Client Sample Results

Client: GEI Consultants, Inc.
Project/Site: TIMET

TestAmerica Job ID: 680-96723-1

Client Sample ID: P-B-7_SS
Date Collected: 12/02/13 10:15
Date Received: 12/04/13 09:20

Lab Sample ID: 680-96723-1
Matrix: Solid
Percent Solids: 94.3

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	**69**	**J B**	410	4.1	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-2	**75**	**J B**	410	4.3	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-3	**74**	**J B**	410	4.6	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-4	180	U	410	180	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-5	120	U	410	120	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-6	120	U	410	120	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-7	110	U	410	110	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-8	**170**	**J**	410	110	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-9	120	U	410	120	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-10	100	U	410	100	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-11	120	U	410	120	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-12/13	120	U	820	120	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-14	100	U	410	100	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-15	**330**	**J**	410	120	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-16	**49**	**J**	410	20	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-17	**36**	**J**	410	14	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-18/30	**100**	**J**	820	12	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-19	19	U	410	19	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-20/28	**600**	**J B**	820	15	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-21/33	**190**	**J B**	820	14	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-22	**200**	**J**	410	16	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-23	14	U	410	14	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-24	10	U	410	10	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-25	**16**	**J q**	410	14	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-26/29	**44**	**J q**	820	14	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-27	10	U	410	10	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-31	**650**	**B**	410	14	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-32	**35**	**J**	410	8.1	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-34	14	U	410	14	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-35	**26**	**J**	410	16	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-36	14	U	410	14	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-37	**520**		410	17	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-38	15	U	410	15	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-39	14	U	410	14	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-40/71	**800**	**J**	820	20	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-41	26	U	410	26	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-42	**360**	**J**	410	23	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-43	23	U	410	23	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-44/47/65	**5100**	**B**	1200	19	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-45	23	U	410	23	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-46	24	U	410	24	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-48	**170**	**J**	410	21	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-49/69	**2300**		820	17	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-50/53	**160**	**J**	820	19	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-51	19	U	410	19	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-52	**15000**	**B**	410	21	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-54	7.2	U	410	7.2	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-55	87	U	410	87	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-56	**2000**		410	94	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10

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Percent Solids: 94.3

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-57	85	U	410	85	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-58	86	U	410	86	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-59/62/75	15	U	1200	15	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-60	**1100**		410	90	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-61/70/74/76	**19000**	**B**	1600	84	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-63	**200**	**J**	410	80	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-64	**1900**		410	14	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-66	**6600**		410	95	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-67	80	U	410	80	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-68	76	U	410	76	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-72	82	U	410	82	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-73	16	U	410	16	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-77	**600**	**G**	96	96	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-78	97	U	410	97	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-79	**490**	**q**	410	84	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-80	80	U	410	80	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-81	93	U G	93	93	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-82	**4500**	**G**	700	700	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-83	**1300**	**G**	760	760	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-84	**7000**	**G**	640	640	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-85/116/117	**6200**		1200	470	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-86/87/97/108/119/125	**24000**	**B**	2500	480	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-88/91	**3000**		820	540	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-89	600	U G	600	600	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-90/101/113	**33000**	**B**	1200	490	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-92	**5100**	**G**	570	570	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-93/100	540	U	820	540	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-107/124	**1600**		820	440	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-94	570	U G	570	570	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-95	**19000**	**B G**	530	530	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-96	**51**	**J**	410	4.0	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-98/102	500	U	820	500	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-99	**18000**	**B G**	570	570	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-103	500	U G	500	500	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-104	4.8	U	410	4.8	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-105	**24000**	**G**	480	480	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-106	480	U G	480	480	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-110/115	**51000**	**B**	820	430	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-109	**2700**		410	410	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-111	390	U	410	390	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-112	380	U	410	380	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-114	**710**	**G**	470	470	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-118	**50000**	**E B G**	440	440	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-120	420	U G	420	420	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-121	390	U	410	390	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-122	490	U G	490	490	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-123	**490**	**q G**	450	450	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-126	550	U G	550	550	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-127	480	U G	480	480	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10

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Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-128/166	8800		820	97	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-129/138/163	45000	B	1200	100	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-130	2400		410	130	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-131	440		410	120	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-132	11000		410	120	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-133	290	J	410	120	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-134/143	1400		820	120	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-135/151	4700		820	100	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-136	2000		410	75	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-137	2500		410	100	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-139/140	580	J	820	98	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-141	4700		410	110	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-142	110	U	410	110	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-144	830		410	100	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-145	73	U	410	73	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-146	3700		410	110	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-147/149	17000	B	820	100	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-148	100	U	410	100	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-150	68	U	410	68	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-152	70	U	410	70	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-153/168	25000	B	820	85	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-154	170	J	410	90	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-155	81	U	410	81	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-156/157	9100		82	60	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-158	4900		410	78	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-159	48	U	410	48	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-160	89	U	410	89	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-161	78	U	410	78	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-162	47	U	410	47	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-164	2400		410	86	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-165	90	U	410	90	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-167	2400	G	43	43	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-169	53	U G	53	53	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-170	5600		410	13	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-171/173	1300		820	12	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-172	600		410	13	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-174	2700		410	13	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-175	100	J	410	9.0	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-176	200	J	410	6.0	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-177	1600		410	13	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-178	300	J	410	9.4	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-179	500		410	6.6	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-180/193	7200		820	10	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-181	76	J	410	10	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-182	26	J	410	8.4	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-183	1400		410	9.3	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-184	14	J	410	6.7	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-185	98	J q	410	11	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-186	6.4	U	410	6.4	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10

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Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-187	1900		410	8.7	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-188	11	J	410	7.0	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-189	250		41	10	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-190	890		410	9.4	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-191	170	J	410	9.1	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-192	9.5	U	410	9.5	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-194	740		410	11	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-195	200	J	410	10	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-196	310	J	410	7.3	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-197	93	J	410	4.9	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-198/199	580	J	820	7.6	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-200	47	J	410	5.0	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-201	95	J q	410	4.9	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-202	88	J	410	6.3	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-203	360	J	410	6.8	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-204	25	J	410	5.1	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-205	45	J q	410	7.2	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-206	620		410	11	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-207	860		410	8.5	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-208	580		410	11	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
PCB-209	58000	E B	410	9.8	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
Total Monochlorobiphenyls	220	J B	4100	4.3	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
Total Dichlorobiphenyls	510	J	4100	120	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
Total Trichlorobiphenyls	2500	J B q	4100	14	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
Total Tetrachlorobiphenyls	55000	B q	4100	53	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
Total Pentachlorobiphenyls	250000	B q	4100	480	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
Total Hexachlorobiphenyls	150000	B	4100	89	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
Total Heptachlorobiphenyls	25000	q	4100	9.6	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
Total Octachlorobiphenyls	2600	J q	4100	6.9	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
Total Nonachlorobiphenyls	2100	J	4100	10	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10
Polychlorinated biphenyls, Total	550000	B q	4100	79	pg/g	☼	12/30/13 13:50	02/08/14 12:19	10

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-4L	*41*		*5 - 145*	*12/30/13 13:50*	*02/08/14 12:19*	*10*
PCB-15L	*55*		*5 - 145*	*12/30/13 13:50*	*02/08/14 12:19*	*10*
PCB-123L	*84*		*10 - 145*	*12/30/13 13:50*	*02/08/14 12:19*	*10*
PCB-114L	*86*		*10 - 145*	*12/30/13 13:50*	*02/08/14 12:19*	*10*
PCB-202L	*80*		*10 - 145*	*12/30/13 13:50*	*02/08/14 12:19*	*10*
PCB-3L	*46*		*5 - 145*	*12/30/13 13:50*	*02/08/14 12:19*	*10*
PCB-118L	*85*		*10 - 145*	*12/30/13 13:50*	*02/08/14 12:19*	*10*
PCB-126L	*92*		*10 - 145*	*12/30/13 13:50*	*02/08/14 12:19*	*10*
PCB-206L	*99*		*10 - 145*	*12/30/13 13:50*	*02/08/14 12:19*	*10*
PCB-169L	*100*		*10 - 145*	*12/30/13 13:50*	*02/08/14 12:19*	*10*
PCB-37L	*70*		*5 - 145*	*12/30/13 13:50*	*02/08/14 12:19*	*10*
PCB-19L	*48*		*5 - 145*	*12/30/13 13:50*	*02/08/14 12:19*	*10*
PCB-188L	*73*		*10 - 145*	*12/30/13 13:50*	*02/08/14 12:19*	*10*
PCB-54L	*52*		*5 - 145*	*12/30/13 13:50*	*02/08/14 12:19*	*10*
PCB-156L/157L	*91*		*10 - 145*	*12/30/13 13:50*	*02/08/14 12:19*	*10*
PCB-167L	*96*		*10 - 145*	*12/30/13 13:50*	*02/08/14 12:19*	*10*
PCB-209L	*94*		*10 - 145*	*12/30/13 13:50*	*02/08/14 12:19*	*10*

Client Sample ID: P-B-7_SS

Date Collected: 12/02/13 10:15
Date Received: 12/04/13 09:20

Lab Sample ID: 680-96723-1
Matrix: Solid
Percent Solids: 94.3

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-189L	90		10 - 145	12/30/13 13:50	02/08/14 12:19	10
PCB-105L	88		10 - 145	12/30/13 13:50	02/08/14 12:19	10
PCB-208L	90		10 - 145	12/30/13 13:50	02/08/14 12:19	10
PCB-1L	37		5 - 145	12/30/13 13:50	02/08/14 12:19	10
PCB-104L	51		10 - 145	12/30/13 13:50	02/08/14 12:19	10
PCB-81L	85		10 - 145	12/30/13 13:50	02/08/14 12:19	10
PCB-77L	88		10 - 145	12/30/13 13:50	02/08/14 12:19	10
PCB-205L	97		10 - 145	12/30/13 13:50	02/08/14 12:19	10
PCB-155L	64		10 - 145	12/30/13 13:50	02/08/14 12:19	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	76		5 - 145	12/30/13 13:50	02/08/14 12:19	10
PCB-111L	79		10 - 145	12/30/13 13:50	02/08/14 12:19	10
PCB-178L	86		10 - 145	12/30/13 13:50	02/08/14 12:19	10

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		98	69	mg/Kg	☼	12/05/13 10:06	01/08/14 14:33	5
Antimony	3.1	U	4.9	3.1	mg/Kg	☼	12/05/13 10:06	01/08/14 14:33	5
Barium	**220**		25	1.2	mg/Kg	☼	12/05/13 10:06	01/08/14 14:33	5
Beryllium	0.83	U	2.5	0.83	mg/Kg	☼	12/05/13 10:06	01/08/14 14:33	5
Cadmium	0.49	U	2.5	0.49	mg/Kg	☼	12/05/13 10:06	01/08/14 14:33	5
Calcium	**29000**		1200	65	mg/Kg	☼	12/05/13 10:06	01/08/14 14:33	5
Chromium	**14**		4.9	1.5	mg/Kg	☼	12/05/13 10:06	01/08/14 14:33	5
Cobalt	**11**	J	25	4.6	mg/Kg	☼	12/05/13 10:06	01/08/14 14:33	5
Copper	**21**		12	3.6	mg/Kg	☼	12/05/13 10:06	01/08/14 14:33	5
Iron	**18000**		49	15	mg/Kg	☼	12/05/13 10:06	01/08/14 14:33	5
Lead	**18**		4.9	0.84	mg/Kg	☼	12/05/13 10:06	01/08/14 14:33	5
Magnesium	**11000**		490	41	mg/Kg	☼	12/05/13 10:06	01/08/14 14:33	5
Manganese	**890**		4.9	0.76	mg/Kg	☼	12/05/13 10:06	01/08/14 14:33	5
Nickel	**18**	J	20	1.1	mg/Kg	☼	12/05/13 10:06	01/08/14 14:33	5
Potassium	**2200**	J	2500	1700	mg/Kg	☼	12/05/13 10:06	01/08/14 14:33	5
Selenium	1.4	U	7.4	1.4	mg/Kg	☼	12/05/13 10:06	01/08/14 14:33	5
Silver	1.1	U	4.9	1.1	mg/Kg	☼	12/05/13 10:06	01/08/14 14:33	5
Sodium	**2000**		490	230	mg/Kg	☼	12/05/13 10:06	01/08/14 14:33	5
Titanium	**2000**		9.8	3.1	mg/Kg	☼	12/05/13 10:06	01/08/14 14:33	5
Vanadium	**52**		25	6.2	mg/Kg	☼	12/05/13 10:06	01/08/14 14:33	5
Zinc	**45**		25	9.7	mg/Kg	☼	12/05/13 10:06	01/08/14 14:33	5

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.0**	J	4.9	1.3	mg/Kg	☼	12/05/13 09:53	12/25/13 05:18	10
Niobium	**4.0**	J	12	1.9	mg/Kg	☼	12/05/13 09:53	12/25/13 05:18	10
Thallium	0.75	U	2.5	0.75	mg/Kg	☼	12/05/13 09:53	12/25/13 05:18	10
Uranium	**1.1**		0.49	0.098	mg/Kg	☼	12/05/13 09:53	12/25/13 05:18	10

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.016**	J	0.032	0.011	mg/Kg	☼	12/09/13 07:33	12/11/13 12:05	1

Client Sample Results

Client: GEI Consultants, Inc.
Project/Site: TIMET

TestAmerica Job ID: 680-96723-1

Client Sample ID: P-B-7_SS

Lab Sample ID: 680-96723-1
Date Collected: 12/02/13 10:15
Matrix: Solid
Date Received: 12/04/13 09:20
Percent Solids: 94.3

General Chemistry - Soluble - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	19	H	4.2	0.85	mg/Kg	☼		01/08/14 03:23	20
Sulfate	1000	H	110	11	mg/Kg	☼		01/08/14 03:23	20

General Chemistry - Soluble - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1100	H	110	11	mg/Kg	☼		01/08/14 03:39	50

Client Sample ID: P-B-7_SS DUP

Lab Sample ID: 680-96723-2
Date Collected: 12/02/13 10:15
Matrix: Solid
Date Received: 12/04/13 09:20
Percent Solids: 93.5

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) - DL

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	110	J B	430	1.9	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-2	110	J B	430	2.0	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-3	110	J B	430	2.1	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-4	69	U	430	69	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-5	41	U	430	41	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-6	110	J	430	41	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-7	38	U	430	38	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-8	200	J	430	40	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-9	43	U	430	43	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-10	50	U	430	50	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-11	63	J	430	42	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-12/13	190	J	850	43	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-14	36	U	430	36	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-15	580		430	49	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-16	70	J	430	6.0	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-17	45	J	430	4.2	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-18/30	150	J	850	3.6	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-19	10	J q	430	5.0	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-20/28	930	B	850	18	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-21/33	220	J B	850	17	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-22	270	J	430	19	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-23	16	U	430	16	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-24	3.1	U	430	3.1	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-25	41	J	430	17	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-26/29	87	J	850	17	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-27	10	J q	430	3.2	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-31	870	B	430	17	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-32	48	J	430	2.5	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-34	17	U	430	17	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-35	54	J	430	19	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-36	100	J	430	17	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-37	1100		430	22	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-38	18	U	430	18	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-39	17	U	430	17	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-40/71	1300		850	22	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-41	73	J	430	29	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-42	620		430	24	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10

Client Sample ID: P-B-7_SS DUP

Date Collected: 12/02/13 10:15
Date Received: 12/04/13 09:20

Lab Sample ID: 680-96723-2
Matrix: Solid
Percent Solids: 93.5

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) - DL (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-43	64	J	430	25	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-44/47/65	8900	B	1300	21	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-45	110	J	430	25	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-46	40	J	430	26	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-48	300	J	430	22	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-49/69	4200		850	18	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-50/53	320	J	850	21	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-51	29	J	430	21	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-52	26000	B	430	23	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-54	3.1	U	430	3.1	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-55	84	U	430	84	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-56	2800		430	91	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-57	83	U	430	83	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-58	850		430	83	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-59/62/75	120	J	1300	16	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-60	1500		430	88	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-61/70/74/76	25000	B	1700	82	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-63	250	J	430	78	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-64	3200		430	15	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-66	9200		430	93	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-67	77	U	430	77	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-68	74	U	430	74	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-72	80	U	430	80	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-73	36	J	430	17	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-77	1300	G	100	100	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-78	270	J	430	94	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-79	300	J	430	81	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-80	78	U	430	78	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-81	99	U G	99	99	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-82	7100	G	820	820	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-83	2600	G	890	890	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-84	12000	G	740	740	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-85/116/117	11000		1300	550	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-86/87/97/108/119/125	39000	B	2600	560	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-88/91	5300		850	620	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-89	700	U G	700	700	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-90/101/113	55000	B	1300	570	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-92	8300	G	660	660	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-93/100	630	U	850	630	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-107/124	2400		850	520	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-94	660	U G	660	660	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-95	33000	G B	620	620	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-96	110	J	430	2.8	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-98/102	800	J	850	580	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-99	31000	G B	660	660	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-103	580	U G	580	580	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-104	3.3	U	430	3.3	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-105	38000	G	570	570	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-106	560	U G	560	560	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10

Client Sample ID: P-B-7_SS DUP

Date Collected: 12/02/13 10:15
Date Received: 12/04/13 09:20

Lab Sample ID: 680-96723-2
Matrix: Solid
Percent Solids: 93.5

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) - DL (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-110/115	81000	B	850	500	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-109	3800	G	480	480	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-111	460	U G	460	460	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-112	440	U G	440	440	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-114	1100	G	530	530	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-118	70000	E G B	500	500	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-120	490	U G	490	490	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-121	460	U G	460	460	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-122	580	G	570	570	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-123	920	G	530	530	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-126	590	U G	590	590	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-127	560	U G	560	560	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-128/166	14000		850	170	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-129/138/163	72000	B	1300	180	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-130	4200		430	230	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-131	750		430	220	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-132	19000		430	210	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-133	490		430	210	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-134/143	2600		850	210	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-135/151	7900		850	190	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-136	3500		430	130	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-137	4300		430	180	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-139/140	1000		850	180	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-141	8200		430	200	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-142	200	U	430	200	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-144	1500		430	180	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-145	130	U	430	130	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-146	6300		430	200	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-147/149	29000	B	850	180	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-148	180	U	430	180	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-150	120	U	430	120	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-152	120	U	430	120	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-153/168	41000	B	850	150	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-154	310	J	430	160	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-155	160	U	430	160	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-156/157	13000		85	83	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-158	8000		430	140	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-159	71	U	430	71	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-160	160	U	430	160	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-161	140	U	430	140	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-162	300	J	430	69	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-164	3800		430	150	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-165	160	U	430	160	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-167	3600	G	63	63	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-169	81	U G	81	81	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-170	8900		430	12	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-171/173	2200		850	11	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-172	950		430	11	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-174	4400		430	11	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10

Client Sample ID: P-B-7_SS DUP

Date Collected: 12/02/13 10:15
Date Received: 12/04/13 09:20

Lab Sample ID: 680-96723-2
Matrix: Solid
Percent Solids: 93.5

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) - DL (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-175	200	J	430	6.1	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-176	380	J	430	4.1	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-177	2900		430	11	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-178	550		430	6.4	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-179	930		430	4.5	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-180/193	12000		850	8.9	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-181	130	J q	430	9.1	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-182	55	J	430	5.7	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-183	2400		430	8.2	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-184	41	J	430	4.6	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-185	260	J	430	9.9	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-186	4.3	U	430	4.3	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-187	3400		430	5.9	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-188	29	J	430	4.7	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-189	390		43	4.6	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-190	1400		430	8.3	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-191	310	J	430	8.0	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-192	8.4	U	430	8.4	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-194	1300		430	8.3	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-195	400	J	430	7.7	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-196	610		430	3.8	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-197	240	J	430	2.6	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-198/199	1300		850	4.0	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-200	100	J	430	2.6	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-201	270	J	430	2.6	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-202	220	J	430	3.0	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-203	720		430	3.5	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-204	68	J	430	2.7	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-205	110	J	430	5.9	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-206	1700		430	8.3	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-207	2200		430	6.0	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-208	1500		430	7.0	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
PCB-209	140000	E B	430	14	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
Total Monochlorobiphenyls	320	J B	4300	2.0	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
Total Dichlorobiphenyls	1100	J	4300	45	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
Total Trichlorobiphenyls	4000	J q B	4300	13	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
Total Tetrachlorobiphenyls	87000	B	4300	53	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
Total Pentachlorobiphenyls	400000	B	4300	550	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
Total Hexachlorobiphenyls	240000	B	4300	160	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
Total Heptachlorobiphenyls	42000	q	4300	7.6	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
Total Octachlorobiphenyls	5300		4300	4.2	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
Total Nonachlorobiphenyls	5400		4300	7.1	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10
Polychlorinated biphenyls, Total	930000	q B	4300	85	pg/g	☼	12/30/13 13:50	02/09/14 01:15	10

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-4L	*24*		*5 - 145*	*12/30/13 13:50*	*02/09/14 01:15*	*10*
PCB-15L	*24*		*5 - 145*	*12/30/13 13:50*	*02/09/14 01:15*	*10*
PCB-123L	*24*		*10 - 145*	*12/30/13 13:50*	*02/09/14 01:15*	*10*
PCB-114L	*25*		*10 - 145*	*12/30/13 13:50*	*02/09/14 01:15*	*10*
PCB-202L	*24*		*10 - 145*	*12/30/13 13:50*	*02/09/14 01:15*	*10*

Client Sample ID: P-B-7_SS DUP

Date Collected: 12/02/13 10:15
Date Received: 12/04/13 09:20

Lab Sample ID: 680-96723-2
Matrix: Solid
Percent Solids: 93.5

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) - DL (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-3L	28		5 - 145	12/30/13 13:50	02/09/14 01:15	10
PCB-118L	25		10 - 145	12/30/13 13:50	02/09/14 01:15	10
PCB-126L	28		10 - 145	12/30/13 13:50	02/09/14 01:15	10
PCB-206L	26		10 - 145	12/30/13 13:50	02/09/14 01:15	10
PCB-169L	27		10 - 145	12/30/13 13:50	02/09/14 01:15	10
PCB-37L	22		5 - 145	12/30/13 13:50	02/09/14 01:15	10
PCB-19L	21		5 - 145	12/30/13 13:50	02/09/14 01:15	10
PCB-188L	22		10 - 145	12/30/13 13:50	02/09/14 01:15	10
PCB-54L	20		5 - 145	12/30/13 13:50	02/09/14 01:15	10
PCB-156L/157L	26		10 - 145	12/30/13 13:50	02/09/14 01:15	10
PCB-167L	25		10 - 145	12/30/13 13:50	02/09/14 01:15	10
PCB-209L	26		10 - 145	12/30/13 13:50	02/09/14 01:15	10
PCB-189L	25		10 - 145	12/30/13 13:50	02/09/14 01:15	10
PCB-105L	25		10 - 145	12/30/13 13:50	02/09/14 01:15	10
PCB-208L	27		10 - 145	12/30/13 13:50	02/09/14 01:15	10
PCB-1L	27		5 - 145	12/30/13 13:50	02/09/14 01:15	10
PCB-104L	16		10 - 145	12/30/13 13:50	02/09/14 01:15	10
PCB-81L	26		10 - 145	12/30/13 13:50	02/09/14 01:15	10
PCB-77L	26		10 - 145	12/30/13 13:50	02/09/14 01:15	10
PCB-205L	26		10 - 145	12/30/13 13:50	02/09/14 01:15	10
PCB-155L	17		10 - 145	12/30/13 13:50	02/09/14 01:15	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	53		5 - 145	12/30/13 13:50	02/09/14 01:15	10
PCB-111L	74		10 - 145	12/30/13 13:50	02/09/14 01:15	10
PCB-178L	79		10 - 145	12/30/13 13:50	02/09/14 01:15	10

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11000		100	73	mg/Kg	☼	12/05/13 10:06	01/08/14 14:48	5
Antimony	3.3	U	5.2	3.3	mg/Kg	☼	12/05/13 10:06	01/08/14 14:48	5
Barium	300		26	1.3	mg/Kg	☼	12/05/13 10:06	01/08/14 14:48	5
Beryllium	0.88	U	2.6	0.88	mg/Kg	☼	12/05/13 10:06	01/08/14 14:48	5
Cadmium	0.52	U	2.6	0.52	mg/Kg	☼	12/05/13 10:06	01/08/14 14:48	5
Calcium	30000		1300	69	mg/Kg	☼	12/05/13 10:06	01/08/14 14:48	5
Chromium	21		5.2	1.6	mg/Kg	☼	12/05/13 10:06	01/08/14 14:48	5
Cobalt	10	J	26	4.9	mg/Kg	☼	12/05/13 10:06	01/08/14 14:48	5
Copper	19		13	3.8	mg/Kg	☼	12/05/13 10:06	01/08/14 14:48	5
Iron	17000		52	15	mg/Kg	☼	12/05/13 10:06	01/08/14 14:48	5
Lead	18		5.2	0.89	mg/Kg	☼	12/05/13 10:06	01/08/14 14:48	5
Magnesium	11000		520	43	mg/Kg	☼	12/05/13 10:06	01/08/14 14:48	5
Manganese	890		5.2	0.80	mg/Kg	☼	12/05/13 10:06	01/08/14 14:48	5
Nickel	31		21	1.2	mg/Kg	☼	12/05/13 10:06	01/08/14 14:48	5
Potassium	2200	J	2600	1800	mg/Kg	☼	12/05/13 10:06	01/08/14 14:48	5
Selenium	1.5	U	7.8	1.5	mg/Kg	☼	12/05/13 10:06	01/08/14 14:48	5
Silver	1.2	U	5.2	1.2	mg/Kg	☼	12/05/13 10:06	01/08/14 14:48	5
Sodium	2200		520	240	mg/Kg	☼	12/05/13 10:06	01/08/14 14:48	5
Titanium	2000		10	3.3	mg/Kg	☼	12/05/13 10:06	01/08/14 14:48	5
Vanadium	52		26	6.5	mg/Kg	☼	12/05/13 10:06	01/08/14 14:48	5
Zinc	43		26	10	mg/Kg	☼	12/05/13 10:06	01/08/14 14:48	5

Client Sample Results

Client: GEI Consultants, Inc.
Project/Site: TIMET

TestAmerica Job ID: 680-96723-1

Client Sample ID: P-B-7_SS DUP

Lab Sample ID: 680-96723-2
Date Collected: 12/02/13 10:15
Matrix: Solid
Date Received: 12/04/13 09:20
Percent Solids: 93.5

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.0	J	5.2	1.4	mg/Kg	☼	12/05/13 09:53	12/25/13 05:45	10
Niobium	3.0	J	13	2.0	mg/Kg	☼	12/05/13 09:53	12/25/13 05:45	10
Thallium	0.79	U	2.6	0.79	mg/Kg	☼	12/05/13 09:53	12/25/13 05:45	10
Uranium	1.1		0.52	0.10	mg/Kg	☼	12/05/13 09:53	12/25/13 05:45	10

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021	J	0.035	0.012	mg/Kg	☼	12/09/13 07:33	12/11/13 12:15	1

General Chemistry - Soluble - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	26	H	4.3	0.86	mg/Kg	☼		01/08/14 05:51	20
Sulfate	1300	H	110	11	mg/Kg	☼		01/08/14 05:51	20

General Chemistry - Soluble - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1500	H	110	11	mg/Kg	☼		01/08/14 15:09	50

Client Sample ID: P-B-7_SUB

Lab Sample ID: 680-96723-3
Date Collected: 12/02/13 11:20
Matrix: Solid
Date Received: 12/04/13 09:20
Percent Solids: 95.7

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11000		93	65	mg/Kg	☼	12/05/13 10:06	01/08/14 14:52	5
Antimony	3.0	U	4.7	3.0	mg/Kg	☼	12/05/13 10:06	01/08/14 14:52	5
Barium	180		23	1.2	mg/Kg	☼	12/05/13 10:06	01/08/14 14:52	5
Beryllium	0.79	U	2.3	0.79	mg/Kg	☼	12/05/13 10:06	01/08/14 14:52	5
Cadmium	0.47	U	2.3	0.47	mg/Kg	☼	12/05/13 10:06	01/08/14 14:52	5
Calcium	22000		1200	62	mg/Kg	☼	12/05/13 10:06	01/08/14 14:52	5
Chromium	12		4.7	1.4	mg/Kg	☼	12/05/13 10:06	01/08/14 14:52	5
Cobalt	7.6	J	23	4.4	mg/Kg	☼	12/05/13 10:06	01/08/14 14:52	5
Copper	17		12	3.4	mg/Kg	☼	12/05/13 10:06	01/08/14 14:52	5
Iron	16000		47	14	mg/Kg	☼	12/05/13 10:06	01/08/14 14:52	5
Lead	8.9		4.7	0.80	mg/Kg	☼	12/05/13 10:06	01/08/14 14:52	5
Magnesium	9500		470	39	mg/Kg	☼	12/05/13 10:06	01/08/14 14:52	5
Manganese	380		4.7	0.72	mg/Kg	☼	12/05/13 10:06	01/08/14 14:52	5
Nickel	16	J	19	1.0	mg/Kg	☼	12/05/13 10:06	01/08/14 14:52	5
Potassium	2300		2300	1600	mg/Kg	☼	12/05/13 10:06	01/08/14 14:52	5
Selenium	1.3	U	7.0	1.3	mg/Kg	☼	12/05/13 10:06	01/08/14 14:52	5
Silver	1.1	U	4.7	1.1	mg/Kg	☼	12/05/13 10:06	01/08/14 14:52	5
Sodium	890		470	220	mg/Kg	☼	12/05/13 10:06	01/08/14 14:52	5
Titanium	880		9.3	2.9	mg/Kg	☼	12/05/13 10:06	01/08/14 14:52	5
Vanadium	41		23	5.9	mg/Kg	☼	12/05/13 10:06	01/08/14 14:52	5
Zinc	37		23	9.2	mg/Kg	☼	12/05/13 10:06	01/08/14 14:52	5

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.9	J	4.7	1.2	mg/Kg	☼	12/05/13 09:53	12/25/13 05:52	10
Niobium	1.8	U	12	1.8	mg/Kg	☼	12/05/13 09:53	12/25/13 05:52	10
Thallium	0.71	U	2.3	0.71	mg/Kg	☼	12/05/13 09:53	12/25/13 05:52	10

Client Sample ID: P-B-7_SUB

Lab Sample ID: 680-96723-3
Date Collected: 12/02/13 11:20
Matrix: Solid
Date Received: 12/04/13 09:20
Percent Solids: 95.7

Method: 6020A - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	0.86		0.47	0.093	mg/Kg	☼	12/05/13 09:53	12/25/13 05:52	10

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.011	J	0.032	0.011	mg/Kg	☼	12/09/13 07:33	12/11/13 12:17	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	7.6	H	0.21	0.042	mg/Kg	☼		01/08/14 06:07	1

General Chemistry - Soluble - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	370	H	42	4.2	mg/Kg	☼		01/08/14 06:24	20
Sulfate	210	H	100	10	mg/Kg	☼		01/08/14 06:24	20

Client Sample ID: P-B-5_SS

Lab Sample ID: 680-96723-4
Date Collected: 12/02/13 12:55
Matrix: Solid
Date Received: 12/04/13 09:20
Percent Solids: 93.0

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	3.5	J q B	42	0.95	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-2	0.94	U	42	0.94	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-3	2.1	J B	42	0.94	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-4	44	U G	44	44	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-5	7.8	U	42	7.8	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-6	7.8	U	42	7.8	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-7	7.3	U	42	7.3	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-8	7.6	U	42	7.6	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-9	8.3	U	42	8.3	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-10	26	U	42	26	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-11	8.1	U	42	8.1	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-12/13	8.2	U	85	8.2	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-14	6.8	U	42	6.8	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-15	7.9	U	42	7.9	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-16	2.9	U	42	2.9	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-17	2.1	U	42	2.1	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-18/30	1.8	U	85	1.8	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-19	2.8	U	42	2.8	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-20/28	5.9	J q B	85	1.4	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-21/33	2.9	J q B	85	1.3	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-22	1.5	U	42	1.5	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-23	1.3	U	42	1.3	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-24	1.5	U	42	1.5	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-25	1.4	U	42	1.4	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-26/29	1.4	U	85	1.4	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-27	1.5	U	42	1.5	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-31	4.7	J q B	42	1.3	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-32	1.2	U	42	1.2	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-34	1.4	U	42	1.4	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1

Client Sample ID: P-B-5_SS

Date Collected: 12/02/13 12:55
Date Received: 12/04/13 09:20

Lab Sample ID: 680-96723-4
Matrix: Solid
Percent Solids: 93.0

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-35	1.6	U	42	1.6	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-36	1.4	U	42	1.4	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-37	**6.9**	**J**	42	1.6	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-38	1.5	U	42	1.5	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-39	1.4	U	42	1.4	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-40/71	**4.9**	**J q**	85	1.2	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-41	1.6	U	42	1.6	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-42	**4.7**	**J**	42	1.3	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-43	1.4	U	42	1.4	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-44/47/65	**17**	**J B**	130	1.1	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-45	1.4	U	42	1.4	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-46	1.4	U	42	1.4	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-48	1.2	U	42	1.2	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-49/69	**7.9**	**J**	85	1.0	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-50/53	**1.9**	**J**	85	1.1	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-51	1.1	U	42	1.1	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-52	**36**	**J B**	42	1.3	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-54	1.4	U	42	1.4	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-55	1.7	U	42	1.7	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-56	**5.3**	**J**	42	1.9	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-57	1.7	U	42	1.7	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-58	1.7	U	42	1.7	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-59/62/75	**1.1**	**J q**	130	0.89	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-60	1.8	U	42	1.8	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-61/70/74/76	**41**	**J B**	170	1.7	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-63	1.6	U	42	1.6	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-64	**11**	**J**	42	0.84	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-66	**16**	**J q**	42	1.9	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-67	1.6	U	42	1.6	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-68	1.5	U	42	1.5	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-72	1.6	U	42	1.6	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-73	0.95	U	42	0.95	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-77	**21**		4.2	1.8	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-78	1.9	U	42	1.9	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-79	1.7	U	42	1.7	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-80	1.6	U	42	1.6	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-81	1.8	U	4.2	1.8	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-82	**24**	**J**	42	5.6	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-83	6.0	U	42	6.0	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-84	**35**	**J**	42	5.0	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-85/116/117	**32**	**J**	130	3.7	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-86/87/97/108/119/125	**100**	**J B**	250	3.8	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-88/91	**16**	**J**	85	4.2	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-89	4.8	U	42	4.8	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-90/101/113	**120**	**J B**	130	3.9	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-92	**21**	**J q**	42	4.5	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-93/100	4.3	U	85	4.3	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-107/124	**7.3**	**J**	85	3.5	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-94	4.5	U	42	4.5	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1

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Lab Sample ID: 680-96723-4
Matrix: Solid
Percent Solids: 93.0

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-95	**81**	**B**	42	4.2	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-96	0.75	U	42	0.75	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-98/102	4.0	U	85	4.0	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-99	**72**	**B**	42	4.5	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-103	3.9	U	42	3.9	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-104	0.98	U	42	0.98	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-105	**88**		4.2	3.7	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-106	3.8	U	42	3.8	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-110/115	**290**	**B**	85	3.4	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-109	**13**	**J**	42	3.3	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-111	3.1	U	42	3.1	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-112	3.0	U	42	3.0	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-114	3.6	U	4.2	3.6	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-118	**160**	**B**	4.2	3.4	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-120	3.3	U	42	3.3	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-121	3.1	U	42	3.1	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-122	3.9	U	42	3.9	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-123	3.6	U	4.2	3.6	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-126	**7.1**		4.2	3.9	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-127	3.8	U	42	3.8	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-128/166	**68**	**J**	85	1.7	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-129/138/163	**290**	**B**	130	1.7	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-130	**19**	**J**	42	2.2	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-131	**2.4**	**J**	42	2.1	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-132	**67**		42	2.0	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-133	2.0	U	42	2.0	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-134/143	**9.8**	**J**	85	2.0	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-135/151	**27**	**J**	85	1.8	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-136	**8.5**	**J q**	42	1.3	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-137	**14**	**J**	42	1.7	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-139/140	**3.5**	**J q**	85	1.7	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-141	**32**	**J**	42	1.9	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-142	1.9	U	42	1.9	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-144	**5.4**	**J**	42	1.7	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-145	1.2	U	42	1.2	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-146	**25**	**J**	42	1.9	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-147/149	**110**	**B**	85	1.7	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-148	1.7	U	42	1.7	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-150	1.2	U	42	1.2	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-152	1.2	U	42	1.2	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-153/168	**160**	**B**	85	1.5	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-154	1.5	U	42	1.5	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-155	1.9	U	42	1.9	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-156/157	**53**		8.5	1.5	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-158	**33**	**J**	42	1.3	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-159	1.4	U	42	1.4	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-160	1.5	U	42	1.5	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-161	1.3	U	42	1.3	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-162	1.3	U	42	1.3	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1

