

Quality Control Results

Client: Malcolm Pirnie, Inc.

Job Number: 560-24816-1

Sdg Number: March 5, 2011

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
Metals					
Prep Batch: 560-57160					
LCS 560-57160/2-A	Lab Control Sample	T	Water	3010A	
MB 560-57160/1-A	Method Blank	T	Water	3010A	
560-24816-1	ER030411	T	Water	3010A	
560-24816-2	EP-68	T	Water	3010A	
560-24816-3	EP-95	T	Water	3010A	
560-24816-4	EP-84	T	Water	3010A	
560-24816-5	EP-52	T	Water	3010A	
560-24816-6	EP-54	T	Water	3010A	
560-24816-7	EP-49	T	Water	3010A	
560-24816-8FD	FD030411	T	Water	3010A	
Analysis Batch:560-57254					
LCS 560-57160/2-A	Lab Control Sample	T	Water	6020	560-57160
MB 560-57160/1-A	Method Blank	T	Water	6020	560-57160
560-24816-1	ER030411	T	Water	6020	560-57160
560-24816-2	EP-68	T	Water	6020	560-57160
560-24816-3	EP-95	T	Water	6020	560-57160
560-24816-4	EP-84	T	Water	6020	560-57160
560-24816-5	EP-52	T	Water	6020	560-57160
560-24816-6	EP-54	T	Water	6020	560-57160
560-24816-7	EP-49	T	Water	6020	560-57160
560-24816-8FD	FD030411	T	Water	6020	560-57160
Prep Batch: 560-57275					
LCS 560-57275/2-A	Lab Control Sample	T	Water	3010A	
MB 560-57275/1-A	Method Blank	T	Water	3010A	
560-24816-1	ER030411	D	Water	3010A	
560-24816-1MS	Matrix Spike	D	Water	3010A	
560-24816-1MSD	Matrix Spike Duplicate	D	Water	3010A	
560-24816-2	EP-68	D	Water	3010A	
560-24816-3	EP-95	D	Water	3010A	
560-24816-4	EP-84	D	Water	3010A	
560-24816-5	EP-52	D	Water	3010A	
560-24816-6	EP-54	D	Water	3010A	
560-24816-7	EP-49	D	Water	3010A	
560-24816-8FD	FD030411	D	Water	3010A	

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Metals					
Prep Batch: 560-57313					
LCS 560-57313/29-A	Lab Control Sample	T	Water	7470A	
LCS 560-57313/5-A	Lab Control Sample	T	Water	7470A	
MB 560-57313/28-A	Method Blank	T	Water	7470A	
MB 560-57313/4-A	Method Blank	T	Water	7470A	
560-24816-1	ER030411	T	Water	7470A	
560-24816-2	EP-68	T	Water	7470A	
560-24816-3	EP-95	T	Water	7470A	
560-24816-4	EP-84	T	Water	7470A	
560-24816-5	EP-52	T	Water	7470A	
560-24816-6	EP-54	T	Water	7470A	
560-24816-7	EP-49	T	Water	7470A	
560-24816-7MS	Matrix Spike	T	Water	7470A	
560-24816-7MSD	Matrix Spike Duplicate	T	Water	7470A	
560-24816-8FD	FD030411	T	Water	7470A	
Analysis Batch:560-57326					
LCS 560-57160/2-A	Lab Control Sample	T	Water	6010B	560-57160
MB 560-57160/1-A	Method Blank	T	Water	6010B	560-57160
560-24816-1	ER030411	T	Water	6010B	560-57160
560-24816-2	EP-68	T	Water	6010B	560-57160
560-24816-3	EP-95	T	Water	6010B	560-57160
560-24816-4	EP-84	T	Water	6010B	560-57160
560-24816-5	EP-52	T	Water	6010B	560-57160
560-24816-6	EP-54	T	Water	6010B	560-57160
560-24816-7	EP-49	T	Water	6010B	560-57160
560-24816-8FD	FD030411	T	Water	6010B	560-57160
Analysis Batch:560-57327					
LCS 560-57313/29-A	Lab Control Sample	T	Water	7470A	560-57313
LCS 560-57313/5-A	Lab Control Sample	T	Water	7470A	560-57313
MB 560-57313/28-A	Method Blank	T	Water	7470A	560-57313
MB 560-57313/4-A	Method Blank	T	Water	7470A	560-57313
560-24816-1	ER030411	T	Water	7470A	560-57313
560-24816-2	EP-68	T	Water	7470A	560-57313
560-24816-3	EP-95	T	Water	7470A	560-57313
560-24816-4	EP-84	T	Water	7470A	560-57313
560-24816-5	EP-52	T	Water	7470A	560-57313
560-24816-6	EP-54	T	Water	7470A	560-57313
560-24816-7	EP-49	T	Water	7470A	560-57313
560-24816-7MS	Matrix Spike	T	Water	7470A	560-57313
560-24816-7MSD	Matrix Spike Duplicate	T	Water	7470A	560-57313
560-24816-8FD	FD030411	T	Water	7470A	560-57313

