

Compounds	QUANT SIG					AMOUNTS		REVIEW CODE
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)	
	=====	=====	=====	=====	=====	=====	=====	
131 p-Dimethylaminoazobenzene	225	23.214	23.227	(0.921)	154767	50.0000	49.8	
132 Chlorobenzilate	251	23.390	23.403	(0.928)	229962	50.0000	49.5	
134 3,3'-Dimethylbenzidine	212	24.001	24.014	(0.952)	256377	50.0000	52.7	
135 Butylbenzylphthalate	149	24.146	24.159	(0.958)	409007	50.0000	48.7	
136 Bis(2-ethylhexyl)adipate	129	24.508	24.531	(0.972)	379519	50.0000	49.5	
137 2-Acetylaminofluorene	181	24.591	24.614	(0.975)	209522	50.0000	54.1	
139 Benzo(a)anthracene	228	25.191	25.204	(0.999)	582745	50.0000	49.6	
* 140 Chrysene-D12	240	25.212	25.225	(1.000)	500835	40.0000		
142 Chrysene	228	25.274	25.287	(1.002)	535673	50.0000	50.0	
141 3,3'-Dichlorobenzidine	252	25.243	25.256	(1.001)	164930	50.0000	52.6	
143 bis(2-Ethylhexyl)phthalate	149	25.646	25.659	(1.017)	554245	50.0000	49.0	
144 Di-n-octylphthalate	149	27.106	27.119	(0.957)	811450	50.0000	46.4	
145 Benzo(b)fluoranthene	252	27.572	27.584	(0.973)	445084	50.0000	49.8	
146 7,12-Dimethylbenz(A)Anthracen	256	27.603	27.605	(0.974)	216892	50.0000	48.3	
147 Benzo(k)fluoranthene	252	27.644	27.657	(0.976)	438085	50.0000	47.7 (H)	
148 Benzo(a)pyrene	252	28.213	28.226	(0.996)	371502	50.0000	50.8	
* 149 Perylene-D12	264	28.327	28.330	(1.000)	337999	40.0000		
150 3-Methylcholanthrene	268	28.959	28.961	(1.022)	165642	50.0000	52.1	
152 Dibenz(a,j)acridine	279	30.128	30.131	(1.064)	181582	50.0000	54.8	
153 Indeno(1,2,3-cd)pyrene	276	30.470	30.472	(1.076)	218737	50.0000	52.2	
154 Dibenzo(a,h)anthracene	278	30.552	30.555	(1.079)	219954	50.0000	51.2	
155 Benzo(g,h,i)perylene	276	31.060	31.062	(1.096)	243653	50.0000	53.5	

QC Flag Legend

T - Target compound detected outside RT window.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\target_server\egs\chem\gcms-u.i\U070314.b\U6267.D

Date : 03-JUL-2014 10:31

Client ID:

Sample Info: MCI45897-4

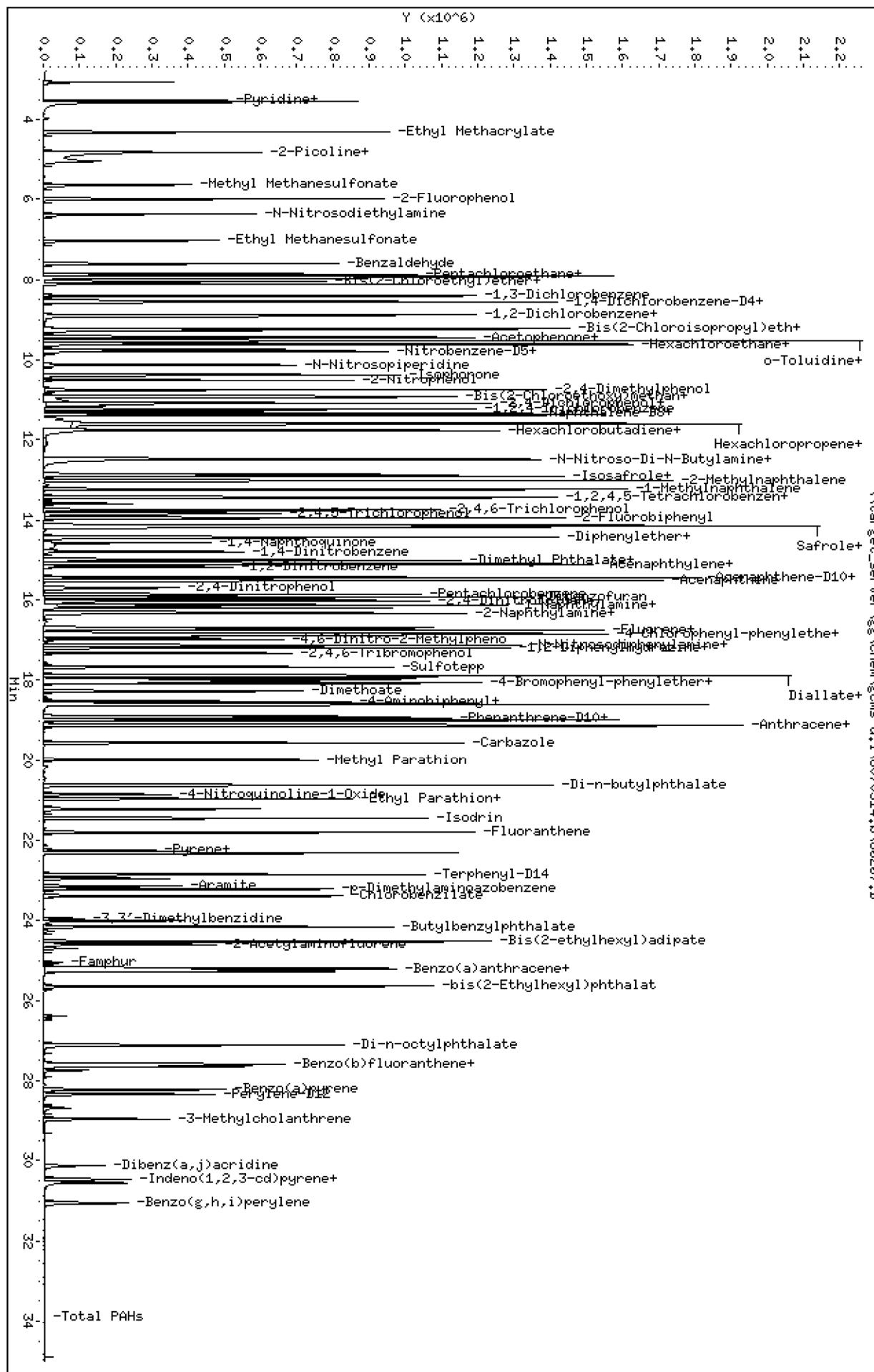
Volume Injected (uL): 1.0

Column phase: ZB5-MS

Instrument: gcms-u.i

Operator: JCG

Column diameter: 0.25



Data File: \\target_server\gg\chem\gcms-u.i\U070314.b\U6268.D
Report Date: 08-Jul-2014 13:58

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-u.i\U070314.b\U6268.D
Lab Smp Id: WG145897-2
Inj Date : 03-JUL-2014 11:17
Operator : JCG
Smp Info : WG145897-2
Misc Info :
Comment :
Method : \\target_server\gg\chem\gcms-u.i\U070314.b\U8270C60.m
Meth Date : 03-Jul-2014 15:18 gcms-u.i Quant Type: ISTD
Cal Date : 03-JUL-2014 11:17 Cal File: U6268.D
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.12
Compound Sublist: all_DOD.sub

Concentration Formula: Amt * DF * Uf*(Vt/Vo*Vi)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG						AMOUNTS		REVIEW CODE
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)	
1 1,4-Dioxane	58			3.061	3.106 (0.270)		26560	10.0000	11.5	
3 Pyridine	79			3.569	3.603 (0.419)		81270	10.0000	9.72 (a)	
2 N-Nitrosodimethylamine	42			3.506	3.593 (0.412)		44674	10.0000	10.0	
4 Ethyl Methacrylate	69			4.293	4.348 (0.504)		62368	10.0000	10.3	
5 2-Picoline	93			4.831	4.825 (0.567)		70335	10.0000	9.14 (a)	
6 N-Nitrosomethylethylamine	88			5.038	5.073 (0.592)		30946	10.0000	9.17 (a)	
7 Methyl Methanesulfonate	80			5.608	5.663 (0.658)		48271	10.0000	9.63 (a)	
\$ 8 2-Fluorophenol	112			5.970	6.025 (0.701)		73001	10.0000	10.0	
9 N-Nitrosodiethylamine	102			6.363	6.408 (0.747)		36231	10.0000	9.76 (a)	
10 Ethyl Methanesulfonate	79			7.015	7.071 (0.824)		52398	10.0000	9.08 (a)	
11 Benzaldehyde	77			7.595	7.619 (0.892)		49509	10.0000	12.8	
14 Pentachloroethane	117			7.905	7.930 (0.928)		29377	10.0000	10.6	
12 Aniline	93			7.843	7.888 (0.921)		108713	10.0000	9.82 (a)	
16 Bis(2-Chloroethyl)ether	93			8.029	8.074 (0.943)		69663	10.0000	10.1	
\$ 13 Phenol-D6	99			7.905	7.961 (0.928)		80264	10.0000	9.94 (a)	
15 Phenol	94			7.926	7.992 (0.931)		89955	10.0000	10.1	
17 2-Chlorophenol	128			8.092	8.137 (0.950)		73880	10.0000	10.1	
18 1,3-Dichlorobenzene	146			8.392	8.416 (0.985)		85500	10.0000	10.5	
* 19 1,4-Dichlorobenzene-D4	152			8.516	8.540 (1.000)		232750	40.0000		
20 1,4-Dichlorobenzene	146			8.547	8.582 (1.004)		86830	10.0000	10.5	
21 1,2-Dichlorobenzene	146			8.868	8.892 (1.041)		83934	10.0000	10.6	

Compounds	QUANT SIG				RESPONSE	AMOUNTS		REVIEW CODE
	MASS	RT	EXP RT	REL RT		CAL-AMT (ug/ml)	ON-COL (ug/ml)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
22 Benzyl alcohol	108	8.889	8.954 (1.044)		43309	10.0000	8.96 (a)	
24 Bis(2-Chloroisopropyl)ether	45	9.220	9.244 (1.083)		121435	10.0000	10.2	
25 2,2'-Oxybis(1-chloropropane)	45	9.220	9.244 (1.083)		121435	10.0000	10.2	
23 2-Methylphenol	108	9.209	9.254 (1.081)		67449	10.0000	9.65 (a)	
27 Acetophenone	105	9.427	9.472 (0.833)		99074	10.0000	10.3	
32 Hexachloroethane	117	9.592	9.617 (1.126)		36470	10.0000	10.7	
26 N-Nitrosopyrrolidine	100	9.375	9.523 (1.101)		33505	10.0000	9.54 (a)	
29 o-Toluidine	106	9.499	9.555 (1.115)		110113	10.0000	10.2 (a)	
28 N-Nitrosomorpholine	56	9.458	9.575 (1.111)		50067	10.0000	9.29 (a)	
30 N-Nitroso-di-n-propylamine	70	9.499	9.596 (1.115)		53142	10.0000	9.74 (a)	
31 3&4-Methylphenol	108	9.572	9.648 (1.124)		69137	10.0000	9.69 (a)	
\$ 33 Nitrobenzene-D5	82	9.727	9.772 (0.859)		75871	10.0000	10.2	
34 Nitrobenzene	77	9.768	9.824 (0.863)		75315	10.0000	10.2	
35 N-Nitrosopiperidine	114	10.099	10.176 (0.892)		34693	10.0000	9.84 (a)	
36 Isophorone	82	10.348	10.403 (0.914)		139964	10.0000	10.1	
37 2-Nitrophenol	139	10.493	10.527 (0.927)		38252	10.0000	9.89 (a)	
38 2,4-Dimethylphenol	107	10.741	10.797 (0.949)		74707	10.0000	10.2	
40 Bis(2-Chloroethoxy)methane	93	10.927	10.973 (0.965)		88695	10.0000	9.27 (a)	
39 O,O,O-Triethylphosphorothioat	198	10.896	10.952 (0.963)		28745	10.0000	10.4	
41 2,4-Dichlorophenol	162	11.083	11.128 (0.979)		53176	10.0000	10.0	
43 1,2,4-Trichlorobenzene	180	11.228	11.252 (0.992)		63119	10.0000	10.7	
* 44 Naphthalene-D8	136	11.321	11.345 (1.000)		883425	40.0000		
42 Benzoic acid	122	11.000	11.335 (0.972)		29240	10.0000	8.40 (a)	
45 Naphthalene	128	11.373	11.407 (1.005)		199369	10.0000	10.9	
48 Hexachloropropene	213	11.611	11.635 (1.026)		42077	10.0000	11.1	
47 2,6-Dichlorophenol	162	11.600	11.614 (1.025)		50848	10.0000	10.9	
46 4-Chloroaniline	127	11.590	11.625 (1.024)		81172	10.0000	10.8	
50 Hexachlorobutadiene	225	11.766	11.780 (1.039)		37299	10.0000	11.2	
53 N-Nitroso-Di-N-Butylamine	84	12.470	12.525 (1.101)		50534	10.0000	9.86 (a)	
52 Caprolactam	113	12.387	12.660 (1.094)		17422	10.0000	9.10 (aQ)	
51 p-Phenylenediamine	108	12.439	12.525 (1.099)		62505	10.0000	11.9	
55 Isosafrole	162	12.894	12.918 (1.139)		45725	10.0000	10.3	
56 2-Methylnaphthalene	142	13.008	13.032 (1.149)		135005	10.0000	10.5	
54 4-Chloro-3-Methylphenol	107	12.842	12.918 (1.134)		60975	10.0000	10.2	
57 1-Methylnaphthalene	142	13.225	13.250 (1.168)		124962	10.0000	10.4	
59 1,2,4,5-Tetrachlorobenzene	216	13.422	13.446 (0.870)		55703	10.0000	10.9	
60 Hexachlorocyclopentadiene	237	13.432	13.457 (0.871)		41038	10.0000	10.6	
61 2,4,6-Trichlorophenol	196	13.743	13.777 (0.891)		37267	10.0000	10.2	
\$ 63 2-Fluorobiphenyl	172	13.939	13.974 (0.903)		125845	10.0000	10.8	
62 2,4,5-Trichlorophenol	196	13.836	13.871 (0.897)		37874	10.0000	9.72 (a)	
64 Safrole	104	14.105	14.150 (0.914)		24974	10.0000	10.4 (Q)	
65 2-Chloronaphthalene	162	14.115	14.150 (0.915)		164324	10.0000	10.8 (H)	
66 1,1'-Biphenyl	154	14.136	14.181 (0.916)		148060	10.0000	8.79 (a)	
67 1-Chloronaphthalene	162	14.167	14.212 (0.918)		107567	10.0000	10.7	
68 Diphenylether	170	14.415	14.440 (0.934)		71590	10.0000	10.4	
69 2-Nitroaniline	65	14.436	14.481 (0.936)		42247	10.0000	9.58 (a)	
70 1,4-Naphthoquinone	158	14.560	14.585 (0.944)		36022	10.0000	13.3	
71 1,4-Dinitrobenzene	75	14.767	14.823 (0.957)		22158	10.0000	9.19 (a)	
75 Acenaphthylene	152	15.078	15.113 (0.977)		191839	10.0000	10.9	
73 Dimethyl Phthalate	163	14.974	15.061 (0.970)		129384	10.0000	10.9 (M)	M6
72 1,3-Dinitrobenzene	168	14.954	15.030 (0.969)		18301	10.0000	9.69 (a)	
74 2,6-Dinitrotoluene	165	15.047	15.123 (0.975)		27804	10.0000	10.5	
76 1,2-Dinitrobenzene	50	15.140	15.226 (0.981)		22200	10.0000	10.1	
* 78 Acenaphthene-D10	164	15.430	15.454 (1.000)		415278	40.0000		

DJP
8:16 am, Jul 16, 2014

Data File: \\target_server\gg\chem\gcms-u.i\U070314.b\U6268.D
 Report Date: 08-Jul-2014 13:58

Compounds	QUANT SIG			RESPONSE	AMOUNTS		REVIEW CODE
	MASS	RT	EXP RT		CAL-AMT (ug/ml)	ON-COL (ug/ml)	
=====	=====	=====	=====	=====	=====	=====	=====
79 Acenaphthene	153	15.502	15.547	(1.005)	114370	10.0000	10.6
77 3-Nitroaniline	138	15.419	15.506	(0.999)	30422	10.0000	9.36 (a)
80 2,4-Dinitrophenol	184	15.689	15.775	(1.017)	14710	10.0000	8.44 (a)
82 Dibenzofuran	168	15.927	15.972	(1.032)	149309	10.0000	10.4
81 Pentachlorobenzene	250	15.854	15.889	(1.028)	49334	10.0000	10.6
85 1-Naphthylamine	143	16.113	16.179	(1.044)	128286	10.0000	10.6
84 2,4-Dinitrotoluene	165	15.999	16.085	(1.037)	37167	10.0000	10.6
86 2,3,5,6-Tetrachlorophenol	232	16.185	16.230	(1.049)	32233	10.0000	10.4
88 2-Naphthylamine	143	16.310	16.396	(1.057)	126867	10.0000	10.7
83 4-Nitrophenol	139	16.009	16.096	(1.038)	22224	10.0000	9.78 (a)
87 2,3,4,6-Tetrachlorophenol	232	16.289	16.334	(1.056)	31041	10.0000	10.2
90 Fluorene	166	16.734	16.779	(1.085)	124087	10.0000	10.8
89 Diethylphthalate	149	16.682	16.738	(1.081)	139321	10.0000	10.9
91 4-Chlorophenyl-phenylether	204	16.817	16.851	(1.090)	57878	10.0000	10.7
93 O,O-diethyl-o-2-pyrazinylphos	107	16.848	16.913	(1.092)	29235	10.0000	11.6 (a)
92 5-Nitro-O-Toluidine	152	16.827	16.934	(1.091)	33776	10.0000	10.5 (Q)
94 4-Nitroaniline	138	16.868	16.996	(1.093)	27405	10.0000	10.0 (a)
95 4,6-Dinitro-2-Methylphenol	198	16.951	17.048	(0.896)	20128	10.0000	9.14 (a)
96 N-Nitrosodiphenylamine	169	17.117	17.172	(0.904)	102638	10.0000	10.2
97 N-Nitrosodiphenylamine/DPA	169	17.117	17.172	(0.904)	102638	10.0000	10.2
98 1,2-Diphenylhydrazine	77	17.179	17.224	(0.908)	142417	10.0000	9.56 (a)
99 Azobenzene	77	17.179	17.224	(0.908)	142417	10.0000	9.56 (a)
\$ 100 2,4,6-Tribromophenol	330	17.314	17.359	(1.122)	21925	10.0000	10.7
101 Sulfotep	97	17.655	17.710	(0.933)	25662	10.0000	10.5
103 Diallate	86	17.872	17.917	(0.944)	55867	10.0000	10.8
105 4-Bromophenyl-phenylether	248	17.966	18.000	(0.949)	37889	10.0000	10.5
104 Phorate	75	17.872	17.928	(0.944)	115627	10.0000	11.0 (H)
102 1,3,5-Trinitrobenzene	213	17.841	17.969	(0.943)	9230	10.0000	10.5 (Q)
106 Phenacetin	108	17.976	18.114	(0.950)	66461	10.0000	10.6 (H)
107 Hexachlorobenzene	284	18.048	18.093	(0.954)	44194	10.0000	10.4
108 Dimethoate	87	18.224	18.331	(0.963)	55855	10.0000	8.61 (a)
109 Atrazine	200	18.504	18.570	(0.978)	35584	10.0000	13.4 (H)
111 4-Aminobiphenyl	169	18.587	18.642	(0.982)	125951	10.0000	9.18 (a)
110 Pentachlorophenol	266	18.566	18.621	(0.981)	28315	10.0000	10.8 (a)
112 Pentachloronitrobenzene	237	18.587	18.632	(0.982)	17808	10.0000	11.8
* 114 Phenanthrene-D10	188	18.928	18.963	(1.000)	745105	40.0000	
113 Pronamide	173	18.876	18.942	(0.997)	57641	10.0000	11.1
115 Phenanthrene	178	18.970	19.025	(1.002)	199996	10.0000	11.1
116 Anthracene	178	19.094	19.149	(1.009)	196814	10.0000	11.4
118 Disulfoton	88	19.125	19.159	(1.010)	79331	10.0000	10.6
117 Dinoseb	211	19.104	19.147	(1.009)	28368	10.0000	10.8
119 Carbazole	167	19.539	19.594	(1.032)	153765	10.0000	10.8
120 Methyl Parathion	109	19.984	20.008	(1.056)	52184	10.0000	9.28 (a)
121 Di-n-butylphthalate	149	20.615	20.650	(1.089)	260790	10.0000	11.9
123 Ethyl Parathion	291	20.957	20.991	(1.107)	12526	10.0000	11.2 (a)
125 Isodrin	193	21.443	21.457	(1.133)	24428	10.0000	11.4
126 Fluoranthene	202	21.785	21.830	(1.151)	194861	10.0000	12.0
128 Pyrene	202	22.292	22.337	(0.885)	208095	10.0000	10.2
\$ 129 Terphenyl-D14	244	22.841	22.865	(0.906)	137779	10.0000	10.3
130 Aramite	185	23.130	23.155	(0.918)	13765	10.0000	11.3 (a)
131 p-Dimethylaminoazobenzene	225	23.203	23.227	(0.921)	34376	10.0000	9.97 (a)
132 Chlorobenzilate	251	23.379	23.403	(0.928)	51482	10.0000	9.98 (a)
135 Butylbenzylphthalate	149	24.145	24.159	(0.958)	101013	10.0000	10.8
136 Bis(2-ethylhexyl)adipate	129	24.507	24.531	(0.972)	86694	10.0000	10.2