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Lab Sample ID: 680-96723-4

Matrix: Solid
Percent Solids: 93.0

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-164	18	J	42	1.5	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-165	1.5	U	42	1.5	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-167	19		4.2	1.2	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-169	1.4	U	4.2	1.4	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-170	61		42	1.3	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-171/173	13	J	85	1.2	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-172	6.9	J q	42	1.2	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-174	28	J	42	1.2	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-175	1.9	J q	42	1.3	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-176	2.4	J	42	0.86	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-177	19	J	42	1.2	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-178	3.5	J	42	1.3	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-179	5.0	J	42	0.93	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-180/193	88		85	1.0	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-181	1.0	U	42	1.0	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-182	1.2	U	42	1.2	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-183	18	J	42	0.92	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-184	1.7	J	42	0.96	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-185	2.1	J q	42	1.1	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-186	0.91	U	42	0.91	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-187	21	J	42	1.2	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-188	1.3	U	42	1.3	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-189	3.4	J	4.2	0.82	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-190	7.9	J	42	0.93	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-191	2.9	J	42	0.90	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-192	0.94	U	42	0.94	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-194	14	J	42	1.2	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-195	4.2	J q	42	1.1	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-196	8.1	J q	42	1.2	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-197	3.4	J q	42	0.81	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-198/199	13	J	85	1.3	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-200	1.6	J	42	0.82	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-201	4.7	J	42	0.81	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-202	2.9	J	42	1.2	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-203	7.0	J	42	1.1	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-204	2.6	J	42	0.85	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-205	2.9	J	42	0.69	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-206	23	J	42	0.94	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-207	29	J	42	0.73	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-208	18	J	42	0.91	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
PCB-209	470	B	42	0.69	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
Total Monochlorobiphenyls	5.6	J q B	420	0.94	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
Total Dichlorobiphenyls	44	U	420	44	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
Total Trichlorobiphenyls	20	J q B	420	1.6	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
Total Tetrachlorobiphenyls	170	J q B	420	1.5	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
Total Pentachlorobiphenyls	1100	q B	420	3.8	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
Total Hexachlorobiphenyls	960	q B	420	1.6	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
Total Heptachlorobiphenyls	290	J q	420	1.1	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
Total Octachlorobiphenyls	64	J q	420	1.0	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1

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Lab Sample ID: 680-96723-4
Matrix: Solid
Percent Solids: 93.0

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Nonachlorobiphenyls	69	J	420	0.86	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1
Polychlorinated biphenyls, Total	3100	q B	420	5.7	pg/g	☼	12/30/13 13:50	02/10/14 18:30	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-4L	*24*		*5 - 145*	*12/30/13 13:50*	*02/10/14 18:30*	*1*
PCB-15L	*34*		*5 - 145*	*12/30/13 13:50*	*02/10/14 18:30*	*1*
PCB-123L	*44*		*10 - 145*	*12/30/13 13:50*	*02/10/14 18:30*	*1*
PCB-114L	*44*		*10 - 145*	*12/30/13 13:50*	*02/10/14 18:30*	*1*
PCB-202L	*39*		*10 - 145*	*12/30/13 13:50*	*02/10/14 18:30*	*1*
PCB-3L	*30*		*5 - 145*	*12/30/13 13:50*	*02/10/14 18:30*	*1*
PCB-118L	*45*		*10 - 145*	*12/30/13 13:50*	*02/10/14 18:30*	*1*
PCB-126L	*53*		*10 - 145*	*12/30/13 13:50*	*02/10/14 18:30*	*1*
PCB-206L	*60*		*10 - 145*	*12/30/13 13:50*	*02/10/14 18:30*	*1*
PCB-169L	*74*		*10 - 145*	*12/30/13 13:50*	*02/10/14 18:30*	*1*
PCB-37L	*40*		*5 - 145*	*12/30/13 13:50*	*02/10/14 18:30*	*1*
PCB-19L	*26*		*5 - 145*	*12/30/13 13:50*	*02/10/14 18:30*	*1*
PCB-188L	*28*		*10 - 145*	*12/30/13 13:50*	*02/10/14 18:30*	*1*
PCB-54L	*23*		*5 - 145*	*12/30/13 13:50*	*02/10/14 18:30*	*1*
PCB-156L/157L	*65*		*10 - 145*	*12/30/13 13:50*	*02/10/14 18:30*	*1*
PCB-167L	*61*		*10 - 145*	*12/30/13 13:50*	*02/10/14 18:30*	*1*
PCB-209L	*55*		*10 - 145*	*12/30/13 13:50*	*02/10/14 18:30*	*1*
PCB-189L	*58*		*10 - 145*	*12/30/13 13:50*	*02/10/14 18:30*	*1*
PCB-105L	*46*		*10 - 145*	*12/30/13 13:50*	*02/10/14 18:30*	*1*
PCB-208L	*55*		*10 - 145*	*12/30/13 13:50*	*02/10/14 18:30*	*1*
PCB-1L	*25*		*5 - 145*	*12/30/13 13:50*	*02/10/14 18:30*	*1*
PCB-104L	*26*		*10 - 145*	*12/30/13 13:50*	*02/10/14 18:30*	*1*
PCB-81L	*47*		*10 - 145*	*12/30/13 13:50*	*02/10/14 18:30*	*1*
PCB-77L	*48*		*10 - 145*	*12/30/13 13:50*	*02/10/14 18:30*	*1*
PCB-205L	*60*		*10 - 145*	*12/30/13 13:50*	*02/10/14 18:30*	*1*
PCB-155L	*31*		*10 - 145*	*12/30/13 13:50*	*02/10/14 18:30*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*45*		*5 - 145*	*12/30/13 13:50*	*02/10/14 18:30*	*1*
PCB-111L	*53*		*10 - 145*	*12/30/13 13:50*	*02/10/14 18:30*	*1*
PCB-178L	*61*		*10 - 145*	*12/30/13 13:50*	*02/10/14 18:30*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11000		100	70	mg/Kg	☼	12/05/13 10:06	01/08/14 14:56	5
Antimony	3.2	U	5.0	3.2	mg/Kg	☼	12/05/13 10:06	01/08/14 14:56	5
Barium	180		25	1.3	mg/Kg	☼	12/05/13 10:06	01/08/14 14:56	5
Beryllium	0.85	U	2.5	0.85	mg/Kg	☼	12/05/13 10:06	01/08/14 14:56	5
Cadmium	0.50	U	2.5	0.50	mg/Kg	☼	12/05/13 10:06	01/08/14 14:56	5
Calcium	30000		1300	67	mg/Kg	☼	12/05/13 10:06	01/08/14 14:56	5
Chromium	14		5.0	1.5	mg/Kg	☼	12/05/13 10:06	01/08/14 14:56	5
Cobalt	8.6	J	25	4.7	mg/Kg	☼	12/05/13 10:06	01/08/14 14:56	5
Copper	19		13	3.6	mg/Kg	☼	12/05/13 10:06	01/08/14 14:56	5
Iron	17000		50	15	mg/Kg	☼	12/05/13 10:06	01/08/14 14:56	5
Lead	10		5.0	0.86	mg/Kg	☼	12/05/13 10:06	01/08/14 14:56	5
Magnesium	11000		500	42	mg/Kg	☼	12/05/13 10:06	01/08/14 14:56	5
Manganese	470		5.0	0.77	mg/Kg	☼	12/05/13 10:06	01/08/14 14:56	5

Client Sample ID: P-B-5_SS

Lab Sample ID: 680-96723-4
Date Collected: 12/02/13 12:55
Matrix: Solid
Date Received: 12/04/13 09:20
Percent Solids: 93.0

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	18	J	20	1.1	mg/Kg	☼	12/05/13 10:06	01/08/14 14:56	5
Potassium	2200	J	2500	1700	mg/Kg	☼	12/05/13 10:06	01/08/14 14:56	5
Selenium	1.4	U	7.5	1.4	mg/Kg	☼	12/05/13 10:06	01/08/14 14:56	5
Silver	1.2	U	5.0	1.2	mg/Kg	☼	12/05/13 10:06	01/08/14 14:56	5
Sodium	1100		500	240	mg/Kg	☼	12/05/13 10:06	01/08/14 14:56	5
Titanium	980		10	3.2	mg/Kg	☼	12/05/13 10:06	01/08/14 14:56	5
Vanadium	44		25	6.3	mg/Kg	☼	12/05/13 10:06	01/08/14 14:56	5
Zinc	44		25	9.9	mg/Kg	☼	12/05/13 10:06	01/08/14 14:56	5

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.2	J	5.0	1.3	mg/Kg	☼	12/05/13 09:53	12/25/13 05:59	10
Niobium	1.9	U	13	1.9	mg/Kg	☼	12/05/13 09:53	12/25/13 05:59	10
Thallium	0.76	U	2.5	0.76	mg/Kg	☼	12/05/13 09:53	12/25/13 05:59	10
Uranium	1.1		0.50	0.10	mg/Kg	☼	12/05/13 09:53	12/25/13 05:59	10

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.014	J	0.033	0.011	mg/Kg	☼	12/09/13 07:33	12/11/13 12:18	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.63	H	0.21	0.043	mg/Kg	☼		01/08/14 06:40	1
Chloride	22	H	2.1	0.21	mg/Kg	☼		01/08/14 06:40	1

General Chemistry - Soluble - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	360	H	110	11	mg/Kg	☼		01/08/14 06:57	20

Client Sample ID: P-B-5_SUB

Lab Sample ID: 680-96723-5
Date Collected: 12/02/13 13:30
Matrix: Solid
Date Received: 12/04/13 09:20
Percent Solids: 94.1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9700		97	68	mg/Kg	☼	12/05/13 10:06	01/08/14 15:07	5
Antimony	3.1	U	4.9	3.1	mg/Kg	☼	12/05/13 10:06	01/08/14 15:07	5
Barium	150		24	1.2	mg/Kg	☼	12/05/13 10:06	01/08/14 15:07	5
Beryllium	0.82	U	2.4	0.82	mg/Kg	☼	12/05/13 10:06	01/08/14 15:07	5
Cadmium	0.49	U	2.4	0.49	mg/Kg	☼	12/05/13 10:06	01/08/14 15:07	5
Calcium	26000		1200	65	mg/Kg	☼	12/05/13 10:06	01/08/14 15:07	5
Chromium	11		4.9	1.5	mg/Kg	☼	12/05/13 10:06	01/08/14 15:07	5
Cobalt	8.3	J	24	4.6	mg/Kg	☼	12/05/13 10:06	01/08/14 15:07	5
Copper	16		12	3.5	mg/Kg	☼	12/05/13 10:06	01/08/14 15:07	5
Iron	16000		49	14	mg/Kg	☼	12/05/13 10:06	01/08/14 15:07	5
Lead	16		4.9	0.84	mg/Kg	☼	12/05/13 10:06	01/08/14 15:07	5
Magnesium	9200		490	41	mg/Kg	☼	12/05/13 10:06	01/08/14 15:07	5
Manganese	420		4.9	0.75	mg/Kg	☼	12/05/13 10:06	01/08/14 15:07	5
Nickel	17	J	19	1.1	mg/Kg	☼	12/05/13 10:06	01/08/14 15:07	5
Potassium	2400		2400	1600	mg/Kg	☼	12/05/13 10:06	01/09/14 12:37	5
Selenium	1.4	U	7.3	1.4	mg/Kg	☼	12/05/13 10:06	01/08/14 15:07	5

Client Sample ID: P-B-5_SUB

Lab Sample ID: 680-96723-5
Date Collected: 12/02/13 13:30
Matrix: Solid
Date Received: 12/04/13 09:20
Percent Solids: 94.1

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	1.1	U	4.9	1.1	mg/Kg	☼	12/05/13 10:06	01/08/14 15:07	5
Sodium	**1100**		490	230	mg/Kg	☼	12/05/13 10:06	01/09/14 12:37	5
Titanium	**840**		9.7	3.1	mg/Kg	☼	12/05/13 10:06	01/08/14 15:07	5
Vanadium	**39**		24	6.1	mg/Kg	☼	12/05/13 10:06	01/08/14 15:07	5
Zinc	**41**		24	9.7	mg/Kg	☼	12/05/13 10:06	01/08/14 15:07	5

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.1**	J	4.9	1.3	mg/Kg	☼	12/05/13 09:53	12/25/13 06:19	10
Niobium	1.9	U	12	1.9	mg/Kg	☼	12/05/13 09:53	12/25/13 06:19	10
Thallium	0.74	U	2.4	0.74	mg/Kg	☼	12/05/13 09:53	12/25/13 06:19	10
Uranium	**0.79**		0.49	0.097	mg/Kg	☼	12/05/13 09:53	12/25/13 06:19	10

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.011	U	0.032	0.011	mg/Kg	☼	12/09/13 07:33	12/11/13 12:20	1

General Chemistry - Soluble - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**11**	H	4.2	0.85	mg/Kg	☼		01/08/14 07:13	20
Chloride	**350**	H	42	4.2	mg/Kg	☼		01/08/14 07:13	20
Sulfate	**550**	H	110	11	mg/Kg	☼		01/08/14 07:13	20

Client Sample ID: DD-B-4_SS

Lab Sample ID: 680-96723-6
Date Collected: 12/02/13 14:30
Matrix: Solid
Date Received: 12/04/13 09:20
Percent Solids: 89.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	37	U	370	37	ug/Kg	☼	12/16/13 13:12	12/26/13 21:09	1
Acenaphthylene	37	U	370	37	ug/Kg	☼	12/16/13 13:12	12/26/13 21:09	1
Anthracene	37	U	370	37	ug/Kg	☼	12/16/13 13:12	12/26/13 21:09	1
Benzo[a]anthracene	**75**	J	370	37	ug/Kg	☼	12/16/13 13:12	12/26/13 21:09	1
Benzo[b]fluoranthene	**150**	J	370	37	ug/Kg	☼	12/16/13 13:12	12/26/13 21:09	1
Benzo[k]fluoranthene	**55**	J	370	37	ug/Kg	☼	12/16/13 13:12	12/26/13 21:09	1
Benzo[g,h,i]perylene	**98**	J	370	37	ug/Kg	☼	12/16/13 13:12	12/26/13 21:09	1
Benzo[a]pyrene	**89**	J	370	37	ug/Kg	☼	12/16/13 13:12	12/26/13 21:09	1
Chrysene	**98**	J	370	37	ug/Kg	☼	12/16/13 13:12	12/26/13 21:09	1
Dibenz(a,h)anthracene	37	U	370	37	ug/Kg	☼	12/16/13 13:12	12/26/13 21:09	1
Fluoranthene	**88**	J	370	37	ug/Kg	☼	12/16/13 13:12	12/26/13 21:09	1
Fluorene	37	U	370	37	ug/Kg	☼	12/16/13 13:12	12/26/13 21:09	1
Indeno[1,2,3-cd]pyrene	**92**	J	370	37	ug/Kg	☼	12/16/13 13:12	12/26/13 21:09	1
Naphthalene	37	U	370	37	ug/Kg	☼	12/16/13 13:12	12/26/13 21:09	1
Phenanthrene	37	U	370	37	ug/Kg	☼	12/16/13 13:12	12/26/13 21:09	1
Pyrene	**92**	J	370	37	ug/Kg	☼	12/16/13 13:12	12/26/13 21:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*74*		*53 - 97*	*12/16/13 13:12*	*12/26/13 21:09*	*1*
2,4,6-Tribromophenol (Surr)	*96*		*46 - 111*	*12/16/13 13:12*	*12/26/13 21:09*	*1*
Nitrobenzene-d5 (Surr)	*73*		*55 - 98*	*12/16/13 13:12*	*12/26/13 21:09*	*1*
Phenol-d5 (Surr)	*78*		*54 - 101*	*12/16/13 13:12*	*12/26/13 21:09*	*1*

Client Sample ID: DD-B-4_SS

Date Collected: 12/02/13 14:30
Date Received: 12/04/13 09:20

Lab Sample ID: 680-96723-6
Matrix: Solid
Percent Solids: 89.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	85		58 - 123	12/16/13 13:12	12/26/13 21:09	1
2-Fluorobiphenyl (Surr)	82		56 - 97	12/16/13 13:12	12/26/13 21:09	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	300	J B	440	5.1	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-2	180	J B	440	5.2	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-3	140	J B	440	5.4	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-4	510	q	440	94	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-5	130	U	440	130	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-6	470	q	440	130	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-7	120	U	440	120	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-8	860	q	440	130	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-9	140	U	440	140	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-10	56	U	440	56	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-11	4400	q	440	140	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-12/13	480	J	890	140	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-14	120	U	440	120	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-15	640	q	440	140	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-16	320	J	440	23	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-17	210	J	440	16	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-18/30	380	J	890	14	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-19	57	J	440	22	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-20/28	1400	B	890	36	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-21/33	720	J B	890	33	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-22	560		440	38	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-23	32	U	440	32	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-24	12	U	440	12	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-25	70	J q	440	34	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-26/29	190	J q	890	34	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-27	42	J	440	12	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-31	1000	B	440	33	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-32	140	J	440	9.4	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-34	34	U	440	34	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-35	800		440	39	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-36	34	U	440	34	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-37	860		440	40	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-38	37	U	440	37	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-39	35	U	440	35	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-40/71	800	J	890	34	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-41	120	J	440	45	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-42	450		440	38	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-43	39	U	440	39	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-44/47/65	3300	B	1300	33	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-45	170	J	440	38	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-46	70	J	440	41	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-48	240	J	440	35	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-49/69	2700	B	890	29	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-50/53	220	J	890	32	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10

Client Sample ID: DD-B-4_SS

Lab Sample ID: 680-96723-6

Date Collected: 12/02/13 14:30
Date Received: 12/04/13 09:20

Matrix: Solid
Percent Solids: 89.3

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-51	40	J	440	32	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-52	21000	B	440	36	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-54	8.0	U	440	8.0	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-55	110	U	440	110	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-56	2200		440	120	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-57	110	U	440	110	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-58	110	U	440	110	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-59/62/75	160	J	1300	25	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-60	800		440	120	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-61/70/74/76	10000	B	1800	110	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-63	100	U	440	100	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-64	3000	B	440	24	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-66	6000		440	120	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-67	100	U	440	100	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-68	98	U	440	98	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-72	110	U	440	110	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-73	27	U	440	27	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-77	1700	G	130	130	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-78	120	U	440	120	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-79	1300		440	110	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-80	100	U	440	100	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-81	140	U G	140	140	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-82	5700	G	1400	1400	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-83	1900	G	1500	1500	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-84	9300	G	1300	1300	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-85/116/117	13000		1300	930	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-86/87/97/108/119/125	43000	B	2700	960	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-88/91	7600	G	1100	1100	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-89	1200	U G	1200	1200	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-90/101/113	86000	B	1300	970	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-92	15000	G	1100	1100	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-93/100	1100	U G	1100	1100	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-107/124	2100		890	880	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-94	1100	U G	1100	1100	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-95	53000	G B	1100	1100	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-96	110	J	440	5.7	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-98/102	1000	U G	1000	1000	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-99	39000	G	1100	1100	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-103	990	U G	990	990	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-104	6.2	U	440	6.2	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-105	30000	G	960	960	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-106	960	U G	960	960	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-110/115	110000	B	890	850	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-109	5100	G	820	820	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-111	780	U G	780	780	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-112	750	U G	750	750	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-114	990	U G	990	990	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-115	110000	B	890	850	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-118	77000	G E B	900	900	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10

Client Sample ID: DD-B-4_SS

Date Collected: 12/02/13 14:30
Date Received: 12/04/13 09:20

Lab Sample ID: 680-96723-6
Matrix: Solid
Percent Solids: 89.3

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-120	830	U G	830	830	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-121	780	U G	780	780	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-122	980	U G	980	980	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-123	890	U G	890	890	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-126	1100	U G	1100	1100	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-127	960	U G	960	960	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-128/166	**19000**	**G**	1100	1100	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-129/138/163	**140000**	**B**	1300	1200	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-130	**7000**	**G**	1500	1500	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-131	1400	U G	1400	1400	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-132	**36000**	**G**	1400	1400	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-133	1400	U G	1400	1400	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-134/143	**4400**	**G**	1400	1400	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-135/151	**30000**	**G**	1200	1200	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-136	**11000**	**G**	880	880	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-137	**5000**	**G**	1200	1200	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-139/140	1200	U G	1200	1200	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-141	**20000**	**G**	1300	1300	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-142	1300	U G	1300	1300	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-144	**4700**	**G**	1200	1200	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-145	860	U G	860	860	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-146	**16000**	**G**	1300	1300	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-147/149	**83000**	**G B**	1200	1200	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-148	1200	U G	1200	1200	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-150	800	U G	800	800	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-152	820	U G	820	820	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-153/168	**100000**	**G B**	1000	1000	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-154	1100	U G	1100	1100	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-155	890	U G	890	890	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-156/157	**16000**	**G**	180	180	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-158	**13000**	**G**	910	910	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-159	150	U	440	150	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-160	1100	U G	1100	1100	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-161	920	U G	920	920	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-162	**430**	**J**	440	140	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-164	**8400**	**G**	1000	1000	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-165	1100	U G	1100	1100	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-167	**5400**	**G**	140	140	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-169	160	U G	160	160	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-170	**36000**		440	58	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-171/173	**10000**		890	53	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-172	**5100**		440	55	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-174	**31000**		440	54	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-175	**1100**		440	22	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-176	**2800**		440	15	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-177	**18000**		440	55	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-178	**4600**		440	23	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-179	**9300**		440	16	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-180/193	**68000**	**B**	890	44	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10

Client Sample ID: DD-B-4_SS

Lab Sample ID: 680-96723-6

Date Collected: 12/02/13 14:30
Date Received: 12/04/13 09:20

Matrix: Solid
Percent Solids: 89.3

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-181	45	U	440	45	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-182	21	U	440	21	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-183	16000		440	41	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-184	110	J	440	17	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-185	1300		440	49	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-186	16	U	440	16	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-187	31000		440	22	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-188	69	J	440	17	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-189	1400		44	21	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-190	7100		440	41	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-191	1400		440	40	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-192	41	U	440	41	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-194	12000		440	32	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-195	4100		440	30	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-196	5700		440	20	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-197	730		440	13	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-198/199	11000		890	21	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-200	1200		440	13	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-201	1300		440	13	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-202	1600		440	17	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-203	7100		440	18	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-204	110	J	440	14	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-205	700		440	21	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-206	4500		440	22	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-207	3300		440	16	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-208	2700		440	20	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
PCB-209	250000	E B	440	20	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
Total Monochlorobiphenyls	630	J B	4400	5.2	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
Total Dichlorobiphenyls	7300	q	4400	120	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
Total Trichlorobiphenyls	6700	q B	4400	28	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
Total Tetrachlorobiphenyls	55000	B	4400	73	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
Total Pentachlorobiphenyls	500000	B	4400	940	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
Total Hexachlorobiphenyls	520000	B	4400	980	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
Total Heptachlorobiphenyls	240000	B	4400	35	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
Total Octachlorobiphenyls	45000		4400	19	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
Total Nonachlorobiphenyls	10000		4400	19	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10
Polychlorinated biphenyls, Total	1600000	q B	4400	220	pg/g	☼	12/19/13 17:37	02/08/14 00:38	10

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-4L	*52*		*5 - 145*	*12/19/13 17:37*	*02/08/14 00:38*	*10*
PCB-15L	*74*		*5 - 145*	*12/19/13 17:37*	*02/08/14 00:38*	*10*
PCB-123L	*91*		*10 - 145*	*12/19/13 17:37*	*02/08/14 00:38*	*10*
PCB-114L	*88*		*10 - 145*	*12/19/13 17:37*	*02/08/14 00:38*	*10*
PCB-202L	*78*		*10 - 145*	*12/19/13 17:37*	*02/08/14 00:38*	*10*
PCB-3L	*59*		*5 - 145*	*12/19/13 17:37*	*02/08/14 00:38*	*10*
PCB-118L	*91*		*10 - 145*	*12/19/13 17:37*	*02/08/14 00:38*	*10*
PCB-126L	*102*		*10 - 145*	*12/19/13 17:37*	*02/08/14 00:38*	*10*
PCB-206L	*91*		*10 - 145*	*12/19/13 17:37*	*02/08/14 00:38*	*10*
PCB-169L	*103*		*10 - 145*	*12/19/13 17:37*	*02/08/14 00:38*	*10*
PCB-37L	*91*		*5 - 145*	*12/19/13 17:37*	*02/08/14 00:38*	*10*

Client Sample ID: DD-B-4_SS

Lab Sample ID: 680-96723-6

Date Collected: 12/02/13 14:30
Date Received: 12/04/13 09:20

Matrix: Solid
Percent Solids: 89.3

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-19L	58		5 - 145	12/19/13 17:37	02/08/14 00:38	10
PCB-188L	72		10 - 145	12/19/13 17:37	02/08/14 00:38	10
PCB-54L	59		5 - 145	12/19/13 17:37	02/08/14 00:38	10
PCB-156L/157L	95		10 - 145	12/19/13 17:37	02/08/14 00:38	10
PCB-167L	88		10 - 145	12/19/13 17:37	02/08/14 00:38	10
PCB-209L	97		10 - 145	12/19/13 17:37	02/08/14 00:38	10
PCB-189L	79		10 - 145	12/19/13 17:37	02/08/14 00:38	10
PCB-105L	94		10 - 145	12/19/13 17:37	02/08/14 00:38	10
PCB-208L	92		10 - 145	12/19/13 17:37	02/08/14 00:38	10
PCB-1L	49		5 - 145	12/19/13 17:37	02/08/14 00:38	10
PCB-104L	60		10 - 145	12/19/13 17:37	02/08/14 00:38	10
PCB-81L	89		10 - 145	12/19/13 17:37	02/08/14 00:38	10
PCB-77L	90		10 - 145	12/19/13 17:37	02/08/14 00:38	10
PCB-205L	90		10 - 145	12/19/13 17:37	02/08/14 00:38	10
PCB-155L	69		10 - 145	12/19/13 17:37	02/08/14 00:38	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	99		5 - 145	12/19/13 17:37	02/08/14 00:38	10
PCB-111L	91		10 - 145	12/19/13 17:37	02/08/14 00:38	10
PCB-178L	99		10 - 145	12/19/13 17:37	02/08/14 00:38	10

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	5.1		2.2	0.067	pg/g	☼	12/19/13 15:47	01/08/14 04:11	1
1,2,3,7,8-PeCDD	12		11	0.22	pg/g	☼	12/19/13 15:47	01/08/14 04:11	1
1,2,3,7,8-PeCDF	180		11	0.51	pg/g	☼	12/19/13 15:47	01/08/14 04:11	1
2,3,4,7,8-PeCDF	100	B	11	0.53	pg/g	☼	12/19/13 15:47	01/08/14 04:11	1
1,2,3,4,7,8-HxCDD	10	J B	11	0.15	pg/g	☼	12/19/13 15:47	01/08/14 04:11	1
1,2,3,6,7,8-HxCDD	19	B	11	0.10	pg/g	☼	12/19/13 15:47	01/08/14 04:11	1
1,2,3,7,8,9-HxCDD	20	B	11	0.11	pg/g	☼	12/19/13 15:47	01/08/14 04:11	1
1,2,3,4,7,8-HxCDF	560	B	11	0.50	pg/g	☼	12/19/13 15:47	01/08/14 04:11	1
1,2,3,6,7,8-HxCDF	180	B	11	0.37	pg/g	☼	12/19/13 15:47	01/08/14 04:11	1
1,2,3,7,8,9-HxCDF	26	B	11	0.48	pg/g	☼	12/19/13 15:47	01/08/14 04:11	1
2,3,4,6,7,8-HxCDF	78	B	11	0.43	pg/g	☼	12/19/13 15:47	01/08/14 04:11	1
1,2,3,4,6,7,8-HpCDD	110	B	11	0.44	pg/g	☼	12/19/13 15:47	01/08/14 04:11	1
1,2,3,4,6,7,8-HpCDF	1100	B	11	2.3	pg/g	☼	12/19/13 15:47	01/08/14 04:11	1
1,2,3,4,7,8,9-HpCDF	390	B	11	2.7	pg/g	☼	12/19/13 15:47	01/08/14 04:11	1
OCDD	660	B	22	0.38	pg/g	☼	12/19/13 15:47	01/08/14 04:11	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-1,2,3,6,7,8-HxCDD	90		40 - 135	12/19/13 15:47	01/08/14 04:11	1
13C-2,3,7,8-TCDD	94		40 - 135	12/19/13 15:47	01/08/14 04:11	1
13C-1,2,3,7,8-PeCDD	96		40 - 135	12/19/13 15:47	01/08/14 04:11	1
13C-1,2,3,4,6,7,8-HpCDF	98		40 - 135	12/19/13 15:47	01/08/14 04:11	1
13C-1,2,3,7,8-PeCDF	92		40 - 135	12/19/13 15:47	01/08/14 04:11	1
13C-2,3,7,8-TCDF	87		40 - 135	12/19/13 15:47	01/08/14 04:11	1
13C-1,2,3,4,6,7,8-HpCDD	104		40 - 135	12/19/13 15:47	01/08/14 04:11	1
13C-OCDD	111		40 - 135	12/19/13 15:47	01/08/14 04:11	1
13C-1,2,3,4,7,8-HxCDF	85		40 - 135	12/19/13 15:47	01/08/14 04:11	1

Client Sample Results

Client: GEI Consultants, Inc.
Project/Site: TIMET

TestAmerica Job ID: 680-96723-1

Client Sample ID: DD-B-4_SS

Date Collected: 12/02/13 14:30
Date Received: 12/04/13 09:20

Lab Sample ID: 680-96723-6
Matrix: Solid
Percent Solids: 89.3

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - DL

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
OCDF	37000	B	670	36	pg/g	☼	12/19/13 15:47	01/25/14 07:03	30

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-OCDD	*74*		*40 - 135*	*12/19/13 15:47*	*01/25/14 07:03*	*30*

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	210	B	2.2	2.1	pg/g	☼	12/19/13 15:47	01/14/14 04:56	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDF	*100*		*40 - 135*	*12/19/13 15:47*	*01/14/14 04:56*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000		110	76	mg/Kg	☼	12/05/13 10:06	01/08/14 15:11	5
Antimony	3.5	U	5.4	3.5	mg/Kg	☼	12/05/13 10:06	01/08/14 15:11	5
Barium	290		27	1.4	mg/Kg	☼	12/05/13 10:06	01/08/14 15:11	5
Beryllium	0.92	U	2.7	0.92	mg/Kg	☼	12/05/13 10:06	01/08/14 15:11	5
Cadmium	0.54	U	2.7	0.54	mg/Kg	☼	12/05/13 10:06	01/08/14 15:11	5
Calcium	28000		1400	72	mg/Kg	☼	12/05/13 10:06	01/08/14 15:11	5
Chromium	170		5.4	1.7	mg/Kg	☼	12/05/13 10:06	01/08/14 15:11	5
Cobalt	14	J	27	5.1	mg/Kg	☼	12/05/13 10:06	01/08/14 15:11	5
Copper	89		14	4.0	mg/Kg	☼	12/05/13 10:06	01/08/14 15:11	5
Iron	16000		54	16	mg/Kg	☼	12/05/13 10:06	01/08/14 15:11	5
Lead	42		5.4	0.94	mg/Kg	☼	12/05/13 10:06	01/08/14 15:11	5
Magnesium	14000		540	45	mg/Kg	☼	12/05/13 10:06	01/08/14 15:11	5
Manganese	2000		5.4	0.84	mg/Kg	☼	12/05/13 10:06	01/08/14 15:11	5
Nickel	30		22	1.2	mg/Kg	☼	12/05/13 10:06	01/08/14 15:11	5
Potassium	2200	J	2700	1800	mg/Kg	☼	12/05/13 10:06	01/09/14 12:40	5
Selenium	1.6	U	8.2	1.6	mg/Kg	☼	12/05/13 10:06	01/08/14 15:11	5
Silver	5.2	J	5.4	1.3	mg/Kg	☼	12/05/13 10:06	01/08/14 15:11	5
Sodium	890		540	260	mg/Kg	☼	12/05/13 10:06	01/09/14 12:40	5
Titanium	3000		11	3.4	mg/Kg	☼	12/05/13 10:06	01/08/14 15:11	5
Vanadium	320		27	6.9	mg/Kg	☼	12/05/13 10:06	01/08/14 15:11	5
Zinc	85		27	11	mg/Kg	☼	12/05/13 10:06	01/08/14 15:11	5

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.8	J	5.4	1.4	mg/Kg	☼	12/05/13 09:53	12/25/13 06:26	10
Niobium	160		27	4.1	mg/Kg	☼	12/05/13 09:53	12/26/13 18:07	20
Thallium	0.83	U	2.7	0.83	mg/Kg	☼	12/05/13 09:53	12/25/13 06:26	10
Uranium	21		0.54	0.11	mg/Kg	☼	12/05/13 09:53	12/25/13 06:26	10

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.22		0.033	0.011	mg/Kg	☼	12/09/13 07:33	12/11/13 12:22	1

General Chemistry - Soluble - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	23	H	4.5	0.89	mg/Kg	☼		01/08/14 07:29	20
Chloride	910	H	45	4.5	mg/Kg	☼		01/08/14 07:29	20
Sulfate	640	H	110	11	mg/Kg	☼		01/08/14 07:29	20

Client Sample Results

Client: GEI Consultants, Inc.
Project/Site: TIMET

TestAmerica Job ID: 680-96723-1

Client Sample ID: DD-B-4_SS

Lab Sample ID: 680-96723-6

Date Collected: 12/02/13 14:30
Date Received: 12/04/13 09:20

Matrix: Solid

Method: 900.0 - Gross Alpha and Gross Beta Radioactivity

Analyte	Result	Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Gross Alpha	126		10.0	5.59	pCi/g		12/09/13 08:58	12/10/13 06:33	1
Gross Beta	48.8		10.0	3.63	pCi/g		12/09/13 08:58	12/10/13 06:33	1

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Actinium 228	2.10			0.240	pCi/g		12/12/13 15:18	01/03/14 09:26	1
Bismuth-212	4.12			0.970	pCi/g		12/12/13 15:18	01/03/14 09:26	1
Bismuth-214	4.57			0.177	pCi/g		12/12/13 15:18	01/03/14 09:26	1
Bismuth-210M	0.0433	U		0.164	pCi/g		12/12/13 15:18	01/03/14 09:26	1
Cesium-134	0.0172	U		0.0737	pCi/g		12/12/13 15:18	01/03/14 09:26	1
Cesium-137	0.0337	U		0.121	pCi/g		12/12/13 15:18	01/03/14 09:26	1
Cobalt-57	0.00948	U		0.0920	pCi/g		12/12/13 15:18	01/03/14 09:26	1
Cobalt-60	0.000	U		0.206	pCi/g		12/12/13 15:18	01/03/14 09:26	1
Lead-212	2.14			0.192	pCi/g		12/12/13 15:18	01/03/14 09:26	1
Lead-214	4.75			0.242	pCi/g		12/12/13 15:18	01/03/14 09:26	1
Potassium-40	20.0			0.728	pCi/g		12/12/13 15:18	01/03/14 09:26	1
Protactinium-231	0.891	U		3.88	pCi/g		12/12/13 15:18	01/03/14 09:26	1
Protactinium-234	0.0946	U		0.480	pCi/g		12/12/13 15:18	01/03/14 09:26	1
Radium-224	1.16	U		3.11	pCi/g		12/12/13 15:18	01/03/14 09:26	1
Thallium-208	0.834			0.0972	pCi/g		12/12/13 15:18	01/03/14 09:26	1
Thorium-227	-0.384	U		0.917	pCi/g		12/12/13 15:18	01/03/14 09:26	1
Thorium-234	6.47			3.07	pCi/g		12/12/13 15:18	01/03/14 09:26	1

