UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
HOUSTON BRANCH
10625 FALLSTONE ROAD
HOUSTON, TEXAS 77099

RESUBMITTED DATA REVIEW REPORT

DATE:	October 10, 2012	**CASE#:**	42562
		SDG#:	MF5WA4
TO:	B. Kendrick	**LAB:**	BONNER
	6SF-TR	**SITE:**	Manufacturing Specialties, Inc.
FROM:	L. Hoffman	**REF:**	TDF # 6-12-395B/6-12-359B
	ESAT		ESAT File # I-0542
	Page 1 of 1		ESAT Doc. No. B030-212-0100

EFFECTS OF RESUBMITTED INFORMATION ON THE ORIGINAL DATA:

Electronic laboratory response to Regional request (received by ESAT on 08/02/12):

The laboratory resubmission is acceptable and does not impact the original data assessment. Please use the resubmitted pages to replace the corresponding ones in the CSF package.

672093

COVER SHEET

LABORATORY RESPONSE TO RESULTS OF
CONTRACT COMPLIANCE SCREENING (CCS)

Electronic rec'd 08/02/12 I0542

Response To: (Check One) _____ Organic CCS

X Inorganic CCS

Response materials should be sent to the attention of the CCS Coordinator.

Labcode: Gannux

Response Date: 7/30/12

Date Screening Results Received at Laboratory: 7/25/12

EPA Contract No. EP009037

Case No. 48568

SDG No. JF5WA4

Sample Nos.*

Only list sample numbers that require reconciliation.

This form is used to identify materials sent in response to results of Contract Compliance Screening (CCS). A separate form must accompany the response for each SDG.

Please indicate (on the attached continuation form) which fractions and/or which criteria correspond with your resubmission. Response materials sent to CCS should also be copied to the Region with this blue Cover Sheet.

72A

USEPA - CLP

13-IN
ANALYSIS RUN LOG

Lab Name: Bonner Analytical Testing Contract: EPW09037

Lab Code: BONNER Case No.: 42562 Mod. Ref. No.: SDG No.: MF5WA4

Instrument ID: ICPMS01 Analysis Method: MS

Start Date: 06/05/2012 End Date: 06/06/2012

EPA Sample NO.	D/F	Time	Analytes																									
			Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Hg	Ni	K	Se	Ag	Na	Tl	V	Zn	CN		
TUNE01	1.0	2246																										
S0	1.0	2259		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
S	1.0	2303		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
S	1.0	2307		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
S	1.0	2311		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
S	1.0	2316		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
S	1.0	2320		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
S	1.0	2324				X																			X			
ICV01	1.0	2328		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
ICB01	1.0	2332		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
ICSA01	1.0	2336		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
ICSAB01	1.0	2341		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
CCV01	1.0	2345		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
CCB01	1.0	2349		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
PBS01	1.0	2353		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
LCS01	1.0	2357		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
MF5WA4	20.0	0001		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
MF5WA5	20.0	0005		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
MF5WA6	20.0	0010		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
MF5WA7	20.0	0014		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
MF5WA8	20.0	0018		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
MF5WA8S	20.0	0022		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
MF5WA8D	20.0	0026		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
MF5WA8L	100.	0030		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
MF5WB0	20.0	0034		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
MF5WA0	20.0	0039		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
MF5WA1	20.0	0043		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
MF5WA2	20.0	0047		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
MF5WA3	20.0	0051		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
MF5WA9	20.0	0055		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
MF5WB1	20.0	0059		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
MF5WB2	20.0	0103		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
MF5WB3	20.0	0107		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
MF5WB6	20.0	0112		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
MF5WB7	20.0	0116		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
CCV02	1.0	0120		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			

USEPA - CLP

13-IN
ANALYSIS RUN LOG

Lab Name: Bonner Analytical Testing Contract: EPW09037

Lab Code: BONNER Case No.: 42562 Mod. Ref. No.: SDG No.: MF5WA4

Instrument ID: ICPMS01 Analysis Method: MS

Start Date: 06/05/2012 End Date: 06/06/2012

EPA Sample NO.	D/F	Time	Analytes																									
			Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Hg	Ni	K	Se	Ag	Na	Tl	V	Zn	CN		
CCB02	1.0	0124		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			