Compounds	QUANT SIG					AMOUNTS		REVIEW CODE
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)	
	=====	=====	=====	=====	=====	=====	=====	
137 2-Acetylaminofluorene	181	24.579	24.614	(0.975)	33668	10.0000	7.82 (a)	
139 Benzo(a)anthracene	228	25.180	25.204	(0.999)	133413	10.0000	10.2	
* 140 Chrysene-D12	240	25.200	25.225	(1.000)	556510	40.0000		
142 Chrysene	228	25.252	25.287	(1.002)	127772	10.0000	10.7	
141 3,3'-Dichlorobenzidine	252	25.242	25.256	(1.002)	30109	10.0000	8.64 (a)	
143 bis(2-Ethylhexyl)phthalate	149	25.645	25.659	(1.018)	132019	10.0000	10.5	
144 Di-n-octylphthalate	149	27.105	27.119	(0.957)	179398	10.0000	10.3	
145 Benzo(b)fluoranthene	252	27.560	27.584	(0.973)	91869	10.0000	10.3	
146 7,12-Dimethylbenz (A) Anthracen	256	27.581	27.605	(0.974)	48716	10.0000	10.9	
147 Benzo(k)fluoranthene	252	27.622	27.657	(0.975)	102352	10.0000	11.2 (H)	
148 Benzo(a)pyrene	252	28.202	28.226	(0.996)	69071	10.0000	9.50 (a)	
* 149 Perylene-D12	264	28.326	28.330	(1.000)	336155	40.0000		
150 3-Methylcholanthrene	268	28.947	28.961	(1.022)	29866	10.0000	9.45 (a)	
152 Dibenzo (a,j)acridine	279	30.117	30.131	(1.063)	28377	10.0000	8.62 (a)	
153 Indeno (1,2,3-cd)pyrene	276	30.458	30.472	(1.075)	36961	10.0000	8.86 (a)	
154 Dibenzo (a,h)anthracene	278	30.541	30.555	(1.078)	37633	10.0000	8.80 (a)	
155 Benzo (g,h,i)perylene	276	31.048	31.062	(1.096)	44149	10.0000	9.75 (a)	

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Column diameter: 0.25



Data File: \\target_server\gg\chem\gcms-u.i\U070314.b\U6269.D
 Report Date: 08-Jul-2014 13:59

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-u.i\U070314.b\U6269.D
 Lab Smp Id: WG145897-3
 Inj Date : 03-JUL-2014 12:01
 Operator : JCG
 Smp Info : WG145897-3
 Misc Info :
 Comment :
 Method : \\target_server\gg\chem\gcms-u.i\U070314.b\U8270C60.m
 Meth Date : 03-Jul-2014 15:18 gcms-u.i Quant Type: ISTD
 Cal Date : 03-JUL-2014 12:01 Cal File: U6269.D
 Als bottle: 4 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.12
 Compound Sublist: all_DOD.sub

Concentration Formula: Amt * DF * Uf*(Vt/Vo*Vi)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG						AMOUNTS		REVIEW CODE
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)	
1 1,4-Dioxane	58			3.054	3.106 (0.270)		66604	25.0000	26.8	
3 Pyridine	79			3.540	3.603 (0.416)		235656	25.0000	26.8 (a)	
2 N-Nitrosodimethylamine	42			3.499	3.593 (0.411)		121444	25.0000	25.9	
4 Ethyl Methacrylate	69			4.296	4.348 (0.504)		165746	25.0000	25.9	
5 2-Picoline	93			4.803	4.825 (0.564)		208229	25.0000	25.7	
6 N-Nitrosomethylethylamine	88			5.031	5.073 (0.591)		73367	25.0000	20.7 (Q)	
7 Methyl Methanesulfonate	80			5.610	5.663 (0.659)		130880	25.0000	24.8	
\$ 8 2-Fluorophenol	112			5.973	6.025 (0.701)		193987	25.0000	25.4	
9 N-Nitrosodiethylamine	102			6.356	6.408 (0.746)		95232	25.0000	24.4	
10 Ethyl Methanesulfonate	79			7.018	7.071 (0.824)		148700	25.0000	24.5	
11 Benzaldehyde	77			7.587	7.619 (0.891)		121265	25.0000	29.9	
14 Pentachloroethane	117			7.908	7.930 (0.928)		76392	25.0000	26.2	
12 Aniline	93			7.846	7.888 (0.921)		286156	25.0000	24.6 (a)	
16 Bis(2-Chloroethyl)ether	93			8.032	8.074 (0.943)		184462	25.0000	25.4	
\$ 13 Phenol-D6	99			7.908	7.961 (0.928)		211047	25.0000	24.8	
15 Phenol	94			7.929	7.992 (0.931)		241154	25.0000	25.9	
17 2-Chlorophenol	128			8.094	8.137 (0.950)		193335	25.0000	25.2	
18 1,3-Dichlorobenzene	146			8.384	8.416 (0.984)		226495	25.0000	26.4	
* 19 1,4-Dichlorobenzene-D4	152			8.519	8.540 (1.000)		244826	40.0000		
20 1,4-Dichlorobenzene	146			8.550	8.582 (1.004)		227751	25.0000	26.3	
21 1,2-Dichlorobenzene	146			8.871	8.892 (1.041)		216006	25.0000	26.0	

Compounds	QUANT SIG			RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
	MASS							CAL-AMT (ug/ml)	ON-COL (ug/ml)	
=====	=====			=====	=====	=====	=====	=====	=====	=====
22 Benzyl alcohol	108			8.891	8.954 (1.044)		119702	25.0000	23.6	
24 Bis(2-Chloroisopropyl)ether	45			9.223	9.244 (1.083)		317156	25.0000	25.2	
25 2,2'-Oxybis(1-chloropropane)	45			9.223	9.244 (1.083)		317156	25.0000	25.2	
23 2-Methylphenol	108			9.233	9.254 (1.084)		179298	25.0000	24.4	
27 Acetophenone	105			9.430	9.472 (0.833)		267517	25.0000	25.9	
32 Hexachloroethane	117			9.595	9.617 (1.126)		96026	25.0000	26.9	
26 N-Nitrosopyrrolidine	100			9.378	9.523 (1.101)		88621	25.0000	24.0	
29 o-Toluidine	106			9.502	9.555 (1.115)		298809	25.0000	26.3	
28 N-Nitrosomorpholine	56			9.461	9.575 (1.111)		145294	25.0000	25.6	
30 N-Nitroso-di-n-propylamine	70			9.502	9.596 (1.115)		143388	25.0000	25.0	
31 3&4-Methylphenol	108			9.575	9.648 (1.124)		185503	25.0000	24.7	
\$ 33 Nitrobenzene-D5	82			9.730	9.772 (0.859)		203700	25.0000	25.4	
34 Nitrobenzene	77			9.771	9.824 (0.863)		201907	25.0000	25.5	
35 N-Nitrosopiperidine	114			10.102	10.176 (0.892)		96432	25.0000	25.4	
36 Isophorone	82			10.351	10.403 (0.914)		374682	25.0000	25.1	
37 2-Nitrophenol	139			10.496	10.527 (0.927)		107655	25.0000	25.9	
38 2,4-Dimethylphenol	107			10.744	10.797 (0.949)		203104	25.0000	25.8	
40 Bis(2-Chloroethoxy)methane	93			10.930	10.973 (0.965)		275322	25.0000	26.8	
39 O,O,O-Triethylphosphorothioat	198			10.899	10.952 (0.963)		78660	25.0000	26.4	
41 2,4-Dichlorophenol	162			11.086	11.128 (0.979)		153043	25.0000	26.9	
43 1,2,4-Trichlorobenzene	180			11.231	11.252 (0.992)		165993	25.0000	26.2	
* 44 Naphthalene-D8	136			11.324	11.345 (1.000)		950347	40.0000		
42 Benzoic acid	122			11.065	11.335 (0.977)		77980	25.0000	20.8 (a)	
45 Naphthalene	128			11.365	11.407 (1.004)		527638	25.0000	26.8	
49 A,A-Dimethylphenethylamine	58			11.427	12.287 (1.009)		540269	25.0000	28.7 (M)	M9
48 Hexachloropropene	213			11.614	11.635 (1.026)		113542	25.0000	27.8	
47 2,6-Dichlorophenol	162			11.593	11.614 (1.024)		133968	25.0000	26.7	
46 4-Chloroaniline	127			11.582	11.625 (1.023)		218944	25.0000	27.2	
50 Hexachlorobutadiene	225			11.758	11.780 (1.038)		96756	25.0000	27.0	
53 N-Nitroso-Di-N-Butylamine	84			12.462	12.525 (1.101)		137526	25.0000	24.9	
52 Caprolactam	113			12.410	12.660 (1.096)		50495	25.0000	24.5	
51 p-Phenylenediamine	108			12.442	12.525 (1.099)		162326	25.0000	28.7	
55 Isosafrole	162			12.887	12.918 (1.138)		127824	25.0000	26.8	
56 2-Methylnaphthalene	142			13.000	13.032 (1.148)		360152	25.0000	26.1	
54 4-Chloro-3-Methylphenol	107			12.845	12.918 (1.134)		164820	25.0000	25.6	
57 1-Methylnaphthalene	142			13.218	13.250 (1.167)		336957	25.0000	26.2	
59 1,2,4,5-Tetrachlorobenzene	216			13.414	13.446 (0.869)		147783	25.0000	27.9	
60 Hexachlorocyclopentadiene	237			13.435	13.457 (0.871)		113337	25.0000	28.2	
61 2,4,6-Trichlorophenol	196			13.735	13.777 (0.890)		101853	25.0000	26.8	
\$ 63 2-Fluorobiphenyl	172			13.932	13.974 (0.903)		328136	25.0000	27.0	
62 2,4,5-Trichlorophenol	196			13.828	13.871 (0.896)		104506	25.0000	25.8	
64 Safrole	104			14.108	14.150 (0.914)		70581	25.0000	28.3 (Q)	
65 2-Chloronaphthalene	162			14.118	14.150 (0.915)		435817	25.0000	27.6	
66 1,1'-Biphenyl	154			14.139	14.181 (0.916)		373226	25.0000	22.4	
67 1-Chloronaphthalene	162			14.170	14.212 (0.918)		279546	25.0000	26.8	
68 Diphenylether	170			14.408	14.440 (0.934)		197086	25.0000	27.5	
69 2-Nitroaniline	65			14.439	14.481 (0.936)		117678	25.0000	25.7	
70 1,4-Naphthoquinone	158			14.563	14.585 (0.944)		84429	25.0000	30.1	
71 1,4-Dinitrobenzene	75			14.760	14.823 (0.956)		64054	25.0000	25.6	
75 Acenaphthylene	152			15.081	15.113 (0.977)		509234	25.0000	27.9	
73 Dimethyl Phthalate	163			14.988	15.061 (0.971)		331455	25.0000	26.8	
72 1,3-Dinitrobenzene	168			14.957	15.030 (0.969)		50481	25.0000	25.7	
74 2,6-Dinitrotoluene	165			15.050	15.123 (0.975)		72428	25.0000	26.4	
76 1,2-Dinitrobenzene	50			15.143	15.226 (0.981)		59840	25.0000	26.3	

DJP
8:16 am, Jul 16, 2014

Data File: \\target_server\gg\chem\gcms-u.i\U070314.b\U6269.D
 Report Date: 08-Jul-2014 13:59

Compounds	QUANT SIG				RESPONSE	AMOUNTS		REVIEW CODE
	MASS	RT	EXP RT	REL RT		CAL-AMT (ug/ml)	ON-COL (ug/ml)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
* 78 Acenaphthene-D10	164	15.433	15.454	(1.000)	431470	40.0000		
79 Acenaphthene	153	15.505	15.547	(1.005)	305867	25.0000	27.4	
77 3-Nitroaniline	138	15.422	15.506	(0.999)	85481	25.0000	25.3	
80 2,4-Dinitrophenol	184	15.691	15.775	(1.017)	45024	25.0000	24.9 (a)	
82 Dibenzofuran	168	15.930	15.972	(1.032)	405916	25.0000	27.3	
81 Pentachlorobenzene	250	15.857	15.889	(1.027)	128734	25.0000	26.7	
85 1-Naphthylamine	143	16.116	16.179	(1.044)	333552	25.0000	26.6	
84 2,4-Dinitrotoluene	165	16.002	16.085	(1.037)	98301	25.0000	26.9	
86 2,3,5,6-Tetrachlorophenol	232	16.188	16.230	(1.049)	87726	25.0000	27.1	
88 2-Naphthylamine	143	16.323	16.396	(1.058)	328916	25.0000	26.8	
83 4-Nitrophenol	139	16.002	16.096	(1.037)	62710	25.0000	26.6	
87 2,3,4,6-Tetrachlorophenol	232	16.292	16.334	(1.056)	85418	25.0000	26.9	
90 Fluorene	166	16.737	16.779	(1.085)	318420	25.0000	26.7	
89 Diethylphthalate	149	16.685	16.738	(1.081)	360742	25.0000	27.2	
91 4-Chlorophenyl-phenylether	204	16.820	16.851	(1.090)	150130	25.0000	26.6	
93 O,O-diethyl-o-2-pyrazinylphos	107	16.851	16.913	(1.092)	70112	25.0000	26.7	
92 5-Nitro-O-Toluidine	152	16.840	16.934	(1.091)	88674	25.0000	26.6	
94 4-Nitroaniline	138	16.871	16.996	(1.093)	72810	25.0000	25.6	
95 4,6-Dinitro-2-Methylphenol	198	16.954	17.048	(0.896)	56220	25.0000	24.9 (a)	
96 N-Nitrosodiphenylamine	169	17.120	17.172	(0.904)	262784	25.0000	25.5	
97 N-Nitrosodiphenylamine/DPA	169	17.120	17.172	(0.904)	262784	25.0000	25.5	
98 1,2-Diphenylhydrazine	77	17.182	17.224	(0.908)	374808	25.0000	24.5	
99 Azobenzene	77	17.182	17.224	(0.908)	374808	25.0000	24.5	
\$ 100 2,4,6-Tribromophenol	330	17.316	17.359	(1.122)	56775	25.0000	26.6	
101 Sulfotep	97	17.658	17.710	(0.933)	64035	25.0000	25.7	
103 Diallate	86	17.875	17.917	(0.944)	131162	25.0000	24.8	
105 4-Bromophenyl-phenylether	248	17.969	18.000	(0.949)	91690	25.0000	24.8	
104 Phorate	75	17.875	17.928	(0.944)	292961	25.0000	27.2	
102 1,3,5-Trinitrobenzene	213	17.855	17.969	(0.943)	24954	25.0000	27.6 (Q)	
106 Phenacetin	108	17.989	18.114	(0.950)	163242	25.0000	25.4	
107 Hexachlorobenzene	284	18.051	18.093	(0.954)	111642	25.0000	25.8	
108 Dimethoate	87	18.238	18.331	(0.963)	118548	25.0000	18.6	
109 Atrazine	200	18.517	18.570	(0.978)	84350	25.0000	31.0	
111 4-Aminobiphenyl	169	18.590	18.642	(0.982)	302617	25.0000	22.7	
110 Pentachlorophenol	266	18.569	18.621	(0.981)	70699	25.0000	26.4	
112 Pentachloronitrobenzene	237	18.590	18.632	(0.982)	41118	25.0000	26.5	
* 114 Phenanthrene-D10	188	18.931	18.963	(1.000)	763610	40.0000		
113 Pronamide	173	18.879	18.942	(0.997)	143069	25.0000	27.0	
115 Phenanthrene	178	18.983	19.025	(1.003)	481225	25.0000	26.1	
116 Anthracene	178	19.097	19.149	(1.009)	469666	25.0000	26.5	
118 Disulfoton	88	19.128	19.159	(1.010)	206694	25.0000	27.0	
117 Dinoseb	211	19.117	19.147	(1.010)	70343	25.0000	26.1	
119 Carbazole	167	19.542	19.594	(1.032)	387326	25.0000	26.6	
120 Methyl Parathion	109	19.987	20.008	(1.056)	117896	25.0000	22.4	
121 Di-n-butylphthalate	149	20.618	20.650	(1.089)	598617	25.0000	26.6	
122 4-Nitroquinoline-1-Oxide	190	20.846	20.898	(1.101)	23388	25.0000	23.8 (a)	
123 Ethyl Parathion	291	20.960	20.991	(1.107)	30448	25.0000	26.5	
124 Methapyrilene	97	20.960	20.991	(1.107)	74093	25.0000	26.7 (Q)	
125 Isodrin	193	21.436	21.457	(1.132)	57512	25.0000	26.2	
126 Fluoranthene	202	21.798	21.830	(1.151)	455684	25.0000	27.4	
128 Pyrene	202	22.295	22.337	(0.885)	461679	25.0000	24.3	
127 Benzidine	184	22.243	22.265	(0.883)	125131	25.0000	24.9 (a)	
\$ 129 Terphenyl-D14	244	22.843	22.865	(0.906)	301799	25.0000	24.3	
130 Aramite	185	23.133	23.155	(0.918)	29311	25.0000	25.9	

Compounds	QUANT SIG			RESPONSE	AMOUNTS		REVIEW CODE
	MASS	RT	EXP RT	REL RT	CAL-AMT (ug/ml)	ON-COL (ug/ml)	
=====	=====	=====	=====	=====	=====	=====	=====
131 p-Dimethylaminoazobenzene	225	23.206	23.227	(0.921)	78769	25.0000	24.5
132 Chlorobenzilate	251	23.382	23.403	(0.928)	118368	25.0000	24.6
134 3,3'-Dimethylbenzidine	212	24.003	24.014	(0.952)	146996	25.0000	29.2
135 Butylbenzylphthalate	149	24.148	24.159	(0.958)	219825	25.0000	25.3
136 Bis(2-ethylhexyl)adipate	129	24.510	24.531	(0.972)	188523	25.0000	23.8
137 2-Acetylaminofluorene	181	24.582	24.614	(0.975)	106479	25.0000	26.5
139 Benzo(a)anthracene	228	25.183	25.204	(0.999)	319436	25.0000	26.2
* 140 Chrysene-D12	240	25.203	25.225	(1.000)	518721	40.0000	
142 Chrysene	228	25.255	25.287	(1.002)	296746	25.0000	26.8
141 3,3'-Dichlorobenzidine	252	25.234	25.256	(1.001)	86685	25.0000	26.7
143 bis(2-Ethylhexyl)phthalate	149	25.648	25.659	(1.018)	295522	25.0000	25.2
144 Di-n-octylphthalate	149	27.108	27.119	(0.957)	429358	25.0000	22.3
145 Benzo(b)fluoranthene	252	27.563	27.584	(0.973)	247437	25.0000	25.1
146 7,12-Dimethylbenz(A)Anthracen	256	27.594	27.605	(0.974)	122544	25.0000	24.8
147 Benzo(k)fluoranthene	252	27.625	27.657	(0.975)	261198	25.0000	25.8 (H)
148 Benzo(a)pyrene	252	28.205	28.226	(0.996)	209550	25.0000	26.0
* 149 Perylene-D12	264	28.329	28.330	(1.000)	372745	40.0000	
150 3-Methylcholanthrene	268	28.950	28.961	(1.022)	93016	25.0000	26.5
152 Dibenz(a,j)acridine	279	30.120	30.131	(1.063)	102491	25.0000	28.1
153 Indeno(1,2,3-cd)pyrene	276	30.461	30.472	(1.075)	131997	25.0000	28.6
154 Dibenzo(a,h)anthracene	278	30.544	30.555	(1.078)	135441	25.0000	28.6
155 Benzo(g,h,i)perylene	276	31.051	31.062	(1.096)	152829	25.0000	30.4

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: \\target_server\gs\chem\goms-u,i\U070314,b\U6269.D

Date : 03-JUL-2014 12:01

Client ID:

