	66973.63	> LOQ 52.32	36172.31	> LOQ 82.21
CS-06	29190.99	> LOQ 52.13	73298.43	> LOQ 52.36	122127.92	> LOQ 51.75	56203.16	> LOQ 52.04
CS-07	20593.08	> LOQ 51.48	56296.91	> LOQ 52.13	228880.57	> LOQ 52.02	54211.84	> LOQ 52.13
CSDS-01	12043.19	> LOQ 51.91	64569.88	> LOQ 52.07	172342.19	> LOQ 51.91	87372.58	> LOQ 52.01
CSDS-02	7212.03	> LOQ 51.51	33085.19	> LOQ 51.70	89008.49	> LOQ 51.75	37672.67	> LOQ 52.32
N-01	7112.38	> LOQ 50.80	37531.28	> LOQ 52.13	134519.87	> LOQ 51.74	69672.13	> LOQ 51.23
N-02	93954.25	> LOQ 51.06	178757.02	> LOQ 51.96	833159.76	> LOQ 270.78	161859.31	> LOQ 51.88
O-1	17092.26	> LOQ 51.48	37586.13	> LOQ 52.20	90404.77	> LOQ 51.37	20929.26	> LOQ 52.32
S-01	1266.61	> LOQ 51.91	5011.48	> LOQ 52.20	14405.01	> LOQ 52.19	6050.49	> LOQ 52.16
S-02	1438.1	> LOQ 52.11	7747.07	> LOQ 52.35	10416.67	> LOQ 52.08	6681.98	> LOQ 52.20
SH-01	7518.8	> LOQ 52.21	20685.33	> LOQ 52.24	95356.55	> LOQ 51.82	13935.11	> LOQ 52.00
SS-01	1073.49	> LOQ 51.61	4384.13	> LOQ 52.19	5791.11	> LOQ 51.71	6004.14	> LOQ 51.76
SS-02	1288.18	> LOQ 51.94	5630.87	> LOQ 52.14	5173.84	> LOQ 51.74	6375.98	> LOQ 51.42
SS-03	770.03	> LOQ 52.03	4201.68	> LOQ 52.52	4699.63	> LOQ 51.08	4233.02	> LOQ 50.39
SS-04	2070.7	> LOQ 52.29	13604.02	> LOQ 52.32	18200.84	> LOQ 52.30	13377.24	> LOQ 51.45
SS-05	2410.61	> LOQ 50.22	8389.26	> LOQ 52.43	19538.56	> LOQ 51.96	12297.6	> LOQ 51.24
SS-06	2032.93	> LOQ 50.82	7252.38	> LOQ 51.80	1887.58	> LOQ 52.43	5854.07	> LOQ 52.27
SS-07	1476.62	> LOQ 51.27	5609.81	> LOQ 51.94	17338.63	> LOQ 52.22	4330.79	> LOQ 51.56
SSDS-01	905.72	> LOQ 51.46	5016.72	> LOQ 52.26	8867.81	> LOQ 51.56	7864.24	> LOQ 51.74
SSDS-02	1937.9	> LOQ 52.09	9166.67	> LOQ 52.08	20635.58	> LOQ 51.59	9925.06	> LOQ 50.64
SSDS-03	687.15	> LOQ 50.53	2383.32	> LOQ 49.65	4976.11	> LOQ 49.76	3729.8	> LOQ 51.80
CP-1A	30934.21	> LOQ 51.56	118061.31	> LOQ 51.78	332019.09	> LOQ 51.88	117302.05	> LOQ 52.37
CP-1B	47147.57	> LOQ 58.93	126130.41	> LOQ 59.50	518012.71	> LOQ 117.73	131673.45	> LOQ 59.85
CP-2A	30946.98	> LOQ 51.58	89920.54	> LOQ 52.28	476980.51	> LOQ 103.69	182800.17	> LOQ 51.93
CP-2B	78496.18	> LOQ 51.64	52192.07	> LOQ 52.19	174057.19	> LOQ 51.80	44182.62	> LOQ 52.60
CP-3A	49566.29	> LOQ 51.63	143959.94	> LOQ 52.16	579110.65	> LOQ 103.41	558774.83	> LOQ 103.48
CP-3B	68794.72	> LOQ 68.79	333148.25	> LOQ 69.41	548245.61	> LOQ 137.06	216041.72	> LOQ 62.08
CP-4A	65925.01	> LOQ 51.50	335359.46	> LOQ 104.80	1754743.93	> LOQ 510.10	348789.5	> LOQ 102.59
CP-4B	73926.07	> LOQ 49.95	226944.5	> LOQ 51.58	1196122.91	> LOQ 268.10	71399.43	> LOQ 51.00
CPDS-1A	40535.06	> LOQ 50.67	65992.99	> LOQ 51.56	433615.53	> LOQ 103.24	157883.95	> LOQ 51.26
CPDS-1B	48524.06	> LOQ 50.55	88934.85	> LOQ 51.71	368701.35	> LOQ 102.42	84067.25	> LOQ 50.04
G-1A	4155.41	> LOQ 51.94	16920.83	> LOQ 52.22	51899.52	> LOQ 51.90	38846.86	> LOQ 51.11
G-1B	3728.25	> LOQ 51.78	27437.74	> LOQ 52.76	43595.60	> LOQ 51.90	78805.47	> LOQ 51.85
G-2A	3161.22	> LOQ 52.69	21222.41	> LOQ 53.06	31094.53	> LOQ 51.82	14987.51	> LOQ 52.04
G-2B	4714.08	> LOQ 51.24	37367.66	> LOQ 51.90	27190.96	> LOQ 52.29	9064.69	> LOQ 51.50
G-3A	9102.19	> LOQ 51.72	29099.98	> LOQ 51.96	96537.25	> LOQ 52.47	13336.11	> LOQ 52.09
G-4A	34524.78	> LOQ 50.77	35145.75	> LOQ 51.68	226011.92	> LOQ 51.37	68521.59	> LOQ 51.91
G-4B	10541.55	> LOQ 51.67	87481.77	> LOQ 52.07	142620.92	> LOQ 51.67	74349.44	> LOQ 51.63
G-5A	3499.38	> LOQ 51.46	14943.96	> LOQ 51.89	49947.97	> LOQ 52.03	66903.62	> LOQ 52.27
G-5B	8354.22	> LOQ 52.21	41528.24	> LOQ 51.91	116715.30	> LOQ 52.11	20837.67	> LOQ 52.09
G-6A	19126.82	> LOQ 51.98	94063.55	> LOQ 52.26	181023.72	> LOQ 52.02	41416.44	> LOQ 51.77
G-6B	4922.07	> LOQ 51.27	52687.04	> LOQ 52.69	44971.38	> LOQ 51.10	45398.27	> LOQ 51.59
G-7A	57767.69	> LOQ 51.58	130651.18	> LOQ 51.85	312891.11	> LOQ 52.15	98429.32	> LOQ 52.36
G-7B	43138.87	> LOQ 51.36	91552.23	> LOQ 52.02	190839.69	> LOQ 53.01	48656.65	> LOQ 52.89
SG-1A	142915.48	> LOQ 51.04	112033.2	> LOQ 51.87	518887.51	> LOQ 103.78	3507324.12	> LOQ 1031.57
SG-1B	21137.59	> LOQ 96.08	25749.42	> LOQ 96.08	203065.13	> LOQ 95.79	4190476.19	> LOQ 952.38
SG-2A	432187.69	> LOQ 51.45	417536.53	> LOQ 104.38	601160.86	> LOQ 51.82	2484472.05	> LOQ 269.15
SG-2B	149377.59	> LOQ 51.87	267544.76	> LOQ 51.45	585284.28	> LOQ 271.74	3962460.9	> LOQ 1042.75

Airborne Sample Data Analysis - Lithium
NIOSH REL 25.0 micrograms/cubic meter
OSHA PEL 25.0 micrograms/cubic meter

Abrasive Type	@ Make-up Air Area		@ Operator Area		@ Exhaust Area		Operator 's Breathing Zone	
	Fixed Station #1		Fixed Station #2		Fixed Station #3		(OBZ)	
	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note
CG-01	ND	< LOD 0.618	ND	< LOD 0.625	ND	< LOD 0.619	ND	< LOD 0.621
CS-01	6.797	> LOQ 1.545	22.917	> LOQ 1.563	99.03	> LOQ 1.547	20.868	> LOQ 1.565
CS-02	11.647	> LOQ 1.560	31.355	> LOQ 1.568	131.22	> LOQ 1.562	47.927	> LOQ 1.563
CS-03	5.981	> LOQ 1.547	24.85	> LOQ 1.553	91.25	> LOQ 1.555	24.85	> LOQ 1.553
CS-04	5.143	> LOQ 1.543	18.418	> LOQ 1.570	49.70	> LOQ 1.553	24.702	> LOQ 1.544
CS-05	3.922	> LOQ 1.548	14.187	> LOQ 1.565	37.67	> LOQ 1.570	18.415	> LOQ 2.466
CS-06	16.055	> LOQ 1.564	39.791	> LOQ 1.571	43.47	> LOQ 1.552	29.142	> LOQ 1.561
CS-07	16.269	> LOQ 1.544	41.701	> LOQ 1.564	187.27	> LOQ 1.561	41.701	> LOQ 1.564
CSDS-01	6.022	> LOQ 1.557	31.243	> LOQ 1.562	97.59	> LOQ 1.557	47.847	> LOQ 1.560
CSDS-02	7.006	> LOQ 1.545	26.882	> LOQ 1.551	103.50	> LOQ 1.552	37.673	> LOQ 1.570
N-01	ND	< LOD 0.610	1.314	< LOQ 1.564	4.35	> LOQ 1.552	2.049	> LOQ 1.537
N-02	3.881	> LOQ 1.532	7.691	> LOQ 1.559	33.33	> LOQ 1.562	6.225	> LOQ 1.556
O-1	0.638	< LOQ 1.544	1.503	< LOQ 1.566	3.90	> LOQ 1.541	ND	< LOD 0.628
S-01	ND	< LOD 0.623	ND	< LOD 0.626	20.46	> LOQ 1.566	2.504	> LOQ 1.565
S-02	ND	< LOD 0.625	5.235	> LOQ 1.570	3.96	> LOQ 1.563	1.357	< LOQ 1.566
SH-01	ND	< LOD 0.627	ND	< LOD 0.627	ND	< LOD 0.622	ND	< LOD 0.624
SS-01	ND	< LOD 0.619	ND	< LOD 0.626	ND	< LOD 0.620	0.663	< LOQ 1.553
SS-02	ND	< LOD 0.623	ND	< LOD 0.626	0.64	< LOQ 1.552	1.008	< LOQ 1.543
SS-03	ND	< LOD 0.624	ND	< LOD 0.630	1.02	< LOQ 1.532	ND	< LOD 0.605
SS-04	1.171	< LOQ 1.569	5.86	> LOQ 1.570	9.00	> LOQ 1.569	5.557	> LOQ 1.544
SS-05	ND	< LOD 0.603	ND	< LOD 0.629	0.73	< LOQ 1.559	0.635	< LOQ 1.537
SS-06	1.362	< LOQ 1.525	3.73	> LOQ 1.554	ND	< LOD 0.629	1.045	< LOQ 1.568
SS-07	ND	< LOD 0.615	1.164	< LOQ 1.558	3.97	> LOQ 1.567	ND	< LOD 0.619
SSDS-01	ND	< LOD 0.618	0.669	< LOQ 1.568	1.11	< LOQ 1.547	1.2	< LOQ 1.552
SSDS-02	ND	< LOD 0.625	2.708	> LOQ 1.563	9.91	> LOQ 1.548	2.836	> LOQ 1.519
SSDS-03	ND	< LOD 0.606	ND	< LOD 0.596	ND	< LOD 0.597	ND	< LOD 0.622
CP-1A	0.804	< LOQ 1.547	2.9	> LOQ 1.553	6.02	> LOQ 1.556	2.723	> LOQ 1.571
CP-1B	1.391	< LOQ 1.768	3.332	> LOQ 1.785	9.89	> LOQ 1.766	3.112	> LOQ 1.796
CP-2A	7.427	> LOQ 1.547	19.03	> LOQ 1.568	114.06	> LOQ 3.111	43.623	> LOQ 1.558
CP-2B	18.591	> LOQ 1.549	11.482	> LOQ 1.566	45.59	> LOQ 1.554	9.468	> LOQ 1.578
CP-3A	5.163	> LOQ 1.549	12.936	> LOQ 1.565	64.12	> LOQ 1.551	49.669	> LOQ 1.552
CP-3B	6.054	> LOQ 2.064	33.315	> LOQ 2.082	49.34	> LOQ 2.056	19.369	> LOQ 1.862
CP-4A	1.813	> LOQ 1.545	11.947	> LOQ 1.572	55.09	> LOQ 3.061	11.695	> LOQ 1.539
CP-4B	2.597	> LOQ 1.499	7.84	> LOQ 1.547	39.18	> LOQ 3.093	2.244	> LOQ 1.530
CPDS-1A	9.12	> LOQ 1.520	15.467	> LOQ 1.547	99.11	> LOQ 1.549	43.059	> LOQ 1.538
CPDS-1B	10.716	> LOQ 1.516	16.96	> LOQ 1.551	90.13	> LOQ 1.536	15.012	> LOQ 1.501
G-1A	ND	< LOD 0.623	0.627	< LOQ 1.567	2.08	> LOQ 1.557	1.104	< LOQ 1.533
G-1B	ND	< LOD 0.621	0.929	< LOQ 1.583	1.41	< LOQ 1.557	1.203	> LOQ 1.555
G-2A	ND	< LOD 0.632	2.547	> LOQ 1.592	2.90	> LOQ 1.555	1.811	> LOQ 1.561
G-2B	0.635	< LOQ 1.537	3.114	> LOQ 1.557	2.51	> LOQ 1.569	1.215	< LOQ 1.545
G-3A	1.365	< LOQ 1.552	2.91	> LOQ 1.559	8.60	> LOQ 1.574	1.459	< LOQ 1.563
G-4A	5.28	> LOQ 1.523	7.236	> LOQ 1.551	41.09	> LOQ 1.541	12.666	> LOQ 1.557
G-4B	1.964	> LOQ 1.550	14.164	> LOQ 1.562	24.80	> LOQ 1.550	11.979	> LOQ 1.549
G-5A	ND	< LOD 0.618	1.038	< LOQ 1.557	2.29	> LOQ 1.561	2.509	> LOQ 1.568
G-5B	ND	< LOD 0.627	1.682	> LOQ 1.557	4.38	> LOQ 1.563	1.042	< LOQ 1.563
G-6A	1.268	< LOQ 1.559	4.808	> LOQ 1.568	7.49	> LOQ 1.561	3.106	> LOQ 1.553
G-6B	0.656	< LOQ 1.538	2.318	> LOQ 1.581	2.86	> LOQ 1.533	1.898	> LOQ 1.548
G-7A	ND	< LOD 0.619	ND	< LOD 0.622	ND	< LOD 0.626	ND	< LOD 0.628
G-7B	ND	< LOD 0.616	ND	< LOD 0.624	ND	< LOD 0.636	ND	< LOD 0.635
SG-1A	ND	< LOD 0.612	ND	< LOD 0.622	ND	< LOD 0.623	ND	< LOD 0.619
SG-1B	ND	< LOD 1.153	ND	< LOD 1.153	ND	< LOD 1.149	ND	< LOD 5.714
SG-2A	ND	< LOD 0.617	ND	< LOD 0.626	8.50	> LOQ 1.555	ND	< LOD 1.242
SG-2B	ND	< LOD 0.622	ND	< LOD 0.617	ND	< LOD 0.627	ND	< LOD 3.128

Airborne Sample Data Analysis - Magnesium
NIOSH REL 10000.0 micrograms/cubic meter (nuisance)
OSHA PEL 15000.0 micrograms/cubic meter