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Radium-226	5.23		1.00	0.0990	pCi/g		12/09/13 08:58	01/01/14 15:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*101*		*40 - 110*	*12/09/13 08:58*	*01/01/14 15:58*	*1*

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Radium-228	1.33		1.00	0.415	pCi/g		12/09/13 09:05	12/30/13 10:59	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*101*		*40 - 110*	*12/09/13 09:05*	*12/30/13 10:59*	*1*
Y Carrier	*87.5*		*40 - 110*	*12/09/13 09:05*	*12/30/13 10:59*	*1*

Method: A-01-R - Isotopic Thorium (Alpha Spectrometry)

Analyte	Result	Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Thorium-228	1.90		1.00	0.0798	pCi/g		01/22/14 08:12	01/24/14 19:12	1
Thorium-230	5.58		1.00	0.0583	pCi/g		01/22/14 08:12	01/24/14 19:12	1
Thorium-232	1.49		1.00	0.0702	pCi/g		01/22/14 08:12	01/24/14 19:12	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Thorium-229	*83.2*		*30 - 110*	*01/22/14 08:12*	*01/24/14 19:12*	*1*

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Uranium-233/234	6.78		1.00	0.0492	pCi/g		01/06/14 12:37	01/16/14 23:40	1
Uranium-235/236	0.401		1.00	0.0612	pCi/g		01/06/14 12:37	01/16/14 23:40	1

Client Sample ID: DD-B-4_SS

Lab Sample ID: 680-96723-6
Date Collected: 12/02/13 14:30
Matrix: Solid
Date Received: 12/04/13 09:20

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry) (Continued)

Analyte	Result	Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Uranium-238	6.79		1.00	0.0491	pCi/g		01/06/14 12:37	01/16/14 23:40	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*88.2*		*30 - 110*	*01/06/14 12:37*	*01/16/14 23:40*	*1*

Client Sample ID: DD-B-4_SUB

Lab Sample ID: 680-96723-7
Date Collected: 12/02/13 15:11
Matrix: Solid
Date Received: 12/04/13 09:20
Percent Solids: 93.6

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000		100	71	mg/Kg	☼	12/05/13 10:06	01/08/14 15:15	5
Antimony	3.2	U	5.0	3.2	mg/Kg	☼	12/05/13 10:06	01/08/14 15:15	5
Barium	170		25	1.3	mg/Kg	☼	12/05/13 10:06	01/08/14 15:15	5
Beryllium	0.85	U	2.5	0.85	mg/Kg	☼	12/05/13 10:06	01/08/14 15:15	5
Cadmium	0.50	U	2.5	0.50	mg/Kg	☼	12/05/13 10:06	01/08/14 15:15	5
Calcium	20000		1300	67	mg/Kg	☼	12/05/13 10:06	01/08/14 15:15	5
Chromium	17		5.0	1.6	mg/Kg	☼	12/05/13 10:06	01/08/14 15:15	5
Cobalt	8.9	J	25	4.7	mg/Kg	☼	12/05/13 10:06	01/08/14 15:15	5
Copper	18		13	3.7	mg/Kg	☼	12/05/13 10:06	01/08/14 15:15	5
Iron	18000		50	15	mg/Kg	☼	12/05/13 10:06	01/08/14 15:15	5
Lead	10		5.0	0.87	mg/Kg	☼	12/05/13 10:06	01/08/14 15:15	5
Magnesium	10000		500	42	mg/Kg	☼	12/05/13 10:06	01/08/14 15:15	5
Manganese	360		5.0	0.78	mg/Kg	☼	12/05/13 10:06	01/08/14 15:15	5
Nickel	18	J	20	1.1	mg/Kg	☼	12/05/13 10:06	01/08/14 15:15	5
Potassium	2100	J	2500	1700	mg/Kg	☼	12/05/13 10:06	01/09/14 12:44	5
Selenium	1.5	U	7.6	1.5	mg/Kg	☼	12/05/13 10:06	01/08/14 15:15	5
Silver	1.2	U	5.0	1.2	mg/Kg	☼	12/05/13 10:06	01/08/14 15:15	5
Sodium	850		500	240	mg/Kg	☼	12/05/13 10:06	01/09/14 12:44	5
Titanium	1100		10	3.2	mg/Kg	☼	12/05/13 10:06	01/08/14 15:15	5
Vanadium	56		25	6.4	mg/Kg	☼	12/05/13 10:06	01/08/14 15:15	5
Zinc	45		25	10	mg/Kg	☼	12/05/13 10:06	01/08/14 15:15	5

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.5	J	5.0	1.3	mg/Kg	☼	12/05/13 09:53	12/25/13 06:32	10
Niobium	12	J	13	1.9	mg/Kg	☼	12/05/13 09:53	12/25/13 06:32	10
Thallium	0.77	U	2.5	0.77	mg/Kg	☼	12/05/13 09:53	12/25/13 06:32	10
Uranium	1.3		0.50	0.10	mg/Kg	☼	12/05/13 09:53	12/25/13 06:32	10

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	J	0.034	0.011	mg/Kg	☼	12/09/13 07:33	12/11/13 12:23	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	1.6	H	0.21	0.043	mg/Kg	☼		01/08/14 07:46	1
Sulfate	190	H	5.4	0.54	mg/Kg	☼		01/08/14 07:46	1

Client Sample Results

Client: GEI Consultants, Inc.
Project/Site: TIMET

TestAmerica Job ID: 680-96723-1

Client Sample ID: DD-B-4_SUB

Lab Sample ID: 680-96723-7

Date Collected: 12/02/13 15:11
Date Received: 12/04/13 09:20

Matrix: Solid
Percent Solids: 93.6

General Chemistry - Soluble - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	320	H	43	4.3	mg/Kg	☼		01/08/14 08:02	20

Method: 900.0 - Gross Alpha and Gross Beta Radioactivity

Analyte	Result	Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Gross Alpha	31.8		10.0	7.34	pCi/g		12/09/13 08:58	12/10/13 06:33	1
Gross Beta	30.0		10.0	3.15	pCi/g		12/09/13 08:58	12/10/13 06:33	1

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Actinium 228	1.68			0.242	pCi/g		12/12/13 15:18	01/03/14 09:23	1
Bismuth-212	2.98			0.797	pCi/g		12/12/13 15:18	01/03/14 09:23	1
Bismuth-214	1.11			0.127	pCi/g		12/12/13 15:18	01/03/14 09:23	1
Bismuth-210M	0.00754	U		0.127	pCi/g		12/12/13 15:18	01/03/14 09:23	1
Cesium-134	0.0512	U		0.0768	pCi/g		12/12/13 15:18	01/03/14 09:23	1
Cesium-137	0.000363	U		0.0876	pCi/g		12/12/13 15:18	01/03/14 09:23	1
Cobalt-57	-0.00979	U		0.0629	pCi/g		12/12/13 15:18	01/03/14 09:23	1
Cobalt-60	0.0216	U		0.0866	pCi/g		12/12/13 15:18	01/03/14 09:23	1
Lead-212	1.60			0.176	pCi/g		12/12/13 15:18	01/03/14 09:23	1
Lead-214	1.13			0.200	pCi/g		12/12/13 15:18	01/03/14 09:23	1
Potassium-40	24.8			0.877	pCi/g		12/12/13 15:18	01/03/14 09:23	1
Protactinium-231	0.931	U		2.73	pCi/g		12/12/13 15:18	01/03/14 09:23	1
Protactinium-234	0.0750	U		0.255	pCi/g		12/12/13 15:18	01/03/14 09:23	1
Radium-224	1.61	U		1.74	pCi/g		12/12/13 15:18	01/03/14 09:23	1
Thallium-208	0.583			0.0828	pCi/g		12/12/13 15:18	01/03/14 09:23	1
Thorium-227	-0.0412	U		1.71	pCi/g		12/12/13 15:18	01/03/14 09:23	1
Thorium-234	0.942	U		2.22	pCi/g		12/12/13 15:18	01/03/14 09:23	1

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Radium-226	1.13		1.00	0.0913	pCi/g		12/09/13 08:58	01/01/14 15:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*102*		*40 - 110*	*12/09/13 08:58*	*01/01/14 15:58*	*1*

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Radium-228	1.54		1.00	0.342	pCi/g		12/09/13 09:05	12/30/13 11:00	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*102*		*40 - 110*	*12/09/13 09:05*	*12/30/13 11:00*	*1*
Y Carrier	*86.0*		*40 - 110*	*12/09/13 09:05*	*12/30/13 11:00*	*1*

Method: A-01-R - Isotopic Thorium (Alpha Spectrometry)

Analyte	Result	Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Thorium-228	1.31		1.00	0.0811	pCi/g		01/22/14 08:12	01/24/14 19:13	1
Thorium-230	0.834		1.00	0.0738	pCi/g		01/22/14 08:12	01/24/14 19:13	1
Thorium-232	1.35		1.00	0.0615	pCi/g		01/22/14 08:12	01/24/14 19:13	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Thorium-229	*79.4*		*30 - 110*	*01/22/14 08:12*	*01/24/14 19:13*	*1*

Client Sample ID: DD-B-4_SUB

Lab Sample ID: 680-96723-7
Date Collected: 12/02/13 15:11
Matrix: Solid
Date Received: 12/04/13 09:20

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Uranium-233/234	1.08		1.00	0.0777	pCi/g		01/06/14 12:37	01/17/14 19:28	1
Uranium-235/236	0.0684		1.00	0.0647	pCi/g		01/06/14 12:37	01/17/14 19:28	1
Uranium-238	1.17		1.00	0.0519	pCi/g		01/06/14 12:37	01/17/14 19:28	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*84.0*		*30 - 110*	*01/06/14 12:37*	*01/17/14 19:28*	*1*

Client Sample ID: DD-B-9_SS

Lab Sample ID: 680-96723-8
Date Collected: 12/03/13 08:00
Matrix: Solid
Date Received: 12/04/13 09:20
Percent Solids: 93.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	36	U	350	36	ug/Kg	☼	12/16/13 13:12	12/26/13 21:41	1
Acenaphthylene	36	U	350	36	ug/Kg	☼	12/16/13 13:12	12/26/13 21:41	1
Anthracene	36	U	350	36	ug/Kg	☼	12/16/13 13:12	12/26/13 21:41	1
Benzo[a]anthracene	36	U	350	36	ug/Kg	☼	12/16/13 13:12	12/26/13 21:41	1
Benzo[b]fluoranthene	36	U	350	36	ug/Kg	☼	12/16/13 13:12	12/26/13 21:41	1
Benzo[k]fluoranthene	36	U	350	36	ug/Kg	☼	12/16/13 13:12	12/26/13 21:41	1
Benzo[g,h,i]perylene	36	U	350	36	ug/Kg	☼	12/16/13 13:12	12/26/13 21:41	1
Benzo[a]pyrene	36	U	350	36	ug/Kg	☼	12/16/13 13:12	12/26/13 21:41	1
Chrysene	36	U	350	36	ug/Kg	☼	12/16/13 13:12	12/26/13 21:41	1
Dibenz(a,h)anthracene	36	U	350	36	ug/Kg	☼	12/16/13 13:12	12/26/13 21:41	1
Fluoranthene	36	U	350	36	ug/Kg	☼	12/16/13 13:12	12/26/13 21:41	1
Fluorene	36	U	350	36	ug/Kg	☼	12/16/13 13:12	12/26/13 21:41	1
Indeno[1,2,3-cd]pyrene	36	U	350	36	ug/Kg	☼	12/16/13 13:12	12/26/13 21:41	1
Naphthalene	36	U	350	36	ug/Kg	☼	12/16/13 13:12	12/26/13 21:41	1
Phenanthrene	36	U	350	36	ug/Kg	☼	12/16/13 13:12	12/26/13 21:41	1
Pyrene	36	U	350	36	ug/Kg	☼	12/16/13 13:12	12/26/13 21:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*76*		*53 - 97*	*12/16/13 13:12*	*12/26/13 21:41*	*1*
2,4,6-Tribromophenol (Surr)	*87*		*46 - 111*	*12/16/13 13:12*	*12/26/13 21:41*	*1*
Nitrobenzene-d5 (Surr)	*78*		*55 - 98*	*12/16/13 13:12*	*12/26/13 21:41*	*1*
Phenol-d5 (Surr)	*79*		*54 - 101*	*12/16/13 13:12*	*12/26/13 21:41*	*1*
Terphenyl-d14 (Surr)	*80*		*58 - 123*	*12/16/13 13:12*	*12/26/13 21:41*	*1*
2-Fluorobiphenyl (Surr)	*80*		*56 - 97*	*12/16/13 13:12*	*12/26/13 21:41*	*1*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	13	J B	420	2.8	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-2	4.8	J q B	420	3.0	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-3	12	J q B	420	3.2	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-4	70	U	420	70	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-5	110	U	420	110	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-6	110	U	420	110	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-7	100	U	420	100	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-8	110	U	420	110	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-9	120	U	420	120	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-10	43	U	420	43	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10

Client Sample ID: DD-B-9_SS

Date Collected: 12/03/13 08:00
Date Received: 12/04/13 09:20

Lab Sample ID: 680-96723-8
Matrix: Solid
Percent Solids: 93.3

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-11	110	U	420	110	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-12/13	120	U	840	120	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-14	96	U	420	96	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-15	**130**	J	420	120	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-16	**31**	J q	420	20	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-17	**21**	J q	420	14	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-18/30	**69**	J	840	12	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-19	17	U	420	17	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-20/28	**250**	J B	840	9.3	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-21/33	**92**	J B	840	8.6	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-22	**99**	J	420	9.9	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-23	8.4	U	420	8.4	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-24	10	U	420	10	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-25	**13**	J	420	8.7	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-26/29	**35**	J	840	8.7	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-27	10	U	420	10	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-31	**180**	J B	420	8.6	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-32	**22**	J	420	8.0	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-34	8.8	U	420	8.8	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-35	**43**	J	420	10	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-36	8.9	U	420	8.9	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-37	**170**	J	420	11	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-38	9.6	U	420	9.6	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-39	9.0	U	420	9.0	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-40/71	**160**	J	840	5.8	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-41	**19**	J q	420	7.5	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-42	**92**	J	420	6.4	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-43	6.6	U	420	6.6	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-44/47/65	**540**	J B	1300	5.5	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-45	**19**	J q	420	6.5	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-46	6.9	U	420	6.9	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-48	**46**	J	420	5.9	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-49/69	**270**	J B	840	4.8	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-50/53	**36**	J	840	5.4	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-51	5.4	U	420	5.4	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-52	**1300**	B	420	6.0	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-54	5.8	U	420	5.8	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-55	16	U	420	16	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-56	**230**	J	420	17	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-57	16	U	420	16	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-58	16	U	420	16	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-59/62/75	**17**	J q	1300	4.3	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-60	**110**	J	420	17	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-61/70/74/76	**990**	J B	1700	15	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-63	15	U	420	15	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-64	**220**	J B	420	4.0	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-66	**520**		420	17	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-67	15	U	420	15	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-68	14	U	420	14	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10

Client Sample ID: DD-B-9_SS

Date Collected: 12/03/13 08:00
Date Received: 12/04/13 09:20

Lab Sample ID: 680-96723-8
Matrix: Solid
Percent Solids: 93.3

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-72	15	U	420	15	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-73	4.6	U	420	4.6	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-77	**150**		42	21	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-78	18	U	420	18	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-79	**66**	J q	420	15	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-80	15	U	420	15	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-81	19	U	42	19	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-82	**440**		420	89	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-83	**110**	J	420	97	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-84	**760**		420	81	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-85/116/117	**560**	J	1300	60	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-86/87/97/108/119/125	**2500**	B	2500	61	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-88/91	**360**	J	840	68	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-89	76	U	420	76	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-90/101/113	**4000**	B	1300	62	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-92	**660**		420	72	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-93/100	68	U	840	68	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-107/124	**120**	J	840	56	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-94	72	U	420	72	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-95	**2600**	B	420	67	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-96	**5.6**	J q	420	3.8	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-98/102	64	U	840	64	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-99	**1700**		420	72	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-103	63	U	420	63	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-104	4.0	U	420	4.0	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-105	**1600**	G	64	64	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-106	61	U	420	61	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-110/115	**5400**	B	840	55	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-109	**240**	J	420	52	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-111	50	U	420	50	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-112	48	U	420	48	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-114	61	U G	61	61	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-115	**5400**	B	840	55	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-118	**3700**	G B	56	56	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-120	53	U	420	53	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-121	50	U	420	50	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-122	63	U	420	63	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-123	59	U G	59	59	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-126	71	U G	71	71	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-127	61	U	420	61	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-128/166	**980**		840	38	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-129/138/163	**7000**	B	1300	39	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-130	**320**	J	420	50	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-131	**54**	J	420	47	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-132	**1800**		420	45	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-133	**55**	J	420	44	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-134/143	**210**	J	840	45	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-135/151	**1300**		840	40	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-136	**450**		420	29	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10

Client Sample ID: DD-B-9_SS

Date Collected: 12/03/13 08:00
Date Received: 12/04/13 09:20

Lab Sample ID: 680-96723-8
Matrix: Solid
Percent Solids: 93.3

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-137	200	J	420	39	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-139/140	46	J q	840	38	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-141	1200		420	42	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-142	44	U	420	44	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-144	220	J	420	39	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-145	28	U	420	28	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-146	750		420	42	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-147/149	3700	B	840	39	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-148	39	U	420	39	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-150	26	U	420	26	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-152	27	U	420	27	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-153/168	4900	B	840	33	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-154	35	U	420	35	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-155	30	U	420	30	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-156/157	910		84	17	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-158	680		420	30	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-159	14	U	420	14	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-160	35	U	420	35	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-161	30	U	420	30	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-162	15	J q	420	13	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-164	460		420	33	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-165	35	U	420	35	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-167	320		42	14	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-169	14	U	42	14	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-170	2400		420	14	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-171/173	630	J	840	13	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-172	360	J	420	14	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-174	2000		420	14	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-175	68	J	420	5.8	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-176	150	J	420	3.9	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-177	1100		420	14	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-178	290	J	420	6.1	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-179	490		420	4.3	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-180/193	4900	B	840	11	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-181	11	U	420	11	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-182	13	J	420	5.4	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-183	1000		420	10	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-184	11	J	420	4.4	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-185	88	J	420	12	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-186	4.1	U	420	4.1	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-187	1900		420	5.6	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-188	4.5	U	420	4.5	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-189	82		42	7.5	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-190	530		420	10	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-191	76	J q	420	9.8	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-192	10	U	420	10	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-194	960		420	11	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-195	310	J	420	10	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-196	460		420	13	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10

Client Sample ID: DD-B-9_SS

Date Collected: 12/03/13 08:00
Date Received: 12/04/13 09:20

Lab Sample ID: 680-96723-8
Matrix: Solid
Percent Solids: 93.3

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	86	J	420	8.9	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-198/199	850		840	14	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-200	64	J	420	9.1	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-201	110	J	420	9.0	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-202	120	J	420	12	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-203	550		420	12	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-204	9.3	U	420	9.3	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-205	60	J q	420	7.1	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-206	410	J	420	8.6	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-207	450		420	6.6	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-208	320	J	420	8.2	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
PCB-209	28000	B	420	5.7	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
Total Monochlorobiphenyls	30	J q B	4200	3.0	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
Total Dichlorobiphenyls	130	J	4200	100	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
Total Trichlorobiphenyls	1000	J q B	4200	11	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
Total Tetrachlorobiphenyls	4800	q B	4200	11	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
Total Pentachlorobiphenyls	25000	q B	4200	61	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
Total Hexachlorobiphenyls	26000	q B	4200	34	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
Total Heptachlorobiphenyls	16000	q B	4200	8.9	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
Total Octachlorobiphenyls	3600	J q	4200	11	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
Total Nonachlorobiphenyls	1200	J	4200	7.8	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10
Polychlorinated biphenyls, Total	100000	q B	4200	25	pg/g	☼	12/19/13 17:37	02/08/14 01:54	10

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-4L	*49*		*5 - 145*	*12/19/13 17:37*	*02/08/14 01:54*	*10*
PCB-15L	*65*		*5 - 145*	*12/19/13 17:37*	*02/08/14 01:54*	*10*
PCB-123L	*81*		*10 - 145*	*12/19/13 17:37*	*02/08/14 01:54*	*10*
PCB-114L	*79*		*10 - 145*	*12/19/13 17:37*	*02/08/14 01:54*	*10*
PCB-202L	*73*		*10 - 145*	*12/19/13 17:37*	*02/08/14 01:54*	*10*
PCB-3L	*54*		*5 - 145*	*12/19/13 17:37*	*02/08/14 01:54*	*10*
PCB-118L	*83*		*10 - 145*	*12/19/13 17:37*	*02/08/14 01:54*	*10*
PCB-126L	*85*		*10 - 145*	*12/19/13 17:37*	*02/08/14 01:54*	*10*
PCB-206L	*89*		*10 - 145*	*12/19/13 17:37*	*02/08/14 01:54*	*10*
PCB-169L	*127*		*10 - 145*	*12/19/13 17:37*	*02/08/14 01:54*	*10*
PCB-37L	*76*		*5 - 145*	*12/19/13 17:37*	*02/08/14 01:54*	*10*
PCB-19L	*61*		*5 - 145*	*12/19/13 17:37*	*02/08/14 01:54*	*10*
PCB-188L	*68*		*10 - 145*	*12/19/13 17:37*	*02/08/14 01:54*	*10*
PCB-54L	*63*		*5 - 145*	*12/19/13 17:37*	*02/08/14 01:54*	*10*
PCB-156L/157L	*95*		*10 - 145*	*12/19/13 17:37*	*02/08/14 01:54*	*10*
PCB-167L	*87*		*10 - 145*	*12/19/13 17:37*	*02/08/14 01:54*	*10*
PCB-209L	*94*		*10 - 145*	*12/19/13 17:37*	*02/08/14 01:54*	*10*
PCB-189L	*79*		*10 - 145*	*12/19/13 17:37*	*02/08/14 01:54*	*10*
PCB-105L	*82*		*10 - 145*	*12/19/13 17:37*	*02/08/14 01:54*	*10*
PCB-208L	*85*		*10 - 145*	*12/19/13 17:37*	*02/08/14 01:54*	*10*
PCB-1L	*46*		*5 - 145*	*12/19/13 17:37*	*02/08/14 01:54*	*10*
PCB-104L	*58*		*10 - 145*	*12/19/13 17:37*	*02/08/14 01:54*	*10*
PCB-81L	*76*		*10 - 145*	*12/19/13 17:37*	*02/08/14 01:54*	*10*
PCB-77L	*75*		*10 - 145*	*12/19/13 17:37*	*02/08/14 01:54*	*10*
PCB-205L	*86*		*10 - 145*	*12/19/13 17:37*	*02/08/14 01:54*	*10*
PCB-155L	*69*		*10 - 145*	*12/19/13 17:37*	*02/08/14 01:54*	*10*

Client Sample ID: DD-B-9_SS

Date Collected: 12/03/13 08:00
Date Received: 12/04/13 09:20

Lab Sample ID: 680-96723-8
Matrix: Solid
Percent Solids: 93.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	82		5 - 145	12/19/13 17:37	02/08/14 01:54	10
PCB-111L	85		10 - 145	12/19/13 17:37	02/08/14 01:54	10
PCB-178L	98		10 - 145	12/19/13 17:37	02/08/14 01:54	10

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.69	J	2.1	0.045	pg/g	☼	12/19/13 15:47	01/08/14 04:53	1
1,2,3,7,8-PeCDD	1.2	J	10	0.10	pg/g	☼	12/19/13 15:47	01/08/14 04:53	1
1,2,3,7,8-PeCDF	16		10	0.14	pg/g	☼	12/19/13 15:47	01/08/14 04:53	1
2,3,4,7,8-PeCDF	9.7	J B	10	0.15	pg/g	☼	12/19/13 15:47	01/08/14 04:53	1
1,2,3,4,7,8-HxCDD	0.95	J q B	10	0.085	pg/g	☼	12/19/13 15:47	01/08/14 04:53	1
1,2,3,6,7,8-HxCDD	2.3	J B	10	0.060	pg/g	☼	12/19/13 15:47	01/08/14 04:53	1
1,2,3,7,8,9-HxCDD	2.6	J B	10	0.062	pg/g	☼	12/19/13 15:47	01/08/14 04:53	1
1,2,3,4,7,8-HxCDF	50	B	10	0.16	pg/g	☼	12/19/13 15:47	01/08/14 04:53	1
1,2,3,6,7,8-HxCDF	21	B	10	0.12	pg/g	☼	12/19/13 15:47	01/08/14 04:53	1
1,2,3,7,8,9-HxCDF	2.7	J B	10	0.15	pg/g	☼	12/19/13 15:47	01/08/14 04:53	1
2,3,4,6,7,8-HxCDF	8.3	J B	10	0.14	pg/g	☼	12/19/13 15:47	01/08/14 04:53	1
1,2,3,4,6,7,8-HpCDD	19	B	10	0.17	pg/g	☼	12/19/13 15:47	01/08/14 04:53	1
1,2,3,4,6,7,8-HpCDF	160	B	10	0.53	pg/g	☼	12/19/13 15:47	01/08/14 04:53	1
1,2,3,4,7,8,9-HpCDF	40	B	10	0.62	pg/g	☼	12/19/13 15:47	01/08/14 04:53	1
OCDD	160	B	21	0.23	pg/g	☼	12/19/13 15:47	01/08/14 04:53	1
OCDF	6600	B	21	1.0	pg/g	☼	12/19/13 15:47	01/08/14 04:53	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-1,2,3,6,7,8-HxCDD	90		40 - 135	12/19/13 15:47	01/08/14 04:53	1
13C-2,3,7,8-TCDD	90		40 - 135	12/19/13 15:47	01/08/14 04:53	1
13C-1,2,3,7,8-PeCDD	88		40 - 135	12/19/13 15:47	01/08/14 04:53	1
13C-1,2,3,4,6,7,8-HpCDF	98		40 - 135	12/19/13 15:47	01/08/14 04:53	1
13C-1,2,3,7,8-PeCDF	88		40 - 135	12/19/13 15:47	01/08/14 04:53	1
13C-2,3,7,8-TCDF	84		40 - 135	12/19/13 15:47	01/08/14 04:53	1
13C-1,2,3,4,6,7,8-HpCDD	102		40 - 135	12/19/13 15:47	01/08/14 04:53	1
13C-OCDD	106		40 - 135	12/19/13 15:47	01/08/14 04:53	1
13C-1,2,3,4,7,8-HxCDF	85		40 - 135	12/19/13 15:47	01/08/14 04:53	1

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	18	B	2.1	0.58	pg/g	☼	12/19/13 15:47	01/14/14 01:49	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDF	96		40 - 135	12/19/13 15:47	01/14/14 01:49	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9500		100	72	mg/Kg	☼	12/06/13 07:38	01/08/14 15:26	5
Antimony	3.3	U	5.1	3.3	mg/Kg	☼	12/06/13 07:38	01/08/14 15:26	5
Barium	210		26	1.3	mg/Kg	☼	12/06/13 07:38	01/08/14 15:26	5
Beryllium	0.86	U *	2.6	0.86	mg/Kg	☼	12/06/13 07:38	01/08/14 15:26	5
Cadmium	0.51	U	2.6	0.51	mg/Kg	☼	12/06/13 07:38	01/08/14 15:26	5
Calcium	19000		1300	68	mg/Kg	☼	12/06/13 07:38	01/08/14 15:26	5
Chromium	38		5.1	1.6	mg/Kg	☼	12/06/13 07:38	01/08/14 15:26	5
Cobalt	9.7	J	26	4.8	mg/Kg	☼	12/06/13 07:38	01/08/14 15:26	5
Copper	48		13	3.7	mg/Kg	☼	12/06/13 07:38	01/08/14 15:26	5

Client Sample ID: DD-B-9_SS

Date Collected: 12/03/13 08:00
Date Received: 12/04/13 09:20

Lab Sample ID: 680-96723-8
Matrix: Solid
Percent Solids: 93.3

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	13000		51	15	mg/Kg	☼	12/06/13 07:38	01/08/14 15:26	5
Lead	16		5.1	0.88	mg/Kg	☼	12/06/13 07:38	01/08/14 15:26	5
Magnesium	8400		510	43	mg/Kg	☼	12/06/13 07:38	01/08/14 15:26	5
Manganese	800	*	5.1	0.79	mg/Kg	☼	12/06/13 07:38	01/08/14 15:26	5
Nickel	17	J	20	1.2	mg/Kg	☼	12/06/13 07:38	01/08/14 15:26	5
Potassium	3400	U	5100	3400	mg/Kg	☼	12/06/13 07:38	01/09/14 22:12	10
Selenium	1.5	U	7.7	1.5	mg/Kg	☼	12/06/13 07:38	01/08/14 15:26	5
Silver	1.2	U	5.1	1.2	mg/Kg	☼	12/06/13 07:38	01/08/14 15:26	5
Sodium	1900		1000	480	mg/Kg	☼	12/06/13 07:38	01/09/14 22:12	10
Titanium	1200		10	3.2	mg/Kg	☼	12/06/13 07:38	01/08/14 15:26	5
Vanadium	71		26	6.4	mg/Kg	☼	12/06/13 07:38	01/08/14 15:26	5
Zinc	45		26	10	mg/Kg	☼	12/06/13 07:38	01/08/14 15:26	5

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.9	J	5.1	1.3	mg/Kg	☼	12/06/13 07:42	12/31/13 01:28	10
Niobium	41		13	1.9	mg/Kg	☼	12/06/13 07:42	12/31/13 01:28	10
Thallium	0.78	U	2.6	0.78	mg/Kg	☼	12/06/13 07:42	12/31/13 01:28	10
Uranium	6.0		0.51	0.10	mg/Kg	☼	12/06/13 07:42	12/31/13 01:28	10

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.038		0.033	0.011	mg/Kg	☼	12/09/13 07:33	12/11/13 12:25	1

General Chemistry - Soluble - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	100	H	4.3	0.86	mg/Kg	☼		01/08/14 08:52	20
Sulfate	2200	H	110	11	mg/Kg	☼		01/08/14 08:52	20

General Chemistry - Soluble - RADL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4500	H	430	43	mg/Kg	☼		01/08/14 13:31	200

Method: 900.0 - Gross Alpha and Gross Beta Radioactivity

Analyte	Result	Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Gross Alpha	88.5		10.0	5.51	pCi/g		12/09/13 08:58	12/10/13 06:34	1
Gross Beta	45.9		10.0	3.47	pCi/g		12/09/13 08:58	12/10/13 06:34	1

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Actinium 228	2.05			0.286	pCi/g		12/12/13 15:18	01/03/14 09:24	1
Bismuth-212	1.17			1.15	pCi/g		12/12/13 15:18	01/03/14 09:24	1
Bismuth-214	3.67			0.191	pCi/g		12/12/13 15:18	01/03/14 09:24	1
Bismuth-210M	-0.0218	U		0.158	pCi/g		12/12/13 15:18	01/03/14 09:24	1
Cesium-134	0.00604	U		0.132	pCi/g		12/12/13 15:18	01/03/14 09:24	1
Cesium-137	0.00659	U		0.102	pCi/g		12/12/13 15:18	01/03/14 09:24	1
Cobalt-57	-0.0462	U		0.683	pCi/g		12/12/13 15:18	01/03/14 09:24	1
Cobalt-60	0.0107	U		0.108	pCi/g		12/12/13 15:18	01/03/14 09:24	1
Lead-212	1.95			0.169	pCi/g		12/12/13 15:18	01/03/14 09:24	1
Lead-214	4.06			0.205	pCi/g		12/12/13 15:18	01/03/14 09:24	1
Potassium-40	24.3			0.779	pCi/g		12/12/13 15:18	01/03/14 09:24	1

Client Sample ID: DD-B-9_SS

Lab Sample ID: 680-96723-8
Date Collected: 12/03/13 08:00
Matrix: Solid
Date Received: 12/04/13 09:20

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS) (Continued)

Analyte	Result	Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Protactinium-231	0.910	U		3.30	pCi/g		12/12/13 15:18	01/03/14 09:24	1
Protactinium-234	0.127	U		0.426	pCi/g		12/12/13 15:18	01/03/14 09:24	1
Radium-224	**2.76**			2.74	pCi/g		12/12/13 15:18	01/03/14 09:24	1
Thallium-208	**0.661**			0.112	pCi/g		12/12/13 15:18	01/03/14 09:24	1
Thorium-227	0.201	U		1.97	pCi/g		12/12/13 15:18	01/03/14 09:24	1
Thorium-234	**3.59**			2.61	pCi/g		12/12/13 15:18	01/03/14 09:24	1

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Radium-226	**4.94**		1.00	0.107	pCi/g		12/09/13 08:58	01/01/14 15:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*104*		*40 - 110*	*12/09/13 08:58*	*01/01/14 15:58*	*1*

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Radium-228	**1.05**		1.00	0.333	pCi/g		12/09/13 09:06	12/30/13 11:00	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*104*		*40 - 110*	*12/09/13 09:06*	*12/30/13 11:00*	*1*
Y Carrier	*87.1*		*40 - 110*	*12/09/13 09:06*	*12/30/13 11:00*	*1*

Method: A-01-R - Isotopic Thorium (Alpha Spectrometry)

Analyte	Result	Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Thorium-228	**1.65**		1.00	0.115	pCi/g		01/22/14 08:12	01/24/14 19:13	1
Thorium-230	**2.65**		1.00	0.0719	pCi/g		01/22/14 08:12	01/24/14 19:13	1
Thorium-232	**1.59**		1.00	0.0798	pCi/g		01/22/14 08:12	01/24/14 19:13	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Thorium-229	*80.0*		*30 - 110*	*01/22/14 08:12*	*01/24/14 19:13*	*1*

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Uranium-233/234	**3.84**		1.00	0.0513	pCi/g		01/06/14 12:37	01/16/14 23:40	1
Uranium-235/236	**0.210**		1.00	0.0421	pCi/g		01/06/14 12:37	01/16/14 23:40	1
Uranium-238	**3.16**		1.00	0.0584	pCi/g		01/06/14 12:37	01/16/14 23:40	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*82.2*		*30 - 110*	*01/06/14 12:37*	*01/16/14 23:40*	*1*

Client Sample ID: DD-B-9_SUB

Lab Sample ID: 680-96723-9
Date Collected: 12/03/13 08:50
Matrix: Solid
Date Received: 12/04/13 09:20
Percent Solids: 92.6

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8900**		99	69	mg/Kg	☼	12/06/13 07:38	01/08/14 15:30	5
Antimony	3.2	U	4.9	3.2	mg/Kg	☼	12/06/13 07:38	01/08/14 15:30	5
Barium	**130**		25	1.2	mg/Kg	☼	12/06/13 07:38	01/08/14 15:30	5
Beryllium	0.84	U *	2.5	0.84	mg/Kg	☼	12/06/13 07:38	01/08/14 15:30	5
Cadmium	0.49	U	2.5	0.49	mg/Kg	☼	12/06/13 07:38	01/08/14 15:30	5
Calcium	**26000**		1200	66	mg/Kg	☼	12/06/13 07:38	01/08/14 15:30	5