Sample Info: WJ145897-3

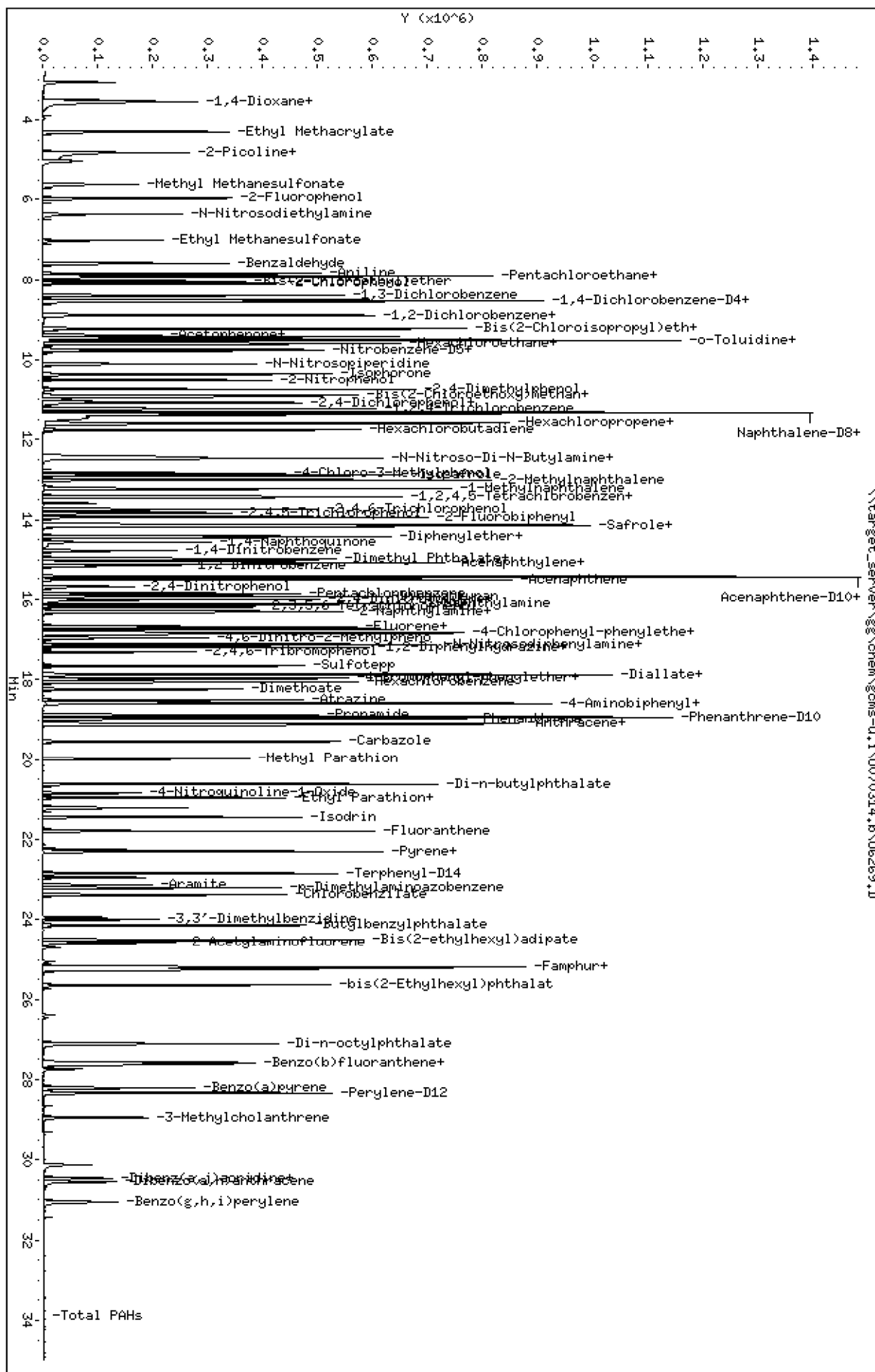
Volume Injected (uL): 1.0

Column phase: ZB5-MS

Instrument: goms-u,i

Operator: JCG

Column diameter: 0.25



Data File: \\target_server\gg\chem\gcms-u.i\U070314.b\U6270.D
Report Date: 08-Jul-2014 13:59

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-u.i\U070314.b\U6270.D
Lab Smp Id: WG145897-5
Inj Date : 03-JUL-2014 12:46
Operator : JCG
Smp Info : WG145897-5
Misc Info :
Comment :
Method : \\target_server\gg\chem\gcms-u.i\U070314.b\U8270C60.m
Meth Date : 03-Jul-2014 15:18 gcms-u.i Quant Type: ISTD
Cal Date : 03-JUL-2014 12:46 Cal File: U6270.D
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.12
Compound Sublist: all_DOD.sub

Concentration Formula: Amt * DF * Uf*(Vt/Vo*Vi)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG						AMOUNTS		REVIEW CODE
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)	
1 1,4-Dioxane	58			3.082	3.106 (0.272)		216226	75.0000	67.8	
3 Pyridine	79			3.569	3.603 (0.419)		775176	75.0000	73.5	
2 N-Nitrosodimethylamine	42			3.538	3.593 (0.415)		388876	75.0000	69.1	
4 Ethyl Methacrylate	69			4.314	4.348 (0.506)		546037	75.0000	71.3	
5 2-Picoline	93			4.801	4.825 (0.563)		724060	75.0000	74.6	
6 N-Nitrosomethylethylamine	88			5.049	5.073 (0.592)		326827	75.0000	76.8 (Q)	
7 Methyl Methanesulfonate	80			5.639	5.663 (0.661)		468257	75.0000	74.1	
\$ 8 2-Fluorophenol	112			6.001	6.025 (0.704)		651277	75.0000	71.1	
9 N-Nitrosodiethylamine	102			6.384	6.408 (0.749)		338902	75.0000	72.4	
10 Ethyl Methanesulfonate	79			7.047	7.071 (0.826)		537879	75.0000	73.9	
11 Benzaldehyde	77			7.605	7.619 (0.892)		312431	75.0000	64.2	
14 Pentachloroethane	117			7.916	7.930 (0.928)		247094	75.0000	70.8	
12 Aniline	93			7.875	7.888 (0.924)		1010401	75.0000	72.4	
16 Bis(2-Chloroethyl)ether	93			8.061	8.074 (0.945)		623910	75.0000	71.8	
\$ 13 Phenol-D6	99			7.937	7.961 (0.931)		732067	75.0000	71.9	
15 Phenol	94			7.968	7.992 (0.934)		788982	75.0000	70.6	
17 2-Chlorophenol	128			8.113	8.137 (0.951)		663526	75.0000	72.1	
18 1,3-Dichlorobenzene	146			8.402	8.416 (0.985)		732030	75.0000	71.2	
* 19 1,4-Dichlorobenzene-D4	152			8.527	8.540 (1.000)		293407	40.0000		
20 1,4-Dichlorobenzene	146			8.568	8.582 (1.005)		739062	75.0000	71.1	
21 1,2-Dichlorobenzene	146			8.879	8.892 (1.041)		703721	75.0000	70.8	

						AMOUNTS		
		QUANT		SIG		CAL-AMT	ON-COL	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/ml)	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====
22 Benzyl alcohol	108	8.920	8.954	(1.046)	447509	75.0000	73.5	
24 Bis(2-Chloroisopropyl)ether	45	9.230	9.244	(1.083)	1087554	75.0000	72.2	
25 2,2'-Oxybis(1-chloropropane)	45	9.230	9.244	(1.083)	1087554	75.0000	72.2	
23 2-Methylphenol	108	9.230	9.254	(1.083)	647926	75.0000	73.5 (M)	M9
27 Acetophenone	105	9.448	9.472	(0.834)	926397	75.0000	69.8	
32 Hexachloroethane	117	9.603	9.617	(1.126)	297845	75.0000	69.6	
26 N-Nitrosopyrrolidine	100	9.458	9.523	(1.109)	327989	75.0000	74.0	
29 o-Toluidine	106	9.531	9.555	(1.118)	977908	75.0000	72.0	
28 N-Nitrosomorpholine	56	9.520	9.575	(1.117)	501189	75.0000	73.8	
30 N-Nitroso-di-n-propylamine	70	9.551	9.596	(1.120)	508618	75.0000	74.0	
31 3&4-Methylphenol	108	9.613	9.648	(1.127)	649962	75.0000	72.2	
\$ 33 Nitrobenzene-D5	82	9.748	9.772	(0.860)	735874	75.0000	71.3	
34 Nitrobenzene	77	9.800	9.824	(0.865)	725751	75.0000	71.4	
35 N-Nitrosopiperidine	114	10.141	10.176	(0.895)	356473	75.0000	73.1	
36 Isophorone	82	10.379	10.403	(0.916)	1370753	75.0000	71.5	
37 2-Nitrophenol	139	10.514	10.527	(0.928)	388285	75.0000	72.6	
38 2,4-Dimethylphenol	107	10.773	10.797	(0.951)	723222	75.0000	71.4	
40 Bis(2-Chloroethoxy)methane	93	10.949	10.973	(0.966)	954343	75.0000	72.1	
39 O,O,O-Triethylphosphorothioat	198	10.928	10.952	(0.964)	273229	75.0000	71.3	
41 2,4-Dichlorophenol	162	11.104	11.128	(0.980)	523174	75.0000	71.5	
43 1,2,4-Trichlorobenzene	180	11.238	11.252	(0.992)	574756	75.0000	70.5	
* 44 Naphthalene-D8	136	11.331	11.345	(1.000)	1221456	40.0000		
42 Benzoic acid	122	11.218	11.335	(0.990)	393400	75.0000	81.7 (M)	M9
45 Naphthalene	128	11.383	11.407	(1.005)	1764228	75.0000	69.6	
49 A,A-Dimethylphenethylamine	58	11.880	12.287	(1.048)	1755977	75.0000	72.6 (M)	M9
48 Hexachloropropene	213	11.621	11.635	(1.026)	371918	75.0000	70.9	
47 2,6-Dichlorophenol	162	11.611	11.614	(1.025)	451387	75.0000	70.0	
46 4-Chloroaniline	127	11.601	11.625	(1.024)	718090	75.0000	69.3	
50 Hexachlorobutadiene	225	11.766	11.780	(1.038)	316306	75.0000	68.8	
53 N-Nitroso-Di-N-Butylamine	84	12.491	12.525	(1.102)	493735	75.0000	69.6	
52 Caprolactam	113	12.553	12.660	(1.108)	197473	75.0000	74.6	
51 p-Phenylenediamine	108	12.491	12.525	(1.102)	502343	75.0000	69.1	
55 Isosafrole	162	12.905	12.918	(1.139)	433671	75.0000	70.9	
56 2-Methylnaphthalene	142	13.019	13.032	(1.149)	1242607	75.0000	70.1	
54 4-Chloro-3-Methylphenol	107	12.884	12.918	(1.137)	603007	75.0000	73.0 (Q)	
57 1-Methylnaphthalene	142	13.236	13.250	(1.168)	1167614	75.0000	70.5	
59 1,2,4,5-Tetrachlorobenzene	216	13.433	13.446	(0.870)	506616	75.0000	69.9	
60 Hexachlorocyclopentadiene	237	13.443	13.457	(0.871)	384127	75.0000	69.7	
61 2,4,6-Trichlorophenol	196	13.753	13.777	(0.891)	368321	75.0000	70.8	
\$ 63 2-Fluorobiphenyl	172	13.950	13.974	(0.903)	1156860	75.0000	69.6	
62 2,4,5-Trichlorophenol	196	13.836	13.871	(0.896)	402146	75.0000	72.5	
64 Safrole	104	14.126	14.150	(0.915)	237949	75.0000	69.8 (Q)	
65 2-Chloronaphthalene	162	14.136	14.150	(0.916)	1537741	75.0000	71.2	
66 1,1'-Biphenyl	154	14.157	14.181	(0.917)	1237052	75.0000	72.5	
67 1-Chloronaphthalene	162	14.188	14.212	(0.919)	976654	75.0000	68.3	
68 Diphenylether	170	14.426	14.440	(0.934)	683424	75.0000	69.6	
69 2-Nitroaniline	65	14.468	14.481	(0.937)	451159	75.0000	71.9	
70 1,4-Naphthoquinone	158	14.571	14.585	(0.944)	253176	75.0000	65.9 (M)	M9
71 1,4-Dinitrobenzene	75	14.788	14.823	(0.958)	250687	75.0000	73.1	
75 Acenaphthylene	152	15.099	15.113	(0.978)	1729827	75.0000	69.2	
73 Dimethyl Phthalate	163	15.016	15.061	(0.973)	1184622	75.0000	70.0	
72 1,3-Dinitrobenzene	168	14.995	15.030	(0.971)	194639	75.0000	72.4	
74 2,6-Dinitrotoluene	165	15.089	15.123	(0.977)	264969	75.0000	70.6	
76 1,2-Dinitrobenzene	50	15.182	15.226	(0.983)	217531	75.0000	69.8	

DJP
8:20 am, Jul 16, 2014

Data File: \\target_server\gg\chem\gcms-u.i\U070314.b\U6270.D
 Report Date: 08-Jul-2014 13:59

Compounds	QUANT SIG				RESPONSE	AMOUNTS		REVIEW CODE
	MASS	RT	EXP RT	REL RT		CAL-AMT (ug/ml)	ON-COL (ug/ml)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
* 78 Acenaphthene-D10	164	15.440	15.454	(1.000)	590937	40.0000		
79 Acenaphthene	153	15.523	15.547	(1.005)	1094421	75.0000	71.5	
77 3-Nitroaniline	138	15.472	15.506	(1.002)	339038	75.0000	73.3	
80 2,4-Dinitrophenol	184	15.720	15.775	(1.018)	183655	75.0000	74.1	
82 Dibenzofuran	168	15.948	15.972	(1.033)	1423773	75.0000	70.0	
81 Pentachlorobenzene	250	15.865	15.889	(1.027)	471276	75.0000	71.3	
85 1-Naphthylamine	143	16.144	16.179	(1.046)	1206129	75.0000	70.2	
84 2,4-Dinitrotoluene	165	16.041	16.085	(1.039)	344784	75.0000	69.0	
86 2,3,5,6-Tetrachlorophenol	232	16.206	16.230	(1.050)	316136	75.0000	71.4	
88 2-Naphthylamine	143	16.351	16.396	(1.059)	1191781	75.0000	70.8	
83 4-Nitrophenol	139	16.041	16.096	(1.039)	228250	75.0000	70.6	
87 2,3,4,6-Tetrachlorophenol	232	16.310	16.334	(1.056)	307841	75.0000	70.8	
90 Fluorene	166	16.755	16.779	(1.085)	1148238	75.0000	70.4	
89 Diethylphthalate	149	16.714	16.738	(1.082)	1274708	75.0000	70.1	
91 4-Chlorophenyl-phenylether	204	16.838	16.851	(1.090)	542700	75.0000	70.3	
93 O,O-diethyl-o-2-pyrazinylphos	107	16.879	16.913	(1.093)	248413	75.0000	69.0	
92 5-Nitro-O-Toluidine	152	16.879	16.934	(1.093)	323769	75.0000	70.8 (Q)	
94 4-Nitroaniline	138	16.931	16.996	(1.097)	272220	75.0000	70.0 (Q)	
95 4,6-Dinitro-2-Methylphenol	198	17.003	17.048	(0.898)	211759	75.0000	74.6	
96 N-Nitrosodiphenylamine	169	17.148	17.172	(0.905)	916303	75.0000	70.7	
97 N-Nitrosodiphenylamine/DPA	169	17.148	17.172	(0.905)	916303	75.0000	70.7	
98 1,2-Diphenylhydrazine	77	17.210	17.224	(0.909)	1388998	75.0000	72.3	
99 Azobenzene	77	17.210	17.224	(0.909)	1388998	75.0000	72.3	
\$ 100 2,4,6-Tribromophenol	330	17.335	17.359	(1.123)	207722	75.0000	71.2	
101 Sulfotepp	97	17.686	17.710	(0.934)	223363	75.0000	71.1	
103 Diallate	86	17.904	17.917	(0.945)	473244	75.0000	71.2	
105 4-Bromophenyl-phenylether	248	17.987	18.000	(0.950)	336521	75.0000	72.4	
104 Phorate	75	17.904	17.928	(0.945)	978102	75.0000	72.3	
102 1,3,5-Trinitrobenzene	213	17.914	17.969	(0.946)	74678	75.0000	65.7 (Q)	
106 Phenacetin	108	18.049	18.114	(0.953)	584434	75.0000	72.2	
107 Hexachlorobenzene	284	18.069	18.093	(0.954)	392368	75.0000	71.9	
108 Dimethoate	87	18.297	18.331	(0.966)	376807	75.0000	74.8	
109 Atrazine	200	18.546	18.570	(0.979)	225570	75.0000	66.0	
111 4-Aminobiphenyl	169	18.618	18.642	(0.983)	923785	75.0000	71.6	
110 Pentachlorophenol	266	18.597	18.621	(0.982)	230410	75.0000	68.4	
112 Pentachloronitrobenzene	237	18.608	18.632	(0.983)	131306	75.0000	67.2	
* 114 Phenanthrene-D10	188	18.939	18.963	(1.000)	961229	40.0000		
113 Pronamide	173	18.918	18.942	(0.999)	452072	75.0000	67.7	
115 Phenanthrene	178	19.001	19.025	(1.003)	1630495	75.0000	70.2	
116 Anthracene	178	19.125	19.149	(1.010)	1522708	75.0000	68.3	
118 Disulfoton	88	19.146	19.159	(1.011)	668673	75.0000	69.4	
117 Dinoseb	211	19.135	19.147	(1.010)	222715	75.0000	65.7	
119 Carbazole	167	19.570	19.594	(1.033)	1263974	75.0000	69.1	
120 Methyl Parathion	109	19.995	20.008	(1.056)	355857	75.0000	72.4	
121 Di-n-butylphthalate	149	20.636	20.650	(1.090)	1875339	75.0000	66.3	
122 4-Nitroquinoline-1-Oxide	190	20.874	20.898	(1.102)	98429	75.0000	72.4	
123 Ethyl Parathion	291	20.978	20.991	(1.108)	97016	75.0000	67.2	
124 Methapyrilene	97	20.978	20.991	(1.108)	236358	75.0000	67.6	
125 Isodrin	193	21.454	21.457	(1.133)	190805	75.0000	69.0	
126 Fluoranthene	202	21.816	21.830	(1.152)	1393917	75.0000	66.6	
128 Pyrene	202	22.313	22.337	(0.885)	1419077	75.0000	71.7	
127 Benzidine	184	22.251	22.265	(0.882)	412590	75.0000	78.6	
\$ 129 Terphenyl-D14	244	22.851	22.865	(0.906)	921030	75.0000	71.0	
130 Aramite	185	23.141	23.155	(0.918)	78151	75.0000	66.1	

						AMOUNTS			
	QUANT	SIG					CAL-AMT	ON-COL	
Compounds	MASS		RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/ml)	REVIEW CODE
=====	=====		=====	=====	=====	=====	=====	=====	=====
131 p-Dimethylaminoazobenzene	225		23.213	23.227	(0.920)	246614	75.0000	73.5	
132 Chlorobenzilate	251		23.389	23.403	(0.927)	363113	75.0000	72.4	
134 3,3'-Dimethylbenzidine	212		24.010	24.014	(0.952)	379387	75.0000	72.2	
135 Butylbenzylphthalate	149		24.155	24.159	(0.958)	635931	75.0000	70.1	
136 Bis(2-ethylhexyl)adipate	129		24.518	24.531	(0.972)	590292	75.0000	71.3	
137 2-Acetylaminofluorene	181		24.600	24.614	(0.975)	327842	75.0000	78.4	
139 Benzo(a)anthracene	228		25.190	25.204	(0.999)	926341	75.0000	72.9	
* 140 Chrysene-D12	240		25.221	25.225	(1.000)	541067	40.0000		
142 Chrysene	228		25.273	25.287	(1.002)	838061	75.0000	72.4	
141 3,3'-Dichlorobenzidine	252		25.242	25.256	(1.001)	256014	75.0000	75.6	
143 bis(2-Ethylhexyl)phthalate	149		25.656	25.659	(1.017)	876749	75.0000	71.8	
144 Di-n-octylphthalate	149		27.115	27.119	(0.957)	1246857	75.0000	72.9	
145 Benzo(b)fluoranthene	252		27.581	27.584	(0.974)	625348	75.0000	71.5	
146 7,12-Dimethylbenz(A)Anthracen	256		27.602	27.605	(0.974)	314135	75.0000	71.5	
147 Benzo(k)fluoranthene	252		27.643	27.657	(0.976)	645022	75.0000	71.7 (H)	
148 Benzo(a)pyrene	252		28.223	28.226	(0.996)	531083	75.0000	74.2	
* 149 Perylene-D12	264		28.326	28.330	(1.000)	330932	40.0000		
150 3-Methylcholanthrene	268		28.958	28.961	(1.022)	229370	75.0000	73.7	
152 Dibenz(a,j)acridine	279		30.127	30.131	(1.064)	242432	75.0000	74.8	
153 Indeno(1,2,3-cd)pyrene	276		30.469	30.472	(1.076)	311783	75.0000	76.0	
154 Dibenzo(a,h)anthracene	278		30.552	30.555	(1.079)	322321	75.0000	76.6	
155 Benzo(g,h,i)perylene	276		31.059	31.062	(1.096)	324565	75.0000	72.8	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
 M - Compound response manually integrated.
 H - Operator selected an alternate compound hit.