	@ Make-up Air Area		@ Operator Area		@ Exhaust Area		Operator 's Breathing Zone	
Abrasive	Fixed Station #1		Fixed Station #2		Fixed Station #3		(OBZ)	
Type	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note
CG-01	82.37	> LOQ 35.01	958.33	> LOQ 35.42	1506.09	> LOQ 35.07	476.09	> LOQ 35.19
CS-01	1194.64	> LOQ 35.02	3541.67	> LOQ 35.42	16917.68	> LOQ 35.07	3547.58	> LOQ 35.48
CS-02	561.56	> LOQ 35.36	1776.76	> LOQ 35.54	7498.44	> LOQ 35.41	2708.9	> LOQ 35.42
CS-03	1608.58	> LOQ 35.06	6833.71	> LOQ 35.20	24885.94	> LOQ 35.26	6833.71	> LOQ 35.20
CS-04	576.01	> LOQ 34.97	2092.93	> LOQ 35.58	5591.22	> LOQ 35.20	2881.84	> LOQ 34.99
CS-05	247.73	> LOQ 35.09	918.01	> LOQ 35.47	2302.22	> LOQ 35.58	1216.71	> LOQ 55.90
CS-06	854.88	> LOQ 35.45	2094.24	> LOQ 35.60	2483.96	> LOQ 35.19	1727.73	> LOQ 35.39
CS-07	1400.33	> LOQ 35.01	3961.63	> LOQ 35.45	17686.23	> LOQ 35.37	3336.11	> LOQ 35.45
CSDS-01	311.46	> LOQ 35.30	1728.81	> LOQ 35.41	5191.03	> LOQ 35.30	2496.36	> LOQ 35.37
CSDS-02	1256.95	> LOQ 35.03	4962.78	> LOQ 35.15	19250.67	> LOQ 35.19	6697.36	> LOQ 35.58
N-01	11176.59	> LOQ 34.55	56296.91	> LOQ 35.45	269039.74	> LOQ 35.18	125000	> LOQ 34.84
N-02	5310.46	> LOQ 34.72	11016.42	> LOQ 35.34	49989.59	> LOQ 35.41	9338.04	> LOQ 35.28
O-1	86490.94	> LOQ 35.01	183754.44	> LOQ 35.50	493116.91	> LOQ 34.93	85809.96	> LOQ 35.58
S-01	19.52	< LOQ 35.30	25.06	< LOQ 35.50	250.52	> LOQ 35.49	54.25	> LOQ 35.47
S-02	13.76	< LOQ 35.43	85.85	> LOQ 35.59	70.83	> LOQ 35.42	22.97	< LOQ 35.50
SH-01	29.24	< LOQ 35.51	35.52	> LOQ 35.52	101.58	> LOQ 35.24	33.28	< LOQ 35.36
SS-01	ND	< LOD 10.32	19	< LOQ 35.49	26.89	< LOQ 35.16	35.2	> LOQ 35.20
SS-02	54.02	> LOQ 35.32	89.68	> LOQ 35.45	88.99	> LOQ 35.18	109.01	> LOQ 34.97
SS-03	20.81	< LOQ 35.38	58.82	> LOQ 35.71	67.43	> LOQ 34.74	80.63	> LOQ 34.27
SS-04	941.23	> LOQ 35.56	6069.49	> LOQ 35.58	7531.38	> LOQ 35.56	5556.7	> LOQ 34.99
SS-05	24.11	< LOQ 34.15	62.92	> LOQ 35.65	122.64	> LOQ 35.34	149.62	> LOQ 34.84
SS-06	304.94	> LOQ 34.56	725.24	> LOQ 35.23	41.95	> LOQ 35.65	480.87	> LOQ 35.54
SS-07	133.31	> LOQ 34.86	498.65	> LOQ 35.32	1253.39	> LOQ 35.51	350.59	> LOQ 35.06
SSDS-01	14.82	< LOQ 34.99	58.53	> LOQ 35.54	88.68	> LOQ 35.06	68.29	> LOQ 35.18
SSDS-02	958.53	> LOQ 35.42	3750	> LOQ 35.42	10936.86	> LOQ 35.08	3038.28	> LOQ 34.43
SSDS-03	ND	< LOD 10.11	21.85	< LOQ 33.76	59.71	> LOQ 33.84	60.09	> LOQ 35.23
CP-1A	350.59	> LOQ 35.06	1304.89	> LOQ 35.21	3942.73	> LOQ 35.28	1340.59	> LOQ 35.61
CP-1B	542.2	> LOQ 40.08	1308.9	> LOQ 40.46	5886.51	> LOQ 40.03	1436.44	> LOQ 40.70
CP-2A	5157.83	> LOQ 35.07	14847.34	> LOQ 35.55	93322.27	> LOQ 70.51	37390.94	> LOQ 35.31
CP-2B	14666.39	> LOQ 35.12	9185.8	> LOQ 35.49	33153.75	> LOQ 35.23	6732.59	> LOQ 35.77
CP-3A	2684.84	> LOQ 35.11	6467.77	> LOQ 35.47	37228.54	> LOQ 35.16	35182.12	> LOQ 35.18
CP-3B	3577.33	> LOQ 46.78	21377.01	> LOQ 47.20	27412.28	> LOQ 46.60	12167.87	> LOQ 42.22
CP-4A	1936.55	> LOQ 35.02	8593.59	> LOQ 35.63	42848.40	> LOQ 69.37	8617.15	> LOQ 34.88
CP-4B	1778.22	> LOQ 33.97	5983.08	> LOQ 35.07	30934.21	> LOQ 70.12	1937.98	> LOQ 34.68
CPDS-1A	7093.64	> LOQ 34.45	11961.23	> LOQ 35.06	84658.27	> LOQ 35.10	32807.05	> LOQ 34.86
CPDS-1B	8491.71	> LOQ 34.37	14477.77	> LOQ 35.16	69643.59	> LOQ 34.82	11409.13	> LOQ 34.03
G-1A	706.42	> LOQ 35.32	2924.59	> LOQ 35.51	9757.11	> LOQ 35.29	7360.46	> LOQ 34.76
G-1B	434.96	> LOQ 35.21	4221.19	> LOQ 35.88	5189.95	> LOQ 35.29	5391.95	> LOQ 35.26
G-2A	162.28	> LOQ 35.83	1039.9	> LOQ 36.08	1534.00	> LOQ 35.24	645.3	> LOQ 35.39
G-2B	307.44	> LOQ 34.84	1889.14	> LOQ 35.29	1129.47	> LOQ 35.56	391.43	> LOQ 35.02
G-3A	434.42	> LOQ 35.17	1787.57	> LOQ 35.34	5036.73	> LOQ 35.68	541.78	> LOQ 35.42
G-4A	1462.23	> LOQ 34.52	1777.96	> LOQ 35.15	11506.06	> LOQ 34.93	3322.26	> LOQ 35.30
G-4B	434.06	> LOQ 35.14	3749.22	> LOQ 35.41	6614.30	> LOQ 35.14	3097.89	> LOQ 35.11
G-5A	452.86	> LOQ 34.99	1951.02	> LOQ 35.28	7075.96	> LOQ 35.38	10035.54	> LOQ 35.54
G-5B	1065.16	> LOQ 35.51	4775.75	> LOQ 35.30	15423.09	> LOQ 35.43	2062.93	> LOQ 35.42
G-6A	2910.6	> LOQ 35.34	14423.08	> LOQ 35.54	27049.52	> LOQ 35.37	5177.06	> LOQ 35.20
G-6B	615.26	> LOQ 34.86	6743.94	> LOQ 35.83	5314.80	> LOQ 34.75	6397.03	> LOQ 35.08
G-7A	150.61	> LOQ 35.07	373.29	> LOQ 35.26	750.94	> LOQ 35.46	481.68	> LOQ 35.60
G-7B	129.42	> LOQ 34.92	457.76	> LOQ 35.37	678.54	> LOQ 36.05	359.64	> LOQ 35.96
SG-1A	51.04	> LOQ 34.71	56.02	> LOQ 35.27	139.06	> LOQ 35.28	247.58	> LOQ 175.37
SG-1B	53.8	< LOQ 65.33	115.3	> LOQ 65.33	76.63	> LOQ 65.13	255.24	< LOQ 323.81
SG-2A	55.57	> LOQ 34.99	66.81	> LOQ 35.49	47.68	< LOQ 70.48	207.04	> LOQ 175.98
SG-2B	228.22	> LOQ 35.27	246.96	> LOQ 34.99	209.03	> LOQ 35.54	417.1	> LOQ 177.27

Airborne Sample Data Analysis - Manganese
NIOSH REL 1000.0 micrograms/cubic meter
OSHA PEL 5000.0 micrograms/cubic meter Ceiling Limit

Abrasive Type	@ Make-up Air Area		@ Operator Area		@ Exhaust Area		Operator 's Breathing Zone	
	Fixed Station #1		Fixed Station #2		Fixed Station #3		(OBZ)	
	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note
CG-01	13.386	> LOQ 0.721	93.75	> LOQ 0.729	101.09	> LOQ 0.722	82.799	> LOQ 0.724
CS-01	28.836	> LOQ 0.721	122.917	> LOQ 0.729	309.47	> LOQ 0.722	108.514	> LOQ 0.730
CS-02	27.038	> LOQ 0.728	106.605	> LOQ 0.732	270.78	> LOQ 0.729	131.277	> LOQ 0.729
CS-03	61.868	> LOQ 0.722	269.207	> LOQ 0.725	829.53	> LOQ 0.726	289.915	> LOQ 0.725
CS-04	37.029	> LOQ 0.720	169.527	> LOQ 0.733	352.04	> LOQ 0.725	181.145	> LOQ 0.720
CS-05	26.837	> LOQ 0.723	112.664	> LOQ 0.730	230.22	> LOQ 0.733	134.824	> LOQ 1.151
CS-06	64.637	> LOQ 0.730	186.387	> LOQ 0.733	538.19	> LOQ 0.724	143.63	> LOQ 0.729
CS-07	78.254	> LOQ 0.721	250.209	> LOQ 0.730	873.91	> LOQ 0.728	229.358	> LOQ 0.730
CSDS-01	31.146	> LOQ 0.727	172.881	> LOQ 0.729	456.81	> LOQ 0.727	201.789	> LOQ 0.728
CSDS-02	26.788	> LOQ 0.721	167.494	> LOQ 0.724	289.80	> LOQ 0.724	148.598	> LOQ 0.733
N-01	117.862	> LOQ 0.711	625.521	> LOQ 0.730	2483.44	> LOQ 0.724	1209.016	> LOQ 0.717
N-02	122.549	> LOQ 0.715	270.214	> LOQ 0.727	1083.11	> LOQ 0.729	249.014	> LOQ 0.726
O-1	247.117	> LOQ 0.721	584.673	> LOQ 0.731	1376.62	> LOQ 0.719	313.939	> LOQ 0.733
S-01	19.518	> LOQ 0.727	79.349	> LOQ 0.731	521.92	> LOQ 0.731	160.651	> LOQ 0.730
S-02	52.105	> LOQ 0.729	230.318	> LOQ 0.733	270.83	> LOQ 0.729	108.582	> LOQ 0.731
SH-01	15.873	> LOQ 0.731	73.13	> LOQ 0.731	248.76	> LOQ 0.726	47.837	> LOQ 0.728
SS-01	10.941	> LOQ 0.723	48.017	> LOQ 0.731	59.98	> LOQ 0.724	55.901	> LOQ 0.725
SS-02	11.427	> LOQ 0.727	52.138	> LOQ 0.730	47.60	> LOQ 0.724	59.646	> LOQ 0.720
SS-03	8.117	> LOQ 0.728	46.218	> LOQ 0.735	53.13	> LOQ 0.715	50.393	> LOQ 0.706
SS-04	37.649	> LOQ 0.732	272.08	> LOQ 0.733	355.65	> LOQ 0.732	267.545	> LOQ 0.720
SS-05	11.049	> LOQ 0.703	35.654	> LOQ 0.734	135.11	> LOQ 0.727	59.438	> LOQ 0.717
SS-06	20.329	> LOQ 0.712	78.74	> LOQ 0.725	4.61	> LOQ 0.734	62.722	> LOQ 0.732
SS-07	14.971	> LOQ 0.718	60.253	> LOQ 0.727	181.74	> LOQ 0.731	43.308	> LOQ 0.722
SSDS-01	10.086	> LOQ 0.720	54.348	> LOQ 0.732	92.80	> LOQ 0.722	80.712	> LOQ 0.724
SSDS-02	33.34	> LOQ 0.729	147.917	> LOQ 0.729	350.81	> LOQ 0.722	153.94	> LOQ 0.709
SSDS-03	7.478	> LOQ 0.707	31.778	> LOQ 0.695	61.70	> LOQ 0.697	41.442	> LOQ 0.725
CP-1A	35.059	> LOQ 0.722	126.346	> LOQ 0.725	290.52	> LOQ 0.726	131.965	> LOQ 0.733
CP-1B	35.361	> LOQ 0.825	185.626	> LOQ 0.833	447.38	> LOQ 0.824	186.737	> LOQ 0.838
CP-2A	701.465	> LOQ 0.722	2091.175	> LOQ 0.732	12650.35	> LOQ 1.452	4777.732	> LOQ 0.727
CP-2B	1983.061	> LOQ 0.723	1210.856	> LOQ 0.731	4351.43	> LOQ 0.725	988.849	> LOQ 0.736
CP-3A	202.396	> LOQ 0.723	792.823	> LOQ 0.730	2895.55	> LOQ 0.724	2690.397	> LOQ 0.724
CP-3B	330.215	> LOQ 0.963	1693.504	> LOQ 0.972	2439.69	> LOQ 0.959	1241.619	> LOQ 0.869
CP-4A	142.151	> LOQ 0.721	628.799	> LOQ 0.734	3264.64	> LOQ 1.428	738.613	> LOQ 0.718
CP-4B	139.86	> LOQ 0.699	515.783	> LOQ 0.722	2474.74	> LOQ 1.444	169.319	> LOQ 0.714
CPDS-1A	932.306	> LOQ 0.709	1629.202	> LOQ 0.722	11356.60	> LOQ 0.723	4305.926	> LOQ 0.718
CPDS-1B	1192.883	> LOQ 0.708	2068.252	> LOQ 0.724	9217.53	> LOQ 0.717	1761.409	> LOQ 0.701
G-1A	68.564	> LOQ 0.727	271.569	> LOQ 0.731	871.91	> LOQ 0.727	674.709	> LOQ 0.716
G-1B	57.995	> LOQ 0.725	443.225	> LOQ 0.739	602.03	> LOQ 0.727	953.961	> LOQ 0.726
G-2A	115.911	> LOQ 0.738	870.119	> LOQ 0.743	1285.24	> LOQ 0.726	457.952	> LOQ 0.729
G-2B	202.91	> LOQ 0.717	1806.103	> LOQ 0.727	1066.72	> LOQ 0.732	370.828	> LOQ 0.721
G-3A	517.17	> LOQ 0.724	1309.499	> LOQ 0.727	5036.73	> LOQ 0.735	541.78	> LOQ 0.729
G-4A	2437.043	> LOQ 0.711	2274.137	> LOQ 0.724	17670.02	> LOQ 0.719	4775.748	> LOQ 0.727
G-4B	578.752	> LOQ 0.723	5832.118	> LOQ 0.729	9921.46	> LOQ 0.723	4750.103	> LOQ 0.723
G-5A	92.631	> LOQ 0.720	394.355	> LOQ 0.726	1394.38	> LOQ 0.728	2048.923	> LOQ 0.732
G-5B	229.741	> LOQ 0.731	1058.97	> LOQ 0.727	3334.72	> LOQ 0.729	500.104	> LOQ 0.729
G-6A	561.331	> LOQ 0.728	2717.391	> LOQ 0.732	6034.12	> LOQ 0.728	1097.536	> LOQ 0.725
G-6B	145.611	> LOQ 0.718	1496.312	> LOQ 0.738	1492.23	> LOQ 0.715	1320.677	> LOQ 0.722
G-7A	226.945	> LOQ 0.722	539.195	> LOQ 0.726	1418.44	> LOQ 0.730	418.848	> LOQ 0.733
G-7B	168.447	> LOQ 0.719	395.339	> LOQ 0.728	1505.51	> LOQ 0.742	232.706	> LOQ 0.740
SG-1A	285.831	> LOQ 0.715	601.66	> LOQ 0.726	1992.53	> LOQ 0.726	3919.95	> LOQ 3.714
SG-1B	14.604	> LOQ 1.345	65.334	> LOQ 1.345	498.08	> LOQ 1.341	3009.524	> LOQ 6.857
SG-2A	4733.484	> LOQ 0.720	4801.67	> LOQ 0.731	7669.98	> LOQ 0.726	26915.114	> LOQ 1.449
SG-2B	1639.004	> LOQ 0.726	3087.055	> LOQ 0.720	7316.05	> LOQ 0.732	41710.115	> LOQ 3.754

Airborne Sample Data Analysis - Molybdenum
NIOSH REL 10000.0 micrograms/cubic meter (nuisance)
OSHA PEL 15000.0 micrograms/cubic meter