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Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
Metals					
Analysis Batch:560-57339					
560-24816-1	ER030411	T	Water	6010B	560-57160
560-24816-2	EP-68	T	Water	6010B	560-57160
560-24816-3	EP-95	T	Water	6010B	560-57160
560-24816-4	EP-84	T	Water	6010B	560-57160
560-24816-5	EP-52	T	Water	6010B	560-57160
560-24816-6	EP-54	T	Water	6010B	560-57160
560-24816-7	EP-49	T	Water	6010B	560-57160
560-24816-8FD	FD030411	T	Water	6010B	560-57160
Analysis Batch:560-57341					
LCS 560-57160/2-A	Lab Control Sample	T	Water	6020	560-57160
MB 560-57160/1-A	Method Blank	T	Water	6020	560-57160
560-24816-7	EP-49	T	Water	6020	560-57160
560-24816-8FD	FD030411	T	Water	6020	560-57160
Analysis Batch:560-57453					
LCS 560-57457/5-A	Lab Control Sample	T	Water	7470A	560-57457
MB 560-57457/4-A	Method Blank	T	Water	7470A	560-57457
560-24816-1	ER030411	D	Water	7470A	560-57457
560-24816-1MS	Matrix Spike	D	Water	7470A	560-57457
560-24816-1MSD	Matrix Spike Duplicate	D	Water	7470A	560-57457
560-24816-2	EP-68	D	Water	7470A	560-57457
560-24816-3	EP-95	D	Water	7470A	560-57457
560-24816-4	EP-84	D	Water	7470A	560-57457
560-24816-5	EP-52	D	Water	7470A	560-57457
560-24816-6	EP-54	D	Water	7470A	560-57457
560-24816-7	EP-49	D	Water	7470A	560-57457
560-24816-8FD	FD030411	D	Water	7470A	560-57457
Prep Batch: 560-57457					
LCS 560-57457/5-A	Lab Control Sample	T	Water	7470A	560-57457
MB 560-57457/4-A	Method Blank	T	Water	7470A	560-57457
560-24816-1	ER030411	D	Water	7470A	560-57457
560-24816-1MS	Matrix Spike	D	Water	7470A	560-57457
560-24816-1MSD	Matrix Spike Duplicate	D	Water	7470A	560-57457
560-24816-2	EP-68	D	Water	7470A	560-57457
560-24816-3	EP-95	D	Water	7470A	560-57457
560-24816-4	EP-84	D	Water	7470A	560-57457
560-24816-5	EP-52	D	Water	7470A	560-57457
560-24816-6	EP-54	D	Water	7470A	560-57457
560-24816-7	EP-49	D	Water	7470A	560-57457
560-24816-8FD	FD030411	D	Water	7470A	560-57457

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Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:560-58070					
LCS 560-57275/2-A	Lab Control Sample	T	Water	6020	560-57275
MB 560-57275/1-A	Method Blank	T	Water	6020	560-57275
560-24816-1	ER030411	D	Water	6020	560-57275
560-24816-1MS	Matrix Spike	D	Water	6020	560-57275
560-24816-1MSD	Matrix Spike Duplicate	D	Water	6020	560-57275
560-24816-2	EP-68	D	Water	6020	560-57275
560-24816-3	EP-95	D	Water	6020	560-57275
560-24816-4	EP-84	D	Water	6020	560-57275
560-24816-5	EP-52	D	Water	6020	560-57275
560-24816-6	EP-54	D	Water	6020	560-57275
560-24816-7	EP-49	D	Water	6020	560-57275
560-24816-8FD	FD030411	D	Water	6020	560-57275
Analysis Batch:560-58128					
560-24816-6	EP-54	D	Water	6020	560-57275
560-24816-7	EP-49	D	Water	6020	560-57275
560-24816-8FD	FD030411	D	Water	6020	560-57275

Report Basis

D = Dissolved

T = Total

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Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:560-57107					
LCS 560-57107/5	Lab Control Sample	T	Water	300.0	
MB 560-57107/4	Method Blank	T	Water	300.0	
560-24816-1	ER030411	T	Water	300.0	
560-24816-1MS	Matrix Spike	T	Water	300.0	
560-24816-1MSD	Matrix Spike Duplicate	T	Water	300.0	
560-24816-2	EP-68	T	Water	300.0	
560-24816-3	EP-95	T	Water	300.0	
560-24816-4	EP-84	T	Water	300.0	
560-24816-5	EP-52	T	Water	300.0	
560-24816-6	EP-54	T	Water	300.0	
560-24816-7	EP-49	T	Water	300.0	
560-24816-8FD	FD030411	T	Water	300.0	
Analysis Batch:560-57189					
MB 560-57189/1	Method Blank	T	Water	160.2	
MB 560-57189/21	Method Blank	T	Water	160.2	
560-24816-1	ER030411	T	Water	160.2	
560-24816-2	EP-68	T	Water	160.2	
560-24816-3	EP-95	T	Water	160.2	
560-24816-4	EP-84	T	Water	160.2	
560-24816-5	EP-52	T	Water	160.2	
560-24816-6	EP-54	T	Water	160.2	
560-24816-7	EP-49	T	Water	160.2	
560-24816-8FD	FD030411	T	Water	160.2	
Analysis Batch:560-57232					
LCS 560-57232/34	Lab Control Sample	T	Water	376.2	
MB 560-57232/33	Method Blank	T	Water	376.2	
560-24816-1	ER030411	T	Water	376.2	
560-24816-1MS	Matrix Spike	T	Water	376.2	
560-24816-1MSD	Matrix Spike Duplicate	T	Water	376.2	
560-24816-2	EP-68	T	Water	376.2	
560-24816-3	EP-95	T	Water	376.2	
560-24816-4	EP-84	T	Water	376.2	
560-24816-5	EP-52	T	Water	376.2	
560-24816-6	EP-54	T	Water	376.2	
560-24816-7	EP-49	T	Water	376.2	
560-24816-8FD	FD030411	T	Water	376.2	