USEPA - CLP

4B-IN
ICP-MS INTERFERENCE CHECK SAMPLE

Lab Name: Bonner Analytical Testing Contract: EPW09037

Lab Code: BONNER Case No.: 42562 Mod. Ref. No.: SDG No.: MF5WA4

ICP-AES Instrument ID: ICPMS01 ICSA Source: USEPA, Lot:Part A&B (803)

ICSB Source: USEPA, Lot:Part A&B (803)

Concentration Units: ug/L

Analyte	True		Found			
	Sol. A	Sol. AB	Sol. A	%R	Sol. AB	%R
Antimony	1.5	22	1.6	107	20.7	94
Arsenic	0.1	19	0.37	370	20.4	107
Barium	1.2	22	1.5	125	21.9	100
Beryllium	0	19	0.29		18.4	97
Cadmium	0.7	20	1.0	143	19.1	96
Chromium	21	40	21.4	102	42.2	106
Cobalt	1	20	1.2	120	20.7	104
Copper	8	25	8.1	101	24.9	100
Lead	4	25	4.3	108	24.3	97
Manganese	7	27	8.9	127	30.8	114
Nickel	6	24	5.5	92	24.0	100
Selenium	0.3	19	0.037	12	18.2	96
Silver	0	18	0.017		16.7	93
Thallium	0	21	0.019		19.2	91
Vanadium	0.5	19	-1.0	-200	20.9	110
Zinc	11	29	10.8	98	29.2	101

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.
MF5WA5

Lab Name: Bonner Analytical Testing Contract: EPW09037

Lab Code: BONNER Case No.: 42562 Mod. Ref. No.: SDG No.: MF5WA4

Matrix: Soil Lab Sample ID: 1205240-02

% Solids: 77.9 Date Received: 05/16/2012

Concentration Units (**ug/L**, **ug**, or **mg/kg** dry weight): mg/Kg

CAS NO.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	18200		E	P
7440-36-0	Antimony	0.48	J	D N	MS
7440-38-2	Arsenic	5.3	J	D	MS
7440-39-3	Barium	155		D	MS
7440-41-7	Beryllium	0.91	J	D	MS
7440-43-9	Cadmium	1.4	J	D	MS
7440-70-2	Calcium	59500		* E	P
7440-47-3	Chromium	57.0		D	MS
7440-48-4	Cobalt	43.5		D	MS
7440-50-8	Copper	62.7		D	MS
7439-89-6	Iron	14900		E	P
7439-92-1	Lead	210		D	MS
7439-95-4	Magnesium	2290		E	P
7439-96-5	Manganese	717		D	MS
7439-97-6	Mercury	0.038	J		CV
7440-02-0	Nickel	17.3		D E	MS
7440-09-7	Potassium	2420		E	P
7782-49-2	Selenium	0.79	J	D	MS
7440-22-4	Silver	39.7		D	MS
7440-23-5	Sodium	93.0	J		P
7440-28-0	Thallium	0.16	J	D	MS
7440-62-2	Vanadium	48.8	J	D	MS
7440-66-6	Zinc	1560		D	MS
57-12-5	Cyanide	0.47	J		AS

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts: YES

Comments:
Artifacts: rocks

USEPA - CLP

3-IN
BLANKS

Lab Name: Bonner Analytical Testing Contract: EPW09037

Lab Code: BONNER Case No.: 42562 Mod. Ref. No.: _____ SDG No.: MF5WA4

Preparation Blank Matrix (soil/water/wipe/filter): Soil

Preparation Blank Concentration Units (ug/L, ug, or mg/kg): mg/kg

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		C	M
Aluminum	200	U	200	U	200	U	200	U	20.0	U	P
Calcium	5000	U	5000	U	5000	U	5000	U	500	U	P
Iron	100	U	5.7	J	3.1	J	2.9	J	-0.73	J	P
Magnesium	5000	U	14.1	J	18.6	J	15.2	J	500	U	P
Potassium	75.8	J	63.0	J	104	J	98.3	J	5.5	J	P
Sodium	22.0	J	18.7	J	45.1	J	50.7	J	2.3	J	P