Abrasive Type	@ Make-up Air Area		@ Operator Area		@ Exhaust Area		Operator's Breathing Zone	
	Fixed Station #1		Fixed Station #2		Fixed Station #3		(OBZ)	
	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note
CG-01	ND	< LOD 6.18	ND	< LOD 6.25	ND	< LOD 6.19	ND	< LOD 6.21
CS-01	ND	< LOD 6.18	ND	< LOD 6.25	12.38	< LOQ 17.54	ND	< LOD 6.26
CS-02	ND	< LOD 6.24	ND	< LOD 6.27	ND	< LOD 6.25	12.92	< LOQ 17.71
CS-03	ND	< LOD 6.19	ND	< LOD 6.21	6.43	< LOQ 17.63	ND	< LOD 6.21
CS-04	ND	< LOD 6.17	ND	< LOD 6.28	ND	< LOD 6.21	ND	< LOD 6.18
CS-05	ND	< LOD 6.19	ND	< LOD 6.26	ND	< LOD 6.28	ND	< LOD 9.87
CS-06	9.38	< LOQ 17.72	10.05	< LOQ 17.80	14.70	< LOQ 17.59	10.82	< LOQ 17.69
CS-07	20.39	> LOQ 17.50	11.88	< LOQ 17.72	58.26	> LOQ 17.69	22.94	> LOQ 17.72
CSDS-01	ND	< LOD 6.23	ND	< LOD 6.25	11.84	< LOQ 17.65	ND	< LOD 6.24
CSDS-02	ND	< LOD 6.18	ND	< LOD 6.20	8.49	< LOQ 17.59	ND	< LOD 6.28
N-01	ND	< LOD 6.10	ND	< LOD 6.26	ND	< LOD 6.21	6.97	< LOQ 17.42
N-02	24.51	> LOQ 17.36	22.86	> LOQ 17.67	70.82	> LOQ 17.70	14.11	< LOQ 17.64
O-1	ND	< LOD 6.18	13.99	< LOQ 17.75	11.10	< LOQ 17.46	ND	< LOD 6.28
S-01	6.64	< LOQ 17.65	ND	< LOD 6.26	ND	< LOD 6.26	ND	< LOD 6.26
S-02	ND	< LOD 6.25	ND	< LOD 6.28	6.88	< LOQ 17.71	ND	< LOD 6.26
SH-01	ND	< LOD 6.27	ND	< LOD 6.27	ND	< LOD 6.22	ND	< LOD 6.24
SS-01	ND	< LOD 6.19	ND	< LOD 6.26	ND	< LOD 6.20	ND	< LOD 6.21
SS-02	ND	< LOD 6.23	ND	< LOD 6.26	ND	< LOD 6.21	ND	< LOD 6.17
SS-03	ND	< LOD 6.24	ND	< LOD 6.30	ND	< LOD 6.13	ND	< LOD 6.05
SS-04	ND	< LOD 6.27	ND	< LOD 6.28	ND	< LOD 6.28	ND	< LOD 6.17
SS-05	ND	< LOD 6.03	ND	< LOD 6.29	ND	< LOD 6.24	8.61	< LOQ 17.42
SS-06	ND	< LOD 6.10	12.02	< LOQ 17.61	12.58	< LOQ 17.83	ND	< LOD 6.27
SS-07	ND	< LOD 6.15	ND	< LOD 6.23	11.07	< LOQ 17.76	7.22	< LOQ 17.53
SSDS-01	ND	< LOD 6.18	ND	< LOD 6.27	ND	< LOD 6.19	ND	< LOD 6.21
SSDS-02	ND	< LOD 6.25	ND	< LOD 6.25	ND	< LOD 6.19	ND	< LOD 6.08
SSDS-03	6.67	< LOQ 17.18	ND	< LOD 5.96	ND	< LOD 5.97	6.84	< LOQ 17.61
CP-1A	74.24	> LOQ 17.53	310.69	> LOQ 17.61	767.79	> LOQ 17.64	272.31	> LOQ 17.80
CP-1B	143.8	> LOQ 20.04	285.58	> LOQ 20.23	1295.03	> LOQ 20.01	287.29	> LOQ 20.35
CP-2A	13.41	< LOQ 17.54	ND	< LOD 6.27	26.96	< LOQ 35.26	17.03	< LOQ 17.66
CP-2B	ND	< LOD 6.20	7.1	< LOQ 17.75	29.01	> LOQ 17.61	ND	< LOD 6.31
CP-3A	8.67	< LOQ 17.55	31.3	> LOQ 17.73	91.00	> LOQ 17.58	66.23	> LOQ 17.59
CP-3B	ND	< LOD 8.26	52.75	> LOQ 23.60	84.98	> LOQ 23.30	29.8	> LOQ 21.11
CP-4A	350.23	> LOQ 17.51	1530.08	> LOQ 17.82	8569.68	> LOQ 87.74	1579.81	> LOQ 17.44
CP-4B	379.62	> LOQ 16.98	1093.46	> LOQ 17.54	5361.93	> LOQ 35.06	285.6	> LOQ 17.34
CPDS-1A	9.93	< LOQ 17.23	ND	< LOD 6.19	ND	< LOD 6.19	11.07	< LOQ 17.43
CPDS-1B	14.56	< LOQ 17.19	9.93	< LOQ 17.58	43.02	> LOQ 17.41	22.02	> LOQ 17.01
G-1A	ND	< LOD 6.23	ND	< LOD 6.27	ND	< LOD 6.23	ND	< LOD 6.13
G-1B	ND	< LOD 6.21	7.6	< LOQ 17.94	9.34	< LOQ 17.65	15.35	< LOQ 17.63
G-2A	ND	< LOD 6.32	ND	< LOD 6.37	ND	< LOD 6.22	ND	< LOD 6.24
G-2B	ND	< LOD 6.15	12.87	< LOQ 17.65	7.53	< LOQ 17.78	ND	< LOD 6.18
G-3A	7.03	< LOQ 17.58	ND	< LOD 6.24	ND	< LOD 6.30	ND	< LOD 6.25
G-4A	ND	< LOD 6.09	13.02	< LOQ 17.57	8.01	< LOQ 17.46	7.27	> LOQ 17.65
G-4B	ND	< LOD 6.20	ND	< LOD 6.25	ND	< LOD 6.20	ND	< LOD 6.20
G-5A	ND	< LOD 6.18	ND	< LOD 6.23	ND	< LOD 6.24	ND	< LOD 6.27
G-5B	ND	< LOD 6.27	ND	< LOD 6.23	8.13	< LOQ 17.72	ND	< LOD 6.25
G-6A	ND	< LOD 6.24	ND	< LOD 6.27	15.19	< LOQ 17.69	ND	< LOD 6.21
G-6B	ND	< LOD 6.15	ND	< LOD 6.32	ND	< LOD 6.13	ND	< LOD 6.19
G-7A	ND	< LOD 6.19	19.08	> LOQ 17.63	14.60	< LOQ 17.73	ND	< LOD 6.28
G-7B	ND	< LOD 6.16	ND	< LOD 6.24	9.54	< LOQ 18.02	ND	< LOD 6.35
SG-1A	ND	< LOD 6.12	7.47	< LOQ 17.63	11.62	< LOQ 17.64	ND	< LOD 30.95
SG-1B	19.22	< LOQ 32.67	15.76	< LOQ 32.67	42.15	> LOQ 32.57	198.1	> LOQ 163.81
SG-2A	246.96	> LOQ 17.49	229.65	> LOQ 17.75	331.67	> LOQ 17.62	1262.94	> LOQ 35.20
SG-2B	80.91	> LOQ 17.63	166.7	> LOQ 17.49	355.35	> LOQ 17.77	2085.51	> LOQ 89.68

Airborne Sample Data Analysis - Nickel
NIOSH REL 15.0 micrograms/cubic meter
OSHA PEL 1000.0 micrograms/cubic meter

Abrasive Type	@ Make-up Air Area		@ Operator Area		@ Exhaust Area		Operator 's Breathing Zone	
	Fixed Station #1		Fixed Station #2		Fixed Station #3		(OBZ)	
	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note
CG-01	ND	< LOD 10.30	ND	< LOD 10.42	ND	< LOD 10.32	ND	< LOD 10.35
CS-01	ND	< LOD 10.30	33.33	> LOQ 20.83	82.53	> LOQ 20.63	22.95	> LOQ 20.87
CS-02	10.82	< LOQ 20.80	33.44	> LOQ 20.90	160.38	> LOQ 20.83	56.26	> LOQ 20.84
CS-03	ND	< LOD 10.31	33.13	> LOQ 20.71	134.80	> LOQ 20.74	33.13	> LOQ 20.71
CS-04	ND	< LOD 10.29	19.67	< LOQ 20.93	22.78	> LOQ 20.71	12.56	< LOQ 20.58
CS-05	ND	< LOD 10.32	22.95	> LOQ 20.86	33.49	> LOQ 20.93	25.98	< LOQ 32.88
CS-06	ND	< LOD 10.43	161.26	> LOQ 20.94	53.82	> LOQ 20.70	20.19	< LOQ 20.82
CS-07	17.5	< LOQ 20.59	60.47	> LOQ 20.85	353.72	> LOQ 20.81	54.21	> LOQ 20.85
CSDS-01	ND	< LOD 10.38	45.82	> LOQ 20.83	83.06	> LOQ 20.76	31.2	> LOQ 20.80
CSDS-02	ND	< LOD 10.30	24.81	> LOQ 20.68	66.24	> LOQ 20.70	31.39	> LOQ 20.93
N-01	89.41	> LOQ 20.32	396.16	> LOQ 20.85	2897.35	> LOQ 20.70	1311.48	> LOQ 20.49
N-02	612.75	> LOQ 20.42	1455	> LOQ 20.79	6040.41	> LOQ 20.83	1245.07	> LOQ 20.75
O-1	864.91	> LOQ 20.59	1754.02	> LOQ 20.88	4520.24	> LOQ 20.55	1025.53	> LOQ 20.93
S-01	ND	< LOD 10.38	ND	< LOD 10.44	ND	< LOD 10.44	ND	< LOD 10.43
S-02	ND	< LOD 10.42	ND	< LOD 10.47	ND	< LOD 10.42	ND	< LOD 10.44
SH-01	ND	< LOD 10.44	ND	< LOD 10.45	ND	< LOD 10.36	ND	< LOD 10.40
SS-01	ND	< LOD 10.32	12.11	< LOQ 20.88	ND	< LOD 10.34	ND	< LOD 10.35
SS-02	ND	< LOD 10.39	14.81	< LOQ 20.86	ND	< LOD 10.35	ND	< LOD 10.28
SS-03	ND	< LOD 10.41	ND	< LOD 10.50	ND	< LOD 10.22	ND	< LOD 10.08
SS-04	ND	< LOD 10.46	ND	< LOD 10.46	16.32	< LOQ 20.92	ND	< LOD 10.29
SS-05	ND	< LOD 10.04	ND	< LOD 10.49	ND	< LOD 10.39	ND	< LOD 10.25
SS-06	ND	< LOD 10.16	ND	< LOD 10.36	ND	< LOD 10.49	ND	< LOD 10.45
SS-07	ND	< LOD 10.25	ND	< LOD 10.39	15.25	< LOQ 20.89	ND	< LOD 10.31
SSDS-01	ND	< LOD 10.29	ND	< LOD 10.45	ND	< LOD 10.31	ND	< LOD 10.35
SSDS-02	ND	< LOD 10.42	ND	< LOD 10.42	ND	< LOD 10.32	ND	< LOD 10.13
SSDS-03	ND	< LOD 10.11	ND	< LOD 9.93	ND	< LOD 9.95	ND	< LOD 10.36
CP-1A	15.26	< LOQ 20.62	ND	< LOD 10.36	13.07	< LOQ 20.75	ND	< LOD 10.47
CP-1B	21.22	< LOQ 23.57	ND	< LOD 11.90	ND	< LOD 11.77	ND	< LOD 11.97
CP-2A	ND	< LOD 10.32	29.28	> LOQ 20.91	126.50	> LOQ 41.48	49.85	> LOQ 20.77
CP-2B	15.7	< LOQ 20.66	17.75	< LOQ 20.88	47.66	> LOQ 20.72	ND	< LOD 10.52
CP-3A	ND	< LOD 10.33	ND	< LOD 10.43	28.96	> LOQ 20.68	35.18	> LOQ 20.70
CP-3B	ND	< LOD 13.76	26.93	< LOQ 27.76	35.64	> LOQ 27.41	ND	< LOD 12.42
CP-4A	16.28	< LOQ 20.60	60.78	> LOQ 20.96	306.06	> LOQ 40.81	67.71	> LOQ 20.52
CP-4B	13.79	< LOQ 19.98	51.58	> LOQ 20.63	226.85	> LOQ 41.25	20.4	> LOQ 20.40
CPDS-1A	ND	< LOD 10.13	37.12	> LOQ 20.62	115.63	> LOQ 20.65	96.37	> LOQ 20.50
CPDS-1B	ND	< LOD 10.11	20.48	< LOQ 20.68	94.22	> LOQ 20.48	34.03	> LOQ 20.02
G-1A	ND	< LOD 10.39	ND	< LOD 10.44	ND	< LOD 10.38	ND	< LOD 10.22
G-1B	ND	< LOD 10.36	ND	< LOD 10.55	11.83	< LOQ 20.76	33.18	> LOQ 20.74
G-2A	ND	< LOD 10.54	ND	< LOD 10.61	ND	< LOD 10.36	ND	< LOD 10.41
G-2B	ND	< LOD 10.25	ND	< LOD 10.38	ND	< LOD 10.46	ND	< LOD 10.30
G-3A	ND	< LOD 10.34	ND	< LOD 10.39	ND	< LOD 10.49	ND	< LOD 10.42
G-4A	ND	< LOD 10.15	12.82	< LOQ 20.67	34.93	> LOQ 20.55	11.84	< LOQ 20.76
G-4B	ND	< LOD 10.33	ND	< LOD 10.41	17.36	< LOQ 20.67	ND	< LOD 10.33
G-5A	ND	< LOD 10.29	ND	< LOD 10.38	ND	< LOD 10.41	ND	< LOD 10.45
G-5B	ND	< LOD 10.44	ND	< LOD 10.38	ND	< LOD 10.42	ND	< LOD 10.42
G-6A	ND	< LOD 10.40	20.9	> LOQ 20.90	22.89	> LOQ 20.81	18.64	< LOQ 20.71
G-6B	ND	< LOD 10.25	12.22	< LOQ 21.07	22.49	> LOQ 20.44	15.27	< LOQ 20.64
G-7A	ND	< LOD 10.32	55.99	> LOQ 20.74	ND	< LOD 10.43	ND	< LOD 10.47
G-7B	ND	< LOD 10.27	ND	< LOD 10.40	13.36	< LOQ 21.20	ND	< LOD 10.58
SG-1A	28.58	> LOQ 20.42	19.29	< LOQ 20.75	70.57	> LOQ 20.76	474.52	> LOQ 20.63
SG-1B	ND	< LOD 19.22	ND	< LOD 19.22	45.98	> LOQ 38.31	723.81	> LOQ 190.48
SG-2A	493.93	> LOQ 20.58	521.92	> LOQ 20.88	704.81	> LOQ 41.46	2691.51	> LOQ 41.41
SG-2B	161.83	> LOQ 20.75	349.87	> LOQ 20.58	689.80	> LOQ 20.90	4379.56	> LOQ 104.28

Airborne Sample Data Analysis - Phosphorus

NIOSH REL 100.0 micrograms/cubic meter

OSHA PEL 100.0 micrograms/cubic meter

Abrasives Type	@ Make-up Air Area		@ Operator Area		@ Exhaust Area		Operator's Breathing Zone	
	Fixed Station #1		Fixed Station #2		Fixed Station #3		(OBZ)	
	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note
CG-01	ND	< LOD 41.19	ND	< LOD 41.67	ND	< LOD 41.26	ND	< LOD 41.40
CS-01	125.64	> LOQ 88.57	375	> LOQ 89.58	1506.09	> LOQ 88.71	375.63	> LOQ 89.73
CS-02	99.83	> LOQ 89.43	313.55	> LOQ 89.88	1270.57	> LOQ 89.56	479.27	> LOQ 89.60
CS-03	226.85	> LOQ 88.68	931.87	> LOQ 89.05	3318.13	> LOQ 89.17	911.16	> LOQ 89.05
CS-04	ND	< LOD 41.14	90	> LOQ 90.00	227.79	> LOQ 89.05	127.62	> LOQ 88.51
CS-05	66.06	< LOQ 88.77	108.49	> LOQ 89.71	251.15	> LOQ 90.00	164.42	> LOQ 141.40
CS-06	164.72	> LOQ 89.66	335.08	> LOQ 90.05	372.59	> LOQ 89.01	270.61	> LOQ 89.51
CS-07	617.79	> LOQ 88.55	1563.8	> LOQ 89.66	7906.78	> LOQ 89.47	1271.89	> LOQ 89.66
CSDS-01	64.37	< LOQ 89.29	270.78	> LOQ 89.56	705.98	> LOQ 89.29	353.65	> LOQ 89.45
CSDS-02	136	> LOQ 88.60	496.28	> LOQ 88.92	1738.77	> LOQ 89.01	627.88	> LOQ 90.00
N-01	ND	< LOD 40.64	ND	< LOD 41.70	ND	< LOD 41.39	ND	< LOD 40.98
N-02	69.44	< LOQ 87.83	147.58	> LOQ 89.38	624.87	> LOQ 89.56	68.48	< LOQ 89.23
O-1	59.72	< LOQ 88.55	50.11	< LOQ 89.79	ND	< LOD 41.09	ND	< LOD 41.86
S-01	70.6	< LOQ 89.29	133.64	> LOQ 89.79	313.15	> LOQ 89.77	116.84	> LOQ 89.71
S-02	68.78	< LOQ 89.62	272.19	> LOQ 90.03	625.00	> LOQ 89.58	229.69	> LOQ 89.79
SH-01	ND	< LOD 41.77	ND	< LOD 41.79	87.06	< LOQ 89.14	ND	< LOD 41.60
SS-01	ND	< LOD 41.29	60.54	< LOQ 89.77	97.21	> LOQ 88.93	49.69	< LOQ 89.03
SS-02	ND	< LOD 41.55	58.39	< LOQ 89.68	86.92	< LOQ 88.99	61.7	< LOQ 88.44
SS-03	ND	< LOD 41.62	ND	< LOD 42.02	ND	< LOD 40.87	ND	< LOD 40.31
SS-04	ND	< LOD 41.83	7.8	< LOD 2.0	251.05	> LOQ 89.96	174.93	> LOQ 88.50
SS-05	ND	< LOD 40.18	ND	< LOD 41.95	64.44	< LOQ 89.38	69.69	< LOQ 88.13
SS-06	56.92	< LOQ 87.42	120.18	> LOQ 89.10	ND	< LOD 41.95	102.45	> LOQ 89.90
SS-07	73.83	< LOQ 88.19	47.79	< LOQ 89.34	208.90	> LOQ 89.83	ND	< LOD 41.25
SSDS-01	ND	< LOD 41.17	64.8	< LOQ 89.88	150.55	> LOQ 88.68	120.03	> LOQ 88.99
SSDS-02	ND	< LOD 41.68	116.67	> LOQ 89.58	268.26	> LOQ 88.73	70.89	< LOQ 87.10
SSDS-03	ND	< LOD 40.42	ND	< LOD 39.72	ND	< LOD 39.81	ND	< LOD 41.44
CP-1A	51.56	< LOQ 88.68	74.57	< LOQ 89.06	178.46	> LOQ 89.23	62.84	< LOQ 90.07
CP-1B	ND	< LOD 47.15	ND	< LOD 47.60	306.10	> LOQ 101.25	117.31	> LOQ 102.94
CP-2A	392	> LOQ 88.71	1003.76	> LOQ 89.92	6221.48	> LOQ 178.35	2492.73	> LOQ 89.32
CP-2B	991.53	> LOQ 88.82	542.8	> LOQ 89.77	2279.32	> LOQ 89.10	441.83	> LOQ 90.47
CP-3A	132.18	> LOQ 88.81	438.14	> LOQ 89.71	2068.25	> LOQ 88.93	2069.54	> LOQ 88.99
CP-3B	266.92	> LOQ 118.33	1193.78	> LOQ 119.38	1781.80	> LOQ 117.87	645.64	> LOQ 106.78
CP-4A	164.81	> LOQ 88.59	691.68	> LOQ 90.13	3264.64	> LOQ 175.47	677.06	> LOQ 88.22
CP-4B	127.87	> LOQ 85.91	412.63	> LOQ 88.71	2268.51	> LOQ 177.36	106.08	> LOQ 87.72
CPDS-1A	466.15	> LOQ 87.15	866.16	> LOQ 88.68	5988.02	> LOQ 88.79	2255.48	> LOQ 88.17
CPDS-1B	586.33	> LOQ 86.94	1013.44	> LOQ 88.93	4916.02	> LOQ 88.08	780.62	> LOQ 86.07
G-1A	ND	< LOD 41.55	43.87	< LOQ 89.83	195.14	> LOQ 89.27	ND	< LOD 40.89
G-1B	ND	< LOD 41.43	ND	< LOD 42.21	78.89	< LOQ 89.27	51.85	< LOQ 89.17
G-2A	ND	< LOD 42.15	195.25	> LOQ 91.26	310.95	> LOQ 89.14	183.18	> LOQ 89.51
G-2B	ND	< LOD 40.99	107.95	> LOQ 89.27	192.43	> LOQ 89.94	ND	< LOD 41.20
G-3A	43.44	< LOQ 88.95	68.59	< LOQ 89.38	293.81	> LOQ 90.24	127.11	> LOQ 89.60
G-4A	50.77	< LOQ 87.33	227.41	> LOQ 88.90	1253.34	> LOQ 88.35	311.46	> LOQ 89.29
G-4B	68.21	< LOQ 88.88	333.26	> LOQ 89.56	930.14	> LOQ 88.88	351.09	> LOQ 88.81
G-5A	ND	< LOD 41.17	56.04	< LOQ 89.25	154.01	> LOQ 89.49	98.26	> LOQ 89.90
G-5B	ND	< LOD 41.77	85.13	< LOQ 89.29	208.42	> LOQ 89.62	ND	< LOD 41.68
G-6A	114.35	> LOQ 89.40	438.96	> LOQ 89.88	790.68	> LOQ 89.47	455.58	> LOQ 89.05
G-6B	86.14	< LOQ 88.19	337.2	> LOQ 90.62	572.36	> LOQ 87.90	175.4	> LOQ 88.73
G-7A	ND	< LOD 41.26	ND	< LOD 41.48	79.27	< LOQ 89.70	ND	< LOD 41.88
G-7B	ND	< LOD 41.08	52.02	< LOQ 89.47	ND	< LOD 42.41	ND	< LOD 42.31
SG-1A	ND	< LOD 40.83	ND	< LOD 41.49	145.29	> LOQ 89.25	412.63	< LOQ 88.71
SG-1B	ND	< LOD 76.86	96.08	< LOQ 165.26	ND	< LOD 76.63	1447.62	> LOQ 838.10
SG-2A	82.32	< LOQ 176.99	83.51	< LOQ 89.77	159.62	< LOQ 178.28	952.38	> LOQ 178.05
SG-2B	ND	< LOD 41.49	45.28	< LOQ 88.50	144.23	> LOQ 89.88	479.67	< LOQ 896.77