Client Sample Results

Client: GEI Consultants, Inc.
Project/Site: TIMET

TestAmerica Job ID: 680-96723-1

Client Sample ID: DD-B-9_SUB

Lab Sample ID: 680-96723-9

Date Collected: 12/03/13 08:50
Date Received: 12/04/13 09:20

Matrix: Solid
Percent Solids: 92.6

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	13		4.9	1.5	mg/Kg	☼	12/06/13 07:38	01/08/14 15:30	5
Cobalt	7.4	J	25	4.6	mg/Kg	☼	12/06/13 07:38	01/08/14 15:30	5
Copper	16		12	3.6	mg/Kg	☼	12/06/13 07:38	01/08/14 15:30	5
Iron	13000		49	15	mg/Kg	☼	12/06/13 07:38	01/08/14 15:30	5
Lead	8.2		4.9	0.85	mg/Kg	☼	12/06/13 07:38	01/08/14 15:30	5
Magnesium	7900		490	41	mg/Kg	☼	12/06/13 07:38	01/08/14 15:30	5
Manganese	270	*	4.9	0.76	mg/Kg	☼	12/06/13 07:38	01/08/14 15:30	5
Nickel	15	J	20	1.1	mg/Kg	☼	12/06/13 07:38	01/08/14 15:30	5
Potassium	3300	U	4900	3300	mg/Kg	☼	12/06/13 07:38	01/09/14 22:24	10
Selenium	1.4	U	7.4	1.4	mg/Kg	☼	12/06/13 07:38	01/08/14 15:30	5
Silver	1.2	U	4.9	1.2	mg/Kg	☼	12/06/13 07:38	01/08/14 15:30	5
Sodium	1100		990	470	mg/Kg	☼	12/06/13 07:38	01/09/14 22:24	10
Titanium	720		9.9	3.1	mg/Kg	☼	12/06/13 07:38	01/08/14 15:30	5
Vanadium	37		25	6.2	mg/Kg	☼	12/06/13 07:38	01/08/14 15:30	5
Zinc	35		25	9.8	mg/Kg	☼	12/06/13 07:38	01/08/14 15:30	5

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0		4.9	1.3	mg/Kg	☼	12/06/13 07:42	12/31/13 01:35	10
Niobium	8.9	J	12	1.9	mg/Kg	☼	12/06/13 07:42	12/31/13 01:35	10
Thallium	0.75	U	2.5	0.75	mg/Kg	☼	12/06/13 07:42	12/31/13 01:35	10
Uranium	1.6		0.49	0.098	mg/Kg	☼	12/06/13 07:42	12/31/13 01:35	10

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.013	J	0.031	0.010	mg/Kg	☼	12/09/13 07:33	12/11/13 12:26	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	1.9	H	0.22	0.043	mg/Kg	☼		01/08/14 09:24	1

General Chemistry - Soluble - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	280	H	110	11	mg/Kg	☼		01/08/14 09:41	20

General Chemistry - Soluble - RADL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	190	H	43	4.3	mg/Kg	☼		01/08/14 13:47	20

Method: 900.0 - Gross Alpha and Gross Beta Radioactivity

Analyte	Result	Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Gross Alpha	26.6		10.0	5.91	pCi/g		12/09/13 08:58	12/10/13 06:34	1
Gross Beta	32.3		10.0	3.17	pCi/g		12/09/13 08:58	12/10/13 06:34	1

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Actinium 228	2.06			0.191	pCi/g		12/12/13 15:18	01/03/14 09:25	1
Bismuth-212	1.68	U		1.69	pCi/g		12/12/13 15:18	01/03/14 09:25	1
Bismuth-214	1.12			0.144	pCi/g		12/12/13 15:18	01/03/14 09:25	1
Bismuth-210M	0.0475	U		0.157	pCi/g		12/12/13 15:18	01/03/14 09:25	1
Cesium-134	-0.0520	U		0.172	pCi/g		12/12/13 15:18	01/03/14 09:25	1

Client Sample ID: DD-B-9_SUB

Lab Sample ID: 680-96723-9

Date Collected: 12/03/13 08:50
Date Received: 12/04/13 09:20

Matrix: Solid

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS) (Continued)

Analyte	Result	Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Cesium-137	0.0292	U		0.114	pCi/g		12/12/13 15:18	01/03/14 09:25	1
Cobalt-57	0.0126	U		0.0962	pCi/g		12/12/13 15:18	01/03/14 09:25	1
Cobalt-60	0.0552	U		0.143	pCi/g		12/12/13 15:18	01/03/14 09:25	1
Lead-212	**1.89**			0.208	pCi/g		12/12/13 15:18	01/03/14 09:25	1
Lead-214	**1.39**			0.254	pCi/g		12/12/13 15:18	01/03/14 09:25	1
Potassium-40	**22.5**			1.32	pCi/g		12/12/13 15:18	01/03/14 09:25	1
Protactinium-231	0.475	U		3.51	pCi/g		12/12/13 15:18	01/03/14 09:25	1
Protactinium-234	-0.118	U		0.492	pCi/g		12/12/13 15:18	01/03/14 09:25	1
Radium-224	**2.54**			2.39	pCi/g		12/12/13 15:18	01/03/14 09:25	1
Thallium-208	**0.551**			0.109	pCi/g		12/12/13 15:18	01/03/14 09:25	1
Thorium-227	0.0820	U		2.60	pCi/g		12/12/13 15:18	01/03/14 09:25	1
Thorium-234	1.01	U		3.51	pCi/g		12/12/13 15:18	01/03/14 09:25	1

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Radium-226	**0.990**		1.00	0.119	pCi/g		12/09/13 08:58	01/01/14 15:59	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*104*		*40 - 110*	*12/09/13 08:58*	*01/01/14 15:59*	*1*

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Radium-228	**1.37**		1.00	0.354	pCi/g		12/09/13 09:06	12/30/13 11:00	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*104*		*40 - 110*	*12/09/13 09:06*	*12/30/13 11:00*	*1*
Y Carrier	*90.1*		*40 - 110*	*12/09/13 09:06*	*12/30/13 11:00*	*1*

Method: A-01-R - Isotopic Thorium (Alpha Spectrometry)

Analyte	Result	Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Thorium-228	**1.59**		1.00	0.0798	pCi/g		01/22/14 08:12	01/24/14 19:13	1
Thorium-230	**1.25**		1.00	0.0753	pCi/g		01/22/14 08:12	01/24/14 19:13	1
Thorium-232	**1.36**		1.00	0.0638	pCi/g		01/22/14 08:12	01/24/14 19:13	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Thorium-229	*76.8*		*30 - 110*	*01/22/14 08:12*	*01/24/14 19:13*	*1*

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Uranium-233/234	**0.977**		1.00	0.0548	pCi/g		01/06/14 12:37	01/16/14 23:40	1
Uranium-235/236	0.0131	U	1.00	0.0394	pCi/g		01/06/14 12:37	01/16/14 23:40	1
Uranium-238	**1.03**		1.00	0.0479	pCi/g		01/06/14 12:37	01/16/14 23:40	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*88.4*		*30 - 110*	*01/06/14 12:37*	*01/16/14 23:40*	*1*

Client Sample Results

Client: GEI Consultants, Inc.
Project/Site: TIMET

TestAmerica Job ID: 680-96723-1

Client Sample ID: DD-B-6_SS

Date Collected: 12/03/13 09:25
Date Received: 12/04/13 09:20

Lab Sample ID: 680-96723-10
Matrix: Solid
Percent Solids: 92.8

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) - DL

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	6.8	U	420	6.8	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-2	7.2	U	420	7.2	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-3	7.8	U	420	7.8	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-4	330	U	420	330	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-5	310	U	420	310	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-6	310	U	420	310	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-7	290	U	420	290	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-8	310	U	420	310	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-9	330	U	420	330	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-10	210	U	420	210	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-11	**1500**		420	320	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-12/13	330	U	850	330	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-14	270	U	420	270	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-15	340	U	420	340	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-16	43	U	420	43	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-17	30	U	420	30	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-18/30	26	U	850	26	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-19	33	U	420	33	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-20/28	**53**	**J B**	850	15	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-21/33	14	U	850	14	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-22	16	U	420	16	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-23	14	U	420	14	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-24	22	U	420	22	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-25	15	U	420	15	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-26/29	15	U	850	15	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-27	23	U	420	23	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-31	**48**	**J B**	420	14	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-32	18	U	420	18	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-34	15	U	420	15	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-35	**62**	**J q**	420	17	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-36	15	U	420	15	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-37	20	U q	420	20	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-38	16	U	420	16	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-39	15	U	420	15	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-40/71	**36**	**J q**	850	12	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-41	16	U	420	16	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-42	14	U	420	14	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-43	14	U	420	14	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-44/47/65	**78**	**J q B**	1300	12	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-45	14	U	420	14	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-46	15	U	420	15	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-48	12	U	420	12	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-49/69	**52**	**J**	850	10	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-50/53	11	U	850	11	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-51	11	U	420	11	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-52	**190**	**J B**	420	13	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-54	15	U	420	15	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-55	15	U	420	15	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-56	**48**	**J q**	420	16	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10

Client Sample ID: DD-B-6_SS

Date Collected: 12/03/13 09:25
Date Received: 12/04/13 09:20

Lab Sample ID: 680-96723-10
Matrix: Solid
Percent Solids: 92.8

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) - DL (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-57	14	U	420	14	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-58	15	U	420	15	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-59/62/75	9.0	U	1300	9.0	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-60	15	U	420	15	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-61/70/74/76	**260**	**J B**	1700	14	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-63	14	U	420	14	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-64	**30**	**J q**	420	8.5	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-66	**110**	**J**	420	16	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-67	14	U	420	14	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-68	13	U	420	13	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-72	14	U	420	14	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-73	9.6	U	420	9.6	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-77	**61**	**q**	42	18	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-78	16	U	420	16	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-79	14	U	420	14	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-80	14	U	420	14	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-81	20	U	42	20	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-82	**94**	**J q**	420	28	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-83	**32**	**J**	420	31	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-84	**100**	**J**	420	26	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-85/116/117	**87**	**J q**	1300	19	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-86/87/97/108/119/125	**400**	**J B**	2500	19	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-88/91	**34**	**J q**	850	22	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-89	24	U	420	24	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-90/101/113	**510**	**J B**	1300	20	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-92	**69**	**J q**	420	23	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-93/100	22	U	850	22	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-107/124	**34**	**J q**	850	18	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-94	23	U	420	23	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-95	**280**	**J B**	420	21	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-96	7.3	U	420	7.3	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-98/102	20	U	850	20	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-99	**250**	**J B**	420	23	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-103	20	U	420	20	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-104	7.1	U	420	7.1	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-105	**490**		42	20	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-106	20	U	420	20	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-110/115	**860**	**B**	850	17	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-109	**46**	**J q**	420	17	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-111	16	U	420	16	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-112	15	U	420	15	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-114	19	U	42	19	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-118	**820**	**B**	42	19	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-120	17	U	420	17	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-121	16	U	420	16	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-122	20	U	420	20	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-123	20	U	42	20	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-126	24	U	42	24	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-127	19	U	420	19	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10

Client Sample ID: DD-B-6_SS

Date Collected: 12/03/13 09:25
Date Received: 12/04/13 09:20

Lab Sample ID: 680-96723-10
Matrix: Solid
Percent Solids: 92.8

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) - DL (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-128/166	260	J	850	21	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-129/138/163	1300	B	1300	22	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-130	60	J q	420	28	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-131	27	U	420	27	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-132	300	J	420	25	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-133	25	U	420	25	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-134/143	32	J q	850	26	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-135/151	160	J	850	23	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-136	48	J	420	17	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-137	44	J q	420	22	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-139/140	22	U	850	22	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-141	160	J	420	24	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-142	25	U	420	25	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-144	33	J	420	22	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-145	16	U	420	16	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-146	130	J	420	24	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-147/149	510	J B	850	22	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-148	22	U	420	22	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-150	15	U	420	15	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-152	15	U	420	15	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-153/168	900	B	850	19	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-154	20	U	420	20	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-155	17	U	420	17	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-156/157	200		85	14	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-158	150	J	420	17	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-159	11	U	420	11	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-160	20	U	420	20	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-161	17	U	420	17	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-162	11	U	420	11	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-164	64	J	420	19	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-165	20	U	420	20	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-167	61	q	42	10	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-169	13	U	42	13	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-170	400	J	420	13	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-171/173	79	J q	850	11	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-172	38	J q	420	12	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-174	290	J	420	12	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-175	12	U	420	12	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-176	17	J q	420	8.3	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-177	190	J	420	12	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-178	46	J q	420	13	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-179	67	J	420	9.0	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-180/193	870		850	9.5	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-181	9.7	U	420	9.7	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-182	12	U	420	12	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-183	160	J	420	8.8	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-184	9.3	U	420	9.3	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-185	29	J	420	11	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-186	8.8	U	420	8.8	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10

Client Sample ID: DD-B-6_SS

Date Collected: 12/03/13 09:25
Date Received: 12/04/13 09:20

Lab Sample ID: 680-96723-10
Matrix: Solid
Percent Solids: 92.8

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) - DL (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-187	310	J	420	12	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-188	9.6	U	420	9.6	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-189	13	U	42	13	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-190	68	J q	420	8.9	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-191	15	J q	420	8.6	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-192	8.9	U	420	8.9	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-194	220	J	420	14	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-195	58	J	420	13	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-196	130	J	420	9.0	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-197	41	J	420	6.0	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-198/199	300	J	850	9.3	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-200	24	J	420	6.1	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-201	59	J	420	6.0	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-202	61	J	420	7.7	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-203	180	J	420	8.3	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-204	6.3	U	420	6.3	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-205	15	J q	420	9.2	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-206	360	J	420	13	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-207	340	J	420	10	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-208	300	J	420	12	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
PCB-209	27000	B	420	9.4	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
Total Monochlorobiphenyls	7.8	U	4200	7.8	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
Total Dichlorobiphenyls	1500	J	4200	310	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
Total Trichlorobiphenyls	180	J q B	4200	20	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
Total Tetrachlorobiphenyls	870	J q B	4200	14	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
Total Pentachlorobiphenyls	4100	J q B	4200	20	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
Total Hexachlorobiphenyls	4400	q B	4200	20	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
Total Heptachlorobiphenyls	2600	J q	4200	11	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
Total Octachlorobiphenyls	1100	J q	4200	8.7	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
Total Nonachlorobiphenyls	1000	J	4200	12	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10
Polychlorinated biphenyls, Total	43000	q B	4200	43	pg/g	☼	12/30/13 13:50	02/09/14 03:46	10

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-4L	*36*		*5 - 145*	*12/30/13 13:50*	*02/09/14 03:46*	*10*
PCB-15L	*44*		*5 - 145*	*12/30/13 13:50*	*02/09/14 03:46*	*10*
PCB-123L	*60*		*10 - 145*	*12/30/13 13:50*	*02/09/14 03:46*	*10*
PCB-114L	*60*		*10 - 145*	*12/30/13 13:50*	*02/09/14 03:46*	*10*
PCB-202L	*67*		*10 - 145*	*12/30/13 13:50*	*02/09/14 03:46*	*10*
PCB-3L	*41*		*5 - 145*	*12/30/13 13:50*	*02/09/14 03:46*	*10*
PCB-118L	*59*		*10 - 145*	*12/30/13 13:50*	*02/09/14 03:46*	*10*
PCB-126L	*63*		*10 - 145*	*12/30/13 13:50*	*02/09/14 03:46*	*10*
PCB-206L	*82*		*10 - 145*	*12/30/13 13:50*	*02/09/14 03:46*	*10*
PCB-169L	*73*		*10 - 145*	*12/30/13 13:50*	*02/09/14 03:46*	*10*
PCB-37L	*41*		*5 - 145*	*12/30/13 13:50*	*02/09/14 03:46*	*10*
PCB-19L	*39*		*5 - 145*	*12/30/13 13:50*	*02/09/14 03:46*	*10*
PCB-188L	*56*		*10 - 145*	*12/30/13 13:50*	*02/09/14 03:46*	*10*
PCB-54L	*38*		*5 - 145*	*12/30/13 13:50*	*02/09/14 03:46*	*10*
PCB-156L/157L	*73*		*10 - 145*	*12/30/13 13:50*	*02/09/14 03:46*	*10*
PCB-167L	*74*		*10 - 145*	*12/30/13 13:50*	*02/09/14 03:46*	*10*
PCB-209L	*90*		*10 - 145*	*12/30/13 13:50*	*02/09/14 03:46*	*10*

Client Sample ID: DD-B-6_SS

Date Collected: 12/03/13 09:25
Date Received: 12/04/13 09:20

Lab Sample ID: 680-96723-10
Matrix: Solid
Percent Solids: 92.8

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) - DL (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-189L	69		10 - 145	12/30/13 13:50	02/09/14 03:46	10
PCB-105L	61		10 - 145	12/30/13 13:50	02/09/14 03:46	10
PCB-208L	78		10 - 145	12/30/13 13:50	02/09/14 03:46	10
PCB-1L	35		5 - 145	12/30/13 13:50	02/09/14 03:46	10
PCB-104L	45		10 - 145	12/30/13 13:50	02/09/14 03:46	10
PCB-81L	53		10 - 145	12/30/13 13:50	02/09/14 03:46	10
PCB-77L	53		10 - 145	12/30/13 13:50	02/09/14 03:46	10
PCB-205L	84		10 - 145	12/30/13 13:50	02/09/14 03:46	10
PCB-155L	49		10 - 145	12/30/13 13:50	02/09/14 03:46	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	59		5 - 145	12/30/13 13:50	02/09/14 03:46	10
PCB-111L	64		10 - 145	12/30/13 13:50	02/09/14 03:46	10
PCB-178L	78		10 - 145	12/30/13 13:50	02/09/14 03:46	10

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		100	73	mg/Kg	☼	12/06/13 07:38	01/08/14 15:34	5
Antimony	3.4	U	5.2	3.4	mg/Kg	☼	12/06/13 07:38	01/08/14 15:34	5
Barium	**180**		26	1.3	mg/Kg	☼	12/06/13 07:38	01/08/14 15:34	5
Beryllium	0.88	U *	2.6	0.88	mg/Kg	☼	12/06/13 07:38	01/08/14 15:34	5
Cadmium	0.52	U	2.6	0.52	mg/Kg	☼	12/06/13 07:38	01/08/14 15:34	5
Calcium	**16000**		1300	70	mg/Kg	☼	12/06/13 07:38	01/08/14 15:34	5
Chromium	**49**		5.2	1.6	mg/Kg	☼	12/06/13 07:38	01/08/14 15:34	5
Cobalt	**9.0**	J	26	4.9	mg/Kg	☼	12/06/13 07:38	01/08/14 15:34	5
Copper	**19**		13	3.8	mg/Kg	☼	12/06/13 07:38	01/08/14 15:34	5
Iron	**16000**		52	16	mg/Kg	☼	12/06/13 07:38	01/08/14 15:34	5
Lead	**58**		5.2	0.90	mg/Kg	☼	12/06/13 07:38	01/08/14 15:34	5
Magnesium	**11000**		520	44	mg/Kg	☼	12/06/13 07:38	01/08/14 15:34	5
Manganese	**1200**	*	5.2	0.81	mg/Kg	☼	12/06/13 07:38	01/08/14 15:34	5
Nickel	**32**		21	1.2	mg/Kg	☼	12/06/13 07:38	01/08/14 15:34	5
Potassium	3500	U	5200	3500	mg/Kg	☼	12/06/13 07:38	01/09/14 22:28	10
Selenium	1.5	U	7.9	1.5	mg/Kg	☼	12/06/13 07:38	01/08/14 15:34	5
Silver	1.2	U	5.2	1.2	mg/Kg	☼	12/06/13 07:38	01/08/14 15:34	5
Sodium	**750**	J	1000	490	mg/Kg	☼	12/06/13 07:38	01/09/14 22:28	10
Titanium	**920**		10	3.3	mg/Kg	☼	12/06/13 07:38	01/08/14 15:34	5
Vanadium	**150**		26	6.6	mg/Kg	☼	12/06/13 07:38	01/08/14 15:34	5
Zinc	**52**		26	10	mg/Kg	☼	12/06/13 07:38	01/08/14 15:34	5

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.4**	J	5.2	1.4	mg/Kg	☼	12/06/13 07:42	12/31/13 01:41	10
Niobium	**25**		13	2.0	mg/Kg	☼	12/06/13 07:42	12/31/13 01:41	10
Thallium	0.80	U	2.6	0.80	mg/Kg	☼	12/06/13 07:42	12/31/13 01:41	10
Uranium	**8.3**		0.52	0.10	mg/Kg	☼	12/06/13 07:42	12/31/13 01:41	10

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.026**	J	0.031	0.010	mg/Kg	☼	12/09/13 07:33	12/11/13 12:28	1

Client Sample ID: DD-B-6_SS

Lab Sample ID: 680-96723-10
Date Collected: 12/03/13 09:25
Matrix: Solid
Date Received: 12/04/13 09:20
Percent Solids: 92.8

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	4.1	H	0.22	0.043	mg/Kg	☼		01/08/14 09:57	1

General Chemistry - Soluble - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	3700	H	110	11	mg/Kg	☼		01/08/14 10:14	20

General Chemistry - Soluble - RADL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1200	H	110	11	mg/Kg	☼		01/08/14 14:04	50

Client Sample ID: DD-B-6_SUB

Lab Sample ID: 680-96723-11
Date Collected: 12/03/13 10:15
Matrix: Solid
Date Received: 12/04/13 09:20
Percent Solids: 94.7

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11000		100	73	mg/Kg	☼	12/06/13 07:38	01/08/14 15:38	5
Antimony	3.3	U	5.2	3.3	mg/Kg	☼	12/06/13 07:38	01/08/14 15:38	5
Barium	140		26	1.3	mg/Kg	☼	12/06/13 07:38	01/08/14 15:38	5
Beryllium	0.88	U *	2.6	0.88	mg/Kg	☼	12/06/13 07:38	01/08/14 15:38	5
Cadmium	0.52	U	2.6	0.52	mg/Kg	☼	12/06/13 07:38	01/08/14 15:38	5
Calcium	26000		1300	69	mg/Kg	☼	12/06/13 07:38	01/08/14 15:38	5
Chromium	11		5.2	1.6	mg/Kg	☼	12/06/13 07:38	01/08/14 15:38	5
Cobalt	8.9	J	26	4.9	mg/Kg	☼	12/06/13 07:38	01/08/14 15:38	5
Copper	17		13	3.8	mg/Kg	☼	12/06/13 07:38	01/08/14 15:38	5
Iron	15000		52	15	mg/Kg	☼	12/06/13 07:38	01/08/14 15:38	5
Lead	8.1		5.2	0.89	mg/Kg	☼	12/06/13 07:38	01/08/14 15:38	5
Magnesium	11000		520	43	mg/Kg	☼	12/06/13 07:38	01/08/14 15:38	5
Manganese	330	*	5.2	0.80	mg/Kg	☼	12/06/13 07:38	01/08/14 15:38	5
Nickel	18	J	21	1.2	mg/Kg	☼	12/06/13 07:38	01/08/14 15:38	5
Potassium	3500	U	5200	3500	mg/Kg	☼	12/06/13 07:38	01/09/14 22:31	10
Selenium	1.5	U	7.8	1.5	mg/Kg	☼	12/06/13 07:38	01/08/14 15:38	5
Silver	1.2	U	5.2	1.2	mg/Kg	☼	12/06/13 07:38	01/08/14 15:38	5
Sodium	800	J	1000	490	mg/Kg	☼	12/06/13 07:38	01/09/14 22:31	10
Titanium	810		10	3.3	mg/Kg	☼	12/06/13 07:38	01/08/14 15:38	5
Vanadium	43		26	6.5	mg/Kg	☼	12/06/13 07:38	01/08/14 15:38	5
Zinc	37		26	10	mg/Kg	☼	12/06/13 07:38	01/08/14 15:38	5

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.2	J	5.2	1.3	mg/Kg	☼	12/06/13 07:42	12/31/13 01:48	10
Niobium	6.7	J	13	2.0	mg/Kg	☼	12/06/13 07:42	12/31/13 01:48	10
Thallium	0.79	U	2.6	0.79	mg/Kg	☼	12/06/13 07:42	12/31/13 01:48	10
Uranium	1.5		0.52	0.10	mg/Kg	☼	12/06/13 07:42	12/31/13 01:48	10

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.011	U	0.033	0.011	mg/Kg	☼	12/09/13 07:33	12/11/13 12:33	1

Client Sample ID: DD-B-6_SUB

Lab Sample ID: 680-96723-11
Date Collected: 12/03/13 10:15
Matrix: Solid
Date Received: 12/04/13 09:20
Percent Solids: 94.7

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.45	H	0.21	0.042	mg/Kg	☼		01/08/14 10:46	1
Sulfate	110	H	5.3	0.53	mg/Kg	☼		01/08/14 10:46	1

General Chemistry - Soluble - RADL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120	H	42	4.2	mg/Kg	☼		01/08/14 14:20	20

Client Sample ID: P-B-4_SS

Lab Sample ID: 680-96723-12
Date Collected: 12/03/13 11:30
Matrix: Solid
Date Received: 12/04/13 09:20
Percent Solids: 90.6

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) - DL

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	93	J B	440	5.6	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-2	71	J B	440	6.1	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-3	130	J B	440	6.9	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-4	220	U	440	220	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-5	190	U	440	190	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-6	200	U	440	200	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-7	180	U	440	180	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-8	190	U	440	190	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-9	210	U	440	210	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-10	150	U	440	150	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-11	200	U	440	200	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-12/13	200	U	880	200	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-14	170	U	440	170	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-15	220	J	440	220	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-16	33	U	440	33	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-17	23	U	440	23	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-18/30	22	J q	880	20	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-19	25	U	440	25	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-20/28	76	J B	880	15	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-21/33	29	J B	880	14	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-22	25	J	440	16	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-23	14	U	440	14	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-24	17	U	440	17	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-25	14	U	440	14	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-26/29	14	U	880	14	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-27	17	U	440	17	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-31	45	J q B	440	14	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-32	13	U	440	13	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-34	14	U	440	14	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-35	16	U	440	16	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-36	14	U	440	14	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-37	83	J	440	20	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-38	15	U	440	15	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-39	14	U	440	14	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-40/71	51	J	880	11	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-41	14	U	440	14	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-42	13	J q	440	12	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10

Client Sample ID: P-B-4_SS

Date Collected: 12/03/13 11:30
Date Received: 12/04/13 09:20

Lab Sample ID: 680-96723-12
Matrix: Solid
Percent Solids: 90.6

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) - DL (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-43	13	U	440	13	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-44/47/65	**140**	**J B**	1300	11	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-45	12	U	440	12	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-46	13	U	440	13	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-48	11	U	440	11	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-49/69	**71**	**J**	880	9.2	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-50/53	10	U	880	10	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-51	10	U	440	10	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-52	**280**	**J B**	440	12	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-54	11	U	440	11	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-55	17	U	440	17	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-56	**81**	**J**	440	19	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-57	17	U	440	17	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-58	17	U	440	17	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-59/62/75	**14**	**J q**	1300	8.1	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-60	**41**	**J q**	440	18	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-61/70/74/76	**430**	**J B**	1800	17	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-63	16	U	440	16	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-64	**64**	**J**	440	7.7	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-66	**180**	**J**	440	19	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-67	16	U	440	16	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-68	15	U	440	15	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-72	17	U	440	17	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-73	8.7	U	440	8.7	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-77	**75**		44	24	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-78	19	U	440	19	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-79	17	U	440	17	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-80	16	U	440	16	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-81	20	U	44	20	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-82	**160**	**J**	440	36	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-83	**43**	**J q**	440	39	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-84	**210**	**J**	440	33	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-85/116/117	**170**	**J q**	1300	24	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-86/87/97/108/119/125	**710**	**J B**	2600	25	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-88/91	**78**	**J q**	880	27	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-89	31	U	440	31	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-90/101/113	**930**	**J B**	1300	25	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-92	**150**	**J**	440	29	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-93/100	28	U	880	28	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-107/124	**59**	**J q**	880	23	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-94	29	U	440	29	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-95	**530**	**B**	440	27	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-96	7.0	U	440	7.0	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-98/102	26	U	880	26	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-99	**470**	**B**	440	29	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-103	26	U	440	26	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-104	7.3	U	440	7.3	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-105	**650**		44	27	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-106	25	U	440	25	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10

Client Sample ID: P-B-4_SS

Date Collected: 12/03/13 11:30
Date Received: 12/04/13 09:20

Lab Sample ID: 680-96723-12
Matrix: Solid
Percent Solids: 90.6

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) - DL (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-110/115	**1400**	**B**	880	22	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-109	**84**	**J q**	440	21	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-111	20	U	440	20	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-112	19	U	440	19	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-114	**37**	**J**	44	26	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-118	**1100**	**B**	44	22	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-120	21	U	440	21	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-121	20	U	440	20	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-122	25	U	440	25	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-123	**24**	**J**	44	23	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-126	31	U	44	31	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-127	25	U	440	25	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-128/166	**250**	**J**	880	18	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-129/138/163	**1300**	**B**	1300	19	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-130	**90**	**J**	440	24	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-131	23	U	440	23	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-132	**320**	**J**	440	21	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-133	21	U	440	21	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-134/143	22	U	880	22	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-135/151	**140**	**J q**	880	19	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-136	**59**	**J**	440	14	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-137	**60**	**J**	440	19	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-139/140	18	U	880	18	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-141	**170**	**J**	440	20	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-142	21	U	440	21	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-144	**30**	**J q**	440	19	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-145	13	U	440	13	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-146	**130**	**J**	440	20	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-147/149	**550**	**J B**	880	19	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-148	19	U	440	19	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-150	13	U	440	13	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-152	13	U	440	13	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-153/168	**810**	**J B**	880	16	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-154	17	U	440	17	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-155	14	U	440	14	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-156/157	**260**		88	14	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-158	**160**	**J**	440	14	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-159	11	U	440	11	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-160	17	U	440	17	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-161	14	U	440	14	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-162	11	U	440	11	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-164	**65**	**J q**	440	16	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-165	17	U	440	17	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-167	**87**		44	10	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-169	13	U	44	13	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-170	**210**	**J q**	440	13	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-171/173	**110**	**J**	880	12	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-172	**83**	**J**	440	13	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-174	**170**	**J**	440	13	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10

Client Sample ID: P-B-4_SS

Date Collected: 12/03/13 11:30
Date Received: 12/04/13 09:20

Lab Sample ID: 680-96723-12
Matrix: Solid
Percent Solids: 90.6

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) - DL (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-175	29	J	440	12	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-176	27	J	440	8.3	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-177	89	J q	440	13	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-178	26	J q	440	13	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-179	32	J q	440	9.0	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-180/193	560	J	880	10	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-181	10	U	440	10	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-182	11	U	440	11	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-183	110	J	440	9.3	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-184	34	J	440	9.2	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-185	26	J	440	11	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-186	8.8	U	440	8.8	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-187	150	J	440	12	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-188	9.2	U	440	9.2	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-189	27	J q	44	11	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-190	40	J q	440	9.4	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-191	19	J	440	9.1	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-192	9.4	U	440	9.4	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-194	190	J	440	11	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-195	38	J q	440	10	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-196	130	J	440	12	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-197	91	J	440	7.8	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-198/199	160	J	880	12	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-200	23	J	440	7.9	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-201	91	J	440	7.8	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-202	40	J	440	9.4	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-203	120	J q	440	11	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-204	41	J	440	8.2	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-205	38	J q	440	7.7	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-206	750		440	10	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-207	800		440	8.0	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-208	540		440	10	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
PCB-209	30000	B	440	10	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
Total Monochlorobiphenyls	300	J B	4400	6.2	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
Total Dichlorobiphenyls	220	J	4400	190	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
Total Trichlorobiphenyls	280	J q B	4400	17	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
Total Tetrachlorobiphenyls	1400	J q B	4400	14	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
Total Pentachlorobiphenyls	6800	q B	4400	25	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
Total Hexachlorobiphenyls	4400	q B	4400	17	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
Total Heptachlorobiphenyls	1700	J q	4400	11	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
Total Octachlorobiphenyls	970	J q	4400	9.5	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
Total Nonachlorobiphenyls	2100	J	4400	9.5	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10
Polychlorinated biphenyls, Total	49000	q B	4400	31	pg/g	☼	12/30/13 13:59	02/09/14 05:01	10

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-4L	*35*		*5 - 145*	*12/30/13 13:59*	*02/09/14 05:01*	*10*
PCB-15L	*39*		*5 - 145*	*12/30/13 13:59*	*02/09/14 05:01*	*10*
PCB-123L	*47*		*10 - 145*	*12/30/13 13:59*	*02/09/14 05:01*	*10*
PCB-114L	*44*		*10 - 145*	*12/30/13 13:59*	*02/09/14 05:01*	*10*
PCB-202L	*56*		*10 - 145*	*12/30/13 13:59*	*02/09/14 05:01*	*10*

Client Sample ID: P-B-4_SS

Date Collected: 12/03/13 11:30
Date Received: 12/04/13 09:20

Lab Sample ID: 680-96723-12
Matrix: Solid
Percent Solids: 90.6

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) - DL (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-3L	39		5 - 145	12/30/13 13:59	02/09/14 05:01	10
PCB-118L	47		10 - 145	12/30/13 13:59	02/09/14 05:01	10
PCB-126L	46		10 - 145	12/30/13 13:59	02/09/14 05:01	10
PCB-206L	67		10 - 145	12/30/13 13:59	02/09/14 05:01	10
PCB-169L	55		10 - 145	12/30/13 13:59	02/09/14 05:01	10
PCB-37L	33		5 - 145	12/30/13 13:59	02/09/14 05:01	10
PCB-19L	30		5 - 145	12/30/13 13:59	02/09/14 05:01	10
PCB-188L	48		10 - 145	12/30/13 13:59	02/09/14 05:01	10
PCB-54L	30		5 - 145	12/30/13 13:59	02/09/14 05:01	10
PCB-156L/157L	52		10 - 145	12/30/13 13:59	02/09/14 05:01	10
PCB-167L	57		10 - 145	12/30/13 13:59	02/09/14 05:01	10
PCB-209L	69		10 - 145	12/30/13 13:59	02/09/14 05:01	10
PCB-189L	51		10 - 145	12/30/13 13:59	02/09/14 05:01	10
PCB-105L	45		10 - 145	12/30/13 13:59	02/09/14 05:01	10
PCB-208L	63		10 - 145	12/30/13 13:59	02/09/14 05:01	10
PCB-1L	35		5 - 145	12/30/13 13:59	02/09/14 05:01	10
PCB-104L	33		10 - 145	12/30/13 13:59	02/09/14 05:01	10
PCB-81L	47		10 - 145	12/30/13 13:59	02/09/14 05:01	10
PCB-77L	45		10 - 145	12/30/13 13:59	02/09/14 05:01	10
PCB-205L	62		10 - 145	12/30/13 13:59	02/09/14 05:01	10
PCB-155L	40		10 - 145	12/30/13 13:59	02/09/14 05:01	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	45		5 - 145	12/30/13 13:59	02/09/14 05:01	10
PCB-111L	59		10 - 145	12/30/13 13:59	02/09/14 05:01	10
PCB-178L	77		10 - 145	12/30/13 13:59	02/09/14 05:01	10

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**13000**		110	75	mg/Kg	☼	12/06/13 07:38	01/08/14 15:42	5
Antimony	3.4	U	5.3	3.4	mg/Kg	☼	12/06/13 07:38	01/08/14 15:42	5
Barium	**260**		27	1.3	mg/Kg	☼	12/06/13 07:38	01/08/14 15:42	5
Beryllium	0.90	U *	2.7	0.90	mg/Kg	☼	12/06/13 07:38	01/08/14 15:42	5
Cadmium	0.53	U	2.7	0.53	mg/Kg	☼	12/06/13 07:38	01/08/14 15:42	5
Calcium	**28000**		1300	71	mg/Kg	☼	12/06/13 07:38	01/08/14 15:42	5
Chromium	**56**		5.3	1.6	mg/Kg	☼	12/06/13 07:38	01/08/14 15:42	5
Cobalt	**11**	J	27	5.0	mg/Kg	☼	12/06/13 07:38	01/08/14 15:42	5
Copper	**25**		13	3.9	mg/Kg	☼	12/06/13 07:38	01/08/14 15:42	5
Iron	**18000**		53	16	mg/Kg	☼	12/06/13 07:38	01/08/14 15:42	5
Lead	**21**		5.3	0.92	mg/Kg	☼	12/06/13 07:38	01/08/14 15:42	5
Magnesium	**12000**		530	44	mg/Kg	☼	12/06/13 07:38	01/08/14 15:42	5
Manganese	**1200**	*	5.3	0.82	mg/Kg	☼	12/06/13 07:38	01/08/14 15:42	5
Nickel	**23**		21	1.2	mg/Kg	☼	12/06/13 07:38	01/08/14 15:42	5
Potassium	3600	U	5300	3600	mg/Kg	☼	12/06/13 07:38	01/09/14 22:35	10
Selenium	1.5	U	8.0	1.5	mg/Kg	☼	12/06/13 07:38	01/08/14 15:42	5
Silver	1.2	U	5.3	1.2	mg/Kg	☼	12/06/13 07:38	01/08/14 15:42	5
Sodium	**1300**		1100	500	mg/Kg	☼	12/06/13 07:38	01/09/14 22:35	10
Titanium	**2300**		11	3.4	mg/Kg	☼	12/06/13 07:38	01/08/14 15:42	5
Vanadium	**170**		27	6.7	mg/Kg	☼	12/06/13 07:38	01/08/14 15:42	5
Zinc	**52**		27	11	mg/Kg	☼	12/06/13 07:38	01/08/14 15:42	5