USEPA - CLP

3-IN
BLANKS

Lab Name: Bonner Analytical Testing Contract: EPW09037

Lab Code: BONNER Case No.: 42562 Mod. Ref. No.: SDG No.: MF5WA4

Preparation Blank Matrix (soil/water/wipe/filter): Soil

Preparation Blank Concentration Units (ug/L, ug, or mg/kg): mg/kg

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		C	M
Antimony	0.35	J	0.53	J	0.51	J			1.0	U	MS
Arsenic	1.0	U	1.0	U	1.0	U			0.50	U	MS
Barium	10	U	10	U	10	U			5.0	U	MS
Beryllium	1.0	U	1.0	U	1.0	U			0.50	U	MS
Cadmium	1.0	U	1.0	U	1.0	U			0.50	U	MS
Chromium	2.0	U	2.0	U	2.0	U			1.0	U	MS
Cobalt	1.0	U	0.024	J	0.027	J			0.50	U	MS
Copper	2.0	U	2.0	U	2.0	U			1.0	U	MS
Lead	0.038	J	0.048	J	0.048	J			0.50	U	MS
Manganese	1.0	U	1.0	U	1.0	U			0.50	U	MS
Nickel	-0.16	J	-0.14	J	-0.067	J			-0.017	J	MS
Selenium	5.0	U	5.0	U	5.0	U			2.5	U	MS
Silver	1.0	U	1.0	U	1.0	U			0.50	U	MS
Thallium	1.0	U	0.059	J	1.0	U			0.50	U	MS
Vanadium	5.0	U	5.0	U	5.0	U			2.5	U	MS
Zinc	2.0	U	2.0	U	2.0	U			1.0	U	MS

USEPA - CLP

3-IN
BLANKS

Lab Name: Bonner Analytical Testing Contract: EPW09037

Lab Code: BONNER Case No.: 42562 Mod. Ref. No.: _____ SDG No.: MF5WA4

Preparation Blank Matrix (soil/water/wipe/filter): Soil

Preparation Blank Concentration Units (ug/L, ug, or mg/kg): mg/kg

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		C	M
Cyanide	6.5	J	2.9	J	-3.4	J			0.15	J	AS

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Sample Name: SEQ-CCV@CCV05 Acquired: 6/3/2012 15:31:16 Type: QC
Method: ISM1.3_2th_MDLs_2012(v12) Mode: CONC Corr. Factor: 1.000000
User: MSB2 EPA ID: SDG: CASE:
Comment:

Elem	Ag3280	Al3961	As1890	B_2497	Ba4554	Be3131	Ca3181	Cd2144
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1020.2**	**19661.**	**2048.8**	**2060.**	**16727.**	**426.39**	**54149.**	**1069.6**
Stddev	9.0	171.	7.9	17.	312.	3.98	440.	1.5
%RSD	.87918	.86821	.38455	.8239	1.8646	.93288	.81166	.13972
#1	1012.7	19464.	2053.7	2041.	16460.	422.06	53642.	1071.2
#2	1017.7	19759.	2039.7	2068.	16651.	427.22	54421.	1068.3
#3	1030.1	19760.	2052.9	2071.	17070.	429.88	54384.	1069.2

Elem	Co2286	Cr2677	Cu3247	Fe2382	K_7664	Li6707	Mg2790	Mn2576
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2634.6**	**2102.2**	**5172.6**	**21196.**	**50164.**	**1035.**	**51588.**	**3149.2**
Stddev	2.3	18.9	13.5	243.	179.	5.	336.	37.2
%RSD	.08906	.90010	.26108	1.1459	.35590	.5004	.65084	1.1807
#1	2633.7	2082.5	5182.2	20917.	49971.	1029.	51203.	3108.7
#2	2632.9	2103.8	5157.2	21315.	50324.	1039.	51822.	3156.9
#3	2637.3	2120.2	5178.5	21357.	50198.	1038.	51739.	3181.9

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1047.**	**51297.**	**4209.2**	**1913.6**	**4163.5**	**3708.7**	**2132.**	**4239.8**
Stddev	1.	345.	12.9	10.8	8.8	9.2	3.	3.3
%RSD	.1082	.67316	.30741	.56368	.21175	.24925	.1295	.07695
#1	1046.	50905.	4220.1	1921.2	4162.9	3701.8	2131.	4243.5
#2	1046.	51556.	4194.9	1901.3	4155.1	3705.2	2129.	4238.1
#3	1048.	51429.	4212.6	1918.4	4172.7	3719.2	2135.	4237.7