Airborne Sample Data Analysis - Platinum
 NIOSH REL 1000.0 micrograms/cubic meter
 OSHA PEL 1000.0 micrograms/cubic meter (Proposed)

Abrasive Type	@ Make-up Air Area		@ Operator Area		@ Exhaust Area		Operator's Breathing Zone	
	Fixed Station #1		Fixed Station #2		Fixed Station #3		(OBZ)	
	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note
CG-01	ND	< LOD 61.78	ND	< LOD 62.50	ND	< LOD 61.89	ND	< LOD 62.10
CS-01	ND	< LOD 61.79	ND	< LOD 62.50	ND	< LOD 61.89	ND	< LOD 62.60
CS-02	ND	< LOD 62.40	ND	< LOD 62.71	ND	< LOD 62.49	ND	< LOD 62.51
CS-03	ND	< LOD 61.87	ND	< LOD 62.12	ND	< LOD 62.21	ND	< LOD 62.12
CS-04	ND	< LOD 61.72	ND	< LOD 62.79	ND	< LOD 62.12	ND	< LOD 61.75
CS-05	ND	< LOD 61.93	ND	< LOD 62.59	ND	< LOD 62.79	ND	< LOD 98.65
CS-06	ND	< LOD 62.55	ND	< LOD 62.83	ND	< LOD 62.10	ND	< LOD 62.45
CS-07	ND	< LOD 61.78	ND	< LOD 62.55	ND	< LOD 62.42	ND	< LOD 62.55
CSDS-01	ND	< LOD 62.29	ND	< LOD 62.49	ND	< LOD 62.29	ND	< LOD 62.41
CSDS-02	ND	< LOD 61.82	ND	< LOD 62.03	ND	< LOD 62.10	ND	< LOD 62.79
N-01	ND	< LOD 60.96	ND	< LOD 62.55	ND	< LOD 62.09	ND	< LOD 61.48
N-02	ND	< LOD 61.27	ND	< LOD 62.36	ND	< LOD 312.43	ND	< LOD 62.25
O-1	82.37	< LOQ 154.45	ND	< LOD 62.64	ND	< LOD 61.64	69.07	< LOQ 156.97
S-01	ND	< LOD 62.29	ND	< LOD 62.64	ND	< LOD 62.63	ND	< LOD 62.59
S-02	ND	< LOD 62.53	ND	< LOD 62.81	ND	< LOD 62.50	ND	< LOD 62.64
SH-01	ND	< LOD 62.66	ND	< LOD 62.68	ND	< LOD 62.19	ND	< LOD 62.40
SS-01	ND	< LOD 61.93	ND	< LOD 62.63	ND	< LOD 62.05	ND	< LOD 62.11
SS-02	ND	< LOD 62.33	ND	< LOD 62.57	ND	< LOD 62.09	ND	< LOD 61.70
SS-03	ND	< LOD 156.09	ND	< LOD 63.03	ND	< LOD 61.30	ND	< LOD 60.47
SS-04	ND	< LOD 62.75	ND	< LOD 62.79	ND	< LOD 62.76	ND	< LOD 61.74
SS-05	ND	< LOD 60.27	ND	< LOD 62.92	ND	< LOD 62.36	ND	< LOD 61.49
SS-06	ND	< LOD 60.99	ND	< LOD 62.16	ND	< LOD 62.92	ND	< LOD 62.72
SS-07	69.73	< LOQ 153.81	ND	< LOD 62.33	ND	< LOD 62.67	ND	< LOD 61.87
SSDS-01	ND	< LOD 61.75	ND	< LOD 62.71	ND	< LOD 61.87	ND	< LOD 62.09
SSDS-02	ND	< LOD 62.51	ND	< LOD 62.50	ND	< LOD 61.91	ND	< LOD 60.77
SSDS-03	ND	< LOD 60.63	ND	< LOD 59.58	ND	< LOD 59.71	ND	< LOD 62.16
CP-1A	ND	< LOD 61.87	ND	< LOD 62.14	ND	< LOD 62.25	ND	< LOD 62.84
CP-1B	ND	< LOD 70.72	ND	< LOD 71.39	103.60	< LOQ 176.60	ND	< LOD 71.82
CP-2A	ND	< LOD 61.89	ND	< LOD 62.74	ND	< LOD 124.43	ND	< LOD 62.32
CP-2B	ND	< LOD 61.97	ND	< LOD 62.63	ND	< LOD 62.16	ND	< LOD 63.12
CP-3A	ND	< LOD 61.96	ND	< LOD 62.59	ND	< LOD 124.10	ND	< LOD 124.17
CP-3B	ND	< LOD 82.55	ND	< LOD 83.29	ND	< LOD 82.24	ND	< LOD 74.50
CP-4A	ND	< LOD 61.80	ND	< LOD 62.88	306.06	< LOQ 775.35	ND	< LOD 61.55
CP-4B	ND	< LOD 59.94	ND	< LOD 123.79	ND	< LOD 309.34	ND	< LOD 61.20
CPDS-1A	ND	< LOD 60.80	ND	< LOD 61.87	ND	< LOD 61.95	ND	< LOD 61.51
CPDS-1B	ND	< LOD 60.66	ND	< LOD 62.05	ND	< LOD 61.45	ND	< LOD 60.05
G-1A	ND	< LOD 62.33	ND	< LOD 62.67	ND	< LOD 62.28	ND	< LOD 61.34
G-1B	ND	< LOD 62.14	ND	< LOD 63.32	ND	< LOD 62.28	ND	< LOD 62.21
G-2A	ND	< LOD 63.22	ND	< LOD 63.67	ND	< LOD 62.19	ND	< LOD 62.45
G-2B	ND	< LOD 61.49	ND	< LOD 62.28	ND	< LOD 62.75	ND	< LOD 61.80
G-3A	ND	< LOD 62.06	ND	< LOD 62.36	ND	< LOD 62.96	ND	< LOD 62.51
G-4A	ND	< LOD 60.93	ND	< LOD 62.02	ND	< LOD 61.64	ND	< LOD 62.29
G-4B	ND	< LOD 62.01	ND	< LOD 62.49	ND	< LOD 62.01	ND	< LOD 61.96
G-5A	ND	< LOD 61.75	ND	< LOD 62.27	ND	< LOD 62.43	ND	< LOD 62.72
G-5B	ND	< LOD 62.66	ND	< LOD 62.29	ND	< LOD 62.53	ND	< LOD 62.51
G-6A	ND	< LOD 62.37	ND	< LOD 62.71	ND	< LOD 62.42	ND	< LOD 62.12
G-6B	ND	< LOD 61.53	ND	< LOD 63.22	ND	< LOD 61.32	ND	< LOD 61.91
G-7A	ND	< LOD 61.89	ND	< LOD 62.21	ND	< LOD 62.58	ND	< LOD 62.83
G-7B	ND	< LOD 61.63	ND	< LOD 62.42	ND	< LOD 63.61	ND	< LOD 63.47
SG-1A	ND	< LOD 61.25	ND	< LOD 62.24	ND	< LOD 124.53	618.94	< LOQ 1547.35
SG-1B	ND	< LOD 115.30	ND	< LOD 115.30	ND	< LOD 114.94	ND	< LOD 571.43
SG-2A	ND	< LOD 123.48	119	< LOQ 156.58	ND	< LOD 124.38	621.12	< LOQ 1552.80
SG-2B	ND	< LOD 62.24	ND	< LOD 61.74	ND	< LOD 313.55	ND	< LOD 625.65

Airborne Sample Data Analysis - Selenium

NIOSH REL 200.0 micrograms/cubic meter

OSHA PEL 200.0 micrograms/cubic meter

Abrasive Type	@ Make-up Air Area		@ Operator Area		@ Exhaust Area		Operator's Breathing Zone	
	Fixed Station #1		Fixed Station #2		Fixed Station #3		(OBZ)	
	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note
CG-01	ND	< LOD 41.19	ND	< LOD 41.67	ND	< LOD 41.26	ND	< LOD 41.40
CS-01	ND	< LOD 41.19	ND	< LOD 41.67	ND	< LOD 41.26	ND	< LOD 41.74
CS-02	ND	< LOD 41.60	ND	< LOD 41.81	ND	< LOD 41.66	ND	< LOD 41.68
CS-03	ND	< LOD 41.25	ND	< LOD 41.42	ND	< LOD 41.48	ND	< LOD 41.42
CS-04	ND	< LOD 41.14	ND	< LOD 90.00	ND	< LOD 41.42	ND	< LOD 41.17
CS-05	ND	< LOD 41.29	ND	< LOD 41.73	ND	< LOD 41.86	ND	< LOD 65.77
CS-06	ND	< LOD 41.70	ND	< LOD 41.88	ND	< LOD 41.40	ND	< LOD 41.63
CS-07	ND	< LOD 41.19	ND	< LOD 41.70	ND	< LOD 41.61	ND	< LOD 41.70
CSDS-01	ND	< LOD 41.53	ND	< LOD 41.66	ND	< LOD 41.53	ND	< LOD 41.61
CSDS-02	ND	< LOD 41.21	ND	< LOD 41.36	ND	< LOD 41.40	ND	< LOD 41.86
N-01	ND	< LOD 40.64	ND	< LOD 41.70	ND	< LOD 41.39	ND	< LOD 40.98
N-02	ND	< LOD 40.85	ND	< LOD 41.57	ND	< LOD 208.29	ND	< LOD 41.50
O-1	ND	< LOD 41.19	ND	< LOD 41.76	ND	< LOD 41.09	ND	< LOD 41.86
S-01	ND	< LOD 41.53	ND	< LOD 41.76	ND	< LOD 41.75	ND	< LOD 41.73
S-02	ND	< LOD 41.68	ND	< LOD 41.88	ND	< LOD 41.67	ND	< LOD 41.76
SH-01	ND	< LOD 41.77	ND	< LOD 41.79	ND	< LOD 41.46	ND	< LOD 41.60
SS-01	ND	< LOD 41.29	ND	< LOD 41.75	ND	< LOD 41.37	ND	< LOD 41.41
SS-02	ND	< LOD 41.55	ND	< LOD 41.71	ND	< LOD 41.39	ND	< LOD 41.14
SS-03	ND	< LOD 89.49	ND	< LOD 42.02	ND	< LOD 40.87	ND	< LOD 40.31
SS-04	ND	< LOD 41.83	ND	< LOD 41.86	ND	< LOD 41.84	ND	< LOD 41.16
SS-05	ND	< LOD 40.18	ND	< LOD 41.95	ND	< LOD 41.57	ND	< LOD 40.99
SS-06	ND	< LOD 40.66	ND	< LOD 41.44	ND	< LOD 41.95	ND	< LOD 41.81
SS-07	ND	< LOD 41.02	ND	< LOD 41.55	ND	< LOD 41.78	ND	< LOD 41.25
SSDS-01	ND	< LOD 41.17	ND	< LOD 41.81	ND	< LOD 41.25	ND	< LOD 41.39
SSDS-02	ND	< LOD 41.68	ND	< LOD 41.67	ND	< LOD 41.27	ND	< LOD 40.51
SSDS-03	ND	< LOD 40.42	ND	< LOD 39.72	ND	< LOD 39.81	ND	< LOD 41.44
CP-1A	ND	< LOD 41.25	ND	< LOD 41.43	ND	< LOD 41.50	ND	< LOD 41.89
CP-1B	ND	< LOD 47.15	ND	< LOD 47.60	ND	< LOD 47.09	ND	< LOD 47.88
CP-2A	ND	< LOD 41.26	ND	< LOD 41.82	ND	< LOD 82.95	ND	< LOD 41.55
CP-2B	ND	< LOD 41.31	ND	< LOD 41.75	ND	< LOD 41.44	ND	< LOD 42.08
CP-3A	ND	< LOD 41.31	ND	< LOD 41.73	ND	< LOD 82.73	ND	< LOD 82.78
CP-3B	ND	< LOD 55.04	ND	< LOD 55.52	ND	< LOD 109.65	ND	< LOD 49.66
CP-4A	ND	< LOD 41.20	ND	< LOD 41.92	ND	< LOD 408.08	ND	< LOD 41.03
CP-4B	ND	< LOD 39.96	ND	< LOD 41.26	ND	< LOD 206.23	ND	< LOD 40.80
CPDS-1A	ND	< LOD 40.54	ND	< LOD 41.25	ND	< LOD 41.30	ND	< LOD 41.01
CPDS-1B	ND	< LOD 40.44	ND	< LOD 41.37	ND	< LOD 81.93	ND	< LOD 40.03
G-1A	ND	< LOD 41.55	ND	< LOD 41.78	ND	< LOD 41.52	ND	< LOD 40.89
G-1B	ND	< LOD 41.43	ND	< LOD 42.21	ND	< LOD 41.52	ND	< LOD 41.48
G-2A	ND	< LOD 42.15	ND	< LOD 42.44	ND	< LOD 41.46	ND	< LOD 41.63
G-2B	ND	< LOD 40.99	ND	< LOD 41.52	ND	< LOD 41.83	ND	< LOD 41.20
G-3A	ND	< LOD 41.37	ND	< LOD 41.57	ND	< LOD 41.97	ND	< LOD 41.68
G-4A	ND	< LOD 40.62	ND	< LOD 41.35	ND	< LOD 41.09	ND	< LOD 41.53
G-4B	ND	< LOD 41.34	ND	< LOD 41.66	ND	< LOD 41.34	ND	< LOD 41.31
G-5A	ND	< LOD 41.17	ND	< LOD 41.51	ND	< LOD 41.62	ND	< LOD 41.81
G-5B	ND	< LOD 41.77	ND	< LOD 41.53	ND	< LOD 41.68	ND	< LOD 41.68
G-6A	ND	< LOD 41.58	ND	< LOD 41.81	ND	< LOD 41.61	ND	< LOD 41.42
G-6B	ND	< LOD 41.02	ND	< LOD 42.15	ND	< LOD 40.88	ND	< LOD 41.27
G-7A	ND	< LOD 41.26	ND	< LOD 41.48	ND	< LOD 41.72	ND	< LOD 41.88
G-7B	ND	< LOD 41.08	ND	< LOD 41.61	ND	< LOD 42.41	ND	< LOD 42.31
SG-1A	ND	< LOD 40.83	ND	< LOD 41.49	ND	< LOD 41.51	ND	< LOD 206.31
SG-1B	ND	< LOD 76.86	ND	< LOD 76.86	ND	< LOD 76.63	ND	< LOD 761.90
SG-2A	ND	< LOD 41.16	ND	< LOD 41.75	ND	< LOD 41.46	ND	< LOD 82.82
SG-2B	ND	< LOD 41.49	ND	< LOD 41.16	ND	< LOD 209.03	ND	< LOD 417.10