Client Sample Results

Client: GEI Consultants, Inc.
Project/Site: TIMET

TestAmerica Job ID: 680-96723-1

Client Sample ID: P-B-4_SS

Lab Sample ID: 680-96723-12
Date Collected: 12/03/13 11:30
Matrix: Solid
Date Received: 12/04/13 09:20
Percent Solids: 90.6

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.6		5.3	1.4	mg/Kg	☼	12/06/13 07:42	12/31/13 01:55	10
Niobium	15		13	2.0	mg/Kg	☼	12/06/13 07:42	12/31/13 01:55	10
Thallium	0.81	U	2.7	0.81	mg/Kg	☼	12/06/13 07:42	12/31/13 01:55	10
Uranium	3.3		0.53	0.11	mg/Kg	☼	12/06/13 07:42	12/31/13 01:55	10

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023	J	0.035	0.012	mg/Kg	☼	12/09/13 07:33	12/11/13 12:35	1

General Chemistry - Soluble - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	31	H	4.4	0.88	mg/Kg	☼		01/08/14 11:52	20
Sulfate	1400	H	110	11	mg/Kg	☼		01/08/14 11:52	20

General Chemistry - Soluble - RADL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1200	H	110	11	mg/Kg	☼		01/08/14 14:36	50

Client Sample ID: P-B-4_SUB

Lab Sample ID: 680-96723-13
Date Collected: 12/03/13 12:30
Matrix: Solid
Date Received: 12/04/13 09:20
Percent Solids: 93.7

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11000		91	64	mg/Kg	☼	12/06/13 07:38	01/08/14 15:53	5
Antimony	2.9	U	4.6	2.9	mg/Kg	☼	12/06/13 07:38	01/08/14 15:53	5
Barium	240		23	1.1	mg/Kg	☼	12/06/13 07:38	01/08/14 15:53	5
Beryllium	0.77	U *	2.3	0.77	mg/Kg	☼	12/06/13 07:38	01/08/14 15:53	5
Cadmium	0.46	U	2.3	0.46	mg/Kg	☼	12/06/13 07:38	01/08/14 15:53	5
Calcium	26000		1100	61	mg/Kg	☼	12/06/13 07:38	01/08/14 15:53	5
Chromium	11		4.6	1.4	mg/Kg	☼	12/06/13 07:38	01/08/14 15:53	5
Cobalt	7.6	J	23	4.3	mg/Kg	☼	12/06/13 07:38	01/08/14 15:53	5
Copper	27		11	3.3	mg/Kg	☼	12/06/13 07:38	01/08/14 15:53	5
Iron	16000		46	14	mg/Kg	☼	12/06/13 07:38	01/08/14 15:53	5
Lead	17		4.6	0.78	mg/Kg	☼	12/06/13 07:38	01/08/14 15:53	5
Magnesium	9800		460	38	mg/Kg	☼	12/06/13 07:38	01/08/14 15:53	5
Manganese	600	*	4.6	0.70	mg/Kg	☼	12/06/13 07:38	01/08/14 15:53	5
Nickel	15	J	18	1.0	mg/Kg	☼	12/06/13 07:38	01/08/14 15:53	5
Potassium	3100	U	4600	3100	mg/Kg	☼	12/06/13 07:38	01/09/14 22:39	10
Selenium	1.3	U	6.8	1.3	mg/Kg	☼	12/06/13 07:38	01/08/14 15:53	5
Silver	1.1	U	4.6	1.1	mg/Kg	☼	12/06/13 07:38	01/08/14 15:53	5
Sodium	790	J	910	430	mg/Kg	☼	12/06/13 07:38	01/09/14 22:39	10
Titanium	1100		9.1	2.9	mg/Kg	☼	12/06/13 07:38	01/08/14 15:53	5
Vanadium	42		23	5.7	mg/Kg	☼	12/06/13 07:38	01/08/14 15:53	5
Zinc	49		23	9.0	mg/Kg	☼	12/06/13 07:38	01/08/14 15:53	5

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.2	J	4.6	1.2	mg/Kg	☼	12/06/13 07:42	12/31/13 02:01	10
Niobium	1.7	U	11	1.7	mg/Kg	☼	12/06/13 07:42	12/31/13 02:01	10
Thallium	0.69	U	2.3	0.69	mg/Kg	☼	12/06/13 07:42	12/31/13 02:01	10

Client Sample ID: P-B-4_SUB

Lab Sample ID: 680-96723-13

Date Collected: 12/03/13 12:30
Date Received: 12/04/13 09:20

Matrix: Solid
Percent Solids: 93.7

Method: 6020A - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	0.85		0.46	0.091	mg/Kg	☼	12/06/13 07:42	12/31/13 02:01	10

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	J	0.034	0.011	mg/Kg	☼	12/09/13 07:33	12/11/13 12:36	1

General Chemistry - Soluble - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	48	H	4.2	0.85	mg/Kg	☼		01/08/14 12:25	20
Sulfate	220	H	110	11	mg/Kg	☼		01/08/14 12:25	20

General Chemistry - Soluble - RADL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2100	H	210	21	mg/Kg	☼		01/08/14 14:53	100

Client Sample ID: RINSATE

Lab Sample ID: 680-96723-14

Date Collected: 12/03/13 12:30
Date Received: 12/04/13 09:20

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.98	U	9.8	0.98	ug/L		12/05/13 09:43	01/11/14 20:19	1
Acenaphthylene	0.98	U	9.8	0.98	ug/L		12/05/13 09:43	01/11/14 20:19	1
Anthracene	0.98	U	9.8	0.98	ug/L		12/05/13 09:43	01/11/14 20:19	1
Benzo[a]anthracene	0.98	U	9.8	0.98	ug/L		12/05/13 09:43	01/11/14 20:19	1
Benzo[b]fluoranthene	0.98	U	9.8	0.98	ug/L		12/05/13 09:43	01/11/14 20:19	1
Benzo[k]fluoranthene	0.98	U	9.8	0.98	ug/L		12/05/13 09:43	01/11/14 20:19	1
Benzo[g,h,i]perylene	0.98	U	9.8	0.98	ug/L		12/05/13 09:43	01/11/14 20:19	1
Benzo[a]pyrene	0.98	U *	9.8	0.98	ug/L		12/05/13 09:43	01/11/14 20:19	1
Chrysene	0.98	U	9.8	0.98	ug/L		12/05/13 09:43	01/11/14 20:19	1
Dibenz(a,h)anthracene	0.98	U	9.8	0.98	ug/L		12/05/13 09:43	01/11/14 20:19	1
Fluoranthene	0.98	U *	9.8	0.98	ug/L		12/05/13 09:43	01/11/14 20:19	1
Fluorene	0.98	U *	9.8	0.98	ug/L		12/05/13 09:43	01/11/14 20:19	1
Indeno[1,2,3-cd]pyrene	0.98	U	9.8	0.98	ug/L		12/05/13 09:43	01/11/14 20:19	1
Naphthalene	0.98	U	9.8	0.98	ug/L		12/05/13 09:43	01/11/14 20:19	1
Phenanthrene	0.98	U	9.8	0.98	ug/L		12/05/13 09:43	01/11/14 20:19	1
Pyrene	0.98	U	9.8	0.98	ug/L		12/05/13 09:43	01/11/14 20:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*48*		*10 - 74*	*12/05/13 09:43*	*01/11/14 20:19*	*1*
2,4,6-Tribromophenol (Surr)	*80*		*47 - 103*	*12/05/13 09:43*	*01/11/14 20:19*	*1*
Nitrobenzene-d5 (Surr)	*81*		*31 - 105*	*12/05/13 09:43*	*01/11/14 20:19*	*1*
Phenol-d5 (Surr)	*28*		*10 - 50*	*12/05/13 09:43*	*01/11/14 20:19*	*1*
Terphenyl-d14 (Surr)	*80*		*68 - 116*	*12/05/13 09:43*	*01/11/14 20:19*	*1*
2-Fluorobiphenyl (Surr)	*77*		*30 - 99*	*12/05/13 09:43*	*01/11/14 20:19*	*1*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	21	J	200	1.4	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-2	1.4	U	200	1.4	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-3	6.2	J	200	1.5	pg/L		01/09/14 13:29	02/07/14 19:37	1

Client Sample ID: RINSATE

Lab Sample ID: 680-96723-14

Date Collected: 12/03/13 12:30
Date Received: 12/04/13 09:20

Matrix: Water

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-4	61	U	200	61	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-5	46	U	200	46	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-6	46	U	200	46	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-7	43	U	200	43	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-8	45	U	200	45	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-9	48	U	200	48	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-10	36	U	200	36	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-11	47	U	200	47	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-12/13	48	U	390	48	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-14	40	U	200	40	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-15	47	U	200	47	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-16	11	U	200	11	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-17	8.1	U	200	8.1	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-18/30	6.9	U	390	6.9	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-19	11	U	200	11	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-20/28	**9.1**	**J B**	390	3.6	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-21/33	**5.1**	**J q B**	390	3.4	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-22	3.9	U	200	3.9	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-23	3.3	U	200	3.3	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-24	5.9	U	200	5.9	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-25	3.4	U	200	3.4	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-26/29	3.4	U	390	3.4	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-27	6.0	U	200	6.0	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-31	**8.2**	**J q B**	200	3.4	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-32	4.7	U	200	4.7	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-34	3.4	U	200	3.4	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-35	4.0	U	200	4.0	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-36	3.5	U	200	3.5	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-37	**4.4**	**J q**	200	4.1	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-38	3.7	U	200	3.7	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-39	3.5	U	200	3.5	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-40/71	3.1	U	390	3.1	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-41	4.0	U	200	4.0	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-42	3.5	U	200	3.5	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-43	3.5	U	200	3.5	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-44/47/65	**9.9**	**J q B**	590	3.0	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-45	3.5	U	200	3.5	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-46	3.7	U	200	3.7	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-48	3.2	U	200	3.2	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-49/69	**4.0**	**J q B**	390	2.6	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-50/53	2.9	U	390	2.9	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-51	2.9	U	200	2.9	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-52	**20**	**J B**	200	3.2	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-54	4.7	U	200	4.7	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-55	3.3	U	200	3.3	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-56	3.5	U	200	3.5	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-57	3.2	U	200	3.2	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-58	3.2	U	200	3.2	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-59/62/75	2.3	U	590	2.3	pg/L		01/09/14 13:29	02/07/14 19:37	1

Client Sample ID: RINSATE

Lab Sample ID: 680-96723-14

Date Collected: 12/03/13 12:30
Date Received: 12/04/13 09:20

Matrix: Water

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-60	3.4	U	200	3.4	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-61/70/74/76	**8.3**	**J q B**	780	3.2	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-63	3.0	U	200	3.0	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-64	**5.2**	**J q B**	200	2.2	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-66	3.6	U	200	3.6	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-67	3.0	U	200	3.0	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-68	2.9	U	200	2.9	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-72	3.1	U	200	3.1	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-73	2.5	U	200	2.5	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-77	3.9	U	20	3.9	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-78	3.6	U	200	3.6	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-79	3.1	U	200	3.1	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-80	3.0	U	200	3.0	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-81	3.8	U	20	3.8	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-82	5.0	U	200	5.0	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-83	5.4	U	200	5.4	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-84	4.5	U	200	4.5	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-85/116/117	3.3	U	590	3.3	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-86/87/97/108/119/125	3.4	U	1200	3.4	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-88/91	3.8	U	390	3.8	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-89	4.3	U	200	4.3	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-90/101/113	**6.5**	**J q B**	590	3.5	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-92	4.0	U	200	4.0	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-93/100	3.8	U	390	3.8	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-107/124	3.1	U	390	3.1	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-94	4.0	U	200	4.0	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-95	**7.6**	**J q B**	200	3.8	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-96	2.3	U	200	2.3	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-98/102	3.6	U	390	3.6	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-99	4.0	U	200	4.0	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-103	3.5	U	200	3.5	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-104	2.8	U	200	2.8	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-105	3.5	U	20	3.5	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-106	3.4	U	200	3.4	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-110/115	**7.7**	**J B**	390	3.1	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-109	2.9	U	200	2.9	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-111	2.8	U	200	2.8	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-112	2.7	U	200	2.7	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-114	3.2	U	20	3.2	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-115	**7.7**	**J B**	390	3.1	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-118	**6.0**	**J B**	20	3.1	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-120	3.0	U	200	3.0	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-121	2.8	U	200	2.8	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-122	3.5	U	200	3.5	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-123	3.2	U	20	3.2	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-126	3.7	U	20	3.7	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-127	3.4	U	200	3.4	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-128/166	3.8	U	390	3.8	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-129/138/163	**4.5**	**J B**	590	4.0	pg/L		01/09/14 13:29	02/07/14 19:37	1

Client Sample ID: RINSATE

Lab Sample ID: 680-96723-14

Date Collected: 12/03/13 12:30
Date Received: 12/04/13 09:20

Matrix: Water

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-130	5.1	U	200	5.1	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-131	4.8	U	200	4.8	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-132	4.6	U	200	4.6	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-133	4.5	U	200	4.5	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-134/143	4.6	U	390	4.6	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-135/151	4.1	U	390	4.1	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-136	3.0	U	200	3.0	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-137	4.0	U	200	4.0	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-139/140	3.9	U	390	3.9	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-141	4.3	U	200	4.3	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-142	4.5	U	200	4.5	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-144	4.0	U	200	4.0	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-145	2.9	U	200	2.9	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-146	4.3	U	200	4.3	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-147/149	**6.2**	**J B**	390	4.0	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-148	4.0	U	200	4.0	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-150	2.7	U	200	2.7	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-152	2.7	U	200	2.7	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-153/168	**5.1**	**J**	390	3.3	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-154	3.5	U	200	3.5	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-155	4.1	U	200	4.1	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-156/157	3.8	U	39	3.8	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-158	3.1	U	200	3.1	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-159	3.4	U	200	3.4	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-160	3.5	U	200	3.5	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-161	3.1	U	200	3.1	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-162	3.3	U	200	3.3	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-164	3.4	U	200	3.4	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-165	3.5	U	200	3.5	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-167	3.1	U	20	3.1	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-169	3.6	U	20	3.6	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-170	3.3	U	200	3.3	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-171/173	3.0	U	390	3.0	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-172	3.1	U	200	3.1	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-174	3.1	U	200	3.1	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-175	4.2	U	200	4.2	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-176	2.8	U	200	2.8	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-177	3.1	U	200	3.1	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-178	4.3	U	200	4.3	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-179	3.0	U	200	3.0	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-180/193	2.5	U	390	2.5	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-181	2.5	U	200	2.5	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-182	3.9	U	200	3.9	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-183	2.3	U	200	2.3	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-184	3.1	U	200	3.1	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-185	2.7	U	200	2.7	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-186	2.9	U	200	2.9	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-187	4.0	U	200	4.0	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-188	3.7	U	200	3.7	pg/L		01/09/14 13:29	02/07/14 19:37	1

Client Sample ID: RINSATE

Lab Sample ID: 680-96723-14

Date Collected: 12/03/13 12:30
Date Received: 12/04/13 09:20

Matrix: Water

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-189	4.2	U	20	4.2	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-190	2.3	U	200	2.3	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-191	2.2	U	200	2.2	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-192	2.3	U	200	2.3	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-194	3.8	U	200	3.8	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-195	3.6	U	200	3.6	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-196	3.4	U	200	3.4	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-197	2.3	U	200	2.3	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-198/199	3.6	U	390	3.6	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-200	2.3	U	200	2.3	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-201	2.3	U	200	2.3	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-202	3.4	U	200	3.4	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-203	3.2	U	200	3.2	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-204	2.4	U	200	2.4	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-205	2.3	U	200	2.3	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-206	3.3	U	200	3.3	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-207	**4.5**	**J**	200	2.6	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-208	3.5	U	200	3.5	pg/L		01/09/14 13:29	02/07/14 19:37	1
PCB-209	**68**	**J B**	200	2.6	pg/L		01/09/14 13:29	02/07/14 19:37	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*44*		*5 - 145*	*01/09/14 13:29*	*02/07/14 19:37*	*1*
PCB-3L	*52*		*5 - 145*	*01/09/14 13:29*	*02/07/14 19:37*	*1*
PCB-4L	*47*		*5 - 145*	*01/09/14 13:29*	*02/07/14 19:37*	*1*
PCB-15L	*63*		*5 - 145*	*01/09/14 13:29*	*02/07/14 19:37*	*1*
PCB-19L	*54*		*5 - 145*	*01/09/14 13:29*	*02/07/14 19:37*	*1*
PCB-37L	*68*		*5 - 145*	*01/09/14 13:29*	*02/07/14 19:37*	*1*
PCB-54L	*41*	*q*	*5 - 145*	*01/09/14 13:29*	*02/07/14 19:37*	*1*
PCB-77L	*72*		*10 - 145*	*01/09/14 13:29*	*02/07/14 19:37*	*1*
PCB-81L	*71*		*10 - 145*	*01/09/14 13:29*	*02/07/14 19:37*	*1*
PCB-104L	*38*		*10 - 145*	*01/09/14 13:29*	*02/07/14 19:37*	*1*
PCB-105L	*65*		*10 - 145*	*01/09/14 13:29*	*02/07/14 19:37*	*1*
PCB-114L	*64*		*10 - 145*	*01/09/14 13:29*	*02/07/14 19:37*	*1*
PCB-118L	*65*		*10 - 145*	*01/09/14 13:29*	*02/07/14 19:37*	*1*
PCB-123L	*63*		*10 - 145*	*01/09/14 13:29*	*02/07/14 19:37*	*1*
PCB-126L	*70*		*10 - 145*	*01/09/14 13:29*	*02/07/14 19:37*	*1*
PCB-155L	*34*		*10 - 145*	*01/09/14 13:29*	*02/07/14 19:37*	*1*
PCB-156L/157L	*69*		*10 - 145*	*01/09/14 13:29*	*02/07/14 19:37*	*1*
PCB-167L	*65*		*10 - 145*	*01/09/14 13:29*	*02/07/14 19:37*	*1*
PCB-169L	*74*		*10 - 145*	*01/09/14 13:29*	*02/07/14 19:37*	*1*
PCB-188L	*39*		*10 - 145*	*01/09/14 13:29*	*02/07/14 19:37*	*1*
PCB-189L	*66*		*10 - 145*	*01/09/14 13:29*	*02/07/14 19:37*	*1*
PCB-202L	*50*		*10 - 145*	*01/09/14 13:29*	*02/07/14 19:37*	*1*
PCB-205L	*75*		*10 - 145*	*01/09/14 13:29*	*02/07/14 19:37*	*1*
PCB-206L	*78*		*10 - 145*	*01/09/14 13:29*	*02/07/14 19:37*	*1*
PCB-208L	*66*		*10 - 145*	*01/09/14 13:29*	*02/07/14 19:37*	*1*
PCB-209L	*77*		*10 - 145*	*01/09/14 13:29*	*02/07/14 19:37*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*75*		*5 - 145*	*01/09/14 13:29*	*02/07/14 19:37*	*1*

Client Sample ID: RINSATE

Lab Sample ID: 680-96723-14

Date Collected: 12/03/13 12:30
Date Received: 12/04/13 09:20

Matrix: Water

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-111L	*76*		*10 - 145*	*01/09/14 13:29*	*02/07/14 19:37*	*1*
PCB-178L	*82*		*10 - 145*	*01/09/14 13:29*	*02/07/14 19:37*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	6.0	U	10	6.0	ug/L		01/03/14 17:29	01/08/14 13:43	1
Aluminum	80	U	200	80	ug/L		01/03/14 17:29	01/08/14 13:43	1
Barium	**12**	J	50	4.0	ug/L		01/03/14 17:29	01/08/14 13:43	1
Beryllium	0.61	U	5.0	0.61	ug/L		01/03/14 17:29	01/08/14 13:43	1
Calcium	**25000**		1000	110	ug/L		01/03/14 17:29	01/08/14 13:43	1
Cadmium	0.91	U	5.0	0.91	ug/L		01/03/14 17:29	01/08/14 13:43	1
Cobalt	4.9	U	50	4.9	ug/L		01/03/14 17:29	01/08/14 13:43	1
Chromium	3.1	U	10	3.1	ug/L		01/03/14 17:29	01/08/14 13:43	1
Copper	4.6	U	25	4.6	ug/L		01/03/14 17:29	01/08/14 13:43	1
Iron	28	U	100	28	ug/L		01/03/14 17:29	01/08/14 13:43	1
Potassium	**2700**	J	5000	1700	ug/L		01/03/14 17:29	01/08/14 13:43	1
Magnesium	**7700**		1000	130	ug/L		01/03/14 17:29	01/08/14 13:43	1
Manganese	**7.5**	J	15	3.3	ug/L		01/03/14 17:29	01/08/14 13:43	1
Sodium	**15000**		1000	320	ug/L		01/03/14 17:29	01/08/14 13:43	1
Nickel	13	U	40	13	ug/L		01/03/14 17:29	01/08/14 13:43	1
Lead	**1.7**	J	10	1.5	ug/L		01/03/14 17:29	01/08/14 13:43	1
Antimony	4.0	U	10	4.0	ug/L		01/03/14 17:29	01/08/14 13:43	1
Selenium	2.7	U	15	2.7	ug/L		01/03/14 17:29	01/08/14 13:43	1
Titanium	**2.7**	J	20	2.4	ug/L		01/03/14 17:29	01/08/14 13:43	1
Vanadium	4.1	U	50	4.1	ug/L		01/03/14 17:29	01/08/14 13:43	1
Zinc	**53**	B	20	5.2	ug/L		01/03/14 17:29	01/08/14 13:43	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.2	U	10	1.2	ug/L		01/03/14 17:29	01/09/14 00:39	1
Niobium	**2.4**	J	25	2.2	ug/L		01/03/14 17:29	01/09/14 00:39	1
Thallium	**0.88**	J	2.0	0.55	ug/L		01/03/14 17:29	01/09/14 00:39	1
Uranium	0.23	U	1.0	0.23	ug/L		01/03/14 17:29	01/09/14 00:39	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.060	U	0.20	0.060	ug/L		12/06/13 11:35	12/06/13 15:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.35**		0.020	0.0040	mg/L			12/04/13 12:47	1
Chloride	**4.6**		0.20	0.020	mg/L			12/04/13 12:47	1
Sulfate	**5.3**		0.50	0.050	mg/L			12/04/13 12:47	1

Method: 900.0 - Gross Alpha and Gross Beta Radioactivity

Analyte	Result	Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Gross Alpha	0.331	U	3.00	1.82	pCi/L		12/31/13 12:16	01/02/14 18:28	1
Gross Beta	**1.16**		4.00	0.896	pCi/L		12/31/13 12:16	01/02/14 18:28	1

Client Sample Results

Client: GEI Consultants, Inc.
Project/Site: TIMET

TestAmerica Job ID: 680-96723-1

Client Sample ID: RINSATE

Lab Sample ID: 680-96723-14

Date Collected: 12/03/13 12:30
Date Received: 12/04/13 09:20

Matrix: Water

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Analyte	Result	Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Actinium 228	8.47	U		32.1	pCi/L		12/23/13 17:56	01/11/14 04:34	1
Bismuth-212	33.5	U		118	pCi/L		12/23/13 17:56	01/11/14 04:34	1
Bismuth-214	-7.62	U		27.5	pCi/L		12/23/13 17:56	01/11/14 04:34	1
Bismuth-210M	4.15	U		10.8	pCi/L		12/23/13 17:56	01/11/14 04:34	1
Cesium-134	3.35	U		10.2	pCi/L		12/23/13 17:56	01/11/14 04:34	1
Cesium-137	-0.251	U		11.4	pCi/L		12/23/13 17:56	01/11/14 04:34	1
Cobalt-57	2.08	U		5.84	pCi/L		12/23/13 17:56	01/11/14 04:34	1
Cobalt-60	-1.89	U		13.1	pCi/L		12/23/13 17:56	01/11/14 04:34	1
Lead-212	-6.05	U		19.8	pCi/L		12/23/13 17:56	01/11/14 04:34	1
Lead-214	6.52	U		23.4	pCi/L		12/23/13 17:56	01/11/14 04:34	1
Potassium-40	-27.5	U		151	pCi/L		12/23/13 17:56	01/11/14 04:34	1
Protactinium-231	-22.2	U		263	pCi/L		12/23/13 17:56	01/11/14 04:34	1
Protactinium-234	11.6	U		29.8	pCi/L		12/23/13 17:56	01/11/14 04:34	1
Radium-224	-44.1	U		200	pCi/L		12/23/13 17:56	01/11/14 04:34	1
Thallium-208	-1.21	U		11.5	pCi/L		12/23/13 17:56	01/11/14 04:34	1
Thorium-227	12.1	U		43.7	pCi/L		12/23/13 17:56	01/11/14 04:34	1
Thorium-231	-4.59	U		43.0	pCi/L		12/23/13 17:56	01/11/14 04:34	1
Thorium-234	25.5	U		184	pCi/L		12/23/13 17:56	01/11/14 04:34	1

Method: 903.0 - Total Alpha-Emitting Radium Isotopes by GFPC

Analyte	Result	Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Radium-226	**0.162**		1.00	0.129	pCi/L		12/05/13 13:16	12/27/13 09:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*102*		*40 - 110*	*12/05/13 13:16*	*12/27/13 09:49*	*1*

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Radium-228	**11.9**		1.00	0.367	pCi/L		12/05/13 13:32	12/24/13 11:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*102*		*40 - 110*	*12/05/13 13:32*	*12/24/13 11:52*	*1*
Y Carrier	*81.5*		*40 - 110*	*12/05/13 13:32*	*12/24/13 11:52*	*1*

Method: A-01-R - Isotopic Thorium (Alpha Spectrometry)

Analyte	Result	Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Thorium-228	-0.0349	U	1.00	0.244	pCi/L		01/22/14 08:57	01/23/14 22:10	1
Thorium-230	0.113	U	1.00	0.145	pCi/L		01/22/14 08:57	01/23/14 22:10	1
Thorium-232	0.0253	U	1.00	0.0759	pCi/L		01/22/14 08:57	01/23/14 22:10	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Thorium-229	*75.3*		*30 - 110*	*01/22/14 08:57*	*01/23/14 22:10*	*1*

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Analyte	Result	Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
U-238	0.000	U	1.00	0.0647	pCi/L		01/09/14 09:41	01/16/14 23:39	1
Uranium-235/236	-0.00504	U	1.00	0.122	pCi/L		01/09/14 09:41	01/16/14 23:39	1
Uranium-233/234	-0.00405	U	1.00	0.0984	pCi/L		01/09/14 09:41	01/16/14 23:39	1

Tracer	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*86.7*		*30 - 110*	*01/09/14 09:41*	*01/16/14 23:39*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 160-89913/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 98088 — **Prep Batch: 89913**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	1.0	U	10	1.0	ug/L		12/05/13 09:43	01/11/14 16:29	1
Acenaphthylene	1.0	U	10	1.0	ug/L		12/05/13 09:43	01/11/14 16:29	1
Anthracene	1.0	U	10	1.0	ug/L		12/05/13 09:43	01/11/14 16:29	1
Benzo[a]anthracene	1.0	U	10	1.0	ug/L		12/05/13 09:43	01/11/14 16:29	1
Benzo[b]fluoranthene	1.0	U	10	1.0	ug/L		12/05/13 09:43	01/11/14 16:29	1
Benzo[k]fluoranthene	1.0	U	10	1.0	ug/L		12/05/13 09:43	01/11/14 16:29	1
Benzo[g,h,i]perylene	1.0	U	10	1.0	ug/L		12/05/13 09:43	01/11/14 16:29	1
Benzo[a]pyrene	1.0	U	10	1.0	ug/L		12/05/13 09:43	01/11/14 16:29	1
Chrysene	1.0	U	10	1.0	ug/L		12/05/13 09:43	01/11/14 16:29	1
Dibenz(a,h)anthracene	1.0	U	10	1.0	ug/L		12/05/13 09:43	01/11/14 16:29	1
Fluoranthene	1.0	U	10	1.0	ug/L		12/05/13 09:43	01/11/14 16:29	1
Fluorene	1.0	U	10	1.0	ug/L		12/05/13 09:43	01/11/14 16:29	1
Indeno[1,2,3-cd]pyrene	1.0	U	10	1.0	ug/L		12/05/13 09:43	01/11/14 16:29	1
Naphthalene	1.0	U	10	1.0	ug/L		12/05/13 09:43	01/11/14 16:29	1
Phenanthrene	1.0	U	10	1.0	ug/L		12/05/13 09:43	01/11/14 16:29	1
Pyrene	1.0	U	10	1.0	ug/L		12/05/13 09:43	01/11/14 16:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*69*		*10 - 74*	*12/05/13 09:43*	*01/11/14 16:29*	*1*
2,4,6-Tribromophenol (Surr)	*80*		*47 - 103*	*12/05/13 09:43*	*01/11/14 16:29*	*1*
Nitrobenzene-d5 (Surr)	*73*		*31 - 105*	*12/05/13 09:43*	*01/11/14 16:29*	*1*
Phenol-d5 (Surr)	*56*	*X*	*10 - 50*	*12/05/13 09:43*	*01/11/14 16:29*	*1*
Terphenyl-d14 (Surr)	*80*		*68 - 116*	*12/05/13 09:43*	*01/11/14 16:29*	*1*
2-Fluorobiphenyl (Surr)	*70*		*30 - 99*	*12/05/13 09:43*	*01/11/14 16:29*	*1*

Lab Sample ID: LCS 160-89913/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 98088 — **Prep Batch: 89913**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	100	87.7		ug/L		88	55 - 92
Acenaphthylene	100	89.0		ug/L		89	56 - 93
Anthracene	100	90.4		ug/L		90	60 - 93
Benzo[a]anthracene	100	96.3		ug/L		96	72 - 106
Benzo[b]fluoranthene	100	94.1		ug/L		94	67 - 103
Benzo[k]fluoranthene	100	94.1		ug/L		94	66 - 107
Benzo[g,h,i]perylene	100	90.0		ug/L		90	63 - 117
Benzo[a]pyrene	100	95.1	*	ug/L		95	62 - 94
Chrysene	100	90.5		ug/L		90	64 - 94
Dibenz(a,h)anthracene	100	92.8		ug/L		93	66 - 110
Fluoranthene	100	94.5	*	ug/L		94	63 - 93
Fluorene	100	90.3	*	ug/L		90	60 - 89
Indeno[1,2,3-cd]pyrene	100	89.6		ug/L		90	64 - 112
Naphthalene	100	76.1		ug/L		76	52 - 88
Phenanthrene	100	90.9		ug/L		91	60 - 93
Pyrene	100	92.9		ug/L		93	58 - 102

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 160-89913/2-A
Matrix: Water
Analysis Batch: 98088

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 89913

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorophenol (Surr)	*71*		*10 - 74*
2,4,6-Tribromophenol (Surr)	*88*		*47 - 103*
Nitrobenzene-d5 (Surr)	*83*		*31 - 105*
Phenol-d5 (Surr)	*58*	*X*	*10 - 50*
Terphenyl-d14 (Surr)	*94*		*68 - 116*
2-Fluorobiphenyl (Surr)	*81*		*30 - 99*

Lab Sample ID: LCSD 160-89913/3-A
Matrix: Water
Analysis Batch: 98088

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 89913

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	100	87.8		ug/L		88	55 - 92	0	20
Acenaphthylene	100	89.0		ug/L		89	56 - 93	0	20
Anthracene	100	92.1		ug/L		92	60 - 93	2	20
Benzo[a]anthracene	100	98.7		ug/L		99	72 - 106	2	20
Benzo[b]fluoranthene	100	97.5		ug/L		97	67 - 103	4	20
Benzo[k]fluoranthene	100	96.1		ug/L		96	66 - 107	2	20
Benzo[g,h,i]perylene	100	91.2		ug/L		91	63 - 117	1	20
Benzo[a]pyrene	100	96.7	*	ug/L		97	62 - 94	2	20
Chrysene	100	91.0		ug/L		91	64 - 94	1	20
Dibenz(a,h)anthracene	100	94.5		ug/L		94	66 - 110	2	20
Fluoranthene	100	96.0	*	ug/L		96	63 - 93	2	20
Fluorene	100	90.3	*	ug/L		90	60 - 89	0	20
Indeno[1,2,3-cd]pyrene	100	93.4		ug/L		93	64 - 112	4	20
Naphthalene	100	78.0		ug/L		78	52 - 88	2	20
Phenanthrene	100	93.3		ug/L		93	60 - 93	3	20
Pyrene	100	95.0		ug/L		95	58 - 102	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorophenol (Surr)	*73*		*10 - 74*
2,4,6-Tribromophenol (Surr)	*89*		*47 - 103*
Nitrobenzene-d5 (Surr)	*86*		*31 - 105*
Phenol-d5 (Surr)	*59*	*X*	*10 - 50*
Terphenyl-d14 (Surr)	*91*		*68 - 116*
2-Fluorobiphenyl (Surr)	*82*		*30 - 99*

Lab Sample ID: MB 160-92253/1-A
Matrix: Solid
Analysis Batch: 95077

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 92253

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	33	U	330	33	ug/Kg		12/16/13 13:12	12/26/13 17:17	1
Acenaphthylene	33	U	330	33	ug/Kg		12/16/13 13:12	12/26/13 17:17	1
Anthracene	33	U	330	33	ug/Kg		12/16/13 13:12	12/26/13 17:17	1
Benzo[a]anthracene	33	U	330	33	ug/Kg		12/16/13 13:12	12/26/13 17:17	1
Benzo[b]fluoranthene	33	U	330	33	ug/Kg		12/16/13 13:12	12/26/13 17:17	1
Benzo[k]fluoranthene	33	U	330	33	ug/Kg		12/16/13 13:12	12/26/13 17:17	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 160-92253/1-A
Matrix: Solid
Analysis Batch: 95077

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 92253

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	33	U	330	33	ug/Kg		12/16/13 13:12	12/26/13 17:17	1
Benzo[a]pyrene	33	U	330	33	ug/Kg		12/16/13 13:12	12/26/13 17:17	1
Chrysene	33	U	330	33	ug/Kg		12/16/13 13:12	12/26/13 17:17	1
Dibenz(a,h)anthracene	33	U	330	33	ug/Kg		12/16/13 13:12	12/26/13 17:17	1
Fluoranthene	33	U	330	33	ug/Kg		12/16/13 13:12	12/26/13 17:17	1
Fluorene	33	U	330	33	ug/Kg		12/16/13 13:12	12/26/13 17:17	1
Indeno[1,2,3-cd]pyrene	33	U	330	33	ug/Kg		12/16/13 13:12	12/26/13 17:17	1
Naphthalene	33	U	330	33	ug/Kg		12/16/13 13:12	12/26/13 17:17	1
Phenanthrene	33	U	330	33	ug/Kg		12/16/13 13:12	12/26/13 17:17	1
Pyrene	33	U	330	33	ug/Kg		12/16/13 13:12	12/26/13 17:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*85*		*53 - 97*	*12/16/13 13:12*	*12/26/13 17:17*	*1*
2,4,6-Tribromophenol (Surr)	*86*		*46 - 111*	*12/16/13 13:12*	*12/26/13 17:17*	*1*
Nitrobenzene-d5 (Surr)	*82*		*55 - 98*	*12/16/13 13:12*	*12/26/13 17:17*	*1*
Phenol-d5 (Surr)	*87*		*54 - 101*	*12/16/13 13:12*	*12/26/13 17:17*	*1*
Terphenyl-d14 (Surr)	*80*		*58 - 123*	*12/16/13 13:12*	*12/26/13 17:17*	*1*
2-Fluorobiphenyl (Surr)	*85*		*56 - 97*	*12/16/13 13:12*	*12/26/13 17:17*	*1*