Elem	V_2924	Zn2062
Units	ppb	ppb
Avg	**4183.1**	**8293.0**
Stddev	47.2	33.4
%RSD	1.1284	.40288
#1	4129.9	8326.9
#2	4199.0	8260.1
#3	4220.2	8291.9

Sample Name: SEQ-CCV@CCV~~02~~ 05 Acquired: 6/3/2012 15:31:16 Type: QC
Method: ISM1.3_2th_MDLs_2012(v12) Mode: CONC Corr. Factor: 1.000000
User: MSB2 EPA ID: SDG: CASE:
Comment:

Int. Std.	In2306	Sc2273	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4348.3**	**1128.0**	**1726.5**	**24017.**	**10687.**
Stddev	7.0	3.2	1.1	50.	22.
%RSD	.16050	.28201	.06466	.20931	.20583
#1	4345.9	1124.8	1725.3	24031.	10669.
#2	4342.8	1131.1	1727.6	24059.	10682.
#3	4356.2	1127.9	1726.6	23962.	10711.

Sample Name: SEQ-CCB@CCB~~02~~ 05 Acquired: 6/3/2012 15:35:29 Type: QC
Method: ISM1.3_2th_MDLs_2012(v12) Mode: CONC Corr. Factor: 1.000000
User: MSB2 EPA ID: SDG: CASE:
Comment:

Elem	Ag3280	Al3961	As1890	B_2497	Ba4554	Be3131	Ca3181	Cd2144
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.07477**	**5.5708**	**1.0663**	**1.652**	**5.8507**	**.16369**	**29.056**	**.43721**
Stddev	1.3356	12.754	.3689	.607	.2704	.07632	4.525	.04657
%RSD	1786.3	228.94	34.596	36.77	4.6218	46.626	15.574	10.651
#1	1.4144	20.264	.75014	1.004	6.1629	.24684	27.520	.48820
#2	-1.1668	-2.6355	.97710	1.743	5.6913	.09681	25.498	.42648
#3	-.47193	-.91651	1.4716	2.208	5.6979	.14743	34.149	.39694

Elem	Co2286	Cr2677	Cu3247	Fe2382	K_7664	Li6707	Mg2790	Mn2576
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.1162**	**-.21583**	**1.5848**	**6.4123**	**54.431**	**.6550**	**21.886**	**.87537**
Stddev	.1953	1.3524	.0804	14.041	6.709	.0807	1.241	.53275
%RSD	17.498	626.60	5.0738	218.97	12.326	12.32	5.6717	60.860
#1	1.2809	1.3431	1.6672	22.382	60.496	.7481	21.242	1.4879
#2	1.1672	-1.0740	1.5806	.85377	47.224	.6111	23.316	.61825
#3	.90040	-.91659	1.5066	-3.9986	55.571	.6057	21.098	.51996

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.7028**	**19.338**	**1.6674**	**.85573**	**1.3745**	**2.4330**	**1.066**	**2.2938**
Stddev	.1616	1.097	.3155	1.2905	.6728	1.3668	.092	.5116
%RSD	22.99	5.6710	18.920	150.80	48.953	56.179	8.678	22.303
#1	.7982	20.419	1.8280	2.3444	1.0645	.95683	.9798	2.8473
#2	.7938	19.369	1.3039	.16678	.91245	2.6873	1.164	1.8383
#3	.5162	18.226	1.8702	.05596	2.1464	3.6547	1.055	2.1957

Elem	V_2924	Zn2062
Units	ppb	ppb
Avg	**1.0320**	**3.3517**
Stddev	.4349	.3639
%RSD	42.141	10.856
#1	.93494	3.7373
#2	1.5073	3.3034
#3	.65387	3.0144

Sample Name: SEQ-CCB@CCB~~02~~05 Acquired: 6/3/2012 15:35:29 Type: QC
Method: ISM1.3_2th_MDLs_2012(v12) Mode: CONC Corr. Factor: 1.000000
User: MSB2 EPA ID: SDG: CASE:
Comment:

Int. Std.	In2306	Sc2273	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4962.5**	**1230.8**	**1813.3**	**25143.**	**10695.**
Stddev	12.4	5.1	4.2	90.	48.
%RSD	.25059	.41083	.23056	.35717	.45053
#1	4948.3	1225.2	1808.5	25117.	10738.
#2	4971.3	1232.6	1816.2	25243.	10704.
#3	4968.0	1234.8	1815.1	25069.	10643.