Airborne Sample Data Analysis - Silver

NIOSH REL 10.0 micrograms/cubic meter

OSHA PEL 10.0 micrograms/cubic meter

Abrasives Type	@ Make-up Air Area		@ Operator Area		@ Exhaust Area		Operator's Breathing Zone	
	Fixed Station #1		Fixed Station #2		Fixed Station #3		(OBZ)	
	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note
CG-01	ND	< LOD 1.65	ND	< LOD 1.67	ND	< LOD 1.65	ND	< LOD 1.66
CS-01	ND	< LOD 1.65	ND	< LOD 1.67	ND	< LOD 1.65	ND	< LOD 1.67
CS-02	ND	< LOD 1.66	ND	< LOD 1.67	ND	< LOD 1.67	ND	< LOD 1.67
CS-03	ND	< LOD 1.65	ND	< LOD 1.66	ND	< LOD 1.66	ND	< LOD 1.66
CS-04	ND	< LOD 1.65	ND	< LOD 5.23	ND	< LOD 1.66	ND	< LOD 1.65
CS-05	ND	< LOD 1.65	ND	< LOD 1.67	ND	< LOD 1.67	ND	< LOD 2.63
CS-06	1.94	< LOQ 5.21	ND	< LOD 1.68	ND	< LOD 1.66	ND	< LOD 1.67
CS-07	ND	< LOD 1.65	ND	< LOD 1.67	ND	< LOD 1.66	ND	< LOD 1.67
CSDS-01	ND	< LOD 1.66	20.62	< LOQ 5.21	ND	< LOD 1.66	ND	< LOD 1.66
CSDS-02	ND	< LOD 1.65	ND	< LOD 1.65	1.95	< LOQ 5.17	ND	< LOD 1.67
N-01	ND	< LOD 1.63	ND	< LOD 1.67	ND	< LOD 1.66	ND	< LOD 1.64
N-02	ND	< LOD 1.63	ND	< LOD 1.66	ND	< LOD 1.67	ND	< LOD 1.66
O-1	ND	< LOD 1.65	ND	< LOD 1.67	ND	< LOD 1.64	ND	< LOD 1.67
S-01	ND	< LOD 1.66	ND	< LOD 1.67	ND	< LOD 1.67	ND	< LOD 1.67
S-02	ND	< LOD 1.67	ND	< LOD 1.68	ND	< LOD 1.67	ND	< LOD 1.67
SH-01	ND	< LOD 1.67	ND	< LOD 1.67	ND	< LOD 1.66	ND	< LOD 1.66
SS-01	ND	< LOD 1.65	ND	< LOD 1.67	ND	< LOD 1.65	ND	< LOD 1.66
SS-02	ND	< LOD 1.66	ND	< LOD 1.67	ND	< LOD 1.66	ND	< LOD 1.65
SS-03	ND	< LOD 1.66	ND	< LOD 1.68	ND	< LOD 1.63	ND	< LOD 1.61
SS-04	ND	< LOD 1.67	ND	< LOD 1.67	ND	< LOD 1.67	ND	< LOD 1.65
SS-05	ND	< LOD 1.61	ND	< LOD 1.68	ND	< LOD 1.66	ND	< LOD 1.64
SS-06	ND	< LOD 1.63	ND	< LOD 1.66	ND	< LOD 1.68	ND	< LOD 1.67
SS-07	ND	< LOD 1.64	ND	< LOD 1.66	ND	< LOD 1.67	ND	< LOD 1.65
SSDS-01	ND	< LOD 1.65	ND	< LOD 1.67	ND	< LOD 1.65	1.78	< LOQ 5.17
SSDS-02	ND	< LOD 1.67	ND	< LOD 1.67	ND	< LOD 1.65	ND	< LOD 1.62
SSDS-03	ND	< LOD 1.62	ND	< LOD 1.59	ND	< LOD 1.59	ND	< LOD 1.66
CP-1A	ND	< LOD 1.65	ND	< LOD 1.66	ND	< LOD 1.66	ND	< LOD 1.68
CP-1B	ND	< LOD 1.89	ND	< LOD 1.90	ND	< LOD 1.88	ND	< LOD 1.92
CP-2A	ND	< LOD 1.65	2.93	< LOQ 5.23	13.69	> LOQ 10.37	4.78	< LOQ 5.19
CP-2B	2.27	< LOQ 5.16	ND	< LOD 1.67	4.35	< LOQ 5.18	ND	< LOD 1.68
CP-3A	3.51	< LOQ 5.16	7.72	> LOQ 5.22	17.79	> LOQ 5.17	14.49	> LOQ 5.17
CP-3B	4.4	< LOQ 6.88	12.49	> LOQ 6.94	17.82	> LOQ 6.85	8.19	> LOQ 6.21
CP-4A	ND	< LOD 1.65	6.71	> LOQ 5.24	77.54	> LOQ 8.16	8.62	> LOQ 5.13
CP-4B	2.8	< LOQ 5.00	10.73	> LOQ 5.16	30.93	> LOQ 10.31	2.24	< LOQ 5.10
CPDS-1A	ND	< LOD 1.62	2.68	< LOQ 5.16	4.75	< LOQ 5.16	ND	< LOD 1.64
CPDS-1B	ND	< LOD 1.62	3.31	< LOQ 5.17	9.42	> LOQ 5.12	1.78	< LOQ 5.00
G-1A	ND	< LOD 1.66	ND	< LOD 1.67	ND	< LOD 1.66	ND	< LOD 1.64
G-1B	ND	< LOD 1.66	ND	< LOD 1.69	ND	< LOD 1.66	ND	< LOD 1.66
G-2A	ND	< LOD 1.69	ND	< LOD 1.70	ND	< LOD 1.66	ND	< LOD 1.67
G-2B	ND	< LOD 1.64	ND	< LOD 1.66	ND	< LOD 1.67	ND	< LOD 1.65
G-3A	ND	< LOD 1.65	ND	< LOD 1.66	ND	< LOD 1.68	ND	< LOD 1.67
G-4A	ND	< LOD 1.62	ND	< LOD 1.65	ND	< LOD 1.64	ND	< LOD 1.66
G-4B	ND	< LOD 1.65	ND	< LOD 1.67	ND	< LOD 1.65	ND	< LOD 1.65
G-5A	ND	< LOD 1.65	ND	< LOD 1.66	ND	< LOD 1.66	ND	< LOD 1.67
G-5B	ND	< LOD 1.67	ND	< LOD 1.66	ND	< LOD 1.67	ND	< LOD 1.67
G-6A	ND	< LOD 1.66	ND	< LOD 1.67	ND	< LOD 1.66	ND	< LOD 1.66
G-6B	ND	< LOD 1.64	ND	< LOD 1.69	ND	< LOD 1.64	ND	< LOD 1.65
G-7A	ND	< LOD 1.65	3.11	< LOQ 5.18	ND	< LOD 1.67	ND	< LOD 1.68
G-7B	ND	< LOD 1.64	ND	< LOD 1.66	ND	< LOD 1.70	ND	< LOD 1.69
SG-1A	ND	< LOD 1.63	ND	< LOD 1.66	ND	< LOD 1.66	ND	< LOD 8.25
SG-1B	ND	< LOD 3.07	ND	< LOD 3.07	ND	< LOD 3.07	15.24	> LOQ 49.52
SG-2A	ND	< LOD 3.29	ND	< LOD 1.67	ND	< LOD 3.32	ND	< LOD 8.28
SG-2B	ND	< LOD 1.66	ND	< LOD 1.65	ND	< LOD 1.67	ND	< LOD 8.34

Airborne Sample Data Analysis - Sodium

NIOSH REL 10000.0 micrograms/cubic meter (nuisance)

OSHA PEL 15,000.0 micrograms/cubic meter (nuisance)

Abrasive	@ Make-up Air Area		@ Operator Area		@ Exhaust Area		Operator 's Breathing Zone	
	Fixed Station #1		Fixed Station #2		Fixed Station #3		(OBZ)	
	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note
CG-01	1400.33	> LOQ 140.03	12083.33	> LOQ 141.67	18361.87	> LOQ 140.29	6830.88	> LOQ 140.76
CS-01	803.3	> LOQ 140.06	2291.67	> LOQ 141.67	8665.15	> LOQ 140.29	2295.49	> LOQ 141.90
CS-02	748.75	> LOQ 141.43	1630.43	> LOQ 142.14	5832.12	> LOQ 141.64	2292.14	> LOQ 141.70
CS-03	845.54	> LOQ 140.24	2899.15	> LOQ 140.82	9539.61	> LOQ 141.02	2692.07	> LOQ 140.82
CS-04	329.15	> LOQ 139.89	502.3	> LOQ 142.32	993.99	> LOQ 140.82	617.54	> LOQ 139.98
CS-05	268.37	> LOQ 140.38	563.32	> LOQ 141.87	1213.90	> LOQ 142.32	822.1	> LOQ 223.61
CS-06	896.58	> LOQ 141.78	1780.1	> LOQ 142.41	1966.47	> LOQ 140.76	1436.3	> LOQ 141.55
CS-07	1214.99	> LOQ 140.03	3127.61	> LOQ 141.78	12068.25	> LOQ 141.49	2710.59	> LOQ 141.78
CSDS-01	519.1	> LOQ 141.20	1478.86	> LOQ 141.64	4152.82	> LOQ 141.20	2080.3	> LOQ 141.46
CSDS-02	947.87	> LOQ 140.12	2688.17	> LOQ 140.61	9728.83	> LOQ 140.76	3767.27	> LOQ 142.32
N-01	243.85	> LOQ 138.18	333.61	> LOQ 141.78	745.03	> LOQ 140.73	573.77	> LOQ 139.34
N-02	2246.73	> LOQ 138.89	4988.57	> LOQ 141.34	18954.38	> LOQ 141.64	3735.21	> LOQ 141.11
O-1	226.52	> LOQ 140.03	250.57	> LOQ 141.99	226.01	> LOQ 139.72	272.08	> LOQ 142.32
S-01	311.46	> LOQ 141.20	313.22	> LOQ 141.99	480.17	> LOQ 141.96	312.96	> LOQ 141.87
S-02	291.79	> LOQ 141.73	293.13	> LOQ 142.38	354.17	> LOQ 141.67	271.46	> LOQ 141.99
SH-01	229.74	> LOQ 142.02	250.73	> LOQ 142.08	269.49	> LOQ 140.96	249.58	> LOQ 141.43
SS-01	247.73	> LOQ 140.38	271.4	> LOQ 141.96	248.19	> LOQ 140.64	289.86	> LOQ 140.79
SS-02	228.55	> LOQ 141.28	291.97	> LOQ 141.81	248.34	> LOQ 140.73	267.38	> LOQ 139.86
SS-03	208.12	> LOQ 208.12	252.1	> LOQ 142.86	245.20	> LOQ 138.95	221.73	> LOQ 137.07
SS-04	334.66	> LOQ 142.23	544.16	> LOQ 142.32	606.69	> LOQ 142.26	535.09	> LOQ 139.95
SS-05	200.88	> LOQ 136.60	692.11	> LOQ 142.62	249.43	> LOQ 141.34	266.45	> LOQ 139.37
SS-06	711.53	> LOQ 138.24	1388.31	> LOQ 140.90	73.41	< LOQ 142.62	919.92	> LOQ 142.17
SS-07	389.66	> LOQ 139.46	914.19	> LOQ 141.28	1002.72	> LOQ 142.05	783.67	> LOQ 140.24
SSDS-01	308.77	> LOQ 139.98	250.84	> LOQ 142.14	268.10	> LOQ 140.24	289.74	> LOQ 140.73
SSDS-02	354.24	> LOQ 141.70	520.83	> LOQ 141.67	598.43	> LOQ 140.32	708.93	> LOQ 137.74
SSDS-03	222.31	> LOQ 137.43	198.61	> LOQ 135.05	238.85	> LOQ 135.35	207.21	> LOQ 140.90
CP-1A	453.7	> LOQ 140.24	1636.29	> LOQ 140.85	2490.14	> LOQ 141.11	1068.29	> LOQ 142.44
CP-1B	730.79	> LOQ 160.30	1142.31	> LOQ 161.83	4709.21	> LOQ 160.11	1077.33	> LOQ 162.80
CP-2A	495.15	> LOQ 140.29	773.73	> LOQ 142.20	3525.51	> LOQ 290.34	1454.09	> LOQ 141.25
CP-2B	784.96	> LOQ 140.47	563.67	> LOQ 141.96	1491.92	> LOQ 140.90	946.77	> LOQ 143.07
CP-3A	1672.86	> LOQ 140.44	3546.84	> LOQ 141.87	20682.52	> LOQ 140.64	17177.15	> LOQ 140.73
CP-3B	2201.43	> LOQ 187.12	10827.32	> LOQ 188.78	14528.51	> LOQ 186.40	6704.74	> LOQ 168.86
CP-4A	844.66	> LOQ 140.09	1592.96	> LOQ 142.53	5305.04	> LOQ 693.74	1128.44	> LOQ 139.52
CP-4B	419.58	> LOQ 135.86	825.25	> LOQ 140.29	3299.65	> LOQ 288.72	836.39	> LOQ 138.72
CPDS-1A	526.96	> LOQ 137.82	639.31	> LOQ 140.24	3097.25	> LOQ 140.41	1886.41	> LOQ 139.43
CPDS-1B	525.68	> LOQ 137.48	703.21	> LOQ 140.64	2662.84	> LOQ 139.29	640.51	> LOQ 136.11
G-1A	249.32	> LOQ 141.28	334.24	> LOQ 142.05	415.20	> LOQ 141.17	368.02	> LOQ 139.03
G-1B	227.84	> LOQ 140.85	232.17	> LOQ 143.52	269.88	> LOQ 141.17	269.6	> LOQ 141.02
G-2A	252.9	> LOQ 143.31	254.67	> LOQ 144.31	228.03	> LOQ 140.96	228.98	> LOQ 141.55
G-2B	225.46	> LOQ 139.37	269.88	> LOQ 141.17	230.08	> LOQ 142.23	247.22	> LOQ 140.09
G-3A	227.55	> LOQ 140.67	228.64	> LOQ 141.34	293.81	> LOQ 142.71	204.21	> LOQ 141.70
G-4A	264.01	> LOQ 138.10	289.44	> LOQ 140.58	452.02	> LOQ 139.72	352.99	> LOQ 141.20
G-4B	227.37	> LOQ 140.55	312.43	> LOQ 141.64	227.37	> LOQ 140.55	268.48	> LOQ 140.44
G-5A	226.43	> LOQ 139.98	249.07	> LOQ 141.14	270.55	> LOQ 141.52	229.98	> LOQ 142.17
G-5B	271.51	> LOQ 142.02	269.93	> LOQ 141.20	270.95	> LOQ 141.73	250.05	> LOQ 141.70
G-6A	311.85	> LOQ 141.37	606.19	> LOQ 142.14	332.92	> LOQ 141.49	331.33	> LOQ 140.82
G-6B	246.1	> LOQ 139.46	295.05	> LOQ 143.31	286.18	> LOQ 139.00	371.44	> LOQ 140.32
G-7A	226.94	> LOQ 140.29	248.86	> LOQ 141.02	208.59	> LOQ 141.84	607.33	> LOQ 142.41
G-7B	225.97	> LOQ 139.69	686.64	> LOQ 141.49	678.54	> LOQ 144.19	634.65	> LOQ 143.85
SG-1A	285.83	> LOQ 138.83	248.96	> LOQ 141.08	373.60	> LOQ 141.14	1093.46	> LOQ 701.46
SG-1B	538.05	> LOQ 261.34	614.91	> LOQ 261.34	613.03	> LOQ 260.54	457.14	< LOQ 1295.24
SG-2A	189.34	> LOQ 139.95	229.65	> LOQ 141.96	269.49	> LOQ 140.96	ND	< LOD 82.82
SG-2B	684.65	> LOQ 141.08	679.15	> LOQ 139.95	459.87	> LOQ 142.14	500.52	< LOQ 709.07