Lab Sample ID: LCS 160-92253/2-A
Matrix: Solid
Analysis Batch: 95077

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 92253

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	3330	2910		ug/Kg		87	63 - 95
Acenaphthylene	3330	2990		ug/Kg		90	62 - 98
Anthracene	3330	3040		ug/Kg		91	63 - 100
Benzo[a]anthracene	3330	3330		ug/Kg		100	74 - 114
Benzo[b]fluoranthene	3330	3480		ug/Kg		105	68 - 109
Benzo[k]fluoranthene	3330	3100		ug/Kg		93	69 - 111
Benzo[g,h,i]perylene	3330	2980		ug/Kg		90	67 - 121
Benzo[a]pyrene	3330	3310		ug/Kg		99	63 - 103
Chrysene	3330	3030		ug/Kg		91	66 - 100
Dibenz(a,h)anthracene	3330	3120		ug/Kg		93	67 - 114
Fluoranthene	3330	3130		ug/Kg		94	63 - 101
Fluorene	3330	2910		ug/Kg		87	62 - 96
Indeno[1,2,3-cd]pyrene	3330	3110		ug/Kg		93	65 - 120
Naphthalene	3330	2770		ug/Kg		83	60 - 90
Phenanthrene	3330	3060		ug/Kg		92	63 - 99
Pyrene	3330	3330		ug/Kg		100	64 - 102

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorophenol (Surr)	*80*		*53 - 97*
2,4,6-Tribromophenol (Surr)	*93*		*46 - 111*
Nitrobenzene-d5 (Surr)	*82*		*55 - 98*
Phenol-d5 (Surr)	*81*		*54 - 101*
Terphenyl-d14 (Surr)	*81*		*58 - 123*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 160-92253/2-A
Matrix: Solid
Analysis Batch: 95077

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 92253

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*86*		*56 - 97*

Lab Sample ID: 680-96723-8 MS
Matrix: Solid
Analysis Batch: 95077

Client Sample ID: DD-B-9_SS
Prep Type: Total/NA
Prep Batch: 92253

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	36	U	3570	3070		ug/Kg	☼	86	57 - 94
Acenaphthylene	36	U	3570	3130		ug/Kg	☼	88	57 - 97
Anthracene	36	U	3570	3260		ug/Kg	☼	91	58 - 99
Benzo[a]anthracene	36	U	3570	3640		ug/Kg	☼	102	68 - 114
Benzo[b]fluoranthene	36	U	3570	3590		ug/Kg	☼	100	63 - 107
Benzo[k]fluoranthene	36	U	3570	3150		ug/Kg	☼	88	65 - 108
Benzo[g,h,i]perylene	36	U	3570	4000		ug/Kg	☼	112	54 - 127
Benzo[a]pyrene	36	U	3570	3520		ug/Kg	☼	99	61 - 102
Chrysene	36	U	3570	3290		ug/Kg	☼	92	61 - 100
Dibenz(a,h)anthracene	36	U	3570	4080		ug/Kg	☼	114	59 - 118
Fluoranthene	36	U	3570	3340		ug/Kg	☼	93	58 - 103
Fluorene	36	U	3570	3210		ug/Kg	☼	90	58 - 97
Indeno[1,2,3-cd]pyrene	36	U	3570	4110		ug/Kg	☼	115	56 - 123
Naphthalene	36	U	3570	2790		ug/Kg	☼	78	52 - 86
Phenanthrene	36	U	3570	3280		ug/Kg	☼	92	60 - 98
Pyrene	36	U	3570	3660		ug/Kg	☼	102	53 - 106

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorophenol (Surr)	*76*		*53 - 97*
2,4,6-Tribromophenol (Surr)	*98*		*46 - 111*
Nitrobenzene-d5 (Surr)	*77*		*55 - 98*
Phenol-d5 (Surr)	*78*		*54 - 101*
Terphenyl-d14 (Surr)	*88*		*58 - 123*
2-Fluorobiphenyl (Surr)	*82*		*56 - 97*

Lab Sample ID: 680-96723-8 MSD
Matrix: Solid
Analysis Batch: 95077

Client Sample ID: DD-B-9_SS
Prep Type: Total/NA
Prep Batch: 92253

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	36	U	3570	3090		ug/Kg	☼	87	57 - 94	1	30
Acenaphthylene	36	U	3570	3140		ug/Kg	☼	88	57 - 97	0	30
Anthracene	36	U	3570	3230		ug/Kg	☼	90	58 - 99	1	30
Benzo[a]anthracene	36	U	3570	3610		ug/Kg	☼	101	68 - 114	1	30
Benzo[b]fluoranthene	36	U	3570	3510		ug/Kg	☼	98	63 - 107	2	30
Benzo[k]fluoranthene	36	U	3570	3160		ug/Kg	☼	89	65 - 108	0	30
Benzo[g,h,i]perylene	36	U	3570	4010		ug/Kg	☼	112	54 - 127	0	30
Benzo[a]pyrene	36	U	3570	3490		ug/Kg	☼	98	61 - 102	1	30
Chrysene	36	U	3570	3270		ug/Kg	☼	92	61 - 100	1	30
Dibenz(a,h)anthracene	36	U	3570	4070		ug/Kg	☼	114	59 - 118	0	30
Fluoranthene	36	U	3570	3320		ug/Kg	☼	93	58 - 103	0	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-96723-8 MSD — **Client Sample ID: DD-B-9_SS**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95077 — **Prep Batch: 92253**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluorene	36	U	3570	3220		ug/Kg	☼	90	58 - 97	0	30
Indeno[1,2,3-cd]pyrene	36	U	3570	4050		ug/Kg	☼	114	56 - 123	1	30
Naphthalene	36	U	3570	2700		ug/Kg	☼	76	52 - 86	3	30
Phenanthrene	36	U	3570	3270		ug/Kg	☼	92	60 - 98	0	30
Pyrene	36	U	3570	3620		ug/Kg	☼	101	53 - 106	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorophenol (Surr)	*74*		*53 - 97*
2,4,6-Tribromophenol (Surr)	*97*		*46 - 111*
Nitrobenzene-d5 (Surr)	*75*		*55 - 98*
Phenol-d5 (Surr)	*76*		*54 - 101*
Terphenyl-d14 (Surr)	*95*		*58 - 123*
2-Fluorobiphenyl (Surr)	*81*		*56 - 97*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Lab Sample ID: MB 320-32277/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 34242 — **Prep Batch: 32277**

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	6.13	J	20	0.21	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-2	1.59	J	20	0.21	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-3	1.32	J	20	0.23	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-4	8.4	U	20	8.4	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-5	3.3	U	20	3.3	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-6	3.4	U	20	3.4	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-7	3.1	U	20	3.1	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-8	3.3	U	20	3.3	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-9	3.5	U	20	3.5	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-10	5.2	U	20	5.2	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-11	3.5	U	20	3.5	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-12/13	3.5	U	40	3.5	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-14	2.9	U	20	2.9	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-15	3.5	U	20	3.5	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-16	0.70	U	20	0.70	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-17	0.49	U	20	0.49	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-18/30	0.42	U	40	0.42	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-19	0.61	U	20	0.61	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-20/28	0.614	J q	40	0.32	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-21/33	0.379	J q	40	0.30	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-22	0.34	U	20	0.34	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-23	0.29	U	20	0.29	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-24	0.36	U	20	0.36	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-25	0.30	U	20	0.30	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-26/29	0.30	U	40	0.30	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-27	0.37	U	20	0.37	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-31	0.744	J	20	0.30	pg/g		12/19/13 17:37	01/20/14 16:14	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-32277/1-A
Matrix: Solid
Analysis Batch: 34242

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32277

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-32	0.29	U	20	0.29	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-34	0.30	U	20	0.30	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-35	0.35	U	20	0.35	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-36	0.31	U	20	0.31	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-37	0.38	U	20	0.38	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-38	0.33	U	20	0.33	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-39	0.31	U	20	0.31	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-40/71	0.24	U	40	0.24	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-41	0.31	U	20	0.31	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-42	0.26	U	20	0.26	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-43	0.27	U	20	0.27	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-44/47/65	1.38	J	60	0.23	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-45	0.26	U	20	0.26	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-46	0.28	U	20	0.28	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-48	0.24	U	20	0.24	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-49/69	0.306	J	40	0.20	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-50/53	0.22	U	40	0.22	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-51	0.22	U	20	0.22	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-52	0.930	J q	20	0.25	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-54	0.20	U	20	0.20	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-55	0.25	U	20	0.25	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-56	0.27	U	20	0.27	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-57	0.24	U	20	0.24	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-58	0.24	U	20	0.24	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-59/62/75	0.17	U	60	0.17	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-60	0.26	U	20	0.26	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-61/70/74/76	0.967	J	80	0.24	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-63	0.23	U	20	0.23	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-64	0.244	J	20	0.16	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-66	0.27	U	20	0.27	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-67	0.23	U	20	0.23	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-68	0.22	U	20	0.22	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-72	0.24	U	20	0.24	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-73	0.19	U	20	0.19	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-77	0.31	U	2.0	0.31	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-78	0.28	U	20	0.28	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-79	0.24	U	20	0.24	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-80	0.23	U	20	0.23	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-81	0.29	U	2.0	0.29	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-82	0.26	U	20	0.26	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-83	0.28	U	20	0.28	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-84	0.23	U	20	0.23	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-85/116/117	0.17	U	60	0.17	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-86/87/97/108/119/125	0.269	J q	120	0.18	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-88/91	0.20	U	40	0.20	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-89	0.22	U	20	0.22	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-90/101/113	0.577	J	60	0.18	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-92	0.21	U	20	0.21	pg/g		12/19/13 17:37	01/20/14 16:14	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-32277/1-A
Matrix: Solid
Analysis Batch: 34242

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32277

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-93/100	0.20	U	40	0.20	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-107/124	0.16	U	40	0.16	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-94	0.21	U	20	0.21	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-95	0.421	J	20	0.19	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-96	0.12	U	20	0.12	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-98/102	0.18	U	40	0.18	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-99	0.21	U	20	0.21	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-103	0.18	U	20	0.18	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-104	0.12	U	20	0.12	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-105	0.19	U	2.0	0.19	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-106	0.18	U	20	0.18	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-110/115	0.588	J q	40	0.16	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-109	0.15	U	20	0.15	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-111	0.14	U	20	0.14	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-112	0.14	U	20	0.14	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-114	0.18	U	2.0	0.18	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-115	0.588	J q	40	0.16	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-118	0.427	J q	2.0	0.17	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-120	0.15	U	20	0.15	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-121	0.14	U	20	0.14	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-122	0.18	U	20	0.18	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-123	0.17	U	2.0	0.17	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-126	0.22	U	2.0	0.22	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-127	0.18	U	20	0.18	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-128/166	0.16	U	40	0.16	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-129/138/163	0.454	J q	60	0.17	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-130	0.22	U	20	0.22	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-131	0.21	U	20	0.21	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-132	0.19	U	20	0.19	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-133	0.19	U	20	0.19	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-134/143	0.20	U	40	0.20	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-135/151	0.17	U	40	0.17	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-136	0.13	U	20	0.13	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-137	0.17	U	20	0.17	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-139/140	0.16	U	40	0.16	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-141	0.18	U	20	0.18	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-142	0.19	U	20	0.19	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-144	0.17	U	20	0.17	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-145	0.12	U	20	0.12	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-146	0.18	U	20	0.18	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-147/149	0.285	J q	40	0.17	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-148	0.17	U	20	0.17	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-150	0.11	U	20	0.11	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-152	0.12	U	20	0.12	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-153/168	0.283	J q	40	0.14	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-154	0.15	U	20	0.15	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-155	0.14	U	20	0.14	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-156/157	0.22	U	4.0	0.22	pg/g		12/19/13 17:37	01/20/14 16:14	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-32277/1-A
Matrix: Solid
Analysis Batch: 34242

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32277

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-158	0.13	U	20	0.13	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-159	0.19	U	20	0.19	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-160	0.15	U	20	0.15	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-161	0.13	U	20	0.13	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-162	0.18	U	20	0.18	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-164	0.14	U	20	0.14	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-165	0.15	U	20	0.15	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-167	0.18	U	2.0	0.18	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-169	0.20	U	2.0	0.20	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-170	0.18	U	20	0.18	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-171/173	0.16	U	40	0.16	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-172	0.17	U	20	0.17	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-174	0.17	U	20	0.17	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-175	0.18	U	20	0.18	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-176	0.12	U	20	0.12	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-177	0.17	U	20	0.17	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-178	0.18	U	20	0.18	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-179	0.13	U	20	0.13	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-180/193	0.240	J	40	0.14	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-181	0.14	U	20	0.14	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-182	0.16	U	20	0.16	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-183	0.13	U	20	0.13	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-184	0.13	U	20	0.13	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-185	0.15	U	20	0.15	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-186	0.12	U	20	0.12	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-187	0.17	U	20	0.17	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-188	0.15	U	20	0.15	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-189	0.19	U	2.0	0.19	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-190	0.13	U	20	0.13	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-191	0.12	U	20	0.12	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-192	0.13	U	20	0.13	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-194	0.18	U	20	0.18	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-195	0.17	U	20	0.17	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-196	0.18	U	20	0.18	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-197	0.12	U	20	0.12	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-198/199	0.19	U	40	0.19	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-200	0.13	U	20	0.13	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-201	0.12	U	20	0.12	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-202	0.16	U	20	0.16	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-203	0.17	U	20	0.17	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-204	0.13	U	20	0.13	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-205	0.11	U	20	0.11	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-206	0.15	U	20	0.15	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-207	0.11	U	20	0.11	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-208	0.14	U	20	0.14	pg/g		12/19/13 17:37	01/20/14 16:14	1
PCB-209	0.959	J	20	0.12	pg/g		12/19/13 17:37	01/20/14 16:14	1
Total Monochlorobiphenyls	9.04	J	200	0.22	pg/g		12/19/13 17:37	01/20/14 16:14	1
Total Dichlorobiphenyls	8.4	U	200	8.4	pg/g		12/19/13 17:37	01/20/14 16:14	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-32277/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 34242 — **Prep Batch: 32277**

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Trichlorobiphenyls	1.74	J q	200	0.37	pg/g		12/19/13 17:37	01/20/14 16:14	1
Total Tetrachlorobiphenyls	3.83	J q	200	0.24	pg/g		12/19/13 17:37	01/20/14 16:14	1
Total Pentachlorobiphenyls	2.28	J q	200	0.18	pg/g		12/19/13 17:37	01/20/14 16:14	1
Total Hexachlorobiphenyls	1.02	J q	200	0.17	pg/g		12/19/13 17:37	01/20/14 16:14	1
Total Heptachlorobiphenyls	0.240	J	200	0.15	pg/g		12/19/13 17:37	01/20/14 16:14	1
Total Octachlorobiphenyls	0.19	U	200	0.19	pg/g		12/19/13 17:37	01/20/14 16:14	1
Total Nonachlorobiphenyls	0.15	U	200	0.15	pg/g		12/19/13 17:37	01/20/14 16:14	1
Polychlorinated biphenyls, Total	19.1	J q	200	1.0	pg/g		12/19/13 17:37	01/20/14 16:14	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-4L	*44*		*5 - 145*	*12/19/13 17:37*	*01/20/14 16:14*	*1*
PCB-15L	*56*		*5 - 145*	*12/19/13 17:37*	*01/20/14 16:14*	*1*
PCB-123L	*72*		*10 - 145*	*12/19/13 17:37*	*01/20/14 16:14*	*1*
PCB-114L	*71*		*10 - 145*	*12/19/13 17:37*	*01/20/14 16:14*	*1*
PCB-3L	*45*		*5 - 145*	*12/19/13 17:37*	*01/20/14 16:14*	*1*
PCB-118L	*73*		*10 - 145*	*12/19/13 17:37*	*01/20/14 16:14*	*1*
PCB-126L	*80*		*10 - 145*	*12/19/13 17:37*	*01/20/14 16:14*	*1*
PCB-202L	*67*		*10 - 145*	*12/19/13 17:37*	*01/20/14 16:14*	*1*
PCB-169L	*97*		*10 - 145*	*12/19/13 17:37*	*01/20/14 16:14*	*1*
PCB-206L	*87*		*10 - 145*	*12/19/13 17:37*	*01/20/14 16:14*	*1*
PCB-37L	*59*		*5 - 145*	*12/19/13 17:37*	*01/20/14 16:14*	*1*
PCB-19L	*56*		*5 - 145*	*12/19/13 17:37*	*01/20/14 16:14*	*1*
PCB-188L	*50*		*10 - 145*	*12/19/13 17:37*	*01/20/14 16:14*	*1*
PCB-54L	*44*		*5 - 145*	*12/19/13 17:37*	*01/20/14 16:14*	*1*
PCB-156L/157L	*85*		*10 - 145*	*12/19/13 17:37*	*01/20/14 16:14*	*1*
PCB-167L	*82*		*10 - 145*	*12/19/13 17:37*	*01/20/14 16:14*	*1*
PCB-209L	*85*		*10 - 145*	*12/19/13 17:37*	*01/20/14 16:14*	*1*
PCB-189L	*76*		*10 - 145*	*12/19/13 17:37*	*01/20/14 16:14*	*1*
PCB-105L	*73*		*10 - 145*	*12/19/13 17:37*	*01/20/14 16:14*	*1*
PCB-208L	*84*		*10 - 145*	*12/19/13 17:37*	*01/20/14 16:14*	*1*
PCB-1L	*40*		*5 - 145*	*12/19/13 17:37*	*01/20/14 16:14*	*1*
PCB-104L	*52*		*10 - 145*	*12/19/13 17:37*	*01/20/14 16:14*	*1*
PCB-81L	*72*		*10 - 145*	*12/19/13 17:37*	*01/20/14 16:14*	*1*
PCB-77L	*71*		*10 - 145*	*12/19/13 17:37*	*01/20/14 16:14*	*1*
PCB-205L	*86*		*10 - 145*	*12/19/13 17:37*	*01/20/14 16:14*	*1*
PCB-155L	*51*		*10 - 145*	*12/19/13 17:37*	*01/20/14 16:14*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*50*		*5 - 145*	*12/19/13 17:37*	*01/20/14 16:14*	*1*
PCB-111L	*71*		*10 - 145*	*12/19/13 17:37*	*01/20/14 16:14*	*1*
PCB-178L	*77*		*10 - 145*	*12/19/13 17:37*	*01/20/14 16:14*	*1*

Lab Sample ID: LCS 320-32277/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 34242 — **Prep Batch: 32277**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1	200	218		pg/g		109	60 - 135

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-32277/2-A
Matrix: Solid
Analysis Batch: 34242

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32277

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-3	200	211		pg/g		106	60 - 135
PCB-4	200	208		pg/g		104	60 - 135
PCB-15	200	223		pg/g		112	60 - 135
PCB-19	200	203		pg/g		101	60 - 135
PCB-37	200	208		pg/g		104	60 - 135
PCB-54	200	199		pg/g		100	60 - 135
PCB-77	200	218		pg/g		109	60 - 135
PCB-81	200	211		pg/g		105	60 - 135
PCB-104	200	202		pg/g		101	60 - 135
PCB-105	200	212		pg/g		106	60 - 135
PCB-114	200	214		pg/g		107	60 - 135
PCB-118	200	221		pg/g		110	60 - 135
PCB-123	200	207		pg/g		104	60 - 135
PCB-126	200	212		pg/g		106	60 - 135
PCB-155	200	217		pg/g		108	60 - 135
PCB-156/157	400	424		pg/g		106	60 - 135
PCB-167	200	208	G	pg/g		104	60 - 135
PCB-169	200	209	G	pg/g		104	60 - 135
PCB-188	200	215		pg/g		107	60 - 135
PCB-189	200	218		pg/g		109	60 - 135
PCB-202	200	219		pg/g		109	60 - 135
PCB-205	200	201		pg/g		100	60 - 135
PCB-206	200	208		pg/g		104	60 - 135
PCB-208	200	207		pg/g		103	60 - 135
PCB-209	200	205		pg/g		103	60 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
PCB-4L	*39*		*15 - 145*
PCB-15L	*51*		*15 - 145*
PCB-123L	*82*		*40 - 145*
PCB-114L	*83*		*40 - 145*
PCB-3L	*38*		*15 - 145*
PCB-118L	*84*		*40 - 145*
PCB-126L	*90*		*40 - 145*
PCB-202L	*67*		*40 - 145*
PCB-169L	*86*		*40 - 145*
PCB-206L	*85*		*40 - 145*
PCB-37L	*54*		*15 - 145*
PCB-19L	*45*		*15 - 145*
PCB-188L	*55*		*40 - 145*
PCB-54L	*56*		*15 - 145*
PCB-156L/157L	*77*		*40 - 145*
PCB-167L	*76*		*40 - 145*
PCB-209L	*83*		*40 - 145*
PCB-189L	*74*		*40 - 145*
PCB-105L	*85*		*40 - 145*
PCB-208L	*79*		*40 - 145*
PCB-1L	*30*		*15 - 145*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-32277/2-A
Matrix: Solid
Analysis Batch: 34242

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32277

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
PCB-104L	*51*		*40 - 145*
PCB-81L	*70*		*40 - 145*
PCB-77L	*70*		*40 - 145*
PCB-205L	*82*		*40 - 145*
PCB-155L	*50*		*40 - 145*

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
PCB-28L	*63*		*5 - 145*
PCB-111L	*79*		*10 - 145*
PCB-178L	*76*		*10 - 145*

Lab Sample ID: MB 320-32864/1-A
Matrix: Solid
Analysis Batch: 35734

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32864

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	9.81	J	20	0.56	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-2	2.45	J q	20	0.51	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-3	1.77	J	20	0.48	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-4	24	U G	24	24	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-5	13	U	20	13	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-6	13	U	20	13	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-7	13	U	20	13	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-8	13	U	20	13	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-9	14	U	20	14	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-10	9.8	U	20	9.8	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-11	14	U	20	14	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-12/13	14	U	40	14	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-14	12	U	20	12	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-15	11	U	20	11	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-16	1.6	U	20	1.6	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-17	1.1	U	20	1.1	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-18/30	0.96	U	40	0.96	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-19	1.4	U	20	1.4	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-20/28	1.10	J	40	0.37	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-21/33	0.690	J q	40	0.34	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-22	0.39	U	20	0.39	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-23	0.33	U	20	0.33	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-24	0.83	U	20	0.83	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-25	0.34	U	20	0.34	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-26/29	0.35	U	40	0.35	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-27	0.84	U	20	0.84	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-31	0.660	J q	20	0.34	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-32	0.65	U	20	0.65	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-34	0.35	U	20	0.35	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-35	0.40	U	20	0.40	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-36	0.35	U	20	0.35	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-37	0.42	U	20	0.42	pg/g		12/30/13 13:50	02/07/14 17:06	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-32864/1-A
Matrix: Solid
Analysis Batch: 35734

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32864

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-38	0.38	U	20	0.38	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-39	0.35	U	20	0.35	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-40/71	0.28	U	40	0.28	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-41	0.37	U	20	0.37	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-42	0.31	U	20	0.31	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-43	0.32	U	20	0.32	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-44/47/65	1.51	J q	60	0.27	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-45	0.32	U	20	0.32	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-46	0.34	U	20	0.34	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-48	0.29	U	20	0.29	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-49/69	0.23	U	40	0.23	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-50/53	0.26	U	40	0.26	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-51	0.26	U	20	0.26	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-52	1.02	J q	20	0.29	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-54	0.63	U	20	0.63	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-55	0.44	U	20	0.44	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-56	0.48	U	20	0.48	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-57	0.43	U	20	0.43	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-58	0.43	U	20	0.43	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-59/62/75	0.21	U	60	0.21	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-60	0.46	U	20	0.46	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-61/70/74/76	0.682	J q	80	0.43	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-63	0.40	U	20	0.40	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-64	0.20	U	20	0.20	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-66	0.48	U	20	0.48	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-67	0.40	U	20	0.40	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-68	0.39	U	20	0.39	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-72	0.42	U	20	0.42	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-73	0.22	U	20	0.22	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-77	0.51	U	2.0	0.51	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-78	0.49	U	20	0.49	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-79	0.42	U	20	0.42	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-80	0.41	U	20	0.41	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-81	0.49	U	2.0	0.49	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-82	0.56	U	20	0.56	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-83	0.60	U	20	0.60	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-84	0.50	U	20	0.50	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-85/116/117	0.37	U	60	0.37	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-86/87/97/108/119/125	0.539	J	120	0.38	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-88/91	0.42	U	40	0.42	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-89	0.48	U	20	0.48	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-90/101/113	0.957	J	60	0.39	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-92	0.45	U	20	0.45	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-93/100	0.43	U	40	0.43	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-107/124	0.35	U	40	0.35	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-94	0.45	U	20	0.45	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-95	0.660	J	20	0.42	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-96	0.18	U	20	0.18	pg/g		12/30/13 13:50	02/07/14 17:06	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-32864/1-A
Matrix: Solid
Analysis Batch: 35734

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32864

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-98/102	0.40	U	40	0.40	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-99	0.466	J q	20	0.45	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-103	0.39	U	20	0.39	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-104	0.20	U	20	0.20	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-105	0.39	U	2.0	0.39	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-106	0.38	U	20	0.38	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-110/115	0.892	J	40	0.34	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-109	0.33	U	20	0.33	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-111	0.31	U	20	0.31	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-112	0.30	U	20	0.30	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-114	0.37	U	2.0	0.37	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-115	0.892	J	40	0.34	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-118	0.507	J q	2.0	0.36	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-120	0.33	U	20	0.33	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-121	0.31	U	20	0.31	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-122	0.39	U	20	0.39	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-123	0.36	U	2.0	0.36	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-126	0.43	U	2.0	0.43	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-127	0.38	U	20	0.38	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-128/166	0.36	U	40	0.36	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-129/138/163	0.694	J q	60	0.38	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-130	0.48	U	20	0.48	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-131	0.46	U	20	0.46	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-132	0.43	U	20	0.43	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-133	0.43	U	20	0.43	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-134/143	0.43	U	40	0.43	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-135/151	0.38	U	40	0.38	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-136	0.28	U	20	0.28	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-137	0.38	U	20	0.38	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-139/140	0.36	U	40	0.36	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-141	0.41	U	20	0.41	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-142	0.42	U	20	0.42	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-144	0.38	U	20	0.38	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-145	0.27	U	20	0.27	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-146	0.40	U	20	0.40	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-147/149	0.562	J	40	0.37	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-148	0.37	U	20	0.37	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-150	0.25	U	20	0.25	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-152	0.26	U	20	0.26	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-153/168	0.509	J q	40	0.32	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-154	0.33	U	20	0.33	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-155	0.30	U	20	0.30	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-156/157	0.36	U	4.0	0.36	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-158	0.29	U	20	0.29	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-159	0.30	U	20	0.30	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-160	0.33	U	20	0.33	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-161	0.29	U	20	0.29	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-162	0.29	U	20	0.29	pg/g		12/30/13 13:50	02/07/14 17:06	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-32864/1-A
Matrix: Solid
Analysis Batch: 35734

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32864

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-164	0.32	U	20	0.32	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-165	0.33	U	20	0.33	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-167	0.28	U	2.0	0.28	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-169	0.32	U	2.0	0.32	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-170	0.26	U	20	0.26	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-171/173	0.24	U	40	0.24	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-172	0.25	U	20	0.25	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-174	0.24	U	20	0.24	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-175	0.39	U	20	0.39	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-176	0.26	U	20	0.26	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-177	0.24	U	20	0.24	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-178	0.41	U	20	0.41	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-179	0.29	U	20	0.29	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-180/193	0.20	U	40	0.20	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-181	0.20	U	20	0.20	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-182	0.37	U	20	0.37	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-183	0.18	U	20	0.18	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-184	0.29	U	20	0.29	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-185	0.22	U	20	0.22	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-186	0.28	U	20	0.28	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-187	0.38	U	20	0.38	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-188	0.31	U	20	0.31	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-189	0.28	U	2.0	0.28	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-190	0.18	U	20	0.18	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-191	0.18	U	20	0.18	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-192	0.18	U	20	0.18	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-194	0.36	U	20	0.36	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-195	0.33	U	20	0.33	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-196	0.24	U	20	0.24	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-197	0.16	U	20	0.16	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-198/199	0.25	U	40	0.25	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-200	0.16	U	20	0.16	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-201	0.16	U	20	0.16	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-202	0.21	U	20	0.21	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-203	0.22	U	20	0.22	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-204	0.17	U	20	0.17	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-205	0.23	U	20	0.23	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-206	0.25	U	20	0.25	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-207	0.19	U	20	0.19	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-208	0.24	U	20	0.24	pg/g		12/30/13 13:50	02/07/14 17:06	1
PCB-209	1.73	J	20	0.20	pg/g		12/30/13 13:50	02/07/14 17:06	1
Total Monochlorobiphenyls	14.0	J q	200	0.52	pg/g		12/30/13 13:50	02/07/14 17:06	1
Total Dichlorobiphenyls	24	U	200	24	pg/g		12/30/13 13:50	02/07/14 17:06	1
Total Trichlorobiphenyls	2.45	J q	200	0.61	pg/g		12/30/13 13:50	02/07/14 17:06	1
Total Tetrachlorobiphenyls	3.21	J q	200	0.37	pg/g		12/30/13 13:50	02/07/14 17:06	1
Total Pentachlorobiphenyls	4.02	J q	200	0.39	pg/g		12/30/13 13:50	02/07/14 17:06	1
Total Hexachlorobiphenyls	1.76	J q	200	0.35	pg/g		12/30/13 13:50	02/07/14 17:06	1
Total Heptachlorobiphenyls	0.41	U	200	0.41	pg/g		12/30/13 13:50	02/07/14 17:06	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-32864/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35734 — **Prep Batch: 32864**

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Octachlorobiphenyls	0.36	U	200	0.36	pg/g		12/30/13 13:50	02/07/14 17:06	1
Total Nonachlorobiphenyls	0.25	U	200	0.25	pg/g		12/30/13 13:50	02/07/14 17:06	1
Polychlorinated biphenyls, Total	27.2	J q	200	2.7	pg/g		12/30/13 13:50	02/07/14 17:06	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-4L	*38*		*5 - 145*	*12/30/13 13:50*	*02/07/14 17:06*	*1*
PCB-15L	*55*		*5 - 145*	*12/30/13 13:50*	*02/07/14 17:06*	*1*
PCB-123L	*75*		*10 - 145*	*12/30/13 13:50*	*02/07/14 17:06*	*1*
PCB-114L	*73*		*10 - 145*	*12/30/13 13:50*	*02/07/14 17:06*	*1*
PCB-3L	*43*		*5 - 145*	*12/30/13 13:50*	*02/07/14 17:06*	*1*
PCB-118L	*74*		*10 - 145*	*12/30/13 13:50*	*02/07/14 17:06*	*1*
PCB-126L	*80*		*10 - 145*	*12/30/13 13:50*	*02/07/14 17:06*	*1*
PCB-202L	*73*		*10 - 145*	*12/30/13 13:50*	*02/07/14 17:06*	*1*
PCB-169L	*90*		*10 - 145*	*12/30/13 13:50*	*02/07/14 17:06*	*1*
PCB-206L	*91*		*10 - 145*	*12/30/13 13:50*	*02/07/14 17:06*	*1*
PCB-37L	*65*		*5 - 145*	*12/30/13 13:50*	*02/07/14 17:06*	*1*
PCB-19L	*46*		*5 - 145*	*12/30/13 13:50*	*02/07/14 17:06*	*1*
PCB-188L	*65*		*10 - 145*	*12/30/13 13:50*	*02/07/14 17:06*	*1*
PCB-54L	*46*		*5 - 145*	*12/30/13 13:50*	*02/07/14 17:06*	*1*
PCB-156L/157L	*83*		*10 - 145*	*12/30/13 13:50*	*02/07/14 17:06*	*1*
PCB-167L	*82*		*10 - 145*	*12/30/13 13:50*	*02/07/14 17:06*	*1*
PCB-209L	*88*		*10 - 145*	*12/30/13 13:50*	*02/07/14 17:06*	*1*
PCB-189L	*83*		*10 - 145*	*12/30/13 13:50*	*02/07/14 17:06*	*1*
PCB-105L	*75*		*10 - 145*	*12/30/13 13:50*	*02/07/14 17:06*	*1*
PCB-208L	*87*		*10 - 145*	*12/30/13 13:50*	*02/07/14 17:06*	*1*
PCB-1L	*35*		*5 - 145*	*12/30/13 13:50*	*02/07/14 17:06*	*1*
PCB-104L	*50*		*10 - 145*	*12/30/13 13:50*	*02/07/14 17:06*	*1*
PCB-81L	*75*		*10 - 145*	*12/30/13 13:50*	*02/07/14 17:06*	*1*
PCB-77L	*75*		*10 - 145*	*12/30/13 13:50*	*02/07/14 17:06*	*1*
PCB-205L	*90*		*10 - 145*	*12/30/13 13:50*	*02/07/14 17:06*	*1*
PCB-155L	*58*		*10 - 145*	*12/30/13 13:50*	*02/07/14 17:06*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*58*		*5 - 145*	*12/30/13 13:50*	*02/07/14 17:06*	*1*
PCB-111L	*71*		*10 - 145*	*12/30/13 13:50*	*02/07/14 17:06*	*1*
PCB-178L	*81*		*10 - 145*	*12/30/13 13:50*	*02/07/14 17:06*	*1*

Lab Sample ID: LCS 320-32864/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35734 — **Prep Batch: 32864**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1	200	204		pg/g		102	60 - 135
PCB-3	200	199		pg/g		100	60 - 135
PCB-4	200	212		pg/g		106	60 - 135
PCB-15	200	199		pg/g		99	60 - 135
PCB-19	200	210		pg/g		105	60 - 135
PCB-37	200	199		pg/g		99	60 - 135

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-32864/2-A
Matrix: Solid
Analysis Batch: 35734

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32864

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-54	200	204		pg/g		102	60 - 135
PCB-77	200	199		pg/g		99	60 - 135
PCB-81	200	209		pg/g		105	60 - 135
PCB-104	200	206		pg/g		103	60 - 135
PCB-105	200	207		pg/g		104	60 - 135
PCB-114	200	202		pg/g		101	60 - 135
PCB-118	200	210		pg/g		105	60 - 135
PCB-123	200	201		pg/g		100	60 - 135
PCB-126	200	206		pg/g		103	60 - 135
PCB-155	200	209		pg/g		104	60 - 135
PCB-156/157	400	408		pg/g		102	60 - 135
PCB-167	200	203		pg/g		101	60 - 135
PCB-169	200	199		pg/g		100	60 - 135
PCB-188	200	206		pg/g		103	60 - 135
PCB-189	200	205		pg/g		103	60 - 135
PCB-202	200	208		pg/g		104	60 - 135
PCB-205	200	198		pg/g		99	60 - 135
PCB-206	200	201		pg/g		100	60 - 135
PCB-208	200	199		pg/g		100	60 - 135
PCB-209	200	202		pg/g		101	60 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
PCB-4L	*32*		*15 - 145*
PCB-15L	*39*		*15 - 145*
PCB-123L	*45*		*40 - 145*
PCB-114L	*45*		*40 - 145*
PCB-3L	*36*		*15 - 145*
PCB-118L	*45*		*40 - 145*
PCB-126L	*52*		*40 - 145*
PCB-202L	*46*		*40 - 145*
PCB-169L	*61*		*40 - 145*
PCB-206L	*63*		*40 - 145*
PCB-37L	*40*		*15 - 145*
PCB-19L	*34*		*15 - 145*
PCB-188L	*39*	*	*40 - 145*
PCB-54L	*32*		*15 - 145*
PCB-156L/157L	*55*		*40 - 145*
PCB-167L	*52*		*40 - 145*
PCB-209L	*63*		*40 - 145*
PCB-189L	*56*		*40 - 145*
PCB-105L	*47*		*40 - 145*
PCB-208L	*58*		*40 - 145*
PCB-1L	*31*		*15 - 145*
PCB-104L	*33*	*	*40 - 145*
PCB-81L	*42*		*40 - 145*
PCB-77L	*45*		*40 - 145*
PCB-205L	*62*		*40 - 145*
PCB-155L	*35*	*	*40 - 145*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-32864/2-A
Matrix: Solid
Analysis Batch: 35734