Data File: \\target_server\gs\chem\goms-u,i\U070314,b\U6270.D

Date : 03-JUL-2014 12:46

Client ID:

Sample Info: WJ145897-5

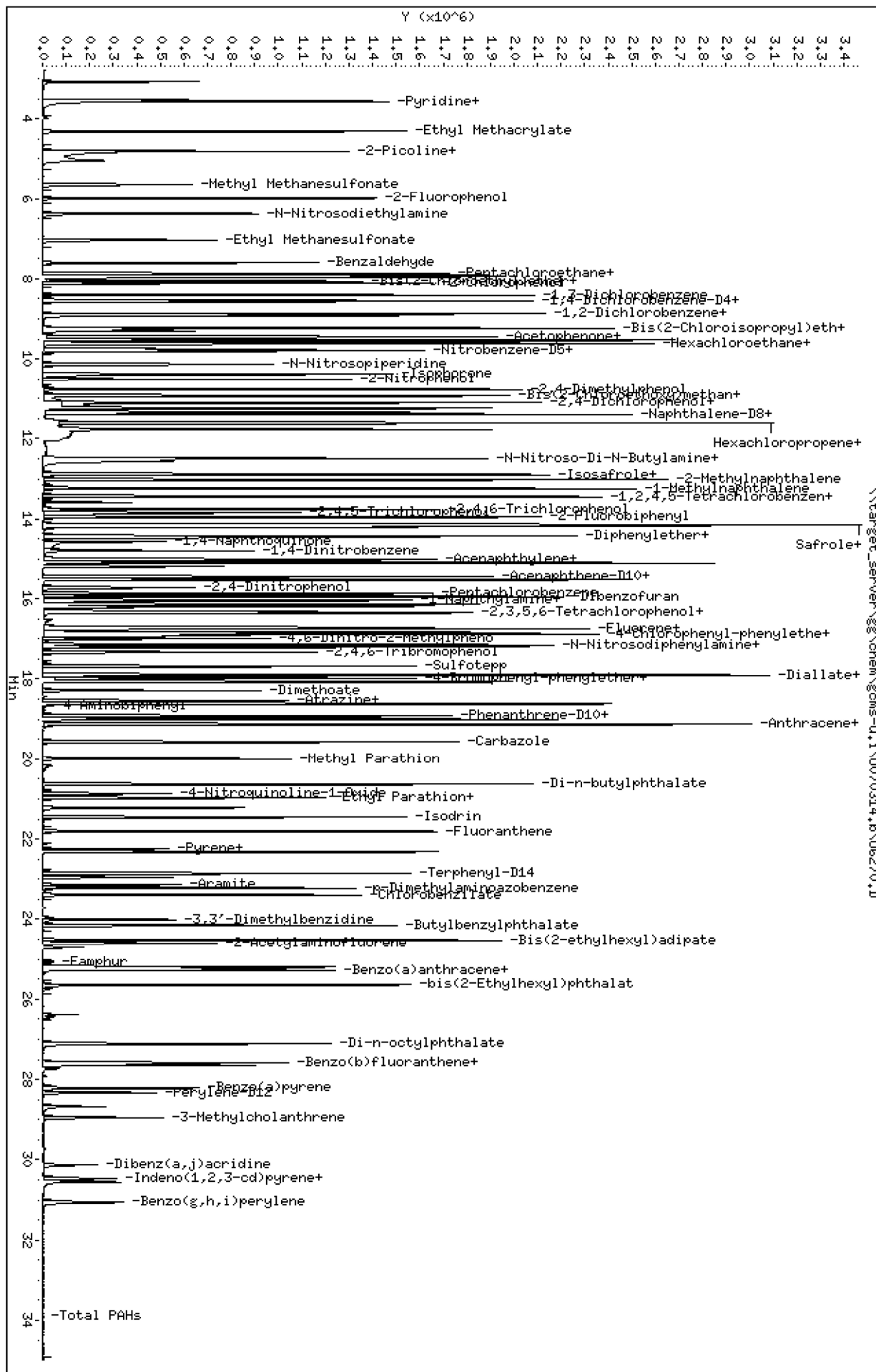
Volume Injected (uL): 1.0

Column phase: ZB5-MS

Instrument: goms-u,i

Operator: JCG

Column diameter: 0.25



Data File: \\target_server\gg\chem\gcms-u.i\U070314.b\U6271.D
 Report Date: 08-Jul-2014 13:59

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-u.i\U070314.b\U6271.D
 Lab Smp Id: WG145897-6
 Inj Date : 03-JUL-2014 13:30 MS Autotune Date: 26-OCT-2013 10:51
 Operator : JCG Inst ID: gcms-u.i
 Smp Info : WG145897-6
 Misc Info :
 Comment :
 Method : \\target_server\gg\chem\gcms-u.i\U070314.b\U8270C60.m
 Meth Date : 03-Jul-2014 15:18 gcms-u.i Quant Type: ISTD
 Cal Date : 03-JUL-2014 13:30 Cal File: U6271.D
 Als bottle: 6 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all_DOD.sub
 Target Version: 4.12

Concentration Formula: Amt * DF * Uf*(Vt/Vo*Vi)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG						AMOUNTS		REVIEW CODE
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
1 1,4-Dioxane	58		3.094	3.106	(0.273)		283742	100.000	91.5	
3 Pyridine	79		3.580	3.603	(0.420)		937052	100.000	92.0	
2 N-Nitrosodimethylamine	42		3.559	3.593	(0.417)		532654	100.000	98.0	
4 Ethyl Methacrylate	69		4.325	4.348	(0.507)		709824	100.000	96.0	
5 2-Picoline	93		4.812	4.825	(0.564)		884486	100.000	94.4	
6 N-Nitrosomethylethylamine	88		5.060	5.073	(0.593)		430581	100.000	105	
7 Methyl Methanesulfonate	80		5.660	5.663	(0.664)		584668	100.000	95.8	
\$ 8 2-Fluorophenol	112		6.012	6.025	(0.705)		841682	100.000	95.2	
9 N-Nitrosodiethylamine	102		6.395	6.408	(0.750)		442121	100.000	97.8	
10 Ethyl Methanesulfonate	79		7.058	7.071	(0.828)		706392	100.000	100	
11 Benzaldehyde	77		7.606	7.619	(0.892)		353604	100.000	75.3	
14 Pentachloroethane	117		7.927	7.930	(0.930)		317851	100.000	94.4	
12 Aniline	93		7.886	7.888	(0.925)		1322728	100.000	98.1	
16 Bis(2-Chloroethyl)ether	93		8.072	8.074	(0.947)		814263	100.000	97.0	
\$ 13 Phenol-D6	99		7.948	7.961	(0.932)		959213	100.000	97.6	
15 Phenol	94		7.979	7.992	(0.936)		995655	100.000	92.3	
17 2-Chlorophenol	128		8.124	8.137	(0.953)		850958	100.000	95.8	
18 1,3-Dichlorobenzene	146		8.414	8.416	(0.987)		926208	100.000	93.3	
* 19 1,4-Dichlorobenzene-D4	152		8.527	8.540	(1.000)		283300	40.0000		
20 1,4-Dichlorobenzene	146		8.569	8.582	(1.005)		931390	100.000	92.8	
21 1,2-Dichlorobenzene	146		8.890	8.892	(1.042)		897443	100.000	93.5	

						AMOUNTS				
		QUANT	SIG					CAL-AMT	ON-COL	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/ml)	REVIEW CODE		
=====	=====	=====	=====	=====	=====	=====	=====	=====		
22 Benzyl alcohol	108	8.931	8.954	(1.047)	583019	100.000	99.1			
24 Bis(2-Chloroisopropyl)ether	45	9.231	9.244	(1.083)	1395246	100.000	95.9			
25 2,2'-Oxybis(1-chloropropane)	45	9.231	9.244	(1.083)	1395246	100.000	95.9			
23 2-Methylphenol	108	9.242	9.254	(1.084)	820424	100.000	96.4 (M)	M9		
27 Acetophenone	105	9.459	9.472	(0.834)	1184413	100.000	91.8			
32 Hexachloroethane	117	9.604	9.617	(1.126)	382825	100.000	92.6			
26 N-Nitrosopyrrolidine	100	9.490	9.523	(1.113)	416370	100.000	97.4			
29 o-Toluidine	106	9.542	9.555	(1.119)	1240132	100.000	94.5			
28 N-Nitrosomorpholine	56	9.542	9.575	(1.119)	632892	100.000	96.4			
30 N-Nitroso-di-n-propylamine	70	9.562	9.596	(1.121)	649948	100.000	97.9			
31 3&4-Methylphenol	108	9.625	9.648	(1.129)	830960	100.000	95.7			
\$ 33 Nitrobenzene-D5	82	9.759	9.772	(0.860)	945727	100.000	94.2			
34 Nitrobenzene	77	9.811	9.824	(0.865)	918172	100.000	92.8			
35 N-Nitrosopiperidine	114	10.152	10.176	(0.895)	439853	100.000	92.7			
36 Isophorone	82	10.390	10.403	(0.916)	1754771	100.000	94.1			
37 2-Nitrophenol	139	10.515	10.527	(0.927)	491335	100.000	94.4			
38 2,4-Dimethylphenol	107	10.784	10.797	(0.951)	921593	100.000	93.4			
40 Bis(2-Chloroethoxy)methane	93	10.960	10.973	(0.966)	1222489	100.000	95.0			
39 O,O,O-Triethylphosphorothioat	198	10.939	10.952	(0.964)	344503	100.000	92.4			
41 2,4-Dichlorophenol	162	11.115	11.128	(0.980)	651270	100.000	91.5			
43 1,2,4-Trichlorobenzene	180	11.249	11.252	(0.992)	713178	100.000	89.9			
* 44 Naphthalene-D8	136	11.343	11.345	(1.000)	1188683	40.0000				
42 Benzoic acid	122	11.270	11.335	(0.994)	459778	100.000	98.2 (M)	M9		
45 Naphthalene	128	11.394	11.407	(1.005)	2194651	100.000	89.0			
49 A,A-Dimethylphenethylamine	58	11.995	12.287	(1.057)	2019416	100.000	85.8 (M)	M9		
48 Hexachloropropene	213	11.632	11.635	(1.026)	451019	100.000	88.3			
47 2,6-Dichlorophenol	162	11.612	11.614	(1.024)	557740	100.000	88.9			
46 4-Chloroaniline	127	11.612	11.625	(1.024)	897206	100.000	89.0			
50 Hexachlorobutadiene	225	11.777	11.780	(1.038)	401944	100.000	89.9			
53 N-Nitroso-Di-N-Butylamine	84	12.502	12.525	(1.102)	613780	100.000	89.0			
52 Caprolactam	113	12.595	12.660	(1.110)	243466	100.000	94.5			
51 p-Phenylenediamine	108	12.502	12.525	(1.102)	561693	100.000	79.4			
55 Isosafrole	162	12.916	12.918	(1.139)	532990	100.000	89.5			
56 2-Methylnaphthalene	142	13.019	13.032	(1.148)	1574128	100.000	91.3			
54 4-Chloro-3-Methylphenol	107	12.895	12.918	(1.137)	721011	100.000	89.6			
57 1-Methylnaphthalene	142	13.247	13.250	(1.168)	1463572	100.000	90.9			
59 1,2,4,5-Tetrachlorobenzene	216	13.433	13.446	(0.870)	612573	100.000	90.1			
60 Hexachlorocyclopentadiene	237	13.454	13.457	(0.871)	467157	100.000	90.3			
61 2,4,6-Trichlorophenol	196	13.765	13.777	(0.891)	449571	100.000	92.1			
\$ 63 2-Fluorobiphenyl	172	13.961	13.974	(0.904)	1426772	100.000	91.5			
62 2,4,5-Trichlorophenol	196	13.847	13.871	(0.897)	488212	100.000	93.8			
64 Safrole	104	14.137	14.150	(0.916)	293107	100.000	91.6 (Q)			
65 2-Chloronaphthalene	162	14.137	14.150	(0.916)	1802071	100.000	88.9			
66 1,1'-Biphenyl	154	14.168	14.181	(0.918)	1458305	100.000	102			
67 1-Chloronaphthalene	162	14.199	14.212	(0.920)	1292118	100.000	96.3			
68 Diphenylether	170	14.427	14.440	(0.934)	860530	100.000	93.4			
69 2-Nitroaniline	65	14.468	14.481	(0.937)	555601	100.000	94.4			
70 1,4-Naphthoquinone	158	14.572	14.585	(0.944)	265483	100.000	73.7 (M)	M9		
71 1,4-Dinitrobenzene	75	14.800	14.823	(0.958)	302182	100.000	93.9			
75 Acenaphthylene	152	15.100	15.113	(0.978)	2076184	100.000	88.6			
73 Dimethyl Phthalate	163	15.027	15.061	(0.973)	1406627	100.000	88.5			
72 1,3-Dinitrobenzene	168	15.007	15.030	(0.972)	233396	100.000	92.6			
74 2,6-Dinitrotoluene	165	15.100	15.123	(0.978)	315341	100.000	89.6			
76 1,2-Dinitrobenzene	50	15.193	15.226	(0.984)	257051	100.000	88.0			

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Compounds	QUANT SIG			REL RT	RESPONSE	AMOUNTS		REVIEW CODE
	MASS	RT	EXP RT			CAL-AMT (ug/ml)	ON-COL (ug/ml)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
* 78 Acenaphthene-D10	164	15.441	15.454	(1.000)	554489	40.0000		
79 Acenaphthene	153	15.534	15.547	(1.006)	1292822	100.000	90.1	
77 3-Nitroaniline	138	15.483	15.506	(1.003)	410481	100.000	94.6	
80 2,4-Dinitrophenol	184	15.741	15.775	(1.019)	226327	100.000	97.3	
82 Dibenzofuran	168	15.948	15.972	(1.033)	1720015	100.000	90.1	
81 Pentachlorobenzene	250	15.876	15.889	(1.028)	555036	100.000	89.5	
85 1-Naphthylamine	143	16.155	16.179	(1.046)	1440400	100.000	89.4	
84 2,4-Dinitrotoluene	165	16.062	16.085	(1.040)	414790	100.000	88.5	
86 2,3,5,6-Tetrachlorophenol	232	16.218	16.230	(1.050)	370956	100.000	89.2	
88 2-Naphthylamine	143	16.362	16.396	(1.060)	1389166	100.000	88.0	
83 4-Nitrophenol	139	16.062	16.096	(1.040)	292747	100.000	96.4	
87 2,3,4,6-Tetrachlorophenol	232	16.321	16.334	(1.057)	367198	100.000	90.0	
90 Fluorene	166	16.756	16.779	(1.085)	1366685	100.000	89.3	
89 Diethylphthalate	149	16.725	16.738	(1.083)	1504215	100.000	88.2	
91 4-Chlorophenyl-phenylether	204	16.839	16.851	(1.090)	649997	100.000	89.7	
93 O,O-diethyl-o-2-pyrazinylphos	107	16.890	16.913	(1.094)	295888	100.000	87.6	
92 5-Nitro-O-Toluidine	152	16.890	16.934	(1.094)	388718	100.000	90.6	
94 4-Nitroaniline	138	16.942	16.996	(1.097)	345076	100.000	94.6	
95 4,6-Dinitro-2-Methylphenol	198	17.015	17.048	(0.898)	249640	100.000	97.6	
96 N-Nitrosodiphenylamine	169	17.159	17.172	(0.906)	1095835	100.000	93.8	
97 N-Nitrosodiphenylamine/DPA	169	17.159	17.172	(0.906)	1095835	100.000	93.8	
98 1,2-Diphenylhydrazine	77	17.211	17.224	(0.908)	1645225	100.000	95.0	
99 Azobenzene	77	17.211	17.224	(0.908)	1645225	100.000	95.0	
\$ 100 2,4,6-Tribromophenol	330	17.346	17.359	(1.123)	239394	100.000	87.4	
101 Sulfotepp	97	17.687	17.710	(0.933)	258226	100.000	91.2	
103 Diallate	86	17.905	17.917	(0.945)	556993	100.000	93.0	
105 4-Bromophenyl-phenylether	248	17.987	18.000	(0.949)	396440	100.000	94.7	
104 Phorate	75	17.905	17.928	(0.945)	1132354	100.000	92.8	
102 1,3,5-Trinitrobenzene	213	17.936	17.969	(0.946)	103493	100.000	101 (Q)	
106 Phenacetin	108	18.070	18.114	(0.954)	662923	100.000	91.0	
107 Hexachlorobenzene	284	18.081	18.093	(0.954)	445721	100.000	90.6	
108 Dimethoate	87	18.308	18.331	(0.966)	406736	100.000	102	
109 Atrazine	200	18.557	18.570	(0.979)	235421	100.000	76.4	
111 4-Aminobiphenyl	169	18.619	18.642	(0.983)	1091763	100.000	106	
110 Pentachlorophenol	266	18.598	18.621	(0.981)	279230	100.000	92.0	
112 Pentachloronitrobenzene	237	18.619	18.632	(0.983)	157455	100.000	89.4	
* 114 Phenanthrene-D10	188	18.950	18.963	(1.000)	866232	40.0000		
113 Pronamide	173	18.929	18.942	(0.999)	539877	100.000	89.7	
115 Phenanthrene	178	19.012	19.025	(1.003)	1892455	100.000	90.4	
116 Anthracene	178	19.126	19.149	(1.009)	1831342	100.000	91.2	
118 Disulfoton	88	19.157	19.159	(1.011)	806860	100.000	92.9 (Q)	
117 Dinoseb	211	19.147	19.147	(1.010)	274956	100.000	90.0	
119 Carbazole	167	19.581	19.594	(1.033)	1564844	100.000	94.9	
120 Methyl Parathion	109	20.006	20.008	(1.056)	392422	100.000	97.8	
121 Di-n-butylphthalate	149	20.647	20.650	(1.090)	2285742	100.000	89.7	
122 4-Nitroquinoline-1-Oxide	190	20.885	20.898	(1.102)	131308	100.000	106	
123 Ethyl Parathion	291	20.989	20.991	(1.108)	123542	100.000	94.9	
124 Methapyrilene	97	20.979	20.991	(1.107)	288447	100.000	91.6	
125 Isodrin	193	21.455	21.457	(1.132)	226262	100.000	90.8	
126 Fluoranthene	202	21.817	21.830	(1.151)	1713923	100.000	90.9	
128 Pyrene	202	22.324	22.337	(0.885)	1723057	100.000	93.2	
127 Benzidine	184	22.262	22.265	(0.883)	522399	100.000	106	
\$ 129 Terphenyl-D14	244	22.862	22.865	(0.906)	1136980	100.000	93.8	
130 Aramite	185	23.152	23.155	(0.918)	103251	100.000	93.5	

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Compounds	QUANT SIG			REL RT	RESPONSE	AMOUNTS		REVIEW CODE
	MASS	RT	EXP RT			CAL-AMT (ug/ml)	ON-COL (ug/ml)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
131 p-Dimethylaminoazobenzene	225	23.225	23.227	(0.921)	292908	100.000	93.5	
132 Chlorobenzilate	251	23.401	23.403	(0.928)	441819	100.000	94.2	
134 3,3'-Dimethylbenzidine	212	24.011	24.014	(0.952)	471440	100.000	96.0	
135 Butylbenzylphthalate	149	24.156	24.159	(0.958)	803773	100.000	94.8	
136 Bis(2-ethylhexyl)adipate	129	24.518	24.531	(0.972)	745340	100.000	96.4	
137 2-Acetylaminofluorene	181	24.612	24.614	(0.976)	433375	100.000	111	
139 Benzo(a)anthracene	228	25.201	25.204	(0.999)	1167829	100.000	98.4	
* 140 Chrysene-D12	240	25.222	25.225	(1.000)	505647	40.0000		
142 Chrysene	228	25.284	25.287	(1.002)	991933	100.000	91.8	
141 3,3'-Dichlorobenzidine	252	25.253	25.256	(1.001)	336427	100.000	106	
143 bis(2-Ethylhexyl)phthalate	149	25.657	25.659	(1.017)	1083115	100.000	95.0	
144 Di-n-octylphthalate	149	27.116	27.119	(0.957)	1592406	100.000	96.8	
145 Benzo(b)fluoranthene	252	27.592	27.584	(0.974)	807590	100.000	96.0	
146 7,12-Dimethylbenz(A)Anthracen	256	27.613	27.605	(0.974)	402476	100.000	95.3	
147 Benzo(k)fluoranthene	252	27.654	27.657	(0.976)	821640	100.000	95.0 (H)	
148 Benzo(a)pyrene	252	28.224	28.226	(0.996)	696594	100.000	101	
* 149 Perylene-D12	264	28.338	28.330	(1.000)	318291	40.0000		
150 3-Methylcholanthrene	268	28.959	28.961	(1.022)	301792	100.000	101	
152 Dibenz(a,j)acridine	279	30.138	30.131	(1.064)	322408	100.000	103	
153 Indeno(1,2,3-cd)pyrene	276	30.480	30.472	(1.076)	395078	100.000	100	
154 Dibenzo(a,h)anthracene	278	30.563	30.555	(1.079)	403316	100.000	99.6	
155 Benzo(g,h,i)perylene	276	31.070	31.062	(1.096)	406760	100.000	94.9	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
 M - Compound response manually integrated.
 H - Operator selected an alternate compound hit.