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Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:560-57353					
LCS 560-57353/2	Lab Control Sample	T	Water	160.1	
MB 560-57353/1	Method Blank	T	Water	160.1	
560-24816-1	ER030411	T	Water	160.1	
560-24816-1MS	Matrix Spike	T	Water	160.1	
560-24816-1MSD	Matrix Spike Duplicate	T	Water	160.1	
560-24816-2	EP-68	T	Water	160.1	
560-24816-3	EP-95	T	Water	160.1	
560-24816-4	EP-84	T	Water	160.1	
560-24816-5	EP-52	T	Water	160.1	
560-24816-6	EP-54	T	Water	160.1	
560-24816-7	EP-49	T	Water	160.1	
560-24816-8FD	FD030411	T	Water	160.1	
Analysis Batch:560-57419					
LCS 560-57419/30	Lab Control Sample	T	Water	340.2	
LCS 560-57419/55	Lab Control Sample	T	Water	340.2	
MB 560-57419/3	Method Blank	T	Water	340.2	
MB 560-57419/56	Method Blank	T	Water	340.2	
560-24816-1	ER030411	T	Water	340.2	
560-24816-2	EP-68	T	Water	340.2	
560-24816-3	EP-95	T	Water	340.2	
560-24816-4	EP-84	T	Water	340.2	
560-24816-5	EP-52	T	Water	340.2	
560-24816-6	EP-54	T	Water	340.2	
560-24816-7	EP-49	T	Water	340.2	
560-24816-8FD	FD030411	T	Water	340.2	
Analysis Batch:560-57520					
LCS 560-57520/1	Lab Control Sample	T	Water	SM 2320B	
LCS 560-57520/19	Lab Control Sample	T	Water	SM 2320B	
LCS 560-57520/27	Lab Control Sample	T	Water	SM 2320B	
560-24816-1	ER030411	T	Water	SM 2320B	
560-24816-1MS	Matrix Spike	T	Water	SM 2320B	
560-24816-1MSD	Matrix Spike Duplicate	T	Water	SM 2320B	
560-24816-2	EP-68	T	Water	SM 2320B	
560-24816-3	EP-95	T	Water	SM 2320B	
560-24816-4	EP-84	T	Water	SM 2320B	
560-24816-5	EP-52	T	Water	SM 2320B	
560-24816-6	EP-54	T	Water	SM 2320B	
560-24816-7	EP-49	T	Water	SM 2320B	
560-24816-8FD	FD030411	T	Water	SM 2320B	

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Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:560-57542					
LCS 560-57542/39	Lab Control Sample	T	Water	300.0	
MB 560-57542/38	Method Blank	T	Water	300.0	
560-24816-1	ER030411	T	Water	300.0	
560-24816-2	EP-68	T	Water	300.0	
560-24816-3	EP-95	T	Water	300.0	
560-24816-4	EP-84	T	Water	300.0	
560-24816-5	EP-52	T	Water	300.0	
560-24816-6	EP-54	T	Water	300.0	
560-24816-7	EP-49	T	Water	300.0	
560-24816-8FD	FD030411	T	Water	300.0	
Analysis Batch:560-57572					
LCS 560-57572/4	Lab Control Sample	T	Water	415.1	
MB 560-57572/3	Method Blank	T	Water	415.1	
560-24816-2	EP-68	T	Water	415.1	
560-24816-3	EP-95	T	Water	415.1	
560-24816-4	EP-84	T	Water	415.1	
560-24816-5	EP-52	T	Water	415.1	
560-24816-6	EP-54	T	Water	415.1	
560-24816-7	EP-49	T	Water	415.1	
560-24816-8FD	FD030411	T	Water	415.1	
Analysis Batch:560-57650					
LCS 560-57650/4	Lab Control Sample	T	Water	415.1	
MB 560-57650/3	Method Blank	T	Water	415.1	
560-24816-1	ER030411	T	Water	415.1	
560-24816-1MS	Matrix Spike	T	Water	415.1	
560-24816-1MSD	Matrix Spike Duplicate	T	Water	415.1	

Report Basis

T = Total