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32864

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
PCB-28L	*50*		*5 - 145*
PCB-111L	*57*		*10 - 145*
PCB-178L	*66*		*10 - 145*

Lab Sample ID: 680-96723-1 MS
Matrix: Solid
Analysis Batch: 35735

Client Sample ID: P-B-7_SS
Prep Type: Total/NA
Prep Batch: 32864

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1	69	J B	418	519		pg/g	☼	108	60 - 135
PCB-3	74	J B	418	534		pg/g	☼	110	60 - 135
PCB-4	180	U	418	608	F1	pg/g	☼	145	60 - 135
PCB-15	330	J	418	727		pg/g	☼	95	60 - 135
PCB-19	19	U	418	525		pg/g	☼	126	60 - 135
PCB-37	520		418	576	F1	pg/g	☼	14	60 - 135
PCB-54	7.2	U	418	463		pg/g	☼	111	60 - 135
PCB-77	600	G	418	1020	G	pg/g	☼	100	60 - 135
PCB-81	93	U G	418	463	G	pg/g	☼	111	60 - 135
PCB-104	4.8	U	418	503		pg/g	☼	120	60 - 135
PCB-105	24000	G	418	20500	4 G	pg/g	☼	-929	60 - 135
PCB-114	710	G	418	1020	G	pg/g	☼	76	60 - 135
PCB-118	50000	E B G	418	37800	4 G	pg/g	☼	-3004	60 - 135
PCB-123	490	q G	418	876	G	pg/g	☼	92	60 - 135
PCB-126	550	U G	418	948	G	pg/g	☼	NC	60 - 135
PCB-155	81	U	418	453		pg/g	☼	108	60 - 135
PCB-156/157	9100		837	7900	4	pg/g	☼	-140	60 - 135
PCB-167	2400	G	418	2490	4 G	pg/g	☼	26	60 - 135
PCB-169	53	U G	418	452	G	pg/g	☼	108	60 - 135
PCB-188	11	J	418	502		pg/g	☼	117	60 - 135
PCB-189	250		418	710		pg/g	☼	109	60 - 135
PCB-202	88	J	418	650		pg/g	☼	134	60 - 135
PCB-205	45	J q	418	554		pg/g	☼	122	60 - 135
PCB-206	620		418	1530	F1	pg/g	☼	217	60 - 135
PCB-208	580		418	1410	F1	pg/g	☼	197	60 - 135
PCB-209	58000	E B	418	83900	E 4	pg/g	☼	6117	60 - 135

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
PCB-4L	*28*		*5 - 145*
PCB-15L	*35*		*5 - 145*
PCB-123L	*49*		*10 - 145*
PCB-114L	*45*		*10 - 145*
PCB-202L	*44*		*10 - 145*
PCB-3L	*34*		*5 - 145*
PCB-118L	*53*		*10 - 145*
PCB-126L	*54*		*10 - 145*
PCB-206L	*51*		*10 - 145*
PCB-169L	*63*		*10 - 145*
PCB-37L	*35*		*5 - 145*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: 680-96723-1 MS
Matrix: Solid
Analysis Batch: 35735

Client Sample ID: P-B-7_SS
Prep Type: Total/NA
Prep Batch: 32864

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
PCB-19L	*26*		*5 - 145*
PCB-188L	*37*		*10 - 145*
PCB-54L	*26*		*5 - 145*
PCB-156L/157L	*57*		*10 - 145*
PCB-167L	*53*	*q*	*10 - 145*
PCB-209L	*59*		*10 - 145*
PCB-189L	*49*		*10 - 145*
PCB-105L	*50*		*10 - 145*
PCB-208L	*48*		*10 - 145*
PCB-1L	*30*		*5 - 145*
PCB-104L	*28*		*10 - 145*
PCB-81L	*50*		*10 - 145*
PCB-77L	*55*		*10 - 145*
PCB-205L	*51*		*10 - 145*
PCB-155L	*36*		*10 - 145*

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
PCB-28L	*62*		*5 - 145*
PCB-111L	*67*		*10 - 145*
PCB-178L	*84*		*10 - 145*

Lab Sample ID: 680-96723-1 MSD
Matrix: Solid
Analysis Batch: 35735

Client Sample ID: P-B-7_SS
Prep Type: Total/NA
Prep Batch: 32864

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1	69	J B	425	504		pg/g	☼	103	60 - 135	3	50
PCB-3	74	J B	425	498		pg/g	☼	100	60 - 135	7	50
PCB-4	180	U	425	534		pg/g	☼	126	60 - 135	13	50
PCB-15	330	J	425	873		pg/g	☼	127	60 - 135	18	50
PCB-19	19	U	425	506		pg/g	☼	119	60 - 135	4	50
PCB-37	520		425	1180	F1 F2	pg/g	☼	156	60 - 135	69	50
PCB-54	7.2	U	425	381	J	pg/g	☼	90	60 - 135	19	50
PCB-77	600	G	425	991	G	pg/g	☼	92	60 - 135	3	50
PCB-81	93	U G	425	411	G	pg/g	☼	97	60 - 135	12	50
PCB-104	4.8	U	425	484		pg/g	☼	114	60 - 135	4	50
PCB-105	24000	G	425	17200	4 G	pg/g	☼	-1696	60 - 135	18	50
PCB-114	710	G	425	861	F1 G	pg/g	☼	36	60 - 135	17	50
PCB-118	50000	E B G	425	33600	4 G	pg/g	☼	-3930	60 - 135	12	50
PCB-123	490	q G	425	741	F1 G	pg/g	☼	59	60 - 135	17	50
PCB-126	550	U G	425	811	G	pg/g	☼	NC	60 - 135	16	50
PCB-155	81	U	425	384	J	pg/g	☼	90	60 - 135	16	50
PCB-156/157	9100		850	7050	4	pg/g	☼	-238	60 - 135	11	50
PCB-167	2400	G	425	2100	4	pg/g	☼	-66	60 - 135	17	50
PCB-169	53	U G	425	424	G	pg/g	☼	100	60 - 135	6	50
PCB-188	11	J	425	453		pg/g	☼	104	60 - 135	10	50
PCB-189	250		425	636		pg/g	☼	90	60 - 135	11	50
PCB-202	88	J	425	516		pg/g	☼	101	60 - 135	23	50

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: 680-96723-1 MSD — **Client Sample ID: P-B-7_SS**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35735 — **Prep Batch: 32864**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-205	45	J q	425	452		pg/g	☼	96	60 - 135	20	50
PCB-206	620		425	1090		pg/g	☼	111	60 - 135	33	50
PCB-208	580		425	997		pg/g	☼	98	60 - 135	34	50
PCB-209	58000	E B	425	55300	E 4	pg/g	☼	-692	60 - 135	41	50

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
PCB-4L	*33*		*5 - 145*
PCB-15L	*45*		*5 - 145*
PCB-123L	*79*		*10 - 145*
PCB-114L	*82*		*10 - 145*
PCB-202L	*77*		*10 - 145*
PCB-3L	*39*		*5 - 145*
PCB-118L	*80*		*10 - 145*
PCB-126L	*91*		*10 - 145*
PCB-206L	*87*		*10 - 145*
PCB-169L	*96*		*10 - 145*
PCB-37L	*64*		*5 - 145*
PCB-19L	*36*		*5 - 145*
PCB-188L	*64*		*10 - 145*
PCB-54L	*46*		*5 - 145*
PCB-156L/157L	*86*		*10 - 145*
PCB-167L	*91*		*10 - 145*
PCB-209L	*93*		*10 - 145*
PCB-189L	*78*		*10 - 145*
PCB-105L	*84*		*10 - 145*
PCB-208L	*84*		*10 - 145*
PCB-1L	*31*		*5 - 145*
PCB-104L	*42*		*10 - 145*
PCB-81L	*90*		*10 - 145*
PCB-77L	*84*		*10 - 145*
PCB-205L	*89*		*10 - 145*
PCB-155L	*62*		*10 - 145*

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
PCB-28L	*60*		*5 - 145*
PCB-111L	*78*		*10 - 145*
PCB-178L	*83*		*10 - 145*

Lab Sample ID: MB 320-33524/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 34287 — **Prep Batch: 33524**

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	1.3	U	200	1.3	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-2	1.4	U	200	1.4	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-3	1.4	U	200	1.4	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-4	26	U	200	26	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-5	26	U	200	26	pg/L		01/09/14 13:29	01/21/14 18:20	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-33524/1-A
Matrix: Water
Analysis Batch: 34287

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33524

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-6	26	U	200	26	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-7	24	U	200	24	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-8	25	U	200	25	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-9	27	U	200	27	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-10	16	U	200	16	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-11	27	U	200	27	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-12/13	27	U	400	27	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-14	22	U	200	22	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-15	26	U	200	26	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-16	7.7	U	200	7.7	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-17	5.4	U	200	5.4	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-18/30	4.6	U	400	4.6	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-19	7.0	U	200	7.0	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-20/28	9.95	J	400	3.0	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-21/33	6.55	J	400	2.8	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-22	3.2	U	200	3.2	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-23	2.7	U	200	2.7	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-24	4.0	U	200	4.0	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-25	2.8	U	200	2.8	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-26/29	2.8	U	400	2.8	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-27	4.0	U	200	4.0	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-31	11.9	J	200	2.8	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-32	3.1	U	200	3.1	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-34	2.8	U	200	2.8	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-35	3.2	U	200	3.2	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-36	2.8	U	200	2.8	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-37	3.4	U	200	3.4	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-38	3.1	U	200	3.1	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-39	2.9	U	200	2.9	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-40/71	4.97	J q	400	2.0	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-41	2.6	U	200	2.6	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-42	4.78	J	200	2.2	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-43	2.3	U	200	2.3	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-44/47/65	7.27	J q	600	1.9	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-45	2.2	U	200	2.2	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-46	2.4	U	200	2.4	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-48	2.0	U	200	2.0	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-49/69	6.56	J	400	1.7	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-50/53	1.9	U	400	1.9	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-51	1.9	U	200	1.9	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-52	17.0	J	200	2.1	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-54	2.0	U	200	2.0	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-55	2.1	U	200	2.1	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-56	2.2	U	200	2.2	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-57	2.0	U	200	2.0	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-58	2.0	U	200	2.0	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-59/62/75	1.5	U	600	1.5	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-60	2.1	U	200	2.1	pg/L		01/09/14 13:29	01/21/14 18:20	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-33524/1-A
Matrix: Water
Analysis Batch: 34287

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33524

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-61/70/74/76	11.9	J	800	2.0	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-63	1.9	U	200	1.9	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-64	3.75	J q	200	1.4	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-66	3.33	J q	200	2.3	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-67	1.9	U	200	1.9	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-68	1.8	U	200	1.8	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-72	2.0	U	200	2.0	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-73	1.6	U	200	1.6	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-77	2.4	U	20	2.4	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-78	2.3	U	200	2.3	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-79	2.0	U	200	2.0	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-80	1.9	U	200	1.9	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-81	2.3	U	20	2.3	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-82	3.1	U	200	3.1	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-83	3.3	U	200	3.3	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-84	2.8	U	200	2.8	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-85/116/117	2.1	U	600	2.1	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-86/87/97/108/119/125	2.1	U	1200	2.1	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-88/91	2.3	U	400	2.3	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-89	2.6	U	200	2.6	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-90/101/113	6.69	J q	600	2.1	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-92	2.5	U	200	2.5	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-93/100	2.4	U	400	2.4	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-107/124	1.9	U	400	1.9	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-94	2.5	U	200	2.5	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-95	7.14	J	200	2.3	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-96	1.3	U	200	1.3	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-98/102	2.2	U	400	2.2	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-99	2.54	J q	200	2.5	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-103	2.2	U	200	2.2	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-104	1.5	U	200	1.5	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-105	2.1	U	20	2.1	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-106	2.1	U	200	2.1	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-110/115	5.87	J q	400	1.9	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-109	1.8	U	200	1.8	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-111	1.7	U	200	1.7	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-112	1.7	U	200	1.7	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-114	2.1	U	20	2.1	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-118	3.84	J q	20	2.0	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-120	1.8	U	200	1.8	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-121	1.7	U	200	1.7	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-122	2.2	U	200	2.2	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-123	2.0	U	20	2.0	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-126	2.3	U	20	2.3	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-127	2.1	U	200	2.1	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-128/166	1.7	U	400	1.7	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-129/138/163	4.78	J	600	1.8	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-130	2.3	U	200	2.3	pg/L		01/09/14 13:29	01/21/14 18:20	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-33524/1-A
Matrix: Water
Analysis Batch: 34287

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33524

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-131	2.2	U	200	2.2	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-132	2.1	U	200	2.1	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-133	2.1	U	200	2.1	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-134/143	2.1	U	400	2.1	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-135/151	1.8	U	400	1.8	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-136	1.3	U	200	1.3	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-137	1.8	U	200	1.8	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-139/140	1.7	U	400	1.7	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-141	1.9	U	200	1.9	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-142	2.0	U	200	2.0	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-144	1.8	U	200	1.8	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-145	1.3	U	200	1.3	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-146	1.9	U	200	1.9	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-147/149	3.03	J q	400	1.8	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-148	1.8	U	200	1.8	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-150	1.2	U	200	1.2	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-152	1.2	U	200	1.2	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-153/168	1.5	U	400	1.5	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-154	1.6	U	200	1.6	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-155	1.9	U	200	1.9	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-156/157	2.0	U	40	2.0	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-158	1.4	U	200	1.4	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-159	1.8	U	200	1.8	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-160	1.6	U	200	1.6	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-161	1.4	U	200	1.4	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-162	1.7	U	200	1.7	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-164	1.5	U	200	1.5	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-165	1.6	U	200	1.6	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-167	1.6	U	20	1.6	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-169	1.8	U	20	1.8	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-170	2.4	U	200	2.4	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-171/173	2.2	U	400	2.2	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-172	2.3	U	200	2.3	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-174	2.2	U	200	2.2	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-175	2.4	U	200	2.4	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-176	1.6	U	200	1.6	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-177	2.2	U	200	2.2	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-178	2.5	U	200	2.5	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-179	1.7	U	200	1.7	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-180/193	1.8	U	400	1.8	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-181	1.8	U	200	1.8	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-182	2.2	U	200	2.2	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-183	1.7	U	200	1.7	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-184	1.8	U	200	1.8	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-185	2.0	U	200	2.0	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-186	1.7	U	200	1.7	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-187	2.3	U	200	2.3	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-188	2.2	U	200	2.2	pg/L		01/09/14 13:29	01/21/14 18:20	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-33524/1-A
Matrix: Water
Analysis Batch: 34287

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33524

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-189	2.3	U	20	2.3	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-190	1.7	U	200	1.7	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-191	1.6	U	200	1.6	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-192	1.7	U	200	1.7	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-194	2.6	U	200	2.6	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-195	2.4	U	200	2.4	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-196	2.0	U	200	2.0	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-197	1.4	U	200	1.4	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-198/199	2.1	U	400	2.1	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-200	1.4	U	200	1.4	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-201	1.4	U	200	1.4	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-202	2.1	U	200	2.1	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-203	1.9	U	200	1.9	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-204	1.4	U	200	1.4	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-205	1.5	U	200	1.5	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-206	2.3	U	200	2.3	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-207	1.9	U	200	1.9	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-208	2.5	U	200	2.5	pg/L		01/09/14 13:29	01/21/14 18:20	1
PCB-209	61.6	J	200	2.6	pg/L		01/09/14 13:29	01/21/14 18:20	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-4L	*61*		*5 - 145*	*01/09/14 13:29*	*01/21/14 18:20*	*1*
PCB-15L	*83*		*5 - 145*	*01/09/14 13:29*	*01/21/14 18:20*	*1*
PCB-123L	*78*		*10 - 145*	*01/09/14 13:29*	*01/21/14 18:20*	*1*
PCB-114L	*80*		*10 - 145*	*01/09/14 13:29*	*01/21/14 18:20*	*1*
PCB-3L	*62*		*5 - 145*	*01/09/14 13:29*	*01/21/14 18:20*	*1*
PCB-118L	*80*		*10 - 145*	*01/09/14 13:29*	*01/21/14 18:20*	*1*
PCB-126L	*90*		*10 - 145*	*01/09/14 13:29*	*01/21/14 18:20*	*1*
PCB-202L	*51*		*10 - 145*	*01/09/14 13:29*	*01/21/14 18:20*	*1*
PCB-169L	*96*		*10 - 145*	*01/09/14 13:29*	*01/21/14 18:20*	*1*
PCB-206L	*86*		*10 - 145*	*01/09/14 13:29*	*01/21/14 18:20*	*1*
PCB-37L	*77*		*5 - 145*	*01/09/14 13:29*	*01/21/14 18:20*	*1*
PCB-19L	*73*		*5 - 145*	*01/09/14 13:29*	*01/21/14 18:20*	*1*
PCB-188L	*41*		*10 - 145*	*01/09/14 13:29*	*01/21/14 18:20*	*1*
PCB-54L	*61*		*5 - 145*	*01/09/14 13:29*	*01/21/14 18:20*	*1*
PCB-156L/157L	*89*		*10 - 145*	*01/09/14 13:29*	*01/21/14 18:20*	*1*
PCB-167L	*83*		*10 - 145*	*01/09/14 13:29*	*01/21/14 18:20*	*1*
PCB-209L	*81*		*10 - 145*	*01/09/14 13:29*	*01/21/14 18:20*	*1*
PCB-189L	*78*		*10 - 145*	*01/09/14 13:29*	*01/21/14 18:20*	*1*
PCB-105L	*84*		*10 - 145*	*01/09/14 13:29*	*01/21/14 18:20*	*1*
PCB-208L	*71*		*10 - 145*	*01/09/14 13:29*	*01/21/14 18:20*	*1*
PCB-1L	*54*		*5 - 145*	*01/09/14 13:29*	*01/21/14 18:20*	*1*
PCB-104L	*52*		*10 - 145*	*01/09/14 13:29*	*01/21/14 18:20*	*1*
PCB-81L	*98*		*10 - 145*	*01/09/14 13:29*	*01/21/14 18:20*	*1*
PCB-77L	*99*		*10 - 145*	*01/09/14 13:29*	*01/21/14 18:20*	*1*
PCB-205L	*88*		*10 - 145*	*01/09/14 13:29*	*01/21/14 18:20*	*1*
PCB-155L	*42*		*10 - 145*	*01/09/14 13:29*	*01/21/14 18:20*	*1*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-33524/1-A
Matrix: Water
Analysis Batch: 34287

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33524

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	76		5 - 145	01/09/14 13:29	01/21/14 18:20	1
PCB-111L	89		10 - 145	01/09/14 13:29	01/21/14 18:20	1
PCB-178L	88		10 - 145	01/09/14 13:29	01/21/14 18:20	1

Lab Sample ID: LCS 320-33524/2-A
Matrix: Water
Analysis Batch: 34287

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33524

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1	2000	2280		pg/L		114	60 - 135
PCB-3	2000	2180		pg/L		109	60 - 135
PCB-4	2000	2210		pg/L		111	60 - 135
PCB-15	2000	2170		pg/L		108	60 - 135
PCB-19	2000	2060		pg/L		103	60 - 135
PCB-37	2000	2330		pg/L		116	60 - 135
PCB-54	2000	2100		pg/L		105	60 - 135
PCB-77	2000	2250		pg/L		113	60 - 135
PCB-81	2000	2230		pg/L		111	60 - 135
PCB-104	2000	2200		pg/L		110	60 - 135
PCB-105	2000	2280		pg/L		114	60 - 135
PCB-114	2000	2210		pg/L		111	60 - 135
PCB-118	2000	2310		pg/L		115	60 - 135
PCB-123	2000	2180		pg/L		109	60 - 135
PCB-126	2000	2270		pg/L		113	60 - 135
PCB-155	2000	2280		pg/L		114	60 - 135
PCB-156/157	4000	4480		pg/L		112	60 - 135
PCB-167	2000	2190		pg/L		110	60 - 135
PCB-169	2000	2300		pg/L		115	60 - 135
PCB-188	2000	2260		pg/L		113	60 - 135
PCB-189	2000	2320		pg/L		116	60 - 135
PCB-202	2000	2340		pg/L		117	60 - 135
PCB-205	2000	2160		pg/L		108	60 - 135
PCB-206	2000	2220		pg/L		111	60 - 135
PCB-208	2000	2220		pg/L		111	60 - 135
PCB-209	2000	2240		pg/L		112	60 - 135

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
PCB-4L	36		15 - 145
PCB-15L	55		15 - 145
PCB-123L	68		40 - 145
PCB-114L	67		40 - 145
PCB-3L	37		15 - 145
PCB-118L	67		40 - 145
PCB-126L	73		40 - 145
PCB-202L	75		40 - 145
PCB-169L	79		40 - 145
PCB-206L	85		40 - 145
PCB-37L	52		15 - 145

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-33524/2-A
Matrix: Water
Analysis Batch: 34287

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 33524

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
PCB-19L	51		15 - 145
PCB-188L	64		40 - 145
PCB-54L	41		15 - 145
PCB-156L/157L	77		40 - 145
PCB-167L	75		40 - 145
PCB-209L	83		40 - 145
PCB-189L	76		40 - 145
PCB-105L	70		40 - 145
PCB-208L	83		40 - 145
PCB-1L	24		15 - 145
PCB-104L	43		40 - 145
PCB-81L	66		40 - 145
PCB-77L	67		40 - 145
PCB-205L	84		40 - 145
PCB-155L	50		40 - 145

Surrogate	LCS %Recovery	LCS Qualifier	Limits
PCB-28L	50		5 - 145
PCB-111L	70		10 - 145
PCB-178L	78		10 - 145

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Lab Sample ID: MB 320-32264/1-A
Matrix: Solid
Analysis Batch: 33441

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32264

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.012	U	1.0	0.012	pg/g		12/19/13 15:47	01/07/14 16:43	1
2,3,7,8-TCDF	0.0252	J q	1.0	0.0079	pg/g		12/19/13 15:47	01/07/14 16:43	1
1,2,3,7,8-PeCDD	0.015	U	5.0	0.015	pg/g		12/19/13 15:47	01/07/14 16:43	1
1,2,3,7,8-PeCDF	0.013	U	5.0	0.013	pg/g		12/19/13 15:47	01/07/14 16:43	1
2,3,4,7,8-PeCDF	0.0643	J	5.0	0.014	pg/g		12/19/13 15:47	01/07/14 16:43	1
1,2,3,4,7,8-HxCDD	0.0263	J q	5.0	0.013	pg/g		12/19/13 15:47	01/07/14 16:43	1
1,2,3,6,7,8-HxCDD	0.0463	J	5.0	0.0089	pg/g		12/19/13 15:47	01/07/14 16:43	1
1,2,3,7,8,9-HxCDD	0.0400	J q	5.0	0.0092	pg/g		12/19/13 15:47	01/07/14 16:43	1
1,2,3,4,7,8-HxCDF	0.391	J	5.0	0.013	pg/g		12/19/13 15:47	01/07/14 16:43	1
1,2,3,6,7,8-HxCDF	0.0789	J q	5.0	0.0098	pg/g		12/19/13 15:47	01/07/14 16:43	1
1,2,3,7,8,9-HxCDF	0.0384	J q	5.0	0.013	pg/g		12/19/13 15:47	01/07/14 16:43	1
2,3,4,6,7,8-HxCDF	0.0417	J	5.0	0.011	pg/g		12/19/13 15:47	01/07/14 16:43	1
1,2,3,4,6,7,8-HpCDD	0.116	J	5.0	0.016	pg/g		12/19/13 15:47	01/07/14 16:43	1
1,2,3,4,6,7,8-HpCDF	1.04	J	5.0	0.019	pg/g		12/19/13 15:47	01/07/14 16:43	1
1,2,3,4,7,8,9-HpCDF	0.0799	J	5.0	0.022	pg/g		12/19/13 15:47	01/07/14 16:43	1
OCDD	1.03	J	10	0.024	pg/g		12/19/13 15:47	01/07/14 16:43	1
OCDF	1.23	J	10	0.025	pg/g		12/19/13 15:47	01/07/14 16:43	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-1,2,3,6,7,8-HxCDD	94		40 - 135	12/19/13 15:47	01/07/14 16:43	1

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-32264/1-A
Matrix: Solid
Analysis Batch: 33441

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32264

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	96		40 - 135	12/19/13 15:47	01/07/14 16:43	1
13C-1,2,3,7,8-PeCDD	95		40 - 135	12/19/13 15:47	01/07/14 16:43	1
13C-1,2,3,4,6,7,8-HpCDF	95		40 - 135	12/19/13 15:47	01/07/14 16:43	1
13C-1,2,3,7,8-PeCDF	94		40 - 135	12/19/13 15:47	01/07/14 16:43	1
13C-2,3,7,8-TCDF	90		40 - 135	12/19/13 15:47	01/07/14 16:43	1
13C-1,2,3,4,6,7,8-HpCDD	104		40 - 135	12/19/13 15:47	01/07/14 16:43	1
13C-OCDD	99		40 - 135	12/19/13 15:47	01/07/14 16:43	1
13C-1,2,3,4,7,8-HxCDF	87		40 - 135	12/19/13 15:47	01/07/14 16:43	1

Lab Sample ID: LCS 320-32264/2-A
Matrix: Solid
Analysis Batch: 33441

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32264

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,3,7,8-TCDD	20.0	19.0		pg/g		95	77 - 130
2,3,7,8-TCDF	20.0	19.4		pg/g		97	79 - 137
1,2,3,7,8-PeCDD	100	99.3		pg/g		99	79 - 134
1,2,3,7,8-PeCDF	100	96.9		pg/g		97	81 - 134
2,3,4,7,8-PeCDF	100	97.8		pg/g		98	76 - 132
1,2,3,4,7,8-HxCDD	100	94.5		pg/g		94	65 - 144
1,2,3,6,7,8-HxCDD	100	98.0		pg/g		98	73 - 147
1,2,3,7,8,9-HxCDD	100	103		pg/g		103	80 - 143
1,2,3,4,7,8-HxCDF	100	103		pg/g		103	72 - 140
1,2,3,6,7,8-HxCDF	100	100		pg/g		100	63 - 152
1,2,3,7,8,9-HxCDF	100	102		pg/g		102	72 - 152
2,3,4,6,7,8-HxCDF	100	100		pg/g		100	72 - 151
1,2,3,4,6,7,8-HpCDD	100	100		pg/g		100	86 - 134
1,2,3,4,6,7,8-HpCDF	100	100		pg/g		100	81 - 137
1,2,3,4,7,8,9-HpCDF	100	97.9		pg/g		98	79 - 139
OCDD	200	212		pg/g		106	80 - 137
OCDF	200	200		pg/g		100	75 - 141

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C-1,2,3,6,7,8-HxCDD	95		40 - 135
13C-2,3,7,8-TCDD	98		40 - 135
13C-1,2,3,7,8-PeCDD	95		40 - 135
13C-1,2,3,4,6,7,8-HpCDF	94		40 - 135
13C-1,2,3,7,8-PeCDF	95		40 - 135
13C-2,3,7,8-TCDF	91		40 - 135
13C-1,2,3,4,6,7,8-HpCDD	98		40 - 135
13C-OCDD	95		40 - 135
13C-1,2,3,4,7,8-HxCDF	89		40 - 135

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 160-89919/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 97021 — **Prep Batch: 89919**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	14	U	19	14	mg/Kg		12/05/13 10:06	01/08/14 14:26	1
Barium	0.24	U	4.9	0.24	mg/Kg		12/05/13 10:06	01/08/14 14:26	1
Beryllium	0.16	U	0.49	0.16	mg/Kg		12/05/13 10:06	01/08/14 14:26	1
Cadmium	0.097	U	0.49	0.097	mg/Kg		12/05/13 10:06	01/08/14 14:26	1
Calcium	13	U	240	13	mg/Kg		12/05/13 10:06	01/08/14 14:26	1
Chromium	0.30	U	0.97	0.30	mg/Kg		12/05/13 10:06	01/08/14 14:26	1
Cobalt	0.91	U	4.9	0.91	mg/Kg		12/05/13 10:06	01/08/14 14:26	1
Copper	0.71	U	2.4	0.71	mg/Kg		12/05/13 10:06	01/08/14 14:26	1
Iron	2.9	U	9.7	2.9	mg/Kg		12/05/13 10:06	01/08/14 14:26	1
Magnesium	8.1	U	97	8.1	mg/Kg		12/05/13 10:06	01/08/14 14:26	1
Manganese	0.15	U	0.97	0.15	mg/Kg		12/05/13 10:06	01/08/14 14:26	1
Nickel	0.22	U	3.9	0.22	mg/Kg		12/05/13 10:06	01/08/14 14:26	1
Potassium	330	U	490	330	mg/Kg		12/05/13 10:06	01/08/14 14:26	1
Lead	0.17	U	0.97	0.17	mg/Kg		12/05/13 10:06	01/08/14 14:26	1
Antimony	0.62	U	0.97	0.62	mg/Kg		12/05/13 10:06	01/08/14 14:26	1
Silver	0.23	U	0.97	0.23	mg/Kg		12/05/13 10:06	01/08/14 14:26	1
Selenium	0.28	U	1.5	0.28	mg/Kg		12/05/13 10:06	01/08/14 14:26	1
Sodium	46	U	97	46	mg/Kg		12/05/13 10:06	01/08/14 14:26	1
Titanium	0.61	U	1.9	0.61	mg/Kg		12/05/13 10:06	01/08/14 14:26	1
Vanadium	1.2	U	4.9	1.2	mg/Kg		12/05/13 10:06	01/08/14 14:26	1
Zinc	1.9	U	4.9	1.9	mg/Kg		12/05/13 10:06	01/08/14 14:26	1

Lab Sample ID: LCS 160-89919/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 97021 — **Prep Batch: 89919**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	9780	7760		mg/Kg		79	44 - 155
Barium	325	295		mg/Kg		91	74 - 125
Beryllium	92.1	87.3		mg/Kg		95	74 - 126
Cadmium	110	102		mg/Kg		93	73 - 139
Calcium	6700	6180		mg/Kg		92	74 - 125
Chromium	93.4	87.9		mg/Kg		94	69 - 130
Cobalt	133	129		mg/Kg		97	74 - 125
Copper	74.7	74.9		mg/Kg		100	73 - 126
Iron	13100	12500		mg/Kg		95	32 - 167
Magnesium	2980	2680		mg/Kg		90	66 - 134
Manganese	443	429		mg/Kg		97	77 - 124
Nickel	109	106		mg/Kg		97	72 - 126
Potassium	2770	2380		mg/Kg		86	61 - 138
Lead	152	143		mg/Kg		94	73 - 126
Antimony	121	59.0		mg/Kg		49	21 - 251
Silver	51.9	48.5		mg/Kg		93	66 - 133
Selenium	207	185		mg/Kg		89	69 - 131
Sodium	724	655		mg/Kg		90	56 - 144
Titanium	193	218		mg/Kg		113	29 - 171
Vanadium	110	102		mg/Kg		92	67 - 132
Zinc	299	278		mg/Kg		93	71 - 128

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 680-96723-1 MS — **Client Sample ID: P-B-7_SS**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 97021 — **Prep Batch: 89919**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10000		956	13600	4	mg/Kg	☼	330	75 - 125
Antimony	3.1	U	47.8	12.7	F1	mg/Kg	☼	27	75 - 125
Barium	220		95.6	307		mg/Kg	☼	95	75 - 125
Beryllium	0.83	U	95.6	86.3		mg/Kg	☼	90	75 - 125
Cadmium	0.49	U	95.6	88.3		mg/Kg	☼	92	75 - 125
Calcium	29000		956	31900	4	mg/Kg	☼	309	75 - 125
Chromium	14		95.6	103		mg/Kg	☼	92	75 - 125
Cobalt	11	J	95.6	100		mg/Kg	☼	94	75 - 125
Copper	21		95.6	107		mg/Kg	☼	91	75 - 125
Iron	18000		956	16100	4	mg/Kg	☼	-162	75 - 125
Lead	18		95.6	108		mg/Kg	☼	95	75 - 125
Magnesium	11000		956	11800	4	mg/Kg	☼	66	75 - 125
Manganese	890		95.6	948	4	mg/Kg	☼	58	75 - 125
Nickel	18	J	95.6	108		mg/Kg	☼	95	75 - 125
Potassium	2200	J	956	3150		mg/Kg	☼	104	75 - 125
Selenium	1.4	U	47.8	35.0	F1	mg/Kg	☼	73	75 - 125
Silver	1.1	U	19.1	17.6		mg/Kg	☼	92	75 - 125
Sodium	2000		956	3420	F1	mg/Kg	☼	144	75 - 125
Titanium	2000		95.6	1800	4	mg/Kg	☼	-197	75 - 125
Vanadium	52		95.6	134		mg/Kg	☼	86	75 - 125
Zinc	45		95.6	132		mg/Kg	☼	91	75 - 125

Lab Sample ID: 680-96723-1 MSD — **Client Sample ID: P-B-7_SS**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 97021 — **Prep Batch: 89919**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	10000		1070	15300	4	mg/Kg	☼	455	75 - 125	12	30
Antimony	3.1	U	53.6	14.8	F1	mg/Kg	☼	28	75 - 125	15	30
Barium	220		107	356	F1	mg/Kg	☼	130	75 - 125	15	30
Beryllium	0.83	U	107	103		mg/Kg	☼	96	75 - 125	17	30
Cadmium	0.49	U	107	102		mg/Kg	☼	95	75 - 125	14	30
Calcium	29000		1070	30000	4	mg/Kg	☼	90	75 - 125	6	30
Chromium	14		107	120		mg/Kg	☼	98	75 - 125	16	30
Cobalt	11	J	107	116		mg/Kg	☼	98	75 - 125	15	30
Copper	21		107	123		mg/Kg	☼	96	75 - 125	14	30
Iron	18000		1070	19100	4	mg/Kg	☼	137	75 - 125	17	30
Lead	18		107	127		mg/Kg	☼	102	75 - 125	16	30
Magnesium	11000		1070	13100	4	mg/Kg	☼	174	75 - 125	10	30
Manganese	890		107	1140	4	mg/Kg	☼	231	75 - 125	18	30
Nickel	18	J	107	125		mg/Kg	☼	100	75 - 125	14	30
Potassium	2200	J	1070	3700	F1	mg/Kg	☼	144	75 - 125	16	30
Selenium	1.4	U	53.6	37.9	F1	mg/Kg	☼	71	75 - 125	8	30
Silver	1.1	U	21.5	20.7		mg/Kg	☼	96	75 - 125	16	30
Sodium	2000		1070	3900	F1	mg/Kg	☼	173	75 - 125	13	30
Titanium	2000		107	2210	4	mg/Kg	☼	210	75 - 125	21	30
Vanadium	52		107	158		mg/Kg	☼	99	75 - 125	16	30
Zinc	45		107	150		mg/Kg	☼	99	75 - 125	13	30

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 160-90103/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 97021 — **Prep Batch: 90103**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	14	U	19	14	mg/Kg		12/06/13 07:38	01/08/14 15:19	1
Barium	0.24	U	4.9	0.24	mg/Kg		12/06/13 07:38	01/08/14 15:19	1
Beryllium	0.16	U	0.49	0.16	mg/Kg		12/06/13 07:38	01/08/14 15:19	1
Cadmium	0.097	U	0.49	0.097	mg/Kg		12/06/13 07:38	01/08/14 15:19	1
Calcium	13	U	240	13	mg/Kg		12/06/13 07:38	01/08/14 15:19	1
Chromium	0.30	U	0.97	0.30	mg/Kg		12/06/13 07:38	01/08/14 15:19	1
Cobalt	0.91	U	4.9	0.91	mg/Kg		12/06/13 07:38	01/08/14 15:19	1
Copper	0.71	U	2.4	0.71	mg/Kg		12/06/13 07:38	01/08/14 15:19	1
Iron	2.9	U	9.7	2.9	mg/Kg		12/06/13 07:38	01/08/14 15:19	1
Magnesium	8.1	U	97	8.1	mg/Kg		12/06/13 07:38	01/08/14 15:19	1
Manganese	0.15	U	0.97	0.15	mg/Kg		12/06/13 07:38	01/08/14 15:19	1
Nickel	0.22	U	3.9	0.22	mg/Kg		12/06/13 07:38	01/08/14 15:19	1
Lead	0.17	U	0.97	0.17	mg/Kg		12/06/13 07:38	01/08/14 15:19	1
Antimony	0.62	U	0.97	0.62	mg/Kg		12/06/13 07:38	01/08/14 15:19	1
Silver	0.23	U	0.97	0.23	mg/Kg		12/06/13 07:38	01/08/14 15:19	1
Selenium	0.28	U	1.5	0.28	mg/Kg		12/06/13 07:38	01/08/14 15:19	1
Titanium	0.61	U	1.9	0.61	mg/Kg		12/06/13 07:38	01/08/14 15:19	1
Vanadium	1.2	U	4.9	1.2	mg/Kg		12/06/13 07:38	01/08/14 15:19	1
Zinc	1.9	U	4.9	1.9	mg/Kg		12/06/13 07:38	01/08/14 15:19	1