Data File: \\target_server\gs\chem\goms-u,i\U070314,b\U6271.D

Date : 03-JUL-2014 13:30

Client ID:

Sample Info: WJ145897-6

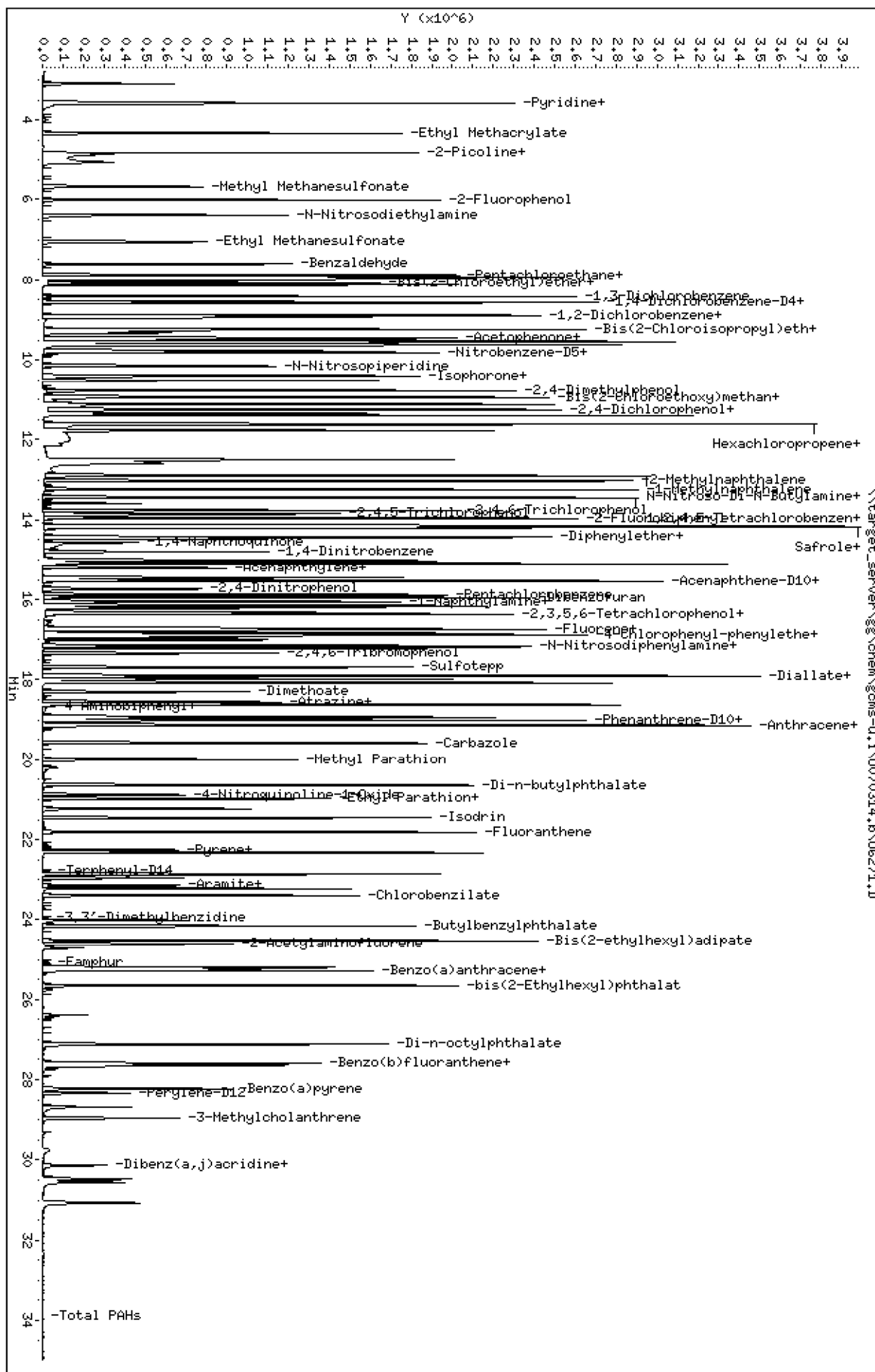
Volume Injected (uL): 1.0

Column phase: ZB5-MS

Instrument: goms-u,i

Operator: JCG

Column diameter: 0.25



Data File: \\target_server\gg\chem\gcms-u.i\U070314.b\U6272.D
 Report Date: 08-Jul-2014 13:59

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-u.i\U070314.b\U6272.D
 Lab Smp Id: WG145897-7
 Inj Date : 03-JUL-2014 14:15 MS Autotune Date: 26-OCT-2013 10:51
 Operator : JCG Inst ID: gcms-u.i
 Smp Info : WG145897-7
 Misc Info :
 Comment :
 Method : \\target_server\gg\chem\gcms-u.i\U070314.b\U8270C60.m
 Meth Date : 03-Jul-2014 15:18 gcms-u.i Quant Type: ISTD
 Cal Date : 03-JUL-2014 14:15 Cal File: U6272.D
 Als bottle: 7 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all_DOD.sub
 Target Version: 4.12

Concentration Formula: Amt * DF * Uf*(Vt/Vo*Vi)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG						AMOUNTS		REVIEW CODE
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
1 1,4-Dioxane	58		3.106	3.106	(0.274)		370950	125.000	111	
3 Pyridine	79		3.603	3.603	(0.422)		1260649	125.000	115	
2 N-Nitrosodimethylamine	42		3.593	3.593	(0.421)		704191	125.000	120	
4 Ethyl Methacrylate	69		4.348	4.348	(0.509)		944894	125.000	118	
5 2-Picoline	93		4.825	4.825	(0.565)		1271236	125.000	126 (A)	
6 N-Nitrosomethylethylamine	88		5.073	5.073	(0.594)		585733	125.000	132 (A)	
7 Methyl Methanesulfonate	80		5.663	5.663	(0.663)		822342	125.000	125	
\$ 8 2-Fluorophenol	112		6.025	6.025	(0.706)		1169325	125.000	122	
9 N-Nitrosodiethylamine	102		6.408	6.408	(0.750)		620048	125.000	127 (A)	
10 Ethyl Methanesulfonate	79		7.071	7.071	(0.828)		999636	125.000	132 (A)	
11 Benzaldehyde	77		7.619	7.619	(0.892)		441311	125.000	87.1	
14 Pentachloroethane	117		7.930	7.930	(0.928)		415490	125.000	114	
12 Aniline	93		7.888	7.888	(0.924)		1802866	125.000	124	
16 Bis(2-Chloroethyl)ether	93		8.074	8.074	(0.945)		1099901	125.000	122	
\$ 13 Phenol-D6	99		7.961	7.961	(0.932)		1317758	125.000	124	
15 Phenol	94		7.992	7.992	(0.936)		1415136	125.000	122	
17 2-Chlorophenol	128		8.137	8.137	(0.953)		1154851	125.000	120	
18 1,3-Dichlorobenzene	146		8.416	8.416	(0.985)		1222260	125.000	114	
* 19 1,4-Dichlorobenzene-D4	152		8.540	8.540	(1.000)		305561	40.0000		
20 1,4-Dichlorobenzene	146		8.582	8.582	(1.005)		1224691	125.000	113	
21 1,2-Dichlorobenzene	146		8.892	8.892	(1.041)		1152761	125.000	111	

Compounds	QUANT SIG					AMOUNTS		REVIEW CODE
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
22 Benzyl alcohol	108	8.954	8.954	(1.048)	857375	125.000	135 (A)	
24 Bis(2-Chloroisopropyl)ether	45	9.244	9.244	(1.082)	1893277	125.000	121	
25 2,2'-Oxybis(1-chloropropane)	45	9.244	9.244	(1.082)	1893277	125.000	121	
23 2-Methylphenol	108	9.254	9.254	(1.084)	1175823	125.000	128 (AM)	M9
27 Acetophenone	105	9.472	9.472	(0.835)	1688500	125.000	121	
32 Hexachloroethane	117	9.617	9.617	(1.126)	493176	125.000	111	
26 N-Nitrosopyrrolidine	100	9.523	9.523	(1.115)	587939	125.000	127 (A)	
29 o-Toluidine	106	9.555	9.555	(1.119)	1627709	125.000	115	
28 N-Nitrosomorpholine	56	9.575	9.575	(1.121)	859899	125.000	122	
30 N-Nitroso-di-n-propylamine	70	9.596	9.596	(1.124)	863082	125.000	120	
31 3&4-Methylphenol	108	9.648	9.648	(1.130)	1193123	125.000	127 (A)	
\$ 33 Nitrobenzene-D5	82	9.772	9.772	(0.861)	1315430	125.000	121	
34 Nitrobenzene	77	9.824	9.824	(0.866)	1273967	125.000	119	
35 N-Nitrosopiperidine	114	10.176	10.176	(0.897)	645188	125.000	126 (A)	
36 Isophorone	82	10.403	10.403	(0.917)	2508000	125.000	125 (M)	M9
37 2-Nitrophenol	139	10.527	10.527	(0.928)	675357	125.000	120	
38 2,4-Dimethylphenol	107	10.797	10.797	(0.952)	1267350	125.000	119	
40 Bis(2-Chloroethoxy)methane	93	10.973	10.973	(0.967)	1664655	125.000	120	
39 O,O,O-Triethylphosphorothioat	198	10.952	10.952	(0.965)	474461	125.000	118	
41 2,4-Dichlorophenol	162	11.128	11.128	(0.981)	883363	125.000	115	
43 1,2,4-Trichlorobenzene	180	11.252	11.252	(0.992)	959419	125.000	112	
* 44 Naphthalene-D8	136	11.345	11.345	(1.000)	1282834	40.0000		
42 Benzoic acid	122	11.335	11.335	(0.999)	700430	125.000	138 (AM)	M9
45 Naphthalene	128	11.407	11.407	(1.005)	3011288	125.000	113	
49 A,A-Dimethylphenethylamine	58	12.287	12.287	(1.083)	2524383	125.000	99.4 (M)	M9
48 Hexachloropropene	213	11.635	11.635	(1.026)	548740	125.000	99.6	
47 2,6-Dichlorophenol	162	11.614	11.614	(1.024)	756517	125.000	112	
46 4-Chloroaniline	127	11.625	11.625	(1.025)	1157901	125.000	106	
50 Hexachlorobutadiene	225	11.780	11.780	(1.038)	522246	125.000	108	
53 N-Nitroso-Di-N-Butylamine	84	12.525	12.525	(1.104)	865801	125.000	116	
52 Caprolactam	113	12.660	12.660	(1.116)	368096	125.000	132 (AM)	M9
51 p-Phenylenediamine	108	12.525	12.525	(1.104)	747845	125.000	97.9	
55 Isosafrole	162	12.918	12.918	(1.139)	724058	125.000	113	
56 2-Methylnaphthalene	142	13.032	13.032	(1.149)	2151158	125.000	116	
54 4-Chloro-3-Methylphenol	107	12.918	12.918	(1.139)	1018813	125.000	117	
57 1-Methylnaphthalene	142	13.250	13.250	(1.168)	2063334	125.000	119	
59 1,2,4,5-Tetrachlorobenzene	216	13.446	13.446	(0.870)	823468	125.000	103	
60 Hexachlorocyclopentadiene	237	13.457	13.457	(0.871)	606504	125.000	100	
61 2,4,6-Trichlorophenol	196	13.777	13.777	(0.892)	657488	125.000	115	
\$ 63 2-Fluorobiphenyl	172	13.974	13.974	(0.904)	2021693	125.000	111	
62 2,4,5-Trichlorophenol	196	13.871	13.871	(0.898)	722805	125.000	119 (M)	M9
64 Safrole	104	14.150	14.150	(0.916)	384760	125.000	103 (Q)	
65 2-Chloronaphthalene	162	14.150	14.150	(0.916)	2543562	125.000	107 (H)	
66 1,1'-Biphenyl	154	14.181	14.181	(0.918)	1933341	125.000	124	
67 1-Chloronaphthalene	162	14.212	14.212	(0.920)	1716743	125.000	109	
68 Diphenylether	170	14.440	14.440	(0.934)	1194429	125.000	111	
69 2-Nitroaniline	65	14.481	14.481	(0.937)	836996	125.000	121	
70 1,4-Naphthoquinone	158	14.585	14.585	(0.944)	329311	125.000	78.0 (M)	M9
71 1,4-Dinitrobenzene	75	14.823	14.823	(0.959)	458449	125.000	122	
75 Acenaphthylene	152	15.113	15.113	(0.978)	2933281	125.000	107	
73 Dimethyl Phthalate	163	15.061	15.061	(0.975)	2055635	125.000	110	
72 1,3-Dinitrobenzene	168	15.030	15.030	(0.973)	350465	125.000	119	
74 2,6-Dinitrotoluene	165	15.123	15.123	(0.979)	448806	125.000	109	
76 1,2-Dinitrobenzene	50	15.226	15.226	(0.985)	410255	125.000	120	

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Compounds	QUANT SIG				RESPONSE	AMOUNTS		REVIEW CODE
	MASS	RT	EXP RT	REL RT		CAL-AMT (ug/ml)	ON-COL (ug/ml)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
* 78 Acenaphthene-D10	164	15.454	15.454	(1.000)	649354	40.0000		
79 Acenaphthene	153	15.547	15.547	(1.006)	1784977	125.000	106	
77 3-Nitroaniline	138	15.506	15.506	(1.003)	636321	125.000	125 (A)	
80 2,4-Dinitrophenol	184	15.775	15.775	(1.021)	349038	125.000	128 (A)	
82 Dibenzofuran	168	15.972	15.972	(1.033)	2499035	125.000	112	
81 Pentachlorobenzene	250	15.889	15.889	(1.028)	819870	125.000	113	
85 1-Naphthylamine	143	16.179	16.179	(1.047)	2120734	125.000	112	
84 2,4-Dinitrotoluene	165	16.085	16.085	(1.041)	630867	125.000	115	
86 2,3,5,6-Tetrachlorophenol	232	16.230	16.230	(1.050)	526562	125.000	108	
88 2-Naphthylamine	143	16.396	16.396	(1.061)	2061914	125.000	112	
83 4-Nitrophenol	139	16.096	16.096	(1.042)	406498	125.000	114	
87 2,3,4,6-Tetrachlorophenol	232	16.334	16.334	(1.057)	552081	125.000	116	
90 Fluorene	166	16.779	16.779	(1.086)	1955884	125.000	109	
89 Diethylphthalate	149	16.738	16.738	(1.083)	2133233	125.000	107	
91 4-Chlorophenyl-phenylether	204	16.851	16.851	(1.090)	958044	125.000	113	
93 O,O-diethyl-o-2-pyrazinylphos	107	16.913	16.913	(1.094)	424485	125.000	107	
92 5-Nitro-O-Toluidine	152	16.934	16.934	(1.096)	569848	125.000	113	
94 4-Nitroaniline	138	16.996	16.996	(1.100)	525293	125.000	123	
95 4,6-Dinitro-2-Methylphenol	198	17.048	17.048	(0.899)	372873	125.000	126 (A)	
96 N-Nitrosodiphenylamine	169	17.172	17.172	(0.906)	1658697	125.000	122	
97 N-Nitrosodiphenylamine/DPA	169	17.172	17.172	(0.906)	1658697	125.000	122	
98 1,2-Diphenylhydrazine	77	17.224	17.224	(0.908)	2689463	125.000	134 (A)	
99 Azobenzene	77	17.224	17.224	(0.908)	2689463	125.000	134 (A)	
\$ 100 2,4,6-Tribromophenol	330	17.359	17.359	(1.123)	362156	125.000	113	
101 Sulfotep	97	17.710	17.710	(0.934)	382042	125.000	116	
103 Diallate	86	17.917	17.917	(0.945)	830854	125.000	120	
105 4-Bromophenyl-phenylether	248	18.000	18.000	(0.949)	580804	125.000	120	
104 Phorate	75	17.928	17.928	(0.945)	1399206	125.000	99.0 (H)	
102 1,3,5-Trinitrobenzene	213	17.969	17.969	(0.948)	140024	125.000	118 (Q)	
106 Phenacetin	108	18.114	18.114	(0.955)	993175	125.000	118	
107 Hexachlorobenzene	284	18.093	18.093	(0.954)	668205	125.000	117	
108 Dimethoate	87	18.331	18.331	(0.967)	522725	125.000	122	
109 Atrazine	200	18.570	18.570	(0.979)	281845	125.000	78.9 (H)	
111 4-Aminobiphenyl	169	18.642	18.642	(0.983)	1372506	125.000	120	
110 Pentachlorophenol	266	18.621	18.621	(0.982)	412710	125.000	117	
112 Pentachloronitrobenzene	237	18.632	18.632	(0.983)	223335	125.000	109	
* 114 Phenanthrene-D10	188	18.963	18.963	(1.000)	1003700	40.0000		
113 Pronamide	173	18.942	18.942	(0.999)	798084	125.000	114	
115 Phenanthrene	178	19.025	19.025	(1.003)	2814120	125.000	116	
116 Anthracene	178	19.149	19.149	(1.010)	2543571	125.000	109	
118 Disulfoton	88	19.159	19.159	(1.010)	1130293	125.000	112 (Q)	
119 Carbazole	167	19.594	19.594	(1.033)	2213940	125.000	116	
120 Methyl Parathion	109	20.008	20.008	(1.055)	536275	125.000	126 (A)	
121 Di-n-butylphthalate	149	20.650	20.650	(1.089)	3315822	125.000	112	
122 4-Nitroquinoline-1-Oxide	190	20.898	20.898	(1.102)	176165	125.000	122	
123 Ethyl Parathion	291	20.991	20.991	(1.107)	177267	125.000	118	
124 Methapyrilene	97	20.991	20.991	(1.107)	411906	125.000	113 (Q)	
125 Isodrin	193	21.457	21.457	(1.132)	321620	125.000	111	
126 Fluoranthene	202	21.830	21.830	(1.151)	2367703	125.000	108	
128 Pyrene	202	22.337	22.337	(0.886)	2373977	125.000	139 (A)	
127 Benzidine	184	22.265	22.265	(0.883)	597576	125.000	132 (A)	
\$ 129 Terphenyl-D14	244	22.865	22.865	(0.906)	1579645	125.000	142 (A)	
130 Aramite	185	23.155	23.155	(0.918)	130618	125.000	128 (A)	
131 p-Dimethylaminoazobenzene	225	23.227	23.227	(0.921)	400980	125.000	139 (A)	

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT		ON-COL
							(ug/ml)		(ug/ml)
=====	=====	=====	=====	=====	=====	=====	=====	=====	
132 Chlorobenzilate	251	23.403	23.403	(0.928)	604809	125.000	140 (A)	DJP 8:20 am, Jul 16, 2014	
134 3,3'-Dimethylbenzidine	212	24.014	24.014	(0.952)	454869	125.000	100		
135 Butylbenzylphthalate	149	24.159	24.159	(0.958)	1025109	125.000	131 (A)		
136 Bis(2-ethylhexyl)adipate	129	24.531	24.531	(0.973)	1002246	125.000	141 (A)		
137 2-Acetylaminofluorene	181	24.614	24.614	(0.976)	414267	125.000	115		
139 Benzo(a)anthracene	228	25.204	25.204	(0.999)	1344127	125.000	123		
* 140 Chrysene-D12	240	25.225	25.225	(1.000)	465924	40.0000			
142 Chrysene	228	25.287	25.287	(1.002)	1208775	125.000	121		
141 3,3'-Dichlorobenzidine	252	25.256	25.256	(1.001)	343996	125.000	118		
143 bis(2-Ethylhexyl)phthalate	149	25.659	25.659	(1.017)	1378804	125.000	131 (A)		
144 Di-n-octylphthalate	149	27.119	27.119	(0.957)	1725269	125.000	151 (A)		
145 Benzo(b)fluoranthene	252	27.584	27.584	(0.974)	766194	125.000	131 (A)		
146 7,12-Dimethylbenz(A)Anthracen	256	27.605	27.605	(0.974)	382717	125.000	130 (A)		
147 Benzo(k)fluoranthene	252	27.657	27.657	(0.976)	741663	125.000	124 (MH)	M6	
148 Benzo(a)pyrene	252	28.226	28.226	(0.996)	592962	125.000	124		
* 149 Perylene-D12	264	28.330	28.330	(1.000)	220962	40.0000			
150 3-Methylcholanthrene	268	28.961	28.961	(1.022)	249606	125.000	120		
152 Dibenz(a,j)acridine	279	30.131	30.131	(1.064)	240476	125.000	111		
153 Indeno(1,2,3-cd)pyrene	276	30.472	30.472	(1.076)	313239	125.000	114		
154 Dibenzo(a,h)anthracene	278	30.555	30.555	(1.079)	328321	125.000	117		
155 Benzo(g,h,i)perylene	276	31.062	31.062	(1.096)	303634	125.000	102		

8:20 am, Jul 16, 2014

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: \\target_server\gs\chem\goms-u,i\U070314,b\U6272.D

Date : 03-JUL-2014 14:15

Client ID:

Sample Info: WJ145897-7

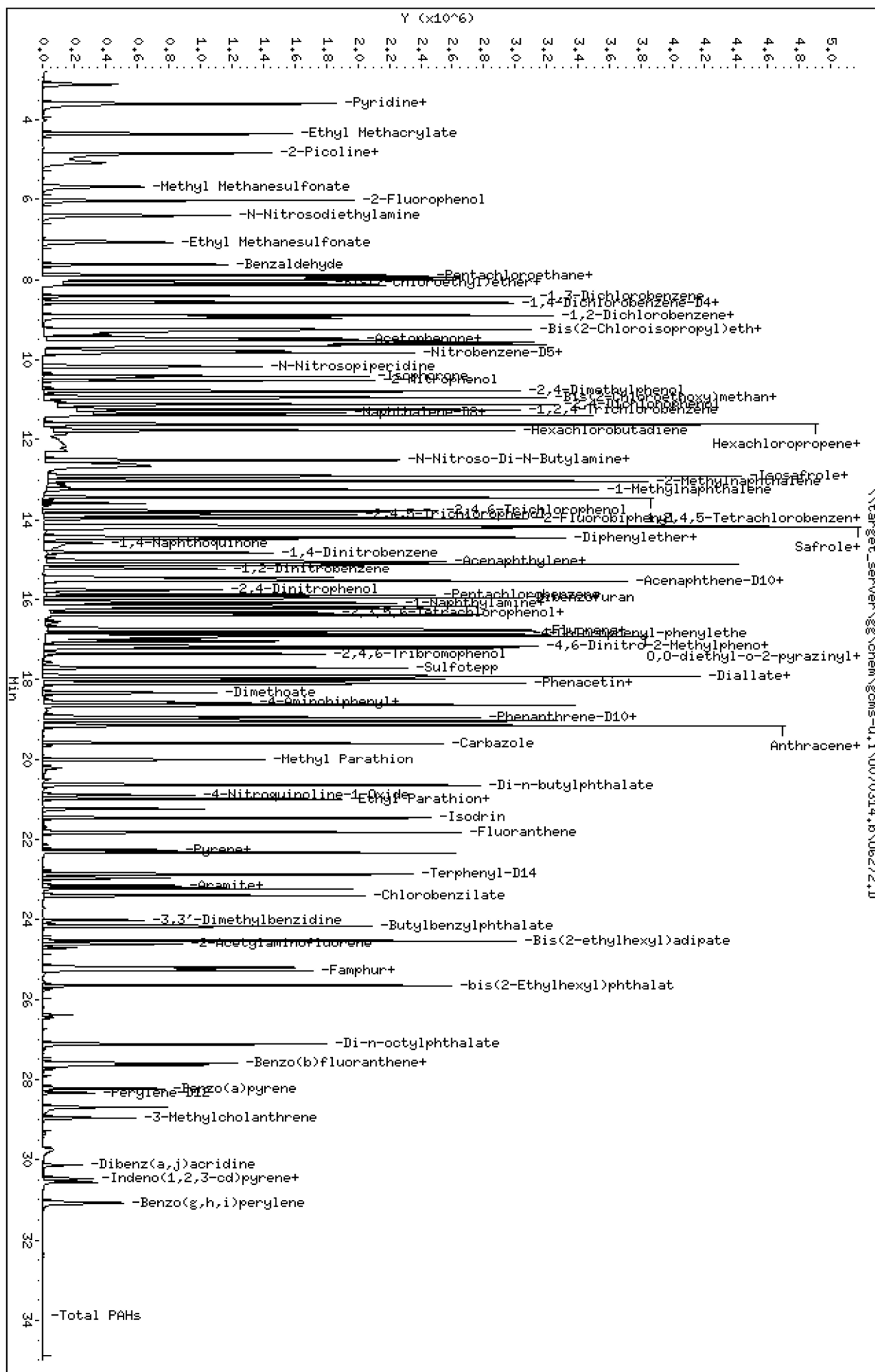
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Column phase: ZB5-MS

Instrument: goms-u,i

Operator: JCG

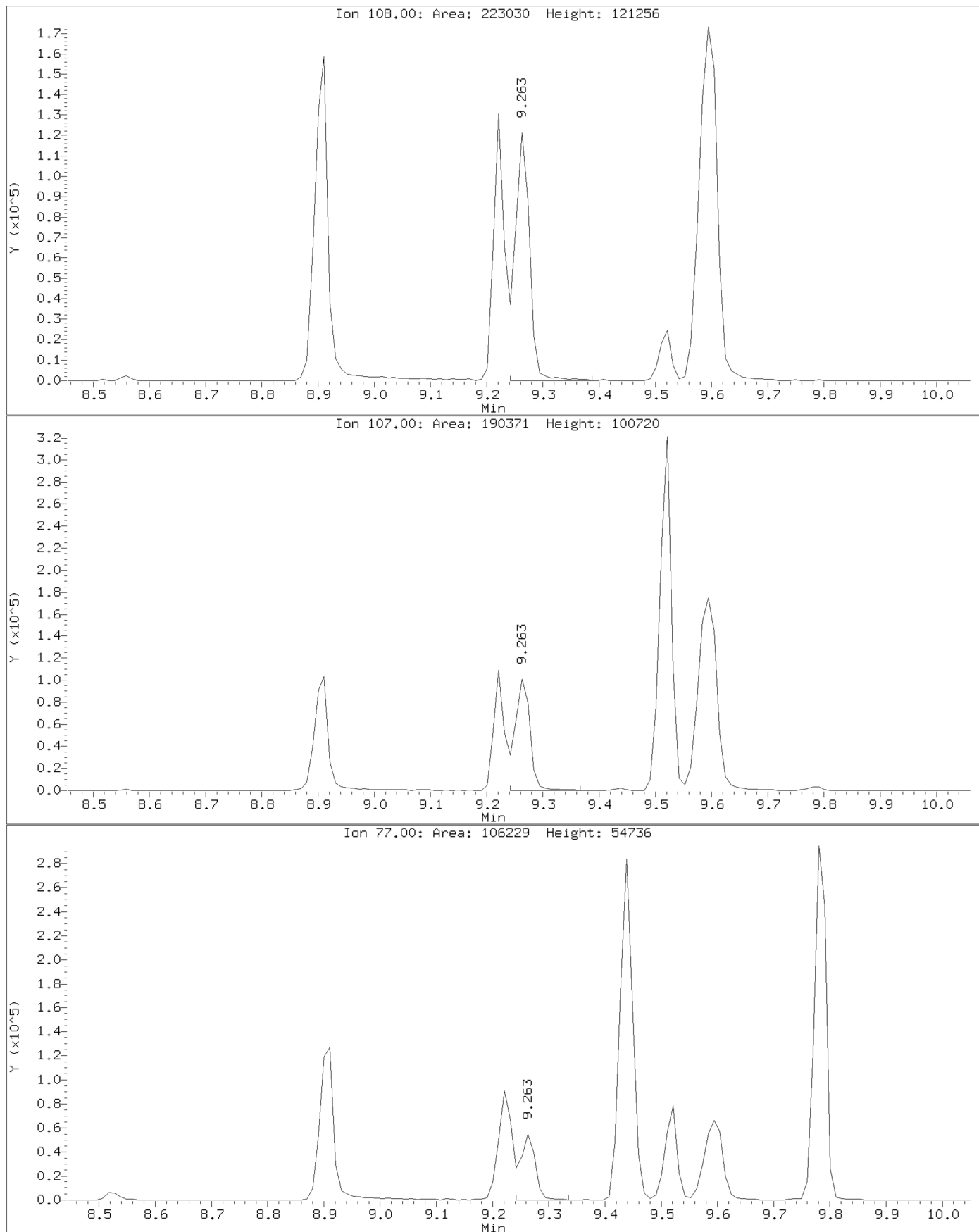
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Client Sample ID:

Compound: 2-Methylphenol
CAS Number: 95-48-7

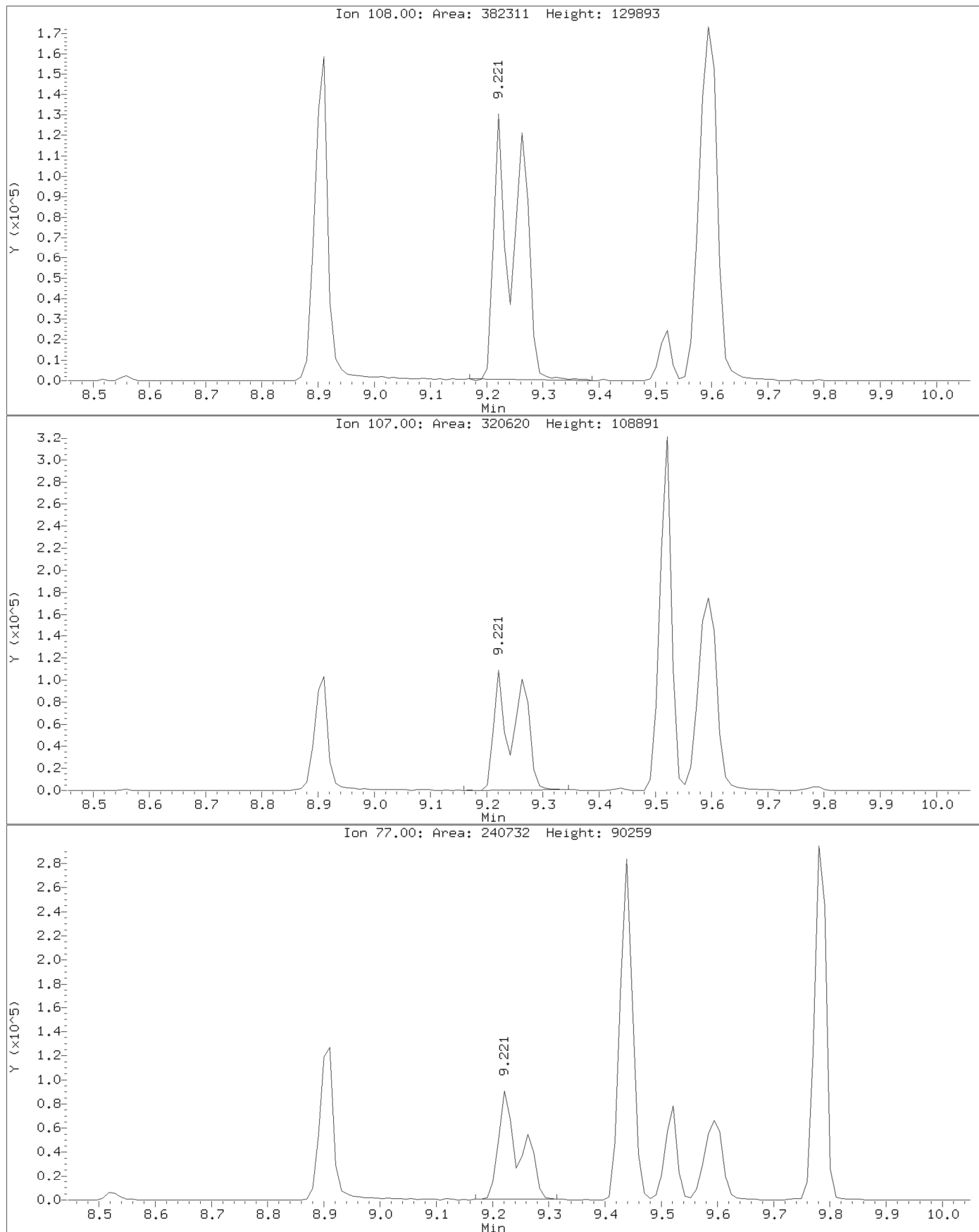
BEFORE MANUAL INTEGRATION



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CAS Number: 95-48-7

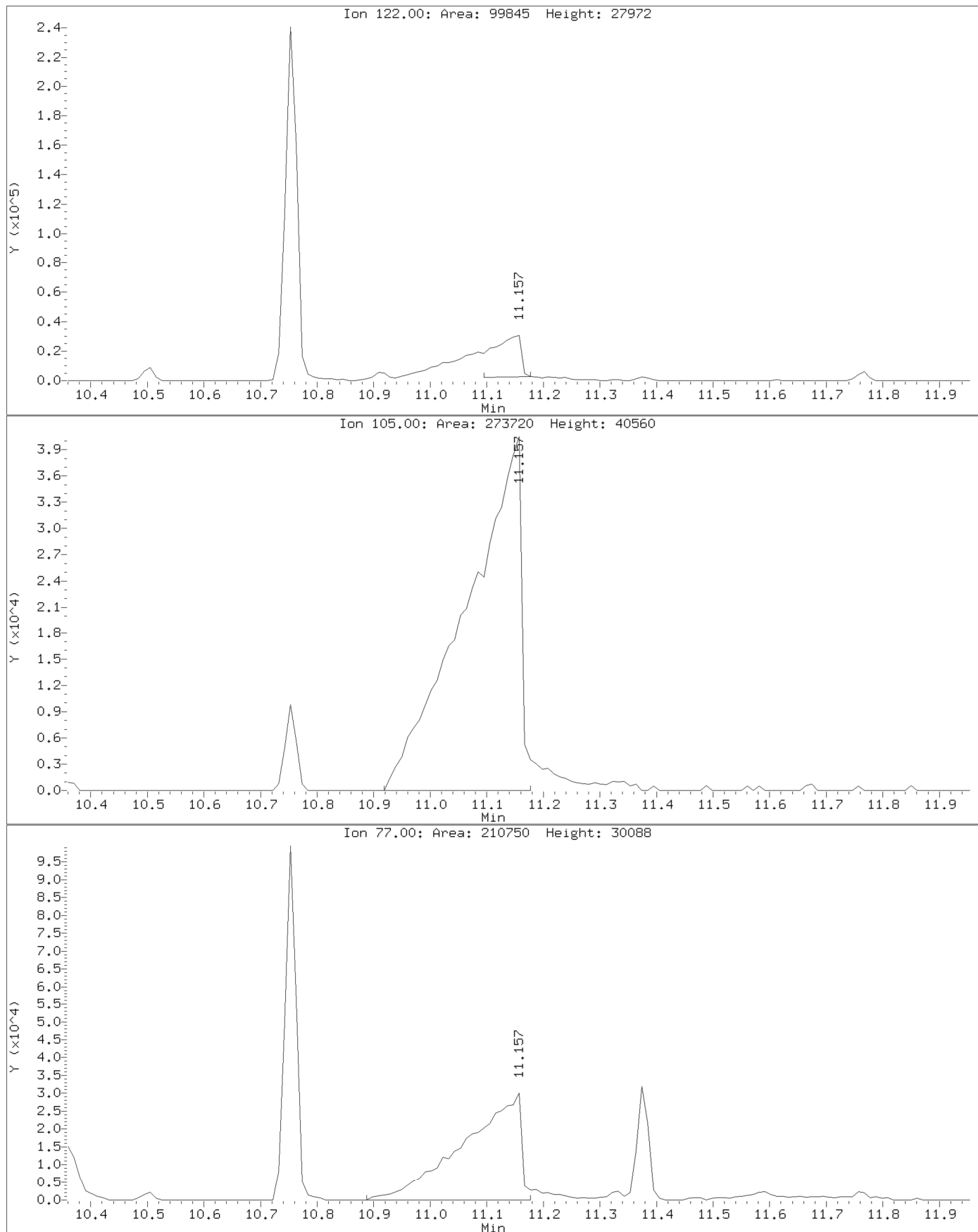
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Compound: Benzoic acid
CAS Number: 65-85-0

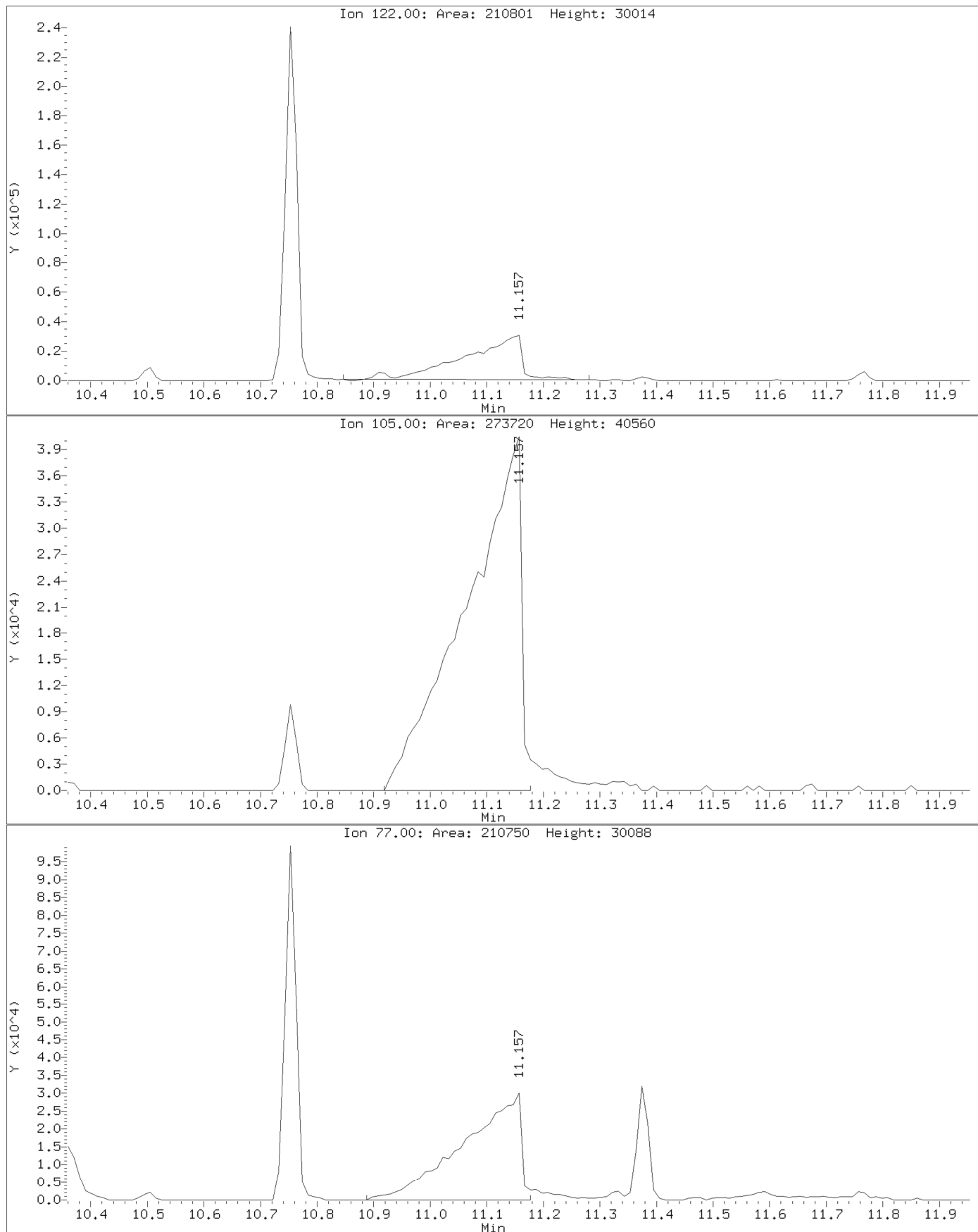
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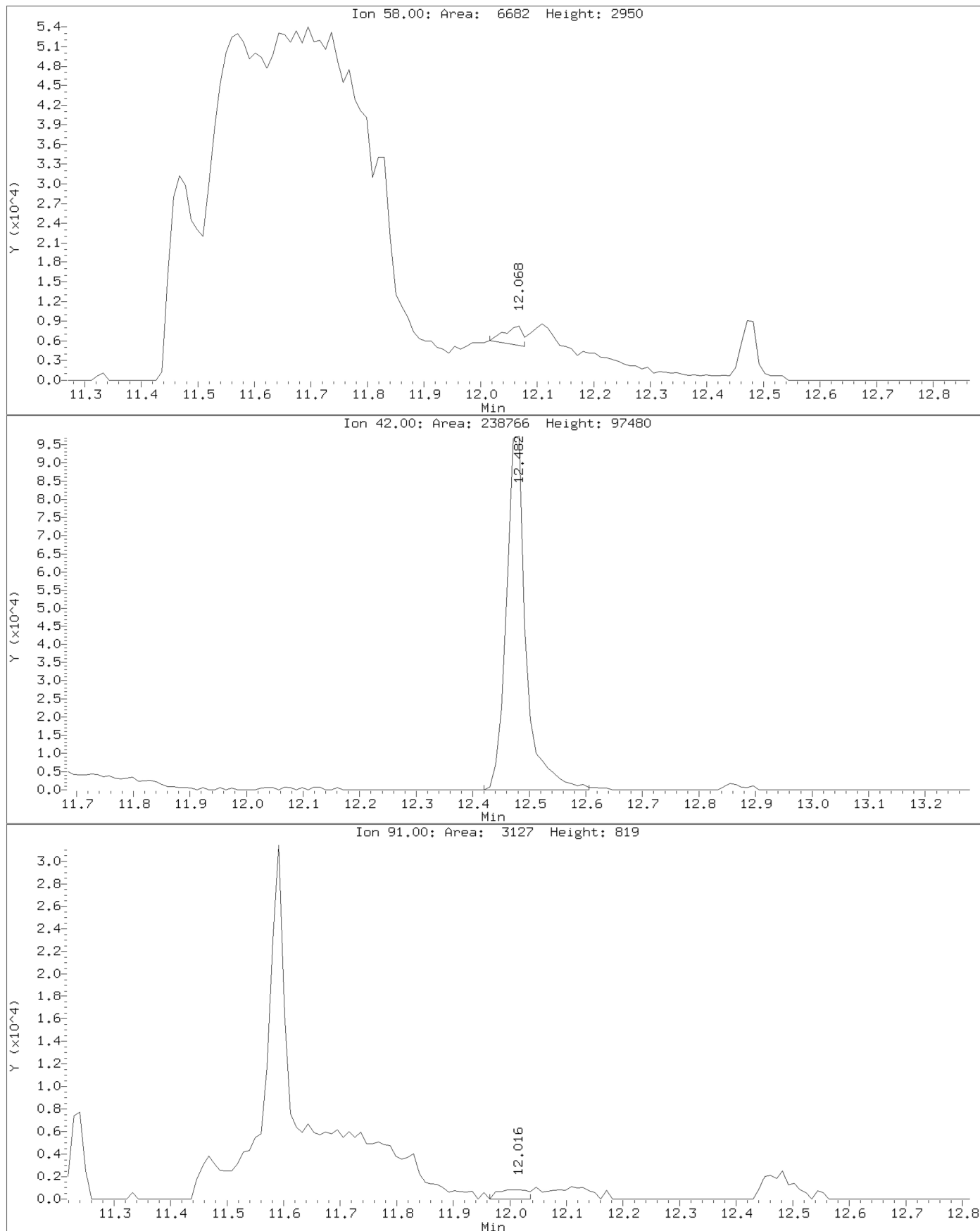
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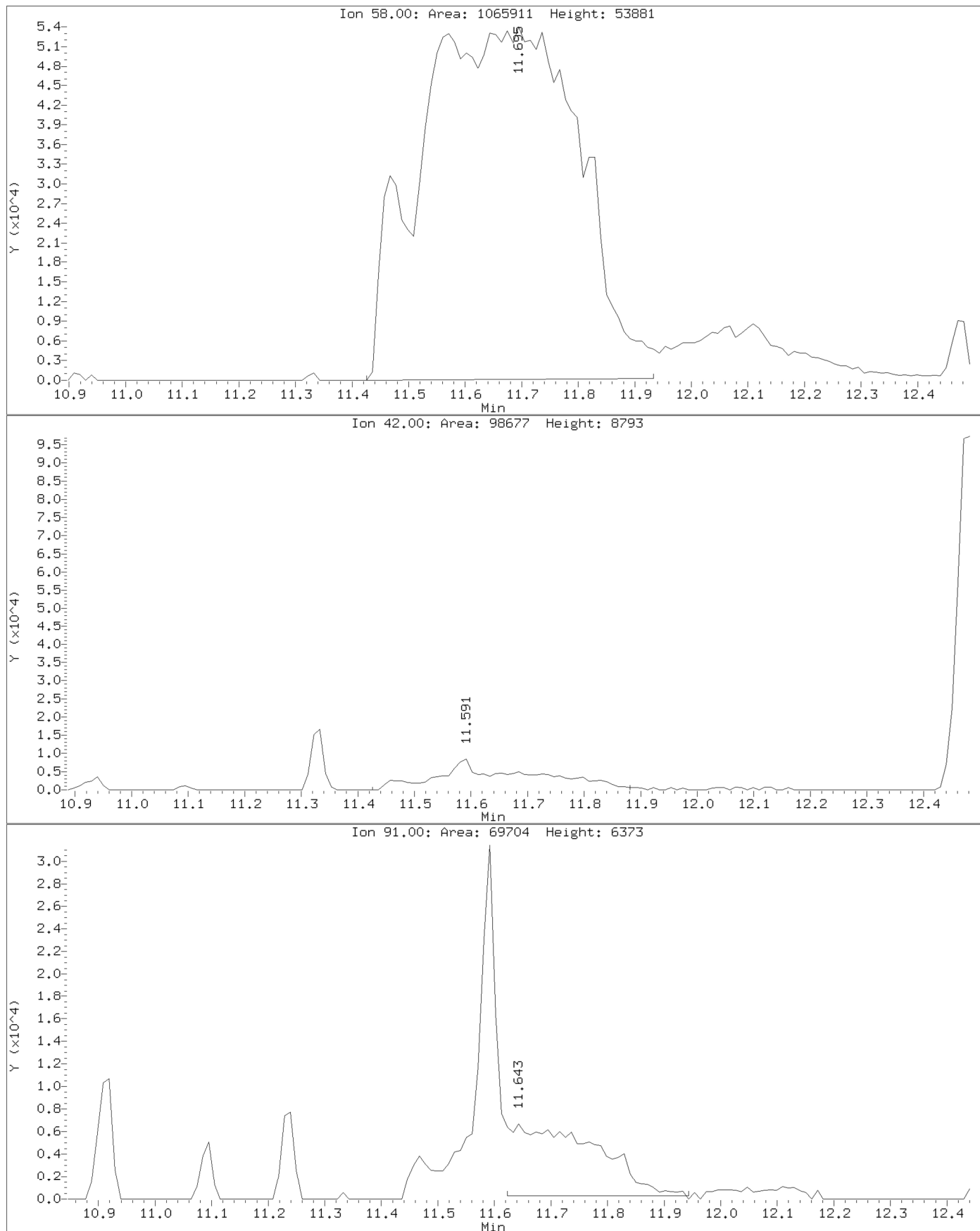
Compound: A,A-Dimethylphenethylamine
CAS Number: 122-09-8