Airborne Sample Data Analysis - Tellurium

NIOSH REL 100.0 micrograms/cubic meter

OSHA PEL 100.0 micrograms/cubic meter

	@ Make-up Air Area		@ Operator Area		@ Exhaust Area		Operator's Breathing Zone	
Abrasive	Fixed Station #1		Fixed Station #2		Fixed Station #3		(OBZ)	
Type	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note
CG-01	ND	< LOD 16.47	ND	< LOD 16.67	ND	< LOD 16.51	ND	< LOD 16.56
CS-01	ND	< LOD 16.48	ND	< LOD 16.67	ND	< LOD 16.51	ND	< LOD 16.69
CS-02	ND	< LOD 16.64	ND	< LOD 16.72	ND	< LOD 16.66	ND	< LOD 16.67
CS-03	ND	< LOD 16.50	ND	< LOD 16.57	ND	< LOD 16.59	ND	< LOD 16.57
CS-04	ND	< LOD 16.46	ND	< LOD 16.74	ND	< LOD 16.57	ND	< LOD 16.47
CS-05	ND	< LOD 16.52	ND	< LOD 16.69	ND	< LOD 16.74	ND	< LOD 26.31
CS-06	ND	< LOD 16.68	ND	< LOD 16.75	ND	< LOD 16.56	ND	< LOD 16.65
CS-07	ND	< LOD 16.47	ND	< LOD 16.68	16.85	< LOQ 52.02	ND	< LOD 16.68
CSDS-01	ND	< LOD 16.61	19.16	< LOQ 52.07	ND	< LOD 16.61	ND	< LOD 16.64
CSDS-02	ND	< LOD 16.48	ND	< LOD 16.54	ND	< LOD 16.56	ND	< LOD 16.74
N-01	ND	< LOD 16.26	ND	< LOD 16.68	ND	< LOD 16.56	ND	< LOD 16.39
N-02	ND	< LOD 16.34	ND	< LOD 16.63	ND	< LOD 16.66	ND	< LOD 16.60
O-1	ND	< LOD 16.47	ND	< LOD 16.70	ND	< LOD 16.44	27.21	< LOQ 52.32
S-01	ND	< LOD 16.61	ND	< LOD 16.70	33.40	< LOQ 52.19	ND	< LOD 16.69
S-02	ND	< LOD 16.67	ND	< LOD 16.75	ND	< LOD 16.67	ND	< LOD 16.70
SH-01	ND	< LOD 16.71	ND	< LOD 16.72	ND	< LOD 16.58	ND	< LOD 16.64
SS-01	ND	< LOD 16.52	ND	< LOD 16.70	ND	< LOD 16.55	ND	< LOD 16.56
SS-02	ND	< LOD 16.62	ND	< LOD 16.68	ND	< LOD 16.56	ND	< LOD 16.45
SS-03	ND	< LOD 16.65	ND	< LOD 16.81	ND	< LOD 16.35	ND	< LOD 16.13
SS-04	ND	< LOD 16.73	ND	< LOD 16.74	ND	< LOD 16.74	ND	< LOD 16.46
SS-05	ND	< LOD 16.07	ND	< LOD 16.78	ND	< LOD 16.63	ND	< LOD 16.40
SS-06	ND	< LOD 16.26	ND	< LOD 16.58	ND	< LOD 16.78	ND	< LOD 16.73
SS-07	43.07	< LOQ 51.27	ND	< LOD 16.62	ND	< LOD 16.71	ND	< LOD 16.50
SSDS-01	ND	< LOD 16.47	ND	< LOD 16.72	16.50	< LOQ 51.56	ND	< LOD 16.56
SSDS-02	ND	< LOD 16.67	ND	< LOD 16.67	ND	< LOD 16.51	ND	< LOD 16.20
SSDS-03	ND	< LOD 16.17	ND	< LOD 15.89	ND	< LOD 15.92	ND	< LOD 16.58
CP-1A	ND	< LOD 16.50	ND	< LOD 16.57	ND	< LOD 16.60	ND	< LOD 16.76
CP-1B	ND	< LOD 18.86	ND	< LOD 19.04	ND	< LOD 18.84	ND	< LOD 19.15
CP-2A	ND	< LOD 16.51	ND	< LOD 16.73	ND	< LOD 33.18	35.31	< LOQ 51.93
CP-2B	24.79	< LOQ 51.64	ND	< LOD 16.70	ND	< LOD 16.58	ND	< LOD 16.83
CP-3A	ND	< LOD 16.52	17.53	< LOQ 52.16	ND	< LOD 16.55	ND	< LOD 16.56
CP-3B	ND	< LOD 22.01	ND	< LOD 22.21	ND	< LOD 21.93	ND	< LOD 19.87
CP-4A	ND	< LOD 16.48	ND	< LOD 16.77	204.04	< LOQ 265.25	19.9	< LOQ 51.29
CP-4B	ND	< LOD 15.98	39.2	< LOQ 51.58	226.85	< LOQ 268.10	ND	< LOD 16.32
CPDS-1A	24.32	< LOQ 50.67	30.93	< LOQ 51.56	51.62	> LOQ 51.62	ND	< LOD 16.40
CPDS-1B	ND	< LOD 16.17	26.89	< LOQ 51.71	ND	< LOD 16.39	ND	< LOD 16.01
G-1A	ND	< LOD 16.62	ND	< LOD 16.71	ND	< LOD 16.61	ND	< LOD 16.36
G-1B	ND	< LOD 16.57	ND	< LOD 16.88	ND	< LOD 16.61	ND	< LOD 16.59
G-2A	ND	< LOD 16.86	ND	< LOD 16.98	ND	< LOD 16.58	ND	< LOD 16.65
G-2B	ND	< LOD 16.40	ND	< LOD 16.61	ND	< LOD 16.73	ND	< LOD 16.48
G-3A	ND	< LOD 16.55	ND	< LOD 16.63	ND	< LOD 16.79	ND	< LOD 16.67
G-4A	20.31	< LOQ 50.77	ND	< LOD 16.54	ND	< LOD 16.44	ND	< LOD 16.61
G-4B	ND	< LOD 16.54	ND	< LOD 16.66	ND	< LOD 16.54	ND	< LOD 16.52
G-5A	ND	< LOD 16.47	19.72	< LOQ 51.89	ND	< LOD 16.65	ND	< LOD 16.73
G-5B	ND	< LOD 16.71	ND	< LOD 16.61	ND	< LOD 16.67	ND	< LOD 16.67
G-6A	ND	< LOD 16.63	ND	< LOD 16.72	ND	< LOD 16.65	ND	< LOD 16.57
G-6B	ND	< LOD 16.41	ND	< LOD 16.86	ND	< LOD 16.35	ND	< LOD 16.51
G-7A	ND	< LOD 16.51	ND	< LOD 16.59	ND	< LOD 16.69	ND	< LOD 16.75
G-7B	ND	< LOD 16.43	ND	< LOD 16.65	ND	< LOD 16.96	17.77	< LOQ 52.89
SG-1A	ND	< LOD 16.33	ND	< LOD 16.60	ND	< LOD 16.60	ND	< LOD 82.53
SG-1B	ND	< LOD 30.75	ND	< LOD 30.75	ND	< LOD 30.65	ND	< LOD 152.38
SG-2A	ND	< LOD 16.46	ND	< LOD 16.70	ND	< LOD 16.58	68.32	< LOQ 103.52
SG-2B	ND	< LOD 16.60	ND	< LOD 16.46	ND	< LOD 16.72	ND	< LOD 83.42

Airborne Sample Data Analysis - Thallium
 NIOSH REL 100.0 micrograms/cubic meter
 OSHA PEL 100.0 micrograms/cubic meter

	@ Make-up Air Area		@ Operator Area		@ Exhaust Area		Operator 's Breathing Zone	
Abrasive	Fixed Station #1		Fixed Station #2		Fixed Station #3		(OBZ)	
Type	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note
CG-01	ND	< LOD 61.78	ND	< LOD 62.50	ND	< LOD 61.89	ND	< LOD 62.10
CS-01	ND	< LOD 61.79	ND	< LOD 62.50	ND	< LOD 61.89	ND	< LOD 62.60
CS-02	ND	< LOD 62.40	ND	< LOD 62.71	ND	< LOD 62.49	ND	< LOD 62.51
CS-03	ND	< LOD 61.87	ND	< LOD 62.12	ND	< LOD 62.21	ND	< LOD 62.12
CS-04	ND	< LOD 61.72	ND	< LOD 62.79	ND	< LOD 62.12	ND	< LOD 61.75
CS-05	ND	< LOD 61.93	ND	< LOD 62.59	ND	< LOD 62.79	ND	< LOD 98.65
CS-06	ND	< LOD 62.55	ND	< LOD 62.83	ND	< LOD 62.10	ND	< LOD 62.45
CS-07	ND	< LOD 61.78	ND	< LOD 62.55	ND	< LOD 62.42	ND	< LOD 62.55
CSDS-01	ND	< LOD 62.29	ND	< LOD 62.49	ND	< LOD 62.29	ND	< LOD 62.41
CSDS-02	ND	< LOD 61.82	ND	< LOD 62.03	ND	< LOD 62.10	ND	< LOD 62.79
N-01	ND	< LOD 60.96	ND	< LOD 62.55	ND	< LOD 62.09	ND	< LOD 61.48
N-02	ND	< LOD 61.27	ND	< LOD 62.36	ND	< LOD 62.49	ND	< LOD 62.25
O-1	61.78	< LOQ 154.45	ND	< LOD 62.64	ND	< LOD 61.64	62.79	< LOQ 156.97
S-01	ND	< LOD 62.29	ND	< LOD 62.64	ND	< LOD 62.63	ND	< LOD 62.59
S-02	ND	< LOD 62.53	ND	< LOD 62.81	ND	< LOD 62.50	ND	< LOD 62.64
SH-01	ND	< LOD 62.66	ND	< LOD 62.68	ND	< LOD 62.19	ND	< LOD 62.40
SS-01	ND	< LOD 61.93	ND	< LOD 62.63	ND	< LOD 62.05	ND	< LOD 62.11
SS-02	ND	< LOD 62.33	ND	< LOD 62.57	ND	< LOD 62.09	ND	< LOD 61.70
SS-03	ND	< LOD 62.43	ND	< LOD 63.03	ND	< LOD 61.30	ND	< LOD 60.47
SS-04	ND	< LOD 62.75	ND	< LOD 62.79	ND	< LOD 62.76	ND	< LOD 61.74
SS-05	ND	< LOD 60.27	ND	< LOD 62.92	ND	< LOD 62.36	ND	< LOD 61.49
SS-06	ND	< LOD 60.99	ND	< LOD 62.16	ND	< LOD 62.92	ND	< LOD 62.72
SS-07	61.53	< LOQ 153.81	ND	< LOD 62.33	ND	< LOD 62.67	ND	< LOD 61.87
SSDS-01	ND	< LOD 61.75	ND	< LOD 62.71	ND	< LOD 61.87	ND	< LOD 62.09
SSDS-02	ND	< LOD 62.51	ND	< LOD 62.50	ND	< LOD 61.91	ND	< LOD 60.77
SSDS-03	ND	< LOD 60.63	ND	< LOD 59.58	ND	< LOD 59.71	ND	< LOD 62.16
CP-1A	ND	< LOD 61.87	ND	< LOD 62.14	ND	< LOD 62.25	ND	< LOD 62.84
CP-1B	ND	< LOD 70.72	ND	< LOD 71.39	ND	< LOD 70.64	ND	< LOD 71.82
CP-2A	ND	< LOD 61.89	62.74	< LOQ 156.84	124.43	< LOQ 311.07	ND	< LOD 62.32
CP-2B	61.97	< LOQ 154.93	ND	< LOD 62.63	ND	< LOD 62.16	ND	< LOD 63.12
CP-3A	ND	< LOD 61.96	ND	< LOD 62.59	ND	< LOD 62.05	ND	< LOD 62.09
CP-3B	ND	< LOD 82.55	ND	< LOD 83.29	ND	< LOD 82.24	ND	< LOD 74.50
CP-4A	ND	< LOD 61.80	ND	< LOD 62.88	ND	< LOD 122.42	ND	< LOD 61.55
CP-4B	ND	< LOD 59.94	ND	< LOD 61.89	ND	< LOD 123.74	ND	< LOD 61.20
CPDS-1A	ND	< LOD 60.80	61.87	< LOQ 154.67	ND	< LOD 61.95	ND	< LOD 61.51
CPDS-1B	60.66	< LOQ 151.64	62.05	< LOQ 155.12	ND	< LOD 61.45	ND	< LOD 60.05
G-1A	ND	< LOD 62.33	ND	< LOD 62.67	ND	< LOD 62.28	ND	< LOD 61.34
G-1B	ND	< LOD 62.14	ND	< LOD 63.32	ND	< LOD 62.28	ND	< LOD 62.21
G-2A	ND	< LOD 63.22	ND	< LOD 63.67	ND	< LOD 62.19	ND	< LOD 62.45
G-2B	ND	< LOD 61.49	ND	< LOD 62.28	ND	< LOD 62.75	ND	< LOD 61.80
G-3A	ND	< LOD 62.06	ND	< LOD 62.36	ND	< LOD 62.96	ND	< LOD 62.51
G-4A	ND	< LOD 60.93	ND	< LOD 62.02	ND	< LOD 61.64	ND	< LOD 62.29
G-4B	ND	< LOD 62.01	ND	< LOD 62.49	ND	< LOD 62.01	ND	< LOD 61.96
G-5A	ND	< LOD 61.75	ND	< LOD 62.27	ND	< LOD 62.43	ND	< LOD 62.72
G-5B	ND	< LOD 62.66	ND	< LOD 62.29	ND	< LOD 62.53	ND	< LOD 62.51
G-6A	ND	< LOD 62.37	ND	< LOD 62.71	ND	< LOD 62.42	ND	< LOD 62.12
G-6B	ND	< LOD 61.53	ND	< LOD 63.22	ND	< LOD 61.32	ND	< LOD 61.91
G-7A	ND	< LOD 61.89	ND	< LOD 62.21	ND	< LOD 62.58	ND	< LOD 62.83
G-7B	ND	< LOD 61.63	ND	< LOD 62.42	ND	< LOD 63.61	ND	< LOD 63.47
SG-1A	ND	< LOD 61.25	ND	< LOD 62.24	ND	< LOD 62.27	ND	< LOD 309.47
SG-1B	ND	< LOD 115.30	ND	< LOD 115.30	ND	< LOD 114.94	ND	< LOD 571.43
SG-2A	ND	< LOD 61.74	ND	< LOD 62.63	ND	< LOD 62.19	ND	< LOD 124.22
SG-2B	ND	< LOD 62.24	ND	< LOD 61.74	ND	< LOD 62.71	ND	< LOD 312.83

Airborne Sample Data Analysis - Titanium
NIOSH REL - Limit of Quantification (Lowest Feasible Concentration)
OSHA PEL 15000.0 micrograms/cubic meter

Abrasive Type	@ Make-up Air Area		@ Operator Area		@ Exhaust Area		Operator 's Breathing Zone	
	Fixed Station #1		Fixed Station #2		Fixed Station #3		(OBZ)	
	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note
CG-01	ND	< LOD 4.12	8.96	> LOQ 8.96	9.49	> LOQ 8.87	9.73	> LOQ 8.90
CS-01	391.35	> LOQ 8.86	1208.33	> LOQ 8.96	5364.14	> LOQ 8.87	1168.61	> LOQ 8.97
CS-02	540.77	> LOQ 8.94	1421.4	> LOQ 8.99	6456.99	> LOQ 8.96	2292.14	> LOQ 8.96
CS-03	721.8	> LOQ 8.87	2899.15	> LOQ 8.90	10576.52	> LOQ 17.83	2899.15	> LOQ 8.90
CS-04	370.29	> LOQ 8.85	1318.54	> LOQ 9.00	3313.32	> LOQ 8.90	1729.11	> LOQ 8.85
CS-05	173.41	> LOQ 8.88	688.5	> LOQ 8.97	1423.19	> LOQ 9.00	756.33	> LOQ 14.14
CS-06	813.18	> LOQ 8.97	2010.47	> LOQ 9.01	1718.07	> LOQ 8.90	1311.41	> LOQ 8.95
CS-07	1112.03	> LOQ 8.86	2293.58	> LOQ 8.97	11652.10	> LOQ 8.95	2293.58	> LOQ 8.97
CSDS-01	332.23	> LOQ 8.93	1687.15	> LOQ 8.96	4568.11	> LOQ 8.93	2288.33	> LOQ 8.95
CSDS-02	412.12	> LOQ 8.86	1468.16	> LOQ 8.89	5588.90	> LOQ 8.90	1967.35	> LOQ 9.00
N-01	18.49	> LOQ 8.74	81.32	> LOQ 8.97	289.74	> LOQ 8.90	176.23	> LOQ 8.81
N-02	347.22	> LOQ 8.78	644.36	> LOQ 8.94	2707.77	> LOQ 8.96	560.28	> LOQ 8.92
O-1	ND	< LOD 4.12	8.14	< LOQ 8.98	17.88	> LOQ 8.84	10.05	> LOQ 9.00
S-01	228.41	> LOQ 8.93	1023.18	> LOQ 8.98	3131.52	> LOQ 8.98	3338.2	> LOQ 8.97
S-02	958.73	> LOQ 8.96	3768.84	> LOQ 9.00	3541.67	> LOQ 8.96	1148.47	> LOQ 8.98
SH-01	7.73	< LOQ 8.98	13.37	> LOQ 8.98	41.46	> LOQ 8.91	12.06	> LOQ 8.94
SS-01	10.73	> LOQ 8.88	87.68	> LOQ 8.98	37.23	> LOQ 8.89	76.6	> LOQ 8.90
SS-02	22.85	> LOQ 8.93	95.93	> LOQ 8.97	76.57	> LOQ 8.90	84.33	> LOQ 8.84
SS-03	4.58	< LOQ 8.95	11.34	> LOQ 9.03	26.56	> LOQ 8.79	15.72	> LOQ 8.67
SS-04	54.38	> LOQ 8.99	397.66	> LOQ 9.00	564.85	> LOQ 9.00	349.87	> LOQ 8.85
SS-05	8.24	< LOQ 8.64	31.46	> LOQ 9.02	64.44	> LOQ 8.94	49.19	> LOQ 8.81
SS-06	56.92	> LOQ 8.74	142.98	> LOQ 8.91	5.03	< LOQ 9.02	77.36	> LOQ 8.99
SS-07	28.71	> LOQ 8.82	72.72	> LOQ 8.93	271.57	> LOQ 8.98	37.12	> LOQ 8.87
SSDS-01	8.85	> LOQ 8.85	39.72	> LOQ 8.99	61.87	> LOQ 8.87	53.81	> LOQ 8.90
SSDS-02	39.59	> LOQ 8.96	179.17	> LOQ 8.96	598.43	> LOQ 8.87	196.48	> LOQ 8.71
SSDS-03	ND	< LOD 4.04	5.96	< LOQ 8.54	6.57	< LOQ 8.56	8.7	< LOQ 8.91
CP-1A	146.42	> LOQ 8.87	745.65	> LOQ 8.91	1535.59	> LOQ 8.92	607.46	> LOQ 9.01
CP-1B	259.31	> LOQ 10.14	666.35	> LOQ 10.23	2825.52	> LOQ 10.12	598.52	> LOQ 10.29
CP-2A	577.68	> LOQ 8.87	1589.29	> LOQ 8.99	9746.99	> LOQ 17.83	3946.82	> LOQ 8.93
CP-2B	1549.27	> LOQ 8.88	897.7	> LOQ 8.98	3522.59	> LOQ 8.91	715.34	> LOQ 9.05
CP-3A	392.4	> LOQ 8.88	1022.32	> LOQ 8.97	5170.63	> LOQ 8.89	4759.93	> LOQ 8.90
CP-3B	550.36	> LOQ 11.83	3053.86	> LOQ 11.94	4111.84	> LOQ 11.79	1738.27	> LOQ 10.68
CP-4A	309.02	> LOQ 8.86	1383.36	> LOQ 9.01	7345.44	> LOQ 17.55	1497.74	> LOQ 8.82
CP-4B	319.68	> LOQ 8.59	1010.93	> LOQ 8.87	5155.70	> LOQ 17.74	285.6	> LOQ 8.77
CPDS-1A	790.43	> LOQ 8.72	1299.24	> LOQ 8.87	8878.79	> LOQ 8.88	3280.71	> LOQ 8.82
CPDS-1B	950.26	> LOQ 8.69	1509.82	> LOQ 8.89	6964.36	> LOQ 8.81	1160.93	> LOQ 8.61
G-1A	66.49	> LOQ 8.93	192.19	> LOQ 8.98	311.40	> LOQ 8.93	306.69	> LOQ 8.79
G-1B	29	> LOQ 8.91	253.27	> LOQ 9.08	157.77	> LOQ 8.93	248.86	> LOQ 8.92
G-2A	19.39	> LOQ 9.06	110.36	> LOQ 9.13	93.28	> LOQ 8.91	77.02	> LOQ 8.95
G-2B	10.25	> LOQ 8.81	114.18	> LOQ 8.93	37.65	> LOQ 8.99	24.72	> LOQ 8.86
G-3A	16.96	> LOQ 8.90	64.44	> LOQ 8.94	100.73	> LOQ 9.02	27.09	> LOQ 8.96
G-4A	406.17	> LOQ 8.73	392.81	> LOQ 8.89	965.69	> LOQ 8.84	1100.5	> LOQ 8.93
G-4B	115.75	> LOQ 8.89	937.3	> LOQ 8.96	909.47	> LOQ 8.89	867.41	> LOQ 8.88
G-5A	53.52	> LOQ 8.85	228.31	> LOQ 8.92	332.99	> LOQ 5.20	564.5	> LOQ 8.99
G-5B	54.3	> LOQ 8.98	174.42	> LOQ 8.93	354.31	> LOQ 8.96	68.76	> LOQ 8.96
G-6A	228.69	> LOQ 8.94	1045.15	> LOQ 8.99	790.68	> LOQ 8.95	434.87	> LOQ 8.90
G-6B	49.22	> LOQ 8.82	463.65	> LOQ 9.06	306.62	> LOQ 8.79	660.34	> LOQ 8.87
G-7A	226.94	> LOQ 8.87	497.72	> LOQ 8.92	1251.56	> LOQ 8.97	335.08	> LOQ 9.01
G-7B	160.23	> LOQ 8.83	312.11	> LOQ 8.95	636.13	> LOQ 9.12	165.01	> LOQ 9.10
SG-1A	9.8	> LOQ 8.78	10.17	> LOQ 8.92	47.74	> LOQ 8.92	167.11	> LOQ 45.39
SG-1B	ND	< LOD 7.69	ND	< LOD 7.69	20.31	> LOQ 16.48	144.76	> LOQ 83.81
SG-2A	7.2	< LOQ 8.85	7.52	< LOQ 8.98	8.71	< LOQ 8.91	28.99	> LOQ 17.81
SG-2B	ND	< LOD 4.15	6.79	< LOQ 8.85	7.53	< LOQ 8.99	37.54	< LOQ 45.88