Lab Sample ID: MB 160-90103/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 97291 — **Prep Batch: 90103**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	330	U	490	330	mg/Kg		12/06/13 07:38	01/09/14 22:05	1
Sodium	46	U	97	46	mg/Kg		12/06/13 07:38	01/09/14 22:05	1

Lab Sample ID: LCS 160-90103/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 97021 — **Prep Batch: 90103**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	9780	6430		mg/Kg		66	44 - 155
Barium	325	242		mg/Kg		74	74 - 125
Cadmium	110	91.2		mg/Kg		83	73 - 139
Calcium	6700	5680		mg/Kg		85	74 - 125
Chromium	93.4	69.9		mg/Kg		75	69 - 130
Cobalt	133	117		mg/Kg		88	74 - 125
Copper	74.7	62.9		mg/Kg		84	73 - 126
Iron	13100	9260		mg/Kg		71	32 - 167
Magnesium	2980	2070		mg/Kg		70	66 - 134
Nickel	109	94.2		mg/Kg		86	72 - 126
Lead	152	129		mg/Kg		85	73 - 126
Antimony	121	50.3		mg/Kg		42	21 - 251
Silver	51.9	39.3		mg/Kg		76	66 - 133
Selenium	207	168		mg/Kg		81	69 - 131
Titanium	193	156		mg/Kg		81	29 - 171

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 160-90103/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 97021 — **Prep Batch: 90103**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vanadium	110	78.0		mg/Kg		71	67 - 132
Zinc	299	253		mg/Kg		85	71 - 128

Lab Sample ID: LCS 160-90103/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 97291 — **Prep Batch: 90103**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Beryllium	92.1	84.3		mg/Kg		92	74 - 126
Manganese	443	386		mg/Kg		87	77 - 124
Potassium	2770	2410		mg/Kg		87	61 - 138
Sodium	724	675		mg/Kg		93	56 - 144

Lab Sample ID: 680-96723-13 MS — **Client Sample ID: P-B-4_SUB**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 97021 — **Prep Batch: 90103**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	11000		1020	14800	4	mg/Kg	☼	365	75 - 125
Barium	240		102	294	F1	mg/Kg	☼	53	75 - 125
Beryllium	0.77	U *	102	90.1		mg/Kg	☼	88	75 - 125
Cadmium	0.46	U	102	92.6		mg/Kg	☼	90	75 - 125
Calcium	26000		1020	22800	4	mg/Kg	☼	-284	75 - 125
Chromium	11		102	103		mg/Kg	☼	89	75 - 125
Cobalt	7.6	J	102	102		mg/Kg	☼	92	75 - 125
Copper	27		102	126		mg/Kg	☼	97	75 - 125
Iron	16000		1020	16600	4	mg/Kg	☼	42	75 - 125
Magnesium	9800		1020	10100	4	mg/Kg	☼	31	75 - 125
Manganese	600	*	102	599	4	mg/Kg	☼	2	75 - 125
Nickel	15	J	102	111		mg/Kg	☼	93	75 - 125
Lead	17		102	110		mg/Kg	☼	91	75 - 125
Antimony	2.9	U	51.2	18.6	F1	mg/Kg	☼	36	75 - 125
Silver	1.1	U	20.5	18.7		mg/Kg	☼	91	75 - 125
Selenium	1.3	U	51.2	42.0		mg/Kg	☼	82	75 - 125
Titanium	1100		102	966	4	mg/Kg	☼	-116	75 - 125
Vanadium	42		102	127		mg/Kg	☼	82	75 - 125
Zinc	49		102	135		mg/Kg	☼	85	75 - 125

Lab Sample ID: 680-96723-13 MS — **Client Sample ID: P-B-4_SUB**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 97291 — **Prep Batch: 90103**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Potassium	3100	U	1020	4540	J	mg/Kg	☼	NC	75 - 125
Sodium	790	J	1020	2900	F1	mg/Kg	☼	206	75 - 125

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 680-96723-13 MSD — **Client Sample ID: P-B-4_SUB**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 97021 — **Prep Batch: 90103**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	11000		969	15200	4	mg/Kg	☼	424	75 - 125	2	30
Barium	240		96.9	311	F1	mg/Kg	☼	73	75 - 125	6	30
Beryllium	0.77	U *	96.9	88.4		mg/Kg	☼	91	75 - 125	2	30
Cadmium	0.46	U	96.9	90.2		mg/Kg	☼	93	75 - 125	3	30
Calcium	26000		969	23600	4	mg/Kg	☼	-213	75 - 125	4	30
Chromium	11		96.9	99.9		mg/Kg	☼	91	75 - 125	3	30
Cobalt	7.6	J	96.9	100		mg/Kg	☼	96	75 - 125	1	30
Copper	27		96.9	131		mg/Kg	☼	108	75 - 125	4	30
Iron	16000		969	17100	4	mg/Kg	☼	95	75 - 125	3	30
Magnesium	9800		969	11100	4	mg/Kg	☼	132	75 - 125	9	30
Manganese	600	*	96.9	686	4	mg/Kg	☼	92	75 - 125	14	30
Nickel	15	J	96.9	109		mg/Kg	☼	97	75 - 125	2	30
Lead	17		96.9	111		mg/Kg	☼	97	75 - 125	1	30
Antimony	2.9	U	48.4	16.7	F1	mg/Kg	☼	35	75 - 125	11	30
Silver	1.1	U	19.4	17.9		mg/Kg	☼	93	75 - 125	4	30
Selenium	1.3	U	48.4	40.5		mg/Kg	☼	84	75 - 125	3	30
Titanium	1100		96.9	1050	4	mg/Kg	☼	-34	75 - 125	9	30
Vanadium	42		96.9	128		mg/Kg	☼	88	75 - 125	1	30
Zinc	49		96.9	135		mg/Kg	☼	90	75 - 125	0	30

Lab Sample ID: 680-96723-13 MSD — **Client Sample ID: P-B-4_SUB**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 97291 — **Prep Batch: 90103**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Potassium	3100	U	969	4320	J	mg/Kg	☼	NC	75 - 125	5	30
Sodium	790	J	969	2690	F1	mg/Kg	☼	196	75 - 125	7	30

Lab Sample ID: MB 160-96025/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 97021 — **Prep Batch: 96025**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	80	U	200	80	ug/L		01/03/14 17:29	01/08/14 13:36	1
Barium	4.0	U	50	4.0	ug/L		01/03/14 17:29	01/08/14 13:36	1
Beryllium	0.61	U	5.0	0.61	ug/L		01/03/14 17:29	01/08/14 13:36	1
Cadmium	0.91	U	5.0	0.91	ug/L		01/03/14 17:29	01/08/14 13:36	1
Calcium	110	U	1000	110	ug/L		01/03/14 17:29	01/08/14 13:36	1
Chromium	3.1	U	10	3.1	ug/L		01/03/14 17:29	01/08/14 13:36	1
Cobalt	4.9	U	50	4.9	ug/L		01/03/14 17:29	01/08/14 13:36	1
Copper	4.6	U	25	4.6	ug/L		01/03/14 17:29	01/08/14 13:36	1
Iron	28	U	100	28	ug/L		01/03/14 17:29	01/08/14 13:36	1
Magnesium	130	U	1000	130	ug/L		01/03/14 17:29	01/08/14 13:36	1
Manganese	3.3	U	15	3.3	ug/L		01/03/14 17:29	01/08/14 13:36	1
Nickel	13	U	40	13	ug/L		01/03/14 17:29	01/08/14 13:36	1
Potassium	1700	U	5000	1700	ug/L		01/03/14 17:29	01/08/14 13:36	1
Lead	1.5	U	10	1.5	ug/L		01/03/14 17:29	01/08/14 13:36	1
Antimony	4.0	U	10	4.0	ug/L		01/03/14 17:29	01/08/14 13:36	1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 160-96025/1-A
Matrix: Water
Analysis Batch: 97021

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 96025

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	6.0	U	10	6.0	ug/L		01/03/14 17:29	01/08/14 13:36	1
Selenium	2.7	U	15	2.7	ug/L		01/03/14 17:29	01/08/14 13:36	1
Sodium	320	U	1000	320	ug/L		01/03/14 17:29	01/08/14 13:36	1
Titanium	2.4	U	20	2.4	ug/L		01/03/14 17:29	01/08/14 13:36	1
Vanadium	4.1	U	50	4.1	ug/L		01/03/14 17:29	01/08/14 13:36	1
Zinc	13.0	J	20	5.2	ug/L		01/03/14 17:29	01/08/14 13:36	1

Lab Sample ID: LCS 160-96025/2-A
Matrix: Water
Analysis Batch: 97021

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 96025

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10000	10500		ug/L		105	80 - 120
Barium	1000	1040		ug/L		104	80 - 120
Beryllium	1000	1050		ug/L		105	80 - 120
Cadmium	1000	1040		ug/L		104	80 - 120
Calcium	10000	10900		ug/L		109	80 - 120
Chromium	1000	1010		ug/L		101	80 - 120
Cobalt	1000	1080		ug/L		108	80 - 120
Copper	1000	1080		ug/L		108	80 - 120
Iron	10000	10600		ug/L		106	80 - 120
Magnesium	10000	9960		ug/L		100	80 - 120
Manganese	1000	1080		ug/L		108	80 - 120
Nickel	1000	1100		ug/L		110	80 - 120
Potassium	10000	11700		ug/L		117	80 - 120
Lead	1000	1090		ug/L		109	80 - 120
Antimony	500	513		ug/L		103	80 - 120
Silver	200	201		ug/L		100	80 - 120
Selenium	500	516		ug/L		103	80 - 120
Sodium	10000	11700		ug/L		117	80 - 120
Titanium	1000	1020		ug/L		102	80 - 120
Vanadium	1000	1040		ug/L		104	80 - 120
Zinc	1000	1070		ug/L		107	80 - 120

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 160-89914/1-A
Matrix: Solid
Analysis Batch: 94702

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 89914

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.25	U	0.97	0.25	mg/Kg		12/05/13 09:53	12/25/13 04:58	2
Niobium	0.37	U	2.4	0.37	mg/Kg		12/05/13 09:53	12/25/13 04:58	2
Thallium	0.15	U	0.49	0.15	mg/Kg		12/05/13 09:53	12/25/13 04:58	2
Uranium	0.019	U	0.097	0.019	mg/Kg		12/05/13 09:53	12/25/13 04:58	2

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 160-89914/13-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 94702 — **Prep Batch: 89914**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Niobium	47.5	52.0	E	mg/Kg		110	80 - 120
Uranium	94.9	98.7		mg/Kg		104	80 - 120

Lab Sample ID: LCS 160-89914/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 94702 — **Prep Batch: 89914**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	109	118		mg/Kg		108	70 - 131
Thallium	171	192	E	mg/Kg		112	68 - 131

Lab Sample ID: 680-96723-1 MS — **Client Sample ID: P-B-7_SS**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 94702 — **Prep Batch: 89914**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	4.0	J	95.6	95.3		mg/Kg	☼	96	75 - 125
Niobium	4.0	J	47.8	13.6	F	mg/Kg	☼	20	75 - 125
Thallium	0.75	U	19.1	19.8		mg/Kg	☼	103	75 - 125
Uranium	1.1		95.6	98.7		mg/Kg	☼	102	75 - 125

Lab Sample ID: 680-96723-1 MSD — **Client Sample ID: P-B-7_SS**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 94702 — **Prep Batch: 89914**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	4.0	J	107	106		mg/Kg	☼	95	75 - 125	11	30
Niobium	4.0	J	53.6	17.4	F	mg/Kg	☼	25	75 - 125	24	30
Thallium	0.75	U	21.5	22.9		mg/Kg	☼	107	75 - 125	15	30
Uranium	1.1		107	116		mg/Kg	☼	107	75 - 125	16	30

Lab Sample ID: MB 160-90110/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95495 — **Prep Batch: 90110**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.25	U	0.97	0.25	mg/Kg		12/06/13 07:42	12/31/13 01:08	2
Niobium	0.37	U	2.4	0.37	mg/Kg		12/06/13 07:42	12/31/13 01:08	2
Thallium	0.15	U	0.49	0.15	mg/Kg		12/06/13 07:42	12/31/13 01:08	2
Uranium	0.019	U	0.097	0.019	mg/Kg		12/06/13 07:42	12/31/13 01:08	2

Lab Sample ID: LCS 160-90110/11-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95495 — **Prep Batch: 90110**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Niobium	47.8	50.6	E	mg/Kg		106	80 - 120
Uranium	95.6	97.2		mg/Kg		102	80 - 120

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 160-90110/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95495 — **Prep Batch: 90110**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	109	117		mg/Kg		107	70 - 131
Thallium	171	194	E	mg/Kg		113	68 - 131

Lab Sample ID: 680-96723-13 MS — **Client Sample ID: P-B-4_SUB**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95495 — **Prep Batch: 90110**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	4.2	J	102	110		mg/Kg	☼	103	75 - 125
Niobium	1.7	U	51.2	21.8	F	mg/Kg	☼	43	75 - 125
Thallium	0.69	U	20.5	20.5		mg/Kg	☼	100	75 - 125
Uranium	0.85		102	98.3		mg/Kg	☼	95	75 - 125

Lab Sample ID: 680-96723-13 MSD — **Client Sample ID: P-B-4_SUB**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95495 — **Prep Batch: 90110**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	4.2	J	96.9	104		mg/Kg	☼	103	75 - 125	6	30
Niobium	1.7	U	48.4	19.1	F	mg/Kg	☼	40	75 - 125	13	30
Thallium	0.69	U	19.4	21.2		mg/Kg	☼	109	75 - 125	3	30
Uranium	0.85		96.9	103		mg/Kg	☼	105	75 - 125	4	30

Lab Sample ID: MB 160-96024/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 96993 — **Prep Batch: 96024**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.2	U	10	1.2	ug/L		01/03/14 17:29	01/09/14 00:26	1
Niobium	2.2	U	25	2.2	ug/L		01/03/14 17:29	01/09/14 00:26	1
Thallium	0.55	U	2.0	0.55	ug/L		01/03/14 17:29	01/09/14 00:26	1
Uranium	0.23	U	1.0	0.23	ug/L		01/03/14 17:29	01/09/14 00:26	1

Lab Sample ID: LCS 160-96024/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 96993 — **Prep Batch: 96024**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1000	950		ug/L		95	80 - 120
Niobium	500	518	E	ug/L		104	80 - 120
Thallium	200	206		ug/L		103	80 - 120
Uranium	1000	985		ug/L		98	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 160-90143/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 90386 — **Prep Batch: 90143**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.060	U	0.20	0.060	ug/L		12/06/13 11:35	12/06/13 15:35	1

Lab Sample ID: LCS 160-90143/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 90386 — **Prep Batch: 90143**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	5.00	4.90		ug/L		98	80 - 120

Lab Sample ID: 680-96723-14 MS — **Client Sample ID: RINSATE**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 90386 — **Prep Batch: 90143**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.060	U	5.00	4.95		ug/L		99	80 - 120

Lab Sample ID: 680-96723-14 MSD — **Client Sample ID: RINSATE**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 90386 — **Prep Batch: 90143**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.060	U	5.00	4.85		ug/L		97	80 - 120	2	20

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Lab Sample ID: MB 160-90382/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 91139 — **Prep Batch: 90382**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.010	U	0.030	0.010	mg/Kg		12/09/13 07:33	12/11/13 12:02	1

Lab Sample ID: LCS 160-90382/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 91139 — **Prep Batch: 90382**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	16.3	14.4		mg/Kg		89	51 - 148

Lab Sample ID: 680-96723-1 MS — **Client Sample ID: P-B-7_SS**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 91139 — **Prep Batch: 90382**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.016	J	0.836	0.798		mg/Kg	☼	94	80 - 120

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique) (Continued)

Lab Sample ID: 680-96723-1 MSD — **Client Sample ID: P-B-7_SS**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 91139 — **Prep Batch: 90382**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.016	J	0.822	0.789		mg/Kg	☼	94	80 - 120	1	30

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 160-91112/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 91112

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.0040	U	0.020	0.0040	mg/L			12/04/13 09:38	1
Chloride	0.020	U	0.20	0.020	mg/L			12/04/13 09:38	1
Sulfate	0.050	U	0.50	0.050	mg/L			12/04/13 09:38	1

Lab Sample ID: LCS 160-91112/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 91112

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	0.400	0.414		mg/L		103	90 - 110
Chloride	2.00	1.99		mg/L		99	90 - 110
Sulfate	8.00	7.67		mg/L		96	90 - 110

Lab Sample ID: MB 160-95433/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 97447

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.040	U	0.20	0.040	mg/Kg			01/07/14 20:16	1
Chloride	0.20	U	2.0	0.20	mg/Kg			01/07/14 20:16	1
Sulfate	0.50	U	5.0	0.50	mg/Kg			01/07/14 20:16	1

Lab Sample ID: LCS 160-95433/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 97447

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	3.97	3.97		mg/Kg		100	90 - 110
Chloride	19.9	19.5		mg/Kg		98	90 - 110
Sulfate	79.5	76.9		mg/Kg		97	90 - 110

Method: 300.0 - Anions, Ion Chromatography - DL

Lab Sample ID: 680-96723-1 MS — **Client Sample ID: P-B-7_SS**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 97447

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N - DL	19	H	84.0	103	H	mg/Kg	☼	100	90 - 110
Sulfate - DL	1000	H	840	1900	H	mg/Kg	☼	102	90 - 110

Lab Sample ID: 680-96723-1 MSD — **Client Sample ID: P-B-7_SS**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 97447

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate as N - DL	19	H	86.7	107	H	mg/Kg	☼	101	90 - 110	4	20
Sulfate - DL	1000	H	867	1960	H	mg/Kg	☼	106	90 - 110	3	20

Method: 300.0 - Anions, Ion Chromatography - DL2

Lab Sample ID: 680-96723-1 MS — **Client Sample ID: P-B-7_SS**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 97447

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride - DL2	1100	H	1050	2190	H	mg/Kg	☼	101	90 - 110

Lab Sample ID: 680-96723-1 MSD — **Client Sample ID: P-B-7_SS**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 97447

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride - DL2	1100	H	1080	2260	H	mg/Kg	☼	105	90 - 110	3	20

Method: 900.0 - Gross Alpha and Gross Beta Radioactivity

Lab Sample ID: MB 160-90393/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 90524 — **Prep Batch: 90393**

Analyte	MB Result	MB Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Gross Alpha	2.471	U	10.0	4.17	pCi/g		12/09/13 08:58	12/09/13 20:41	1
Gross Beta	-0.05760	U	10.0	2.15	pCi/g		12/09/13 08:58	12/09/13 20:41	1

Lab Sample ID: LCS 160-90393/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 90524 — **Prep Batch: 90393**

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	MDC	Unit	%Rec	%Rec. Limits
Gross Alpha	27.1	26.72		6.43	4.57	pCi/g	99	44 - 140
Gross Beta	26.8	23.89		3.81	2.70	pCi/g	89	38 - 130

Lab Sample ID: MB 160-95516/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 95840 — **Prep Batch: 95516**

Analyte	MB Result	MB Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Gross Alpha	-0.05583	U	3.00	1.44	pCi/L		12/31/13 12:16	01/02/14 18:28	1
Gross Beta	-0.06862	U	4.00	0.833	pCi/L		12/31/13 12:16	01/02/14 18:28	1

Method: 900.0 - Gross Alpha and Gross Beta Radioactivity (Continued)

Lab Sample ID: LCS 160-95516/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 95840 — **Prep Batch: 95516**

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	MDC	Unit	%Rec	%Rec. Limits
Gross Alpha	53.8	48.83		7.27	1.91	pCi/L	91	75 - 125

Lab Sample ID: LCSB 160-95516/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 95840 — **Prep Batch: 95516**

Analyte	Spike Added	LCSB Result	LCSB Qual	Total Uncert. (2σ+/-)	MDC	Unit	%Rec	%Rec. Limits
Gross Beta	98.2	94.35		9.96	0.993	pCi/L	96	75 - 125

Lab Sample ID: 680-96723-14 MS — **Client Sample ID: RINSATE**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 95840 — **Prep Batch: 95516**

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	MDC	Unit	%Rec	%Rec. Limits
Gross Alpha	0.331	U	53.8	41.40		6.20	1.44	pCi/L	77	35 - 150

Lab Sample ID: 680-96723-14 MSBT — **Client Sample ID: RINSATE**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 95840 — **Prep Batch: 95516**

Analyte	Sample Result	Sample Qual	Spike Added	MSBT Result	MSBT Qual	Total Uncert. (2σ+/-)	MDC	Unit	%Rec	%Rec. Limits
Gross Beta	1.16		98.2	96.68		10.2	0.965	pCi/L	97	89 - 143

Lab Sample ID: 680-96723-14 DU — **Client Sample ID: RINSATE**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 95840 — **Prep Batch: 95516**

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	MDC	Unit	RER	RER Limit
Gross Alpha	0.331	U	0.8787	U	1.25	2.10	pCi/L	0.25	1
Gross Beta	1.16		1.688		0.696	0.924	pCi/L	0.40	1

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS)

Lab Sample ID: MB 160-91490/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95979 — **Prep Batch: 91490**

Analyte	MB Result	MB Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Actinium 228	-0.06018	U		0.328	pCi/g		12/12/13 15:18	01/03/14 15:43	1
Bismuth-212	0.1353	U		0.815	pCi/g		12/12/13 15:18	01/03/14 15:43	1
Bismuth-214	0.02653	U		0.192	pCi/g		12/12/13 15:18	01/03/14 15:43	1
Bismuth-210M	0.01799	U		0.0683	pCi/g		12/12/13 15:18	01/03/14 15:43	1
Cesium-134	0.006369	U		0.127	pCi/g		12/12/13 15:18	01/03/14 15:43	1
Cesium-137	0.01516	U		0.0660	pCi/g		12/12/13 15:18	01/03/14 15:43	1

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS) (Continued)

Lab Sample ID: MB 160-91490/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95979 — **Prep Batch: 91490**

Analyte	MB Result	MB Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt-57	0.004503	U		0.0349	pCi/g		12/12/13 15:18	01/03/14 15:43	1
Cobalt-60	0.01461	U		0.0748	pCi/g		12/12/13 15:18	01/03/14 15:43	1
Lead-212	-0.01445	U		0.130	pCi/g		12/12/13 15:18	01/03/14 15:43	1
Lead-214	0.1168	U		0.137	pCi/g		12/12/13 15:18	01/03/14 15:43	1
Potassium-40	-0.3478	U		1.39	pCi/g		12/12/13 15:18	01/03/14 15:43	1
Protactinium-231	-0.02620	U		1.52	pCi/g		12/12/13 15:18	01/03/14 15:43	1
Protactinium-234	-0.01549	U		0.178	pCi/g		12/12/13 15:18	01/03/14 15:43	1
Radium-224	0.05548	U		1.11	pCi/g		12/12/13 15:18	01/03/14 15:43	1
Thallium-208	0.03595	U		0.0663	pCi/g		12/12/13 15:18	01/03/14 15:43	1
Thorium-227	0.01504	U		0.402	pCi/g		12/12/13 15:18	01/03/14 15:43	1
Thorium-234	-0.4687	U		1.59	pCi/g		12/12/13 15:18	01/03/14 15:43	1

Lab Sample ID: LCS 160-91490/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95982 — **Prep Batch: 91490**

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	MDC	Unit	%Rec	%Rec. Limits
Cesium-137	31.4	30.63		3.27	0.335	pCi/g	98	87 - 120
Cobalt-60	23.6	22.74		2.33	0.173	pCi/g	96	87 - 115
Americium-241	97.5	95.38		10.0	1.25	pCi/g	98	87 - 116

Lab Sample ID: MB 160-94337/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 97890 — **Prep Batch: 94337**

Analyte	MB Result	MB Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Actinium 228	-0.4580	U		45.5	pCi/L		12/23/13 17:56	01/13/14 02:14	1
Bismuth-212	-19.18	U		148	pCi/L		12/23/13 17:56	01/13/14 02:14	1
Bismuth-214	-1.271	U		29.7	pCi/L		12/23/13 17:56	01/13/14 02:14	1
Bismuth-210M	0.4886	U		15.2	pCi/L		12/23/13 17:56	01/13/14 02:14	1
Cesium-134	-0.1895	U		12.8	pCi/L		12/23/13 17:56	01/13/14 02:14	1
Cesium-137	0.0000	U		14.0	pCi/L		12/23/13 17:56	01/13/14 02:14	1
Cobalt-57	0.7235	U		7.47	pCi/L		12/23/13 17:56	01/13/14 02:14	1
Cobalt-60	-3.036	U		15.9	pCi/L		12/23/13 17:56	01/13/14 02:14	1
Lead-212	7.985	U		19.3	pCi/L		12/23/13 17:56	01/13/14 02:14	1
Lead-214	6.238	U		25.2	pCi/L		12/23/13 17:56	01/13/14 02:14	1
Potassium-40	-31.49	U		219	pCi/L		12/23/13 17:56	01/13/14 02:14	1
Protactinium-231	-54.05	U		285	pCi/L		12/23/13 17:56	01/13/14 02:14	1
Protactinium-234	5.830	U		41.8	pCi/L		12/23/13 17:56	01/13/14 02:14	1
Radium-224	2.040	U		181	pCi/L		12/23/13 17:56	01/13/14 02:14	1
Thallium-208	-3.845	U		15.0	pCi/L		12/23/13 17:56	01/13/14 02:14	1
Thorium-227	-17.75	U		69.9	pCi/L		12/23/13 17:56	01/13/14 02:14	1
Thorium-231	15.22	U		63.7	pCi/L		12/23/13 17:56	01/13/14 02:14	1
Thorium-234	83.40	U		202	pCi/L		12/23/13 17:56	01/13/14 02:14	1

Method: 901.1 - Radium-226 & Other Gamma Emitters (GS) (Continued)

Lab Sample ID: LCS 160-94337/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 97574 — **Prep Batch: 94337**

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	MDC	Unit	%Rec	%Rec. Limits
Cesium-137	50500	49390		4960	224	pCi/L	98	90 - 111
Cobalt-60	59800	58270		5760	117	pCi/L	97	89 - 110
Americium-241	137000	132800		15300	554	pCi/L	97	90 - 111

Lab Sample ID: 680-96723-14 DU — **Client Sample ID: RINSATE**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 97576 — **Prep Batch: 94337**

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	MDC	Unit	RER	RER Limit
Actinium 228	8.47	U	6.277	U	18.8	38.3	pCi/L	0.06	1
Bismuth-212	33.5	U	10.96	U	68.6	126	pCi/L	0.16	1
Bismuth-214	-7.62	U	17.51	U	19.7	28.8	pCi/L	0.52	1
Bismuth-210M	4.15	U	2.356	U	7.60	13.1	pCi/L	0.12	1
Cesium-134	3.35	U	-0.1976	U	5.65	10.4	pCi/L	0.35	1
Cesium-137	-0.251	U	0.1266	U	5.02	9.59	pCi/L	0.03	1
Cobalt-57	2.08	U	0.7335	U	3.42	7.28	pCi/L	0.20	1
Cobalt-60	-1.89	U	-2.829	U	8.00	14.3	pCi/L	0.06	1
Lead-212	-6.05	U	5.148	U	9.26	16.5	pCi/L	0.34	1
Lead-214	6.52	U	-7.993	U	26.9	27.7	pCi/L	0.34	1
Potassium-40	-27.5	U	-83.55	U	363	218	pCi/L	0.11	1
Protactinium-231	-22.2	U	12.87	U	42.2	273	pCi/L	0.18	1
Protactinium-234	11.6	U	4.460	U	15.4	26.8	pCi/L	0.22	1
Radium-224	-44.1	U	69.06	U	102	170	pCi/L	0.52	1
Thallium-208	-1.21	U	-4.970	U	47.2	13.4	pCi/L	0.07	1
Thorium-227	12.1	U	-20.68	U	40.5	68.2	pCi/L	0.50	1
Thorium-231	-4.59	U	23.63	U	35.8	57.7	pCi/L	0.47	1
Thorium-234	25.5	U	88.72	U	130	196	pCi/L	0.32	1

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-90392/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95626 — **Prep Batch: 90392**

Analyte	MB Result	MB Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Radium-226	-0.03393	U	1.00	0.102	pCi/g		12/09/13 08:58	01/01/14 15:58	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*107*		*40 - 110*	*12/09/13 08:58*	*01/01/14 15:58*	*1*

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-90392/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95626 — **Prep Batch: 90392**

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	MDC	Unit	%Rec	%Rec. Limits
Radium-226	11.2	10.31		1.06	0.100	pCi/g	92	65 - 140

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*109*		*40 - 110*

Lab Sample ID: 680-96723-6 DU — **Client Sample ID: DD-B-4_SS**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95626 — **Prep Batch: 90392**

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	MDC	Unit	RER	RER Limit
Radium-226	5.23		5.383		0.616	0.0965	pCi/g	0.13	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*96.8*		*40 - 110*

Method: 903.0 - Total Alpha-Emitting Radium Isotopes by GFPC

Lab Sample ID: MB 160-89951/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 95040 — **Prep Batch: 89951**

Analyte	MB Result	MB Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Radium-226	-0.04968	U	1.00	0.108	pCi/L		12/05/13 13:16	12/27/13 09:45	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*104*		*40 - 110*	*12/05/13 13:16*	*12/27/13 09:45*	*1*

Lab Sample ID: LCS 160-89951/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 95040 — **Prep Batch: 89951**

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	MDC	Unit	%Rec	%Rec. Limits
Radium-226	11.2	10.56		1.07	0.100	pCi/L	94	68 - 137

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*102*		*40 - 110*

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-89952/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 94685 — **Prep Batch: 89952**

Analyte	MB Result	MB Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Radium-228	0.07333	U	1.00	0.315	pCi/L		12/05/13 13:32	12/24/13 11:47	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*104*		*40 - 110*	*12/05/13 13:32*	*12/24/13 11:47*	*1*
Y Carrier	*88.6*		*40 - 110*	*12/05/13 13:32*	*12/24/13 11:47*	*1*

Lab Sample ID: LCS 160-89952/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 94685 — **Prep Batch: 89952**

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	MDC	Unit	%Rec	%Rec. Limits
Radium-228	4.04	4.167		0.583	0.334	pCi/L	103	56 - 140

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*102*		*40 - 110*
Y Carrier	*80.0*		*40 - 110*

Lab Sample ID: MB 160-90394/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95465 — **Prep Batch: 90394**

Analyte	MB Result	MB Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Radium-228	0.08244	U	1.00	0.398	pCi/g		12/09/13 09:05	12/30/13 10:59	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*107*		*40 - 110*	*12/09/13 09:05*	*12/30/13 10:59*	*1*
Y Carrier	*83.7*		*40 - 110*	*12/09/13 09:05*	*12/30/13 10:59*	*1*

Lab Sample ID: LCS 160-90394/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95465 — **Prep Batch: 90394**

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	MDC	Unit	%Rec	%Rec. Limits
Radium-228	4.04	4.259		0.586	0.364	pCi/g	106	61 - 139

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*109*		*40 - 110*
Y Carrier	*86.4*		*40 - 110*

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: 680-96723-6 DU — **Client Sample ID: DD-B-4_SS**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 95465 — **Prep Batch: 90394**

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	MDC	Unit	RER	RER Limit
Radium-228	1.33		1.392		0.356	0.419	pCi/g	0.09	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*96.8*		*40 - 110*
Y Carrier	*86.4*		*40 - 110*

Method: A-01-R - Isotopic Thorium (Alpha Spectrometry)

Lab Sample ID: MB 160-100377/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 101400 — **Prep Batch: 100377**

Analyte	MB Result	MB Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Thorium-228	0.01396	U	1.00	0.0885	pCi/g		01/22/14 08:12	01/24/14 19:12	1
Thorium-230	0.1199		1.00	0.0685	pCi/g		01/22/14 08:12	01/24/14 19:12	1
Thorium-232	0.003132	U	1.00	0.0767	pCi/g		01/22/14 08:12	01/24/14 19:12	1

Tracer	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Thorium-229	*94.3*		*30 - 110*	*01/22/14 08:12*	*01/24/14 19:12*	*1*

Lab Sample ID: LCS 160-100377/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 101410 — **Prep Batch: 100377**

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	MDC	Unit	%Rec	%Rec. Limits
Thorium-230	24.5	26.31		2.69	0.158	pCi/g	107	81 - 118

Tracer	*LCS %Yield*	*LCS Qualifier*	*Limits*
Thorium-229	*82.3*		*30 - 110*

Lab Sample ID: 680-96723-6 DU — **Client Sample ID: DD-B-4_SS**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 101421 — **Prep Batch: 100377**

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	MDC	Unit	RER	RER Limit
Thorium-228	1.90		1.890		0.347	0.113	pCi/g	0.02	1
Thorium-230	5.58		5.796		0.723	0.0795	pCi/g	0.15	1
Thorium-232	1.49		1.940		0.349	0.0556	pCi/g	0.71	1

Tracer	*DU %Yield*	*DU Qualifier*	*Limits*
Thorium-229	*76.1*		*30 - 110*

Method: A-01-R - Isotopic Thorium (Alpha Spectrometry) (Continued)

Lab Sample ID: MB 160-100386/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 100960 — **Prep Batch: 100386**

Analyte	MB Result	MB Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Thorium-228	-0.008344	U	1.00	0.116	pCi/L		01/22/14 08:57	01/23/14 22:10	1
Thorium-230	0.1637	U	1.00	0.255	pCi/L		01/22/14 08:57	01/23/14 22:10	1
Thorium-232	-0.04458	U	1.00	0.190	pCi/L		01/22/14 08:57	01/23/14 22:10	1

Tracer	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Thorium-229	*83.1*		*30 - 110*	*01/22/14 08:57*	*01/23/14 22:10*	*1*

Lab Sample ID: LCS 160-100386/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 100961 — **Prep Batch: 100386**

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	MDC	Unit	%Rec	%Rec. Limits
Thorium-230	8.64	9.640		1.27	0.217	pCi/L	112	81 - 125

Tracer	*LCS %Yield*	*LCS Qualifier*	*Limits*
Thorium-229	*76.3*		*30 - 110*

Lab Sample ID: LCSD 160-100386/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 100977 — **Prep Batch: 100386**

Analyte	Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Thorium-230	8.64	9.553		1.25	0.220	pCi/L	111	81 - 125	0.03	1

Tracer	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Thorium-229	*77.7*		*30 - 110*

Method: A-01-R - Isotopic Uranium (Alpha Spectrometry)

Lab Sample ID: MB 160-96698/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 99000 — **Prep Batch: 96698**

Analyte	MB Result	MB Qualifier	RL	MDC	Unit	D	Prepared	Analyzed	Dil Fac
Uranium-235/236	0.01335	U	1.00	0.0400	pCi/g		01/06/14 12:37	01/16/14 23:40	1
Uranium-238	0.004683	U	1.00	0.0609	pCi/g		01/06/14 12:37	01/16/14 23:40	1
Uranium-233/234	0.02145	U	1.00	0.0322	pCi/g		01/06/14 12:37	01/16/14 23:40	1

Tracer	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Uranium-232	*87.5*		*30 - 110*	*01/06/14 12:37*	*01/16/14 23:40*	*1*