Airborne Sample Data Analysis - Vanadium

NIOSH REL 50.0 micrograms/cubic meter Ceiling Limit

OSHA PEL 500.0 micrograms/cubic meter Ceiling Limit

Abrasives Type	@ Make-up Air Area		@ Operator Area		@ Exhaust Area		Operator's Breathing Zone	
	Fixed Station #1		Fixed Station #2		Fixed Station #3		(OBZ)	
	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note
CG-01	ND	< LOD 1.65	ND	< LOD 1.67	ND	< LOD 1.65	ND	< LOD 1.66
CS-01	14.42	> LOQ 5.15	41.67	> LOQ 5.21	189.81	> LOQ 5.16	45.91	> LOQ 5.22
CS-02	29.12	> LOQ 5.20	83.61	> LOQ 5.23	354.09	> LOQ 5.21	131.28	> LOQ 5.21
CS-03	22.69	> LOQ 5.16	99.4	> LOQ 5.18	352.55	> LOQ 5.18	95.26	> LOQ 5.18
CS-04	9.46	> LOQ 5.14	39.77	> LOQ 5.23	109.75	> LOQ 5.18	53.52	> LOQ 5.15
CS-05	13.01	> LOQ 5.16	50.07	> LOQ 5.22	119.30	> LOQ 5.23	65.77	> LOQ 8.22
CS-06	29.19	> LOQ 5.21	69.11	> LOQ 5.24	91.08	> LOQ 5.17	54.12	> LOQ 5.20
CS-07	61.78	> LOQ 5.15	154.3	> LOQ 5.21	665.83	> LOQ 5.20	141.78	> LOQ 5.21
CSDS-01	11.21	> LOQ 5.19	60.4	> LOQ 5.21	176.50	> LOQ 5.19	85.29	> LOQ 5.20
CSDS-02	12.16	> LOQ 5.15	49.63	> LOQ 5.17	190.44	> LOQ 5.17	62.79	> LOQ 5.23
N-01	3.66	< LOQ 5.08	20.43	> LOQ 5.21	76.57	> LOQ 5.17	38.93	> LOQ 5.12
N-02	16.75	> LOQ 5.11	31.18	> LOQ 5.20	152.05	> LOQ 5.21	29.05	> LOQ 5.19
O-1	ND	< LOD 1.65	2.3	< LOQ 5.22	3.90	< LOQ 5.14	ND	< LOD 1.67
S-01	2.28	< LOQ 5.19	6.26	> LOQ 5.22	22.96	> LOQ 5.22	10.64	> LOQ 5.22
S-02	2.5	< LOQ 5.21	11.52	> LOQ 5.23	14.58	> LOQ 5.21	5.43	> LOQ 5.22
SH-01	ND	< LOD 1.67	ND	< LOD 1.67	6.84	> LOQ 5.18	ND	< LOD 1.66
SS-01	ND	< LOD 1.65	ND	< LOD 1.67	2.07	< LOQ 5.17	2.48	< LOQ 5.18
SS-02	ND	< LOD 1.66	3.75	< LOQ 5.21	4.14	< LOQ 5.17	4.52	< LOQ 5.14
SS-03	ND	< LOD 5.20	ND	< LOD 1.68	ND	< LOD 1.63	ND	< LOD 1.61
SS-04	3.56	< LOQ 5.23	15.49	> LOQ 5.23	23.01	> LOQ 5.23	13.38	> LOQ 5.15
SS-05	5.02	< LOQ 5.02	15.94	> LOQ 5.24	35.34	> LOQ 5.20	22.55	> LOQ 5.12
SS-06	2.03	< LOQ 5.08	6.22	> LOQ 5.18	ND	< LOD 1.68	2.93	< LOQ 5.23
SS-07	ND	< LOD 1.64	1.95	< LOQ 5.19	7.52	> LOQ 5.22	ND	< LOD 1.65
SSDS-01	ND	< LOD 1.65	2.09	< LOQ 5.23	3.71	< LOQ 5.16	2.48	< LOQ 5.17
SSDS-02	ND	< LOD 1.67	6.67	> LOQ 5.21	2042.92	> LOQ 5.16	7.49	> LOQ 5.06
SSDS-03	ND	< LOD 1.62	ND	< LOD 1.59	2.19	< LOQ 4.98	ND	< LOD 1.66
CP-1A	3.09	< LOQ 5.16	13.46	> LOQ 5.18	31.13	> LOQ 5.19	11.73	> LOQ 5.24
CP-1B	4.48	< LOQ 5.89	14.52	> LOQ 5.95	58.87	> LOQ 5.89	11.73	> LOQ 5.99
CP-2A	30.95	> LOQ 5.16	83.65	> LOQ 5.23	518.46	> LOQ 10.37	201.5	> LOQ 5.19
CP-2B	80.56	> LOQ 5.16	48.02	> LOQ 5.22	180.27	> LOQ 5.18	37.87	> LOQ 5.26
CP-3A	17.76	> LOQ 5.16	45.9	> LOQ 5.22	248.19	> LOQ 5.17	206.95	> LOQ 5.17
CP-3B	23.94	> LOQ 6.88	133.26	> LOQ 6.94	194.63	> LOQ 6.85	79.46	> LOQ 6.21
CP-4A	11.33	> LOQ 5.15	58.69	> LOQ 5.24	244.85	> LOQ 10.20	55.4	> LOQ 5.13
CP-4B	12.59	> LOQ 5.00	41.26	> LOQ 5.16	189.73	> LOQ 10.31	11.42	> LOQ 5.10
CPDS-1A	40.54	> LOQ 5.07	65.99	> LOQ 5.16	454.26	> LOQ 5.16	168.14	> LOQ 5.13
CPDS-1B	46.5	> LOQ 5.05	80.66	> LOQ 5.17	368.70	> LOQ 5.12	66.05	> LOQ 5.00
G-1A	1.83	< LOQ 5.19	11.07	> LOQ 5.22	39.44	> LOQ 5.19	26.58	> LOQ 5.11
G-1B	2.28	< LOQ 5.18	17.1	> LOQ 5.28	24.91	> LOQ 5.19	31.11	> LOQ 5.18
G-2A	ND	< LOD 1.69	4.24	< LOQ 5.31	6.43	> LOQ 5.18	4.58	< LOQ 5.20
G-2B	ND	< LOD 1.64	3.74	< LOQ 5.19	3.97	< LOQ 5.23	3.09	< LOQ 5.15
G-3A	3.1	< LOQ 5.17	3.33	< LOQ 5.20	9.44	> LOQ 5.25	3.13	< LOQ 5.21
G-4A	8.12	> LOQ 5.08	9.3	> LOQ 5.17	53.42	> LOQ 5.14	15.57	> LOQ 5.19
G-4B	1.96	< LOQ 5.17	16.66	> LOQ 5.21	26.87	> LOQ 5.17	13.63	> LOQ 5.16
G-5A	1.77	< LOQ 5.15	9.76	> LOQ 5.19	31.22	> LOQ 5.20	43.91	> LOQ 5.23
G-5B	2.3	< LOQ 5.22	20.76	> LOQ 5.19	70.86	> LOQ 5.21	10.84	> LOQ 5.21
G-6A	15.59	> LOQ 5.20	73.16	> LOQ 5.23	120.68	> LOQ 5.20	35.2	> LOQ 5.18
G-6B	4.31	< LOQ 5.13	31.61	> LOQ 5.27	28.62	> LOQ 5.11	28.89	> LOQ 5.16
G-7A	9.28	> LOQ 5.16	20.12	> LOQ 5.18	52.15	> LOQ 5.21	12.57	> LOQ 5.24
G-7B	5.75	> LOQ 5.14	12.28	> LOQ 5.20	27.57	> LOQ 5.30	7.62	> LOQ 5.29
SG-1A	4.7	< LOQ 5.10	5.6	> LOQ 5.19	29.06	> LOQ 5.19	142.36	> LOQ 26.82
SG-1B	3.31	< LOQ 9.61	ND	< LOD 3.07	13.41	> LOQ 9.58	60.95	> LOQ 49.52
SG-2A	57.63	> LOQ 5.15	50.1	> LOQ 5.22	78.77	> LOQ 10.36	331.26	> LOQ 10.35
SG-2B	15.15	> LOQ 5.19	34.99	> LOQ 5.15	91.97	> LOQ 5.23	479.67	> LOQ 27.11

Airborne Sample Data Analysis - Yttrium

NIOSH REL 1000.0 micrograms/cubic meter

OSHA PEL 1000.0 micrograms/cubic meter

Abrasive Type	@ Make-up Air Area		@ Operator Area		@ Exhaust Area		Operator's Breathing Zone	
	Fixed Station #1		Fixed Station #2		Fixed Station #3		(OBZ)	
	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note
CG-01	ND	< LOD 0.412	ND	< LOD 0.417	ND	< LOD 0.413	ND	< LOD 0.414
CS-01	3.708	> LOQ 0.824	11.458	> LOQ 0.833	47.45	> LOQ 0.825	11.06	> LOQ 0.835
CS-02	6.032	> LOQ 0.832	17.559	> LOQ 0.836	72.90	> LOQ 0.833	27.089	> LOQ 0.834
CS-03	5.774	> LOQ 0.825	22.779	> LOQ 0.828	78.81	> LOQ 0.830	22.779	> LOQ 0.828
CS-04	3.292	> LOQ 0.823	9.837	> LOQ 0.837	26.92	> LOQ 0.828	13.586	> LOQ 0.823
CS-05	2.002	> LOQ 0.826	8.346	> LOQ 0.835	20.51	> LOQ 0.837	10.194	> LOQ 1.315
CS-06	7.923	> LOQ 0.834	19.895	> LOQ 0.838	22.77	> LOQ 0.828	14.571	> LOQ 0.833
CS-07	12.562	> LOQ 0.824	31.276	> LOQ 0.834	137.33	> LOQ 0.832	29.191	> LOQ 0.834
CSDS-01	2.907	> LOQ 0.831	16.663	> LOQ 0.833	49.83	> LOQ 0.831	22.883	> LOQ 0.832
CSDS-02	3.503	> LOQ 0.824	13.441	> LOQ 0.827	43.47	> LOQ 0.828	17.371	> LOQ 0.837
N-01	ND	< LOD 0.406	ND	< LOD 0.417	1.72	> LOQ 0.828	1.23	> LOQ 0.820
N-02	2.042	> LOQ 0.817	3.741	> LOQ 0.831	16.25	> LOQ 0.833	3.113	> LOQ 0.830
O-1	ND	< LOD 0.412	ND	< LOD 0.418	0.53	< LOQ 0.822	ND	< LOD 0.419
S-01	2.492	> LOQ 0.831	9.188	> LOQ 0.835	39.67	> LOQ 35.491	12.727	> LOQ 0.835
S-02	6.461	> LOQ 0.834	27.219	> LOQ 0.838	62.50	> LOQ 0.833	19.002	> LOQ 0.835
SH-01	ND	< LOD 0.418	0.481	< LOQ 0.836	3.52	> LOQ 0.829	0.416	< LOQ 0.832
SS-01	ND	< LOD 0.413	0.626	< LOQ 0.835	ND	< LOD 0.414	ND	< LOD 0.414
SS-02	0.416	< LOQ 0.831	1.981	> LOQ 0.834	3.31	> LOQ 0.828	1.501	> LOQ 0.823
SS-03	ND	< LOD 0.416	ND	< LOD 0.420	1.86	> LOQ 0.817	0.504	< LOQ 0.806
SS-04	1.485	> LOQ 0.837	9.209	> LOQ 0.837	13.18	> LOQ 0.837	9.055	> LOQ 0.823
SS-05	ND	< LOD 0.402	0.86	< LOQ 0.839	3.12	> LOQ 0.831	1.619	> LOQ 0.820
SS-06	1.057	> LOQ 0.813	2.901	> LOQ 0.829	ND	< LOD 0.419	2.509	> LOQ 0.836
SS-07	0.779	< LOQ 0.820	2.493	> LOQ 0.831	6.48	> LOQ 0.836	0.969	> LOQ 0.825
SSDS-01	ND	< LOD 0.412	ND	< LOD 0.418	0.52	< LOQ 0.825	0.435	< LOQ 0.828
SSDS-02	0.708	< LOQ 0.834	4.583	> LOQ 0.833	13.62	> LOQ 0.825	4.861	> LOQ 0.810
SSDS-03	ND	< LOD 0.404	ND	< LOD 0.397	0.82	< LOQ 0.796	0.539	< LOQ 0.829
CP-1A	ND	< LOD 0.412	2.051	> LOQ 0.829	3.11	> LOQ 0.830	1.55	> LOQ 0.838
CP-1B	0.589	< LOQ 0.943	1.142	> LOQ 0.952	6.36	> LOQ 0.942	1.101	> LOQ 0.958
CP-2A	3.92	> LOQ 0.825	10.456	> LOQ 0.836	60.14	> LOQ 1.659	24.927	> LOQ 0.831
CP-2B	10.122	> LOQ 0.826	6.263	> LOQ 0.835	22.79	> LOQ 0.829	5.26	> LOQ 0.842
CP-3A	4.75	> LOQ 0.826	11.058	> LOQ 0.835	53.78	> LOQ 0.827	49.669	> LOQ 0.828
CP-3B	5.504	> LOQ 1.101	30.539	> LOQ 1.110	43.86	> LOQ 1.096	18.376	> LOQ 0.993
CP-4A	3.502	> LOQ 0.824	14.043	> LOQ 0.838	71.41	> LOQ 1.632	14.157	> LOQ 0.821
CP-4B	3.397	> LOQ 0.799	9.903	> LOQ 0.825	47.43	> LOQ 1.650	3.264	> LOQ 0.816
CPDS-1A	5.067	> LOQ 0.811	8.043	> LOQ 0.825	51.62	> LOQ 0.826	22.555	> LOQ 0.820
CPDS-1B	5.661	> LOQ 0.809	9.928	> LOQ 0.827	40.97	> LOQ 0.819	8.006	> LOQ 0.801
G-1A	3.948	> LOQ 0.831	14.414	> LOQ 0.836	51.90	> LOQ 0.830	38.847	> LOQ 0.818
G-1B	2.486	> LOQ 0.829	21.106	> LOQ 0.844	26.99	> LOQ 0.830	31.107	> LOQ 0.830
G-2A	5.058	> LOQ 0.843	31.834	> LOQ 0.849	51.82	> LOQ 0.829	18.734	> LOQ 0.833
G-2B	7.993	> LOQ 0.820	70.583	> LOQ 0.830	43.92	> LOQ 0.837	14.627	> LOQ 0.824
G-3A	19.032	> LOQ 0.827	54.043	> LOQ 0.831	209.86	> LOQ 0.839	22.921	> LOQ 0.834
G-4A	42.648	> LOQ 0.812	49.618	> LOQ 0.827	328.75	> LOQ 0.822	99.668	> LOQ 0.831
G-4B	11.782	> LOQ 0.827	112.477	> LOQ 0.833	194.30	> LOQ 0.827	95.002	> LOQ 0.826
G-5A	4.117	> LOQ 0.823	18.888	> LOQ 0.830	66.60	> LOQ 0.832	96.174	> LOQ 0.836
G-5B	10.443	> LOQ 0.835	45.681	> LOQ 0.831	147.98	> LOQ 0.834	20.213	> LOQ 0.834
G-6A	18.295	> LOQ 0.832	87.793	> LOQ 0.836	172.70	> LOQ 0.832	33.133	> LOQ 0.828
G-6B	3.486	> LOQ 0.820	44.257	> LOQ 0.843	32.71	> LOQ 0.818	39.208	> LOQ 0.825
G-7A	3.301	> LOQ 0.825	7.258	> LOQ 0.830	17.73	> LOQ 0.834	5.026	> LOQ 0.838
G-7B	2.671	> LOQ 0.822	4.578	> LOQ 0.832	8.69	> LOQ 0.848	3.173	> LOQ 0.846
SG-1A	ND	< LOD 0.408	ND	< LOD 0.415	ND	< LOD 0.415	0.784	< LOQ 0.825
SG-1B	ND	< LOD 0.769	ND	< LOD 0.769	ND	< LOD 0.766	4.952	< LOQ 8.381
SG-2A	ND	< LOD 0.412	ND	< LOD 0.418	12.85	> LOQ 0.829	0.828	< LOQ 1.656
SG-2B	0.456	< LOQ 0.830	0.412	< LOQ 0.823	0.46	< LOQ 0.836	3.337	< LOQ 4.588

Airborne Sample Data Analysis - Zinc
 NIOSH REL 5000.0 micrograms/cubic meter
 OSHA PEL 15000.0 micrograms/cubic meter

	@ Make-up Air Area		@ Operator Area		@ Exhaust Area		Operator's Breathing Zone	
Abrasive	Fixed Station #1		Fixed Station #2		Fixed Station #3		(OBZ)	
Type	µg/m ³	Note	µg/m ³	Note	µg/m ³	Note	µg/m ³	Note
CG-01	37.07	> LOQ 35.01	41.67	> LOQ 35.42	51.58	> LOQ 35.07	64.17	> LOQ 35.19
CS-01	ND	< LOD 10.30	43.75	> LOQ 35.42	59.83	> LOQ 35.07	27.13	< LOQ 35.48
CS-02	35.36	> LOQ 35.36	62.71	> LOQ 35.54	152.05	> LOQ 35.41	77.1	> LOQ 35.42
CS-03	43.31	> LOQ 35.06	99.4	> LOQ 35.20	331.81	> LOQ 35.26	120.11	> LOQ 35.20
CS-04	24.69	< LOQ 34.97	35.58	> LOQ 35.58	37.27	> LOQ 35.20	30.88	< LOQ 34.99
CS-05	28.9	< LOQ 35.09	35.47	> LOQ 35.47	52.32	> LOQ 35.58	59.19	> LOQ 55.90
CS-06	27.11	< LOQ 35.45	35.6	> LOQ 35.60	37.26	> LOQ 35.19	35.39	> LOQ 35.39
CS-07	78.25	> LOQ 35.01	77.15	> LOQ 35.45	181.02	> LOQ 35.37	66.72	> LOQ 35.45
CSDS-01	ND	< LOD 10.38	13.33	< LOQ 35.41	120.43	> LOQ 35.30	22.88	< LOQ 35.37
CSDS-02	ND	< LOD 10.30	24.81	< LOQ 35.15	33.12	< LOQ 35.19	14.02	< LOQ 35.58
N-01	65.03	> LOQ 34.55	56.3	> LOQ 35.45	140.73	> LOQ 35.18	127.05	> LOQ 34.84
N-02	83.74	> LOQ 34.72	168.36	> LOQ 35.34	624.87	> LOQ 35.41	159.78	> LOQ 35.28
O-1	51.48	> LOQ 35.01	41.76	> LOQ 35.50	76.02	> LOQ 34.93	54.42	> LOQ 35.58
S-01	11	< LOQ 35.30	ND	< LOD 10.44	68.89	> LOQ 35.49	16.27	< LOQ 35.47
S-02	ND	< LOD 10.42	20.31	< LOQ 35.59	19.58	< LOQ 35.42	ND	< LOD 10.44
SH-01	25.06	< LOQ 35.51	31.34	< LOQ 35.52	51.82	> LOQ 35.24	29.12	< LOQ 35.36
SS-01	ND	< LOD 10.32	ND	< LOD 10.44	ND	< LOD 10.34	ND	< LOD 10.35
SS-02	22.85	< LOQ 35.32	31.28	< LOQ 35.45	37.25	> LOQ 35.18	28.79	< LOQ 34.97
SS-03	22.89	< LOQ 35.38	25.21	< LOQ 35.71	26.56	< LOQ 34.74	26.2	< LOQ 34.27
SS-04	20.29	< LOQ 35.56	71.16	> LOQ 35.58	43.93	> LOQ 35.56	37.04	> LOQ 34.99
SS-05	22.1	< LOQ 34.15	29.36	< LOQ 35.65	41.57	> LOQ 35.34	71.74	> LOQ 34.84
SS-06	24.4	< LOQ 34.56	26.94	< LOQ 35.23	123.74	> LOQ 35.65	31.36	< LOQ 35.54
SS-07	43.07	> LOQ 34.86	58.18	> LOQ 35.32	83.56	> LOQ 35.51	68.06	> LOQ 35.06
SSDS-01	ND	< LOD 10.29	12.33	< LOQ 35.54	ND	< LOD 10.31	ND	< LOD 10.35
SSDS-02	25.01	< LOQ 35.42	35.42	> LOQ 35.42	45.40	> LOQ 35.08	32.41	< LOQ 34.43
SSDS-03	17.99	< LOQ 34.36	19.86	< LOQ 33.76	19.90	< LOQ 33.84	22.79	< LOQ 35.23
CP-1A	109.3	> LOQ 35.06	331.4	> LOQ 35.21	1037.56	> LOQ 35.28	356.1	> LOQ 35.61
CP-1B	162.66	> LOQ 40.08	380.77	> LOQ 40.46	1530.49	> LOQ 40.03	406.99	> LOQ 40.70
CP-2A	61.89	> LOQ 35.07	112.92	> LOQ 35.55	518.46	> LOQ 70.51	207.73	> LOQ 35.31
CP-2B	109.48	> LOQ 35.12	64.72	> LOQ 35.49	200.99	> LOQ 35.23	71.53	> LOQ 35.77
CP-3A	2065.26	> LOQ 35.11	6676.4	> LOQ 35.47	28955.53	> LOQ 35.16	24834.44	> LOQ 35.18
CP-3B	3026.97	> LOQ 46.78	14991.67	> LOQ 47.20	24671.05	> LOQ 46.60	9187.98	> LOQ 42.22
CP-4A	3914.3	> LOQ 35.02	18654.37	> LOQ 35.63	112222.00	> LOQ 69.37	24620.43	> LOQ 34.88
CP-4B	4995	> LOQ 33.97	15473.49	> LOQ 35.07	78366.67	> LOQ 70.12	4283.97	> LOQ 34.68
CPDS-1A	74.99	> LOQ 34.45	96.93	> LOQ 35.06	516.21	> LOQ 35.10	205.04	> LOQ 34.86
CPDS-1B	82.9	> LOQ 34.37	119.96	> LOQ 35.16	450.63	> LOQ 34.82	88.07	> LOQ 34.03
G-1A	27.01	< LOQ 35.32	41.78	> LOQ 35.51	70.58	> LOQ 35.29	65.43	> LOQ 34.76
G-1B	18.85	< LOQ 35.21	44.32	> LOQ 35.88	47.75	> LOQ 35.29	51.85	> LOQ 35.26
G-2A	25.29	< LOQ 35.83	31.83	< LOQ 36.08	35.24	> LOQ 35.24	35.39	> LOQ 35.39
G-2B	20.5	< LOQ 34.84	35.29	> LOQ 35.29	25.10	< LOQ 35.56	57.68	> LOQ 35.02
G-3A	26.89	< LOQ 35.17	62.36	> LOQ 35.34	31.48	< LOQ 35.68	27.09	< LOQ 35.42
G-4A	64.99	> LOQ 34.52	64.09	> LOQ 35.15	47.26	> LOQ 34.93	35.3	< LOQ 35.30
G-4B	26.87	< LOQ 35.14	37.49	> LOQ 35.41	47.54	> LOQ 35.14	35.11	> LOQ 35.11
G-5A	26.76	< LOQ 34.99	35.28	> LOQ 35.28	54.11	> LOQ 35.38	64.81	> LOQ 35.54
G-5B	35.51	> LOQ 35.51	58.14	> LOQ 35.30	89.62	> LOQ 35.43	35.42	> LOQ 35.42
G-6A	41.58	> LOQ 35.34	85.7	> LOQ 35.54	110.28	> LOQ 35.37	60.05	> LOQ 35.20
G-6B	28.71	< LOQ 34.86	48.47	> LOQ 35.83	51.10	> LOQ 34.75	53.65	> LOQ 35.08
G-7A	20.63	< LOQ 35.07	35.26	> LOQ 35.26	68.84	> LOQ 35.46	41.88	> LOQ 35.60
G-7B	28.76	< LOQ 34.92	47.86	> LOQ 35.37	53.01	> LOQ 36.05	50.77	> LOQ 35.96
SG-1A	61.25	> LOQ 34.71	24.9	< LOQ 35.27	26.98	< LOQ 35.28	ND	< LOD 51.58
SG-1B	69.18	> LOQ 65.33	76.86	> LOQ 65.33	72.80	> LOQ 65.13	95.24	> LOQ 323.81
SG-2A	45.28	> LOQ 34.99	50.1	> LOQ 35.49	60.12	< LOQ 70.48	180.12	> LOQ 70.39
SG-2B	41.49	> LOQ 35.27	55.57	> LOQ 34.99	45.99	> LOQ 35.54	204.38	> LOQ 177.27

Airborne Sample Data Analysis - Zirconium

NIOSH REL 5000.0 micrograms/cubic meter

OSHA PEL 5000.0 micrograms/cubic meter

	@ Make-up Air Area		@ Operator Area		@ Exhaust Area		Operator's Breathing Zone	
Abrasive	Fixed Station #1		Fixed Station #2		Fixed Station #3		(OBZ)	
Type	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note	mg/m ³	Note
CG-01	ND	< LOD 1.65	2	< LOQ 5.21	ND	< LOD 1.65	ND	< LOD 1.66
CS-01	13.8	> LOQ 5.15	41.67	> LOQ 5.21	179.49	> LOQ 5.16	39.65	> LOQ 5.22
CS-02	17.05	> LOQ 5.20	50.17	> LOQ 5.23	208.29	> LOQ 5.21	75.02	> LOQ 5.21
CS-03	26.81	> LOQ 5.16	105.61	> LOQ 5.18	373.29	> LOQ 5.18	103.54	> LOQ 5.18
CS-04	11.73	> LOQ 5.14	37.67	> LOQ 5.23	82.83	> LOQ 5.18	47.34	> LOQ 5.15
CS-05	5.78	> LOQ 5.16	20.24	> LOQ 5.22	33.49	> LOQ 5.23	20.72	> LOQ 8.22
CS-06	27.11	> LOQ 5.21	67.02	> LOQ 5.24	37.26	> LOQ 5.17	37.47	> LOQ 5.20
CS-07	43.25	> LOQ 5.15	81.32	> LOQ 5.21	291.30	> LOQ 5.20	77.15	> LOQ 5.21
CSDS-01	10.17	> LOQ 5.19	43.74	> LOQ 5.21	93.44	> LOQ 5.19	56.17	> LOQ 5.20
CSDS-02	14.22	> LOQ 5.15	51.7	> LOQ 5.17	169.74	> LOQ 5.17	69.07	> LOQ 5.23
N-01	ND	< LOD 1.63	2.5	< LOQ 5.21	8.07	> LOQ 5.17	5.53	> LOQ 5.12
N-02	18.59	> LOQ 5.11	33.26	> LOQ 5.20	118.73	> LOQ 5.21	31.13	> LOQ 5.19
O-1	ND	< LOD 1.65	ND	< LOD 1.67	ND	< LOD 1.64	ND	< LOD 1.67
S-01	2.49	< LOQ 5.19	8.98	> LOQ 5.22	35.49	> LOQ 5.22	10.64	> LOQ 5.22
S-02	6.88	> LOQ 5.21	33.5	> LOQ 5.23	54.17	> LOQ 5.21	18.58	> LOQ 5.22
SH-01	ND	< LOD 1.67	ND	< LOD 1.67	3.73	< LOQ 5.18	ND	< LOD 1.66
SS-01	ND	< LOD 1.65	2.09	< LOQ 5.22	ND	< LOD 1.65	ND	< LOD 1.66
SS-02	ND	< LOD 1.66	5.84	> LOQ 5.21	4.55	< LOQ 5.17	4.94	< LOQ 5.14
SS-03	ND	< LOD 1.66	ND	< LOD 1.68	4.09	< LOQ 5.11	2.22	< LOQ 5.04
SS-04	2.07	< LOQ 5.23	12.35	> LOQ 5.23	20.08	> LOQ 5.23	13.17	> LOQ 5.15
SS-05	ND	< LOD 1.61	2.52	< LOQ 5.24	5.40	> LOQ 5.20	3.48	< LOQ 5.12
SS-06	ND	< LOD 1.63	2.49	< LOQ 5.18	ND	< LOD 1.68	ND	< LOD 1.67
SS-07	ND	< LOD 1.64	ND	< LOD 1.66	ND	< LOD 1.67	ND	< LOD 1.65
SSDS-01	ND	< LOD 1.65	ND	< LOD 1.67	1.84	< LOQ 5.16	ND	< LOD 1.66
SSDS-02	2.29	< LOQ 5.21	6.04	> LOQ 5.21	16.71	> LOQ 5.16	11.75	> LOQ 5.06
SSDS-03	ND	< LOD 1.62	ND	< LOD 1.59	ND	< LOD 1.59	ND	< LOD 1.66
CP-1A	2.47	< LOQ 5.16	11.39	> LOQ 5.18	15.77	> LOQ 5.19	6.7	> LOQ 5.24
CP-1B	5.19	< LOQ 5.89	7.62	> LOQ 5.95	28.26	> LOQ 5.89	6.94	> LOQ 5.99
CP-2A	14.03	> LOQ 5.16	33.46	> LOQ 5.23	203.24	> LOQ 10.37	85.17	> LOQ 5.19
CP-2B	35.12	> LOQ 5.16	20.46	> LOQ 5.22	72.52	> LOQ 5.18	14.52	> LOQ 5.26
CP-3A	24.78	> LOQ 5.16	62.59	> LOQ 5.22	289.56	> LOQ 5.17	269.04	> LOQ 5.17
CP-3B	35.77	> LOQ 6.88	183.23	> LOQ 6.94	249.45	> LOQ 6.85	104.3	> LOQ 6.21
CP-4A	16.07	> LOQ 5.15	73.36	> LOQ 5.24	408.08	> LOQ 26.53	80.02	> LOQ 5.13
CP-4B	17.98	> LOQ 5.00	55.7	> LOQ 5.16	268.10	> LOQ 10.31	16.32	> LOQ 5.10
CPDS-1A	17.84	> LOQ 5.07	26.81	> LOQ 5.16	173.45	> LOQ 5.16	65.61	> LOQ 5.13
CPDS-1B	22.24	> LOQ 5.05	33.09	> LOQ 5.17	137.24	> LOQ 5.12	26.02	> LOQ 5.00
G-1A	ND	< LOD 1.66	4.18	< LOQ 5.22	10.59	> LOQ 5.19	7.77	> LOQ 5.11
G-1B	ND	< LOD 1.66	4.64	< LOQ 5.28	5.40	> LOQ 5.19	5.81	> LOQ 5.18
G-2A	ND	< LOD 1.69	2.97	< LOQ 5.31	3.73	< LOQ 5.18	2.5	< LOQ 5.20
G-2B	ND	< LOD 1.64	2.49	< LOQ 5.19	2.51	< LOQ 5.23	ND	< LOD 1.65
G-3A	ND	< LOD 1.65	2.29	< LOQ 5.20	7.14	> LOQ 5.25	ND	< LOD 1.67
G-4A	9.14	> LOQ 5.08	10.54	> LOQ 5.17	28.77	> LOQ 5.14	20.76	> LOQ 5.19
G-4B	3.72	< LOQ 5.17	14.79	> LOQ 5.21	18.40	> LOQ 5.17	14.04	> LOQ 5.16
G-5A	ND	< LOD 1.65	4.15	< LOQ 5.19	10.20	> LOQ 5.20	9.41	> LOQ 5.23
G-5B	1.75	< LOQ 5.22	5.61	> LOQ 5.19	15.42	> LOQ 5.21	3.54	< LOQ 5.21
G-6A	3.33	< LOQ 5.20	14.84	> LOQ 5.23	19.35	> LOQ 5.20	8.49	> LOQ 5.18
G-6B	1.74	< LOQ 5.13	9.06	> LOQ 5.27	7.56	> LOQ 5.11	5.78	> LOQ 5.16
G-7A	10.93	> LOQ 5.16	22.81	> LOQ 5.18	54.23	> LOQ 5.21	15.08	> LOQ 5.24
G-7B	7.6	> LOQ 5.14	14.15	> LOQ 5.20	27.57	> LOQ 5.30	7.83	> LOQ 5.29
SG-1A	ND	< LOD 1.63	ND	< LOD 1.66	ND	< LOD 1.66	ND	< LOD 26.82
SG-1B	ND	< LOD 3.07	ND	< LOD 3.07	ND	< LOD 3.07	ND	< LOD 15.24
SG-2A	ND	< LOD 1.65	ND	< LOD 1.67	ND	< LOD 1.66	ND	< LOD 3.31
SG-2B	ND	< LOD 1.66	ND	< LOD 1.65	ND	< LOD 1.67	ND	< LOD 33.37