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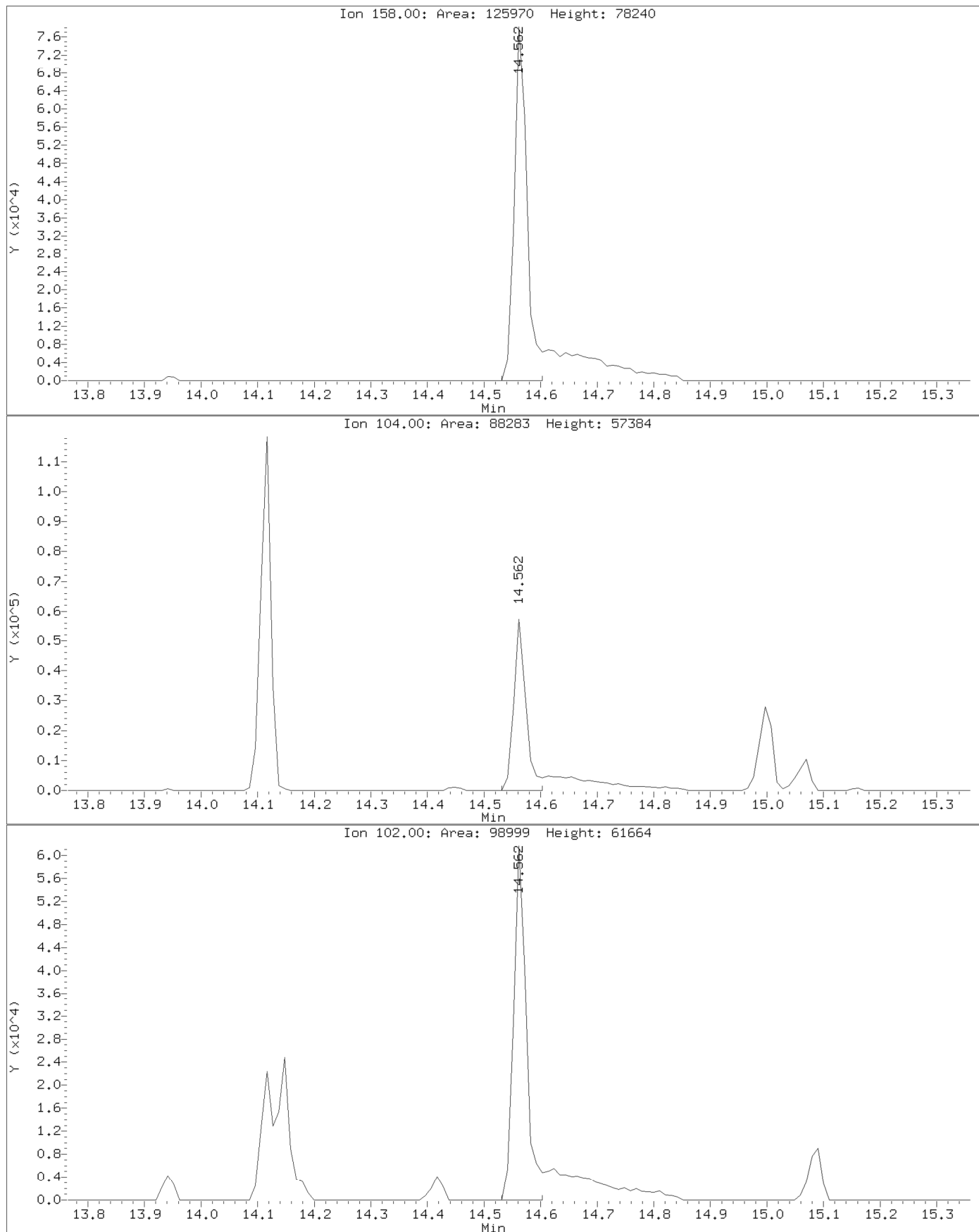
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Client Sample ID:

Compound: 1,4-Naphthoquinone
CAS Number: 130-15-4

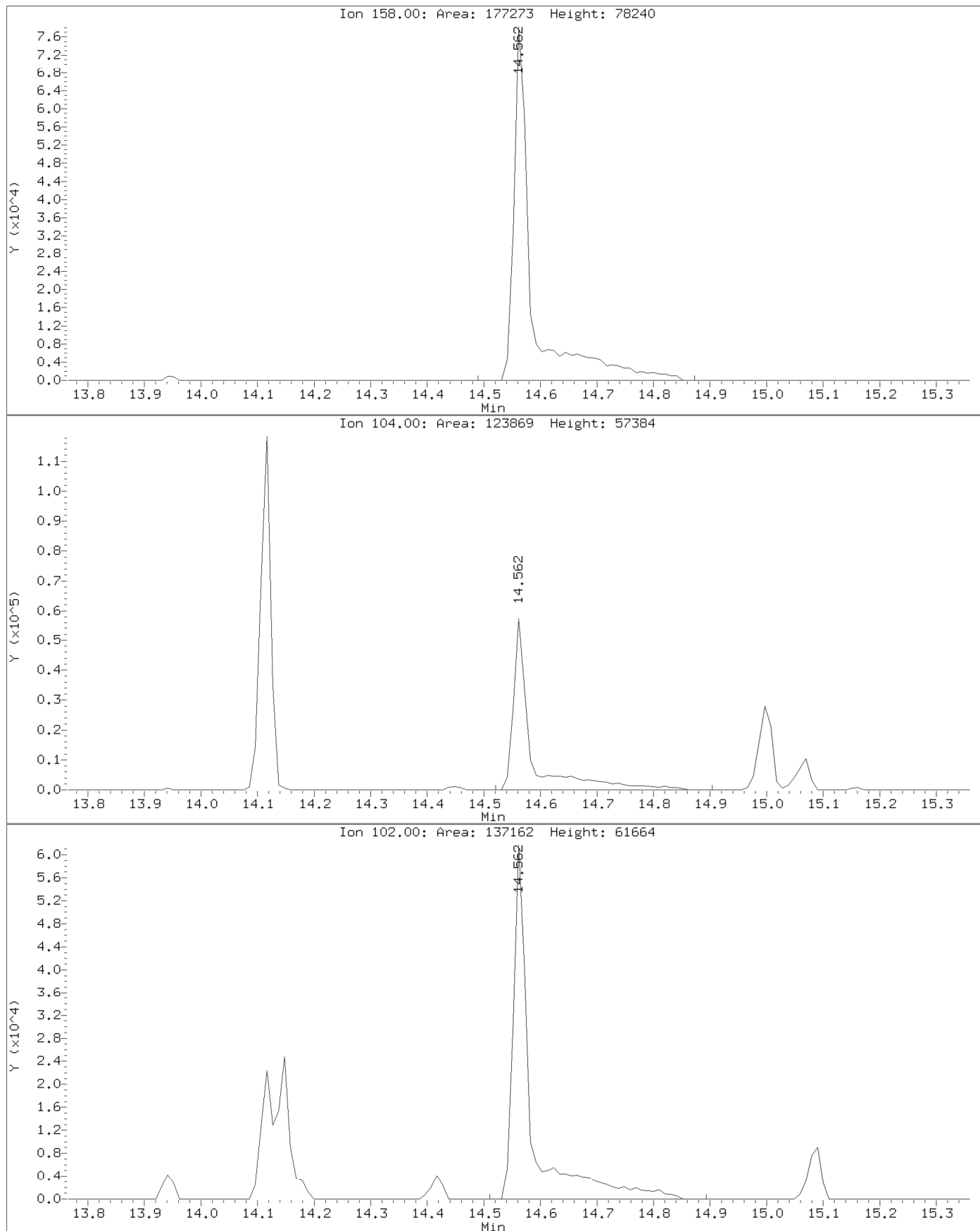
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CAS Number: 130-15-4

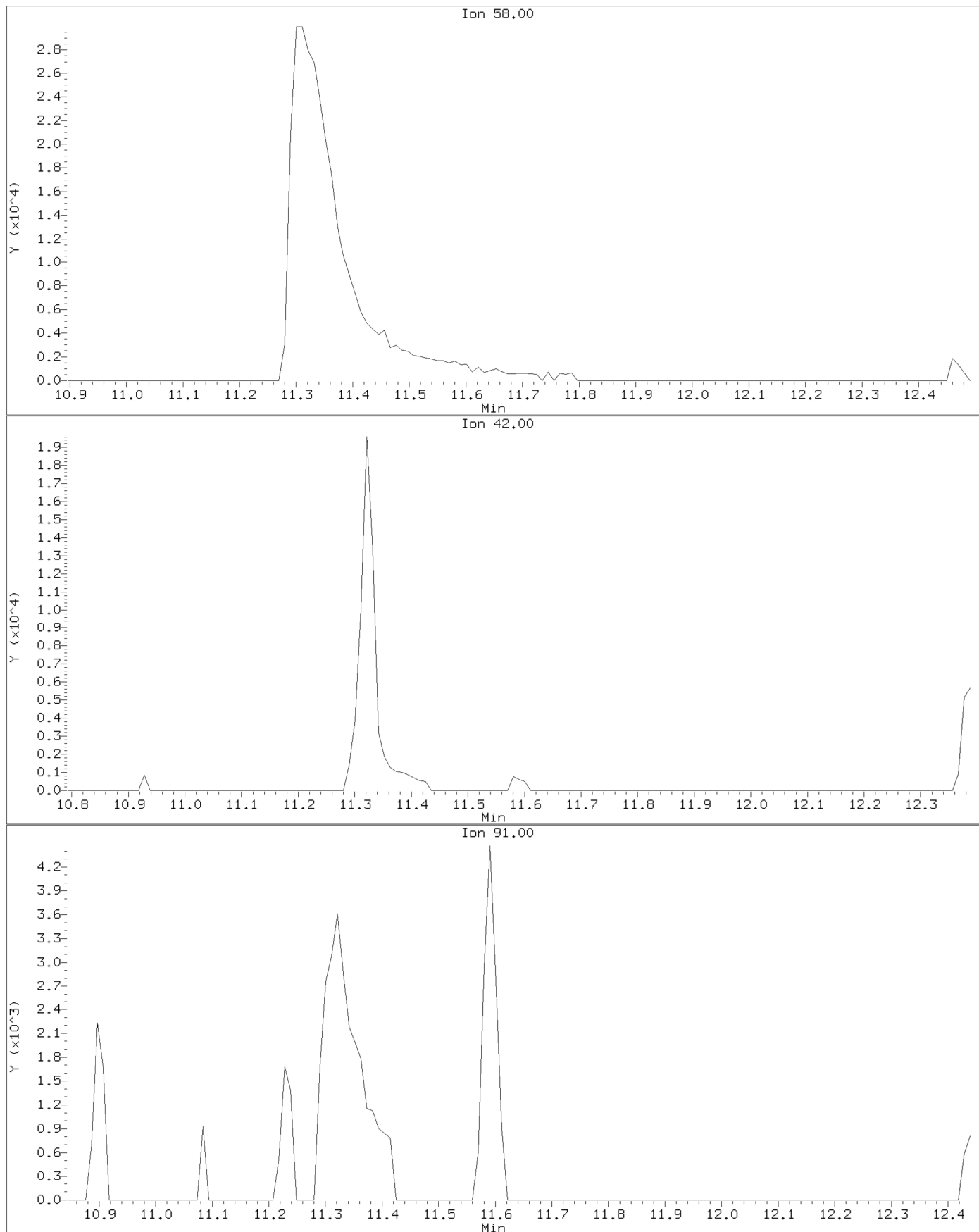
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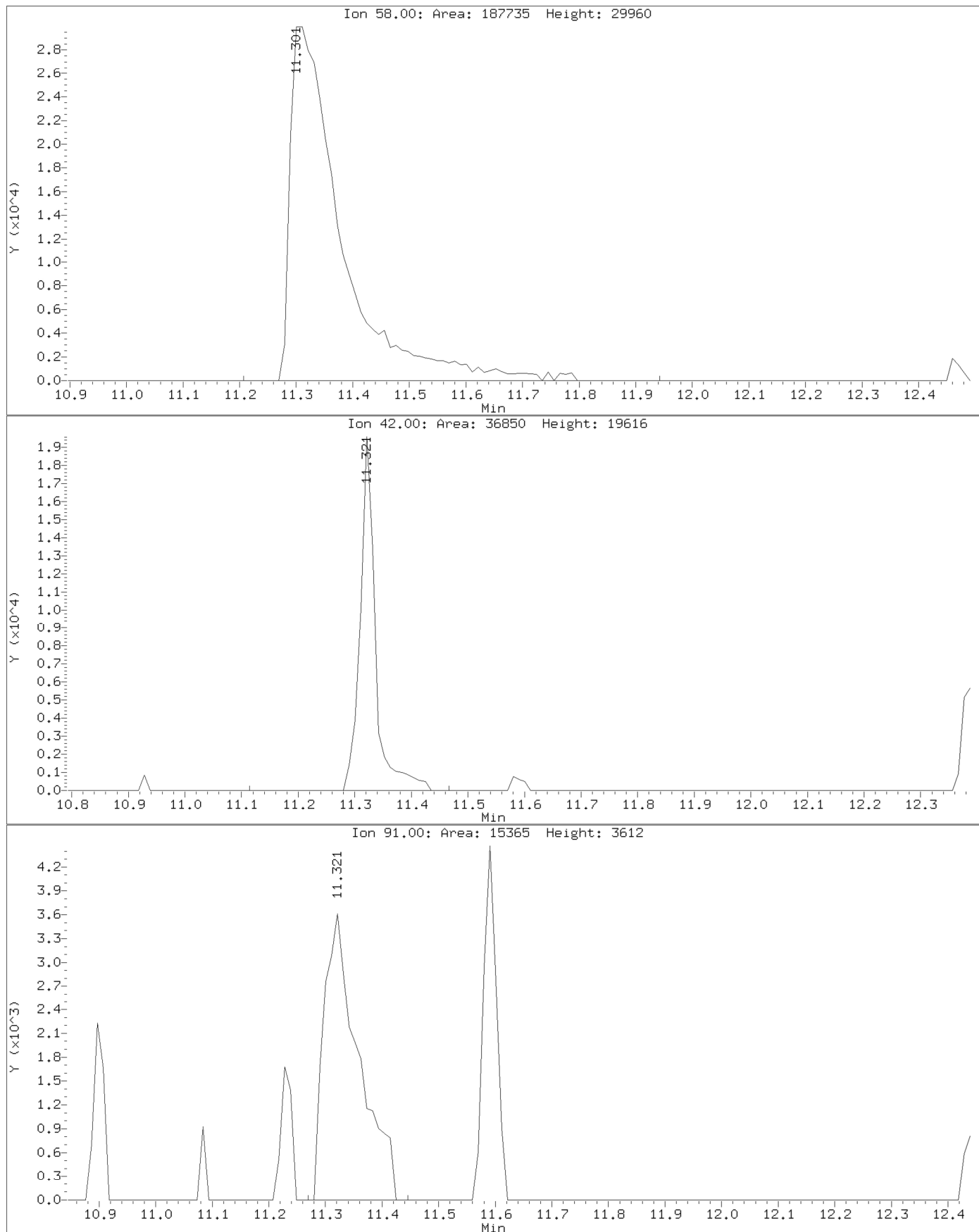
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CAS Number: 122-09-8



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Client Sample ID:

Compound: A,A-Dimethylphenethylamine
CAS Number: 122-09-8

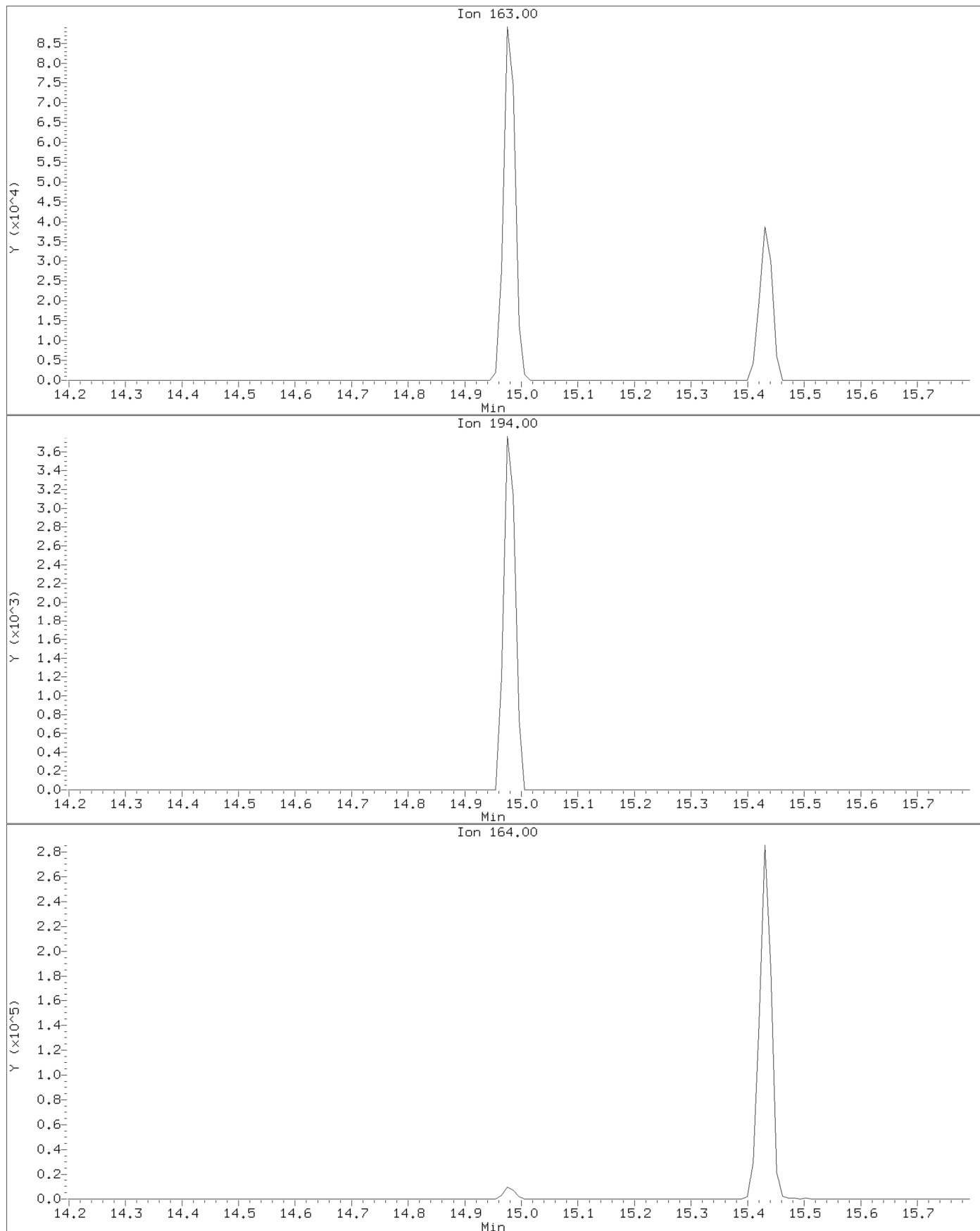
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Client Sample ID:

Compound: Dimethyl Phthalate
CAS Number: 131-11-3

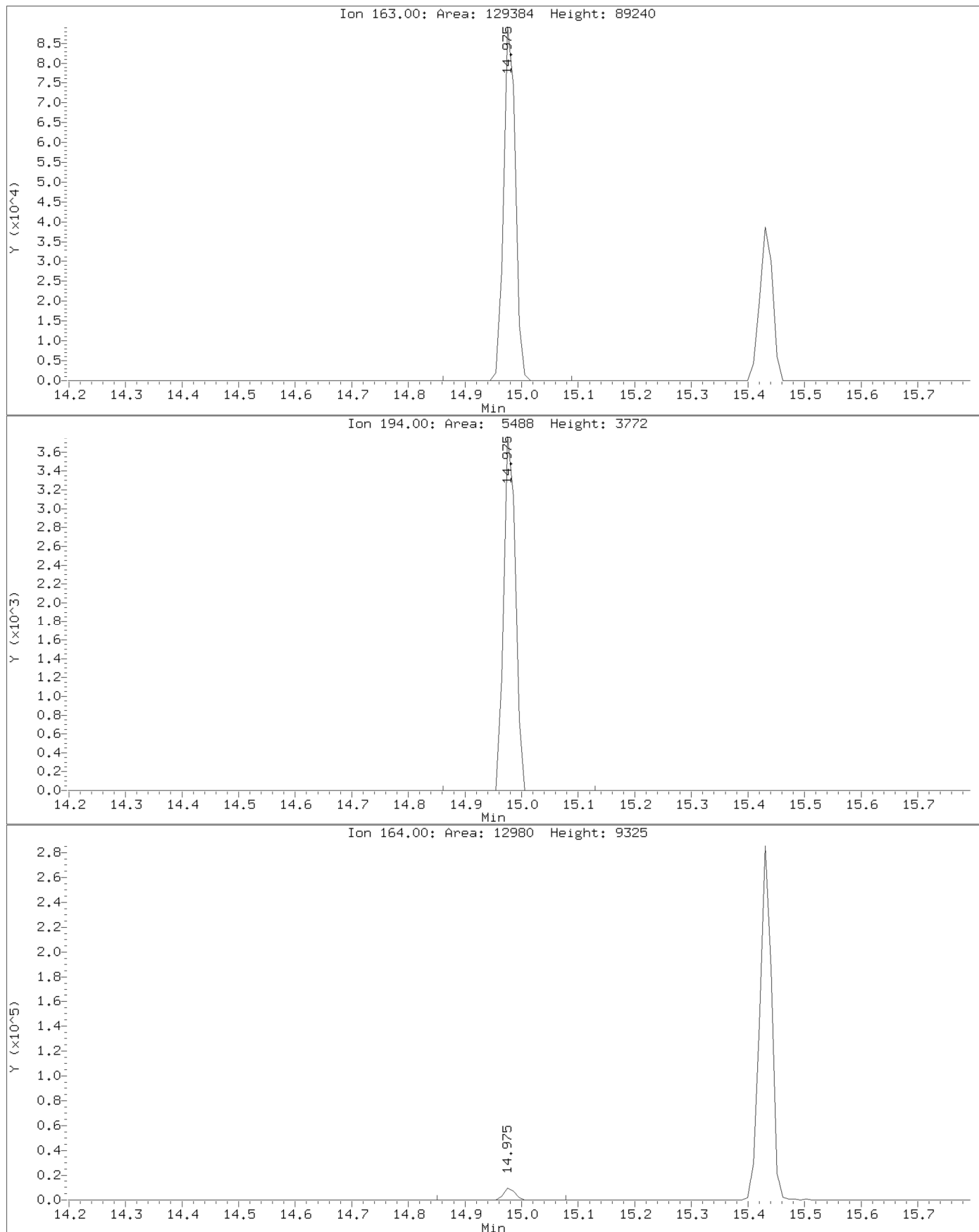
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AFTER MANUAL INTEGRATION

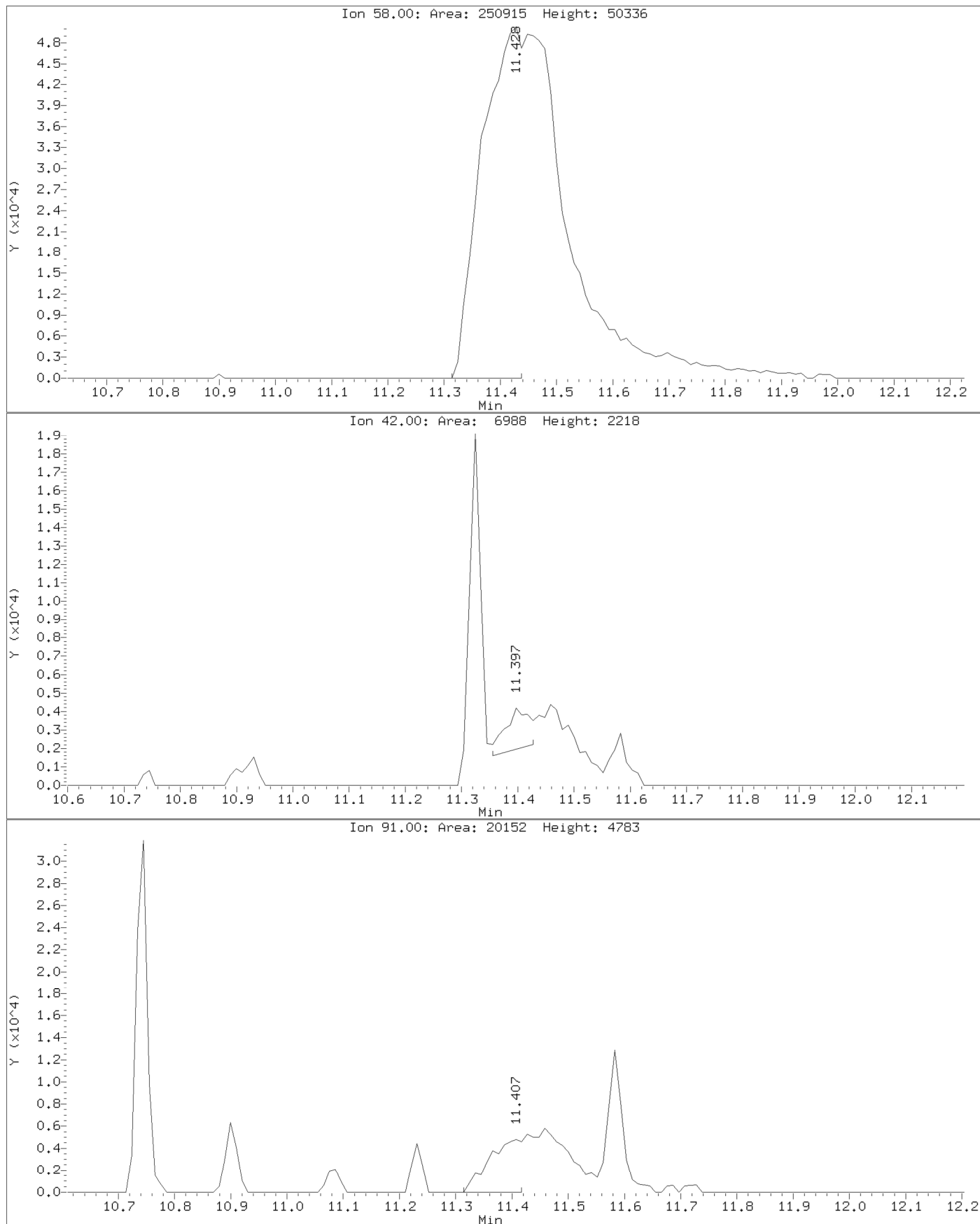
Compound: Dimethyl Phthalate
CAS Number: 131-11-3



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Client Sample ID:

Compound: A,A-Dimethylphenethylamine
CAS Number: 122-09-8

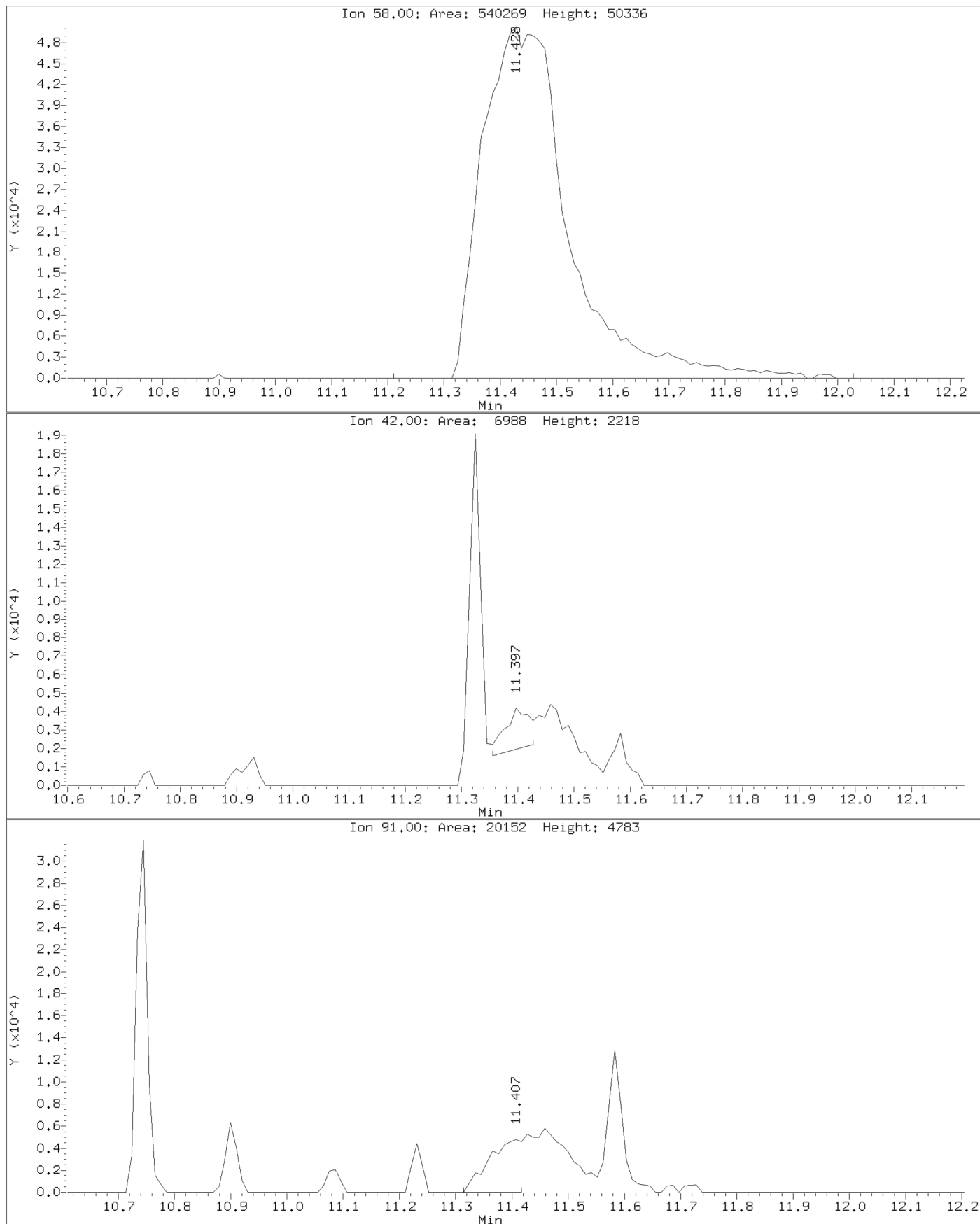
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Client Sample ID:

Compound: A,A-Dimethylphenethylamine
CAS Number: 122-09-8

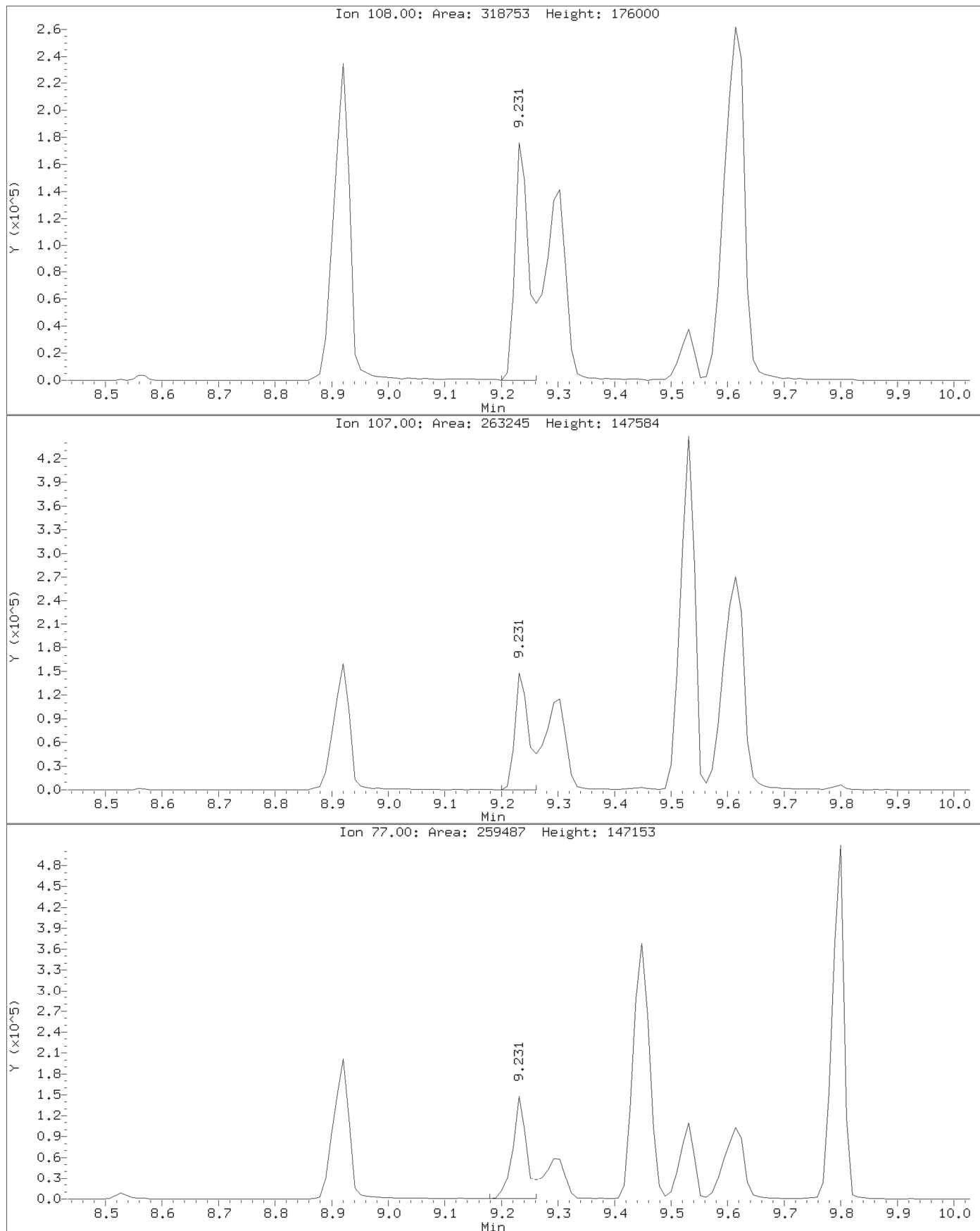
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Client Sample ID:

Compound: 2-Methylphenol
CAS Number: 95-48-7

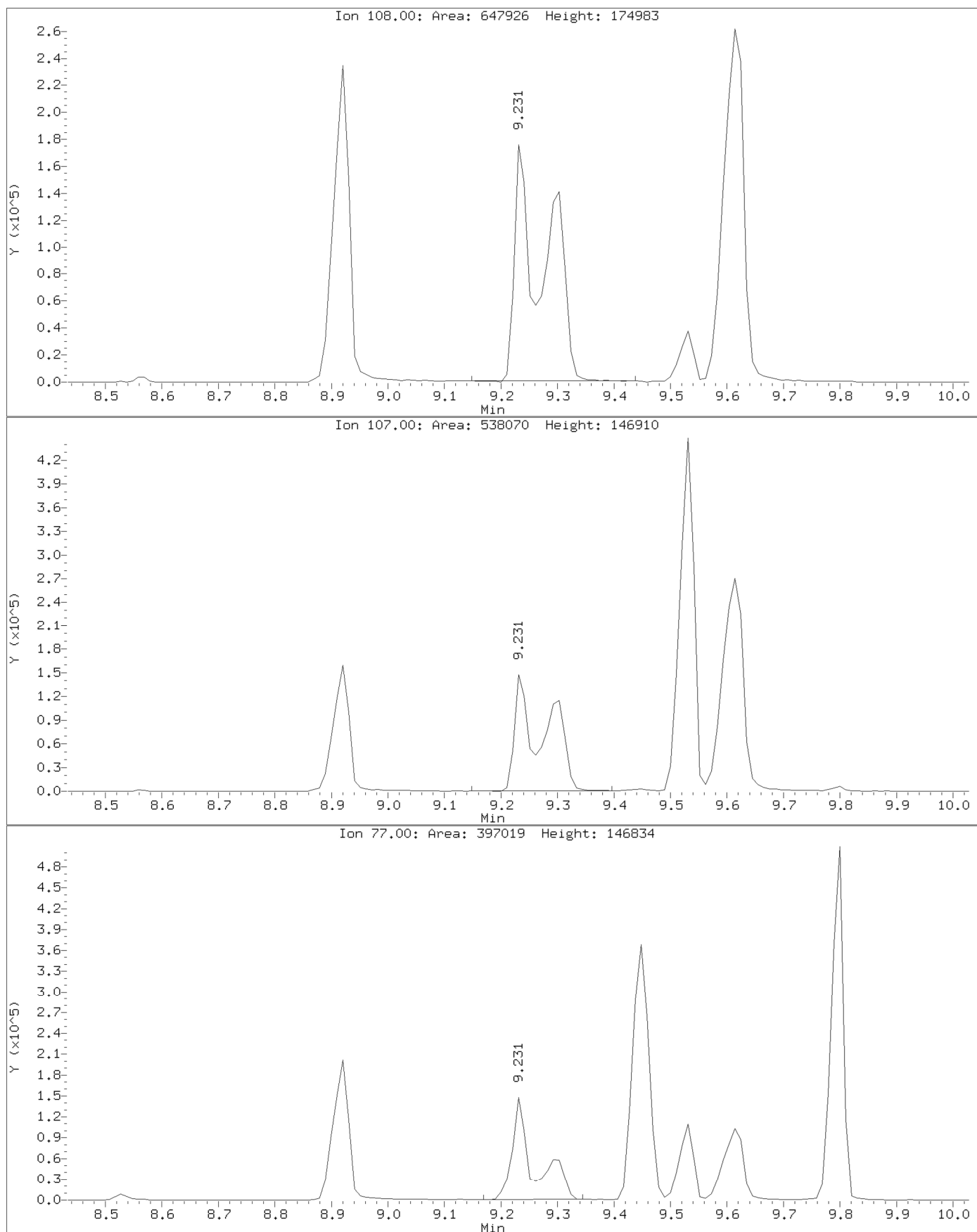
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CAS Number: 95-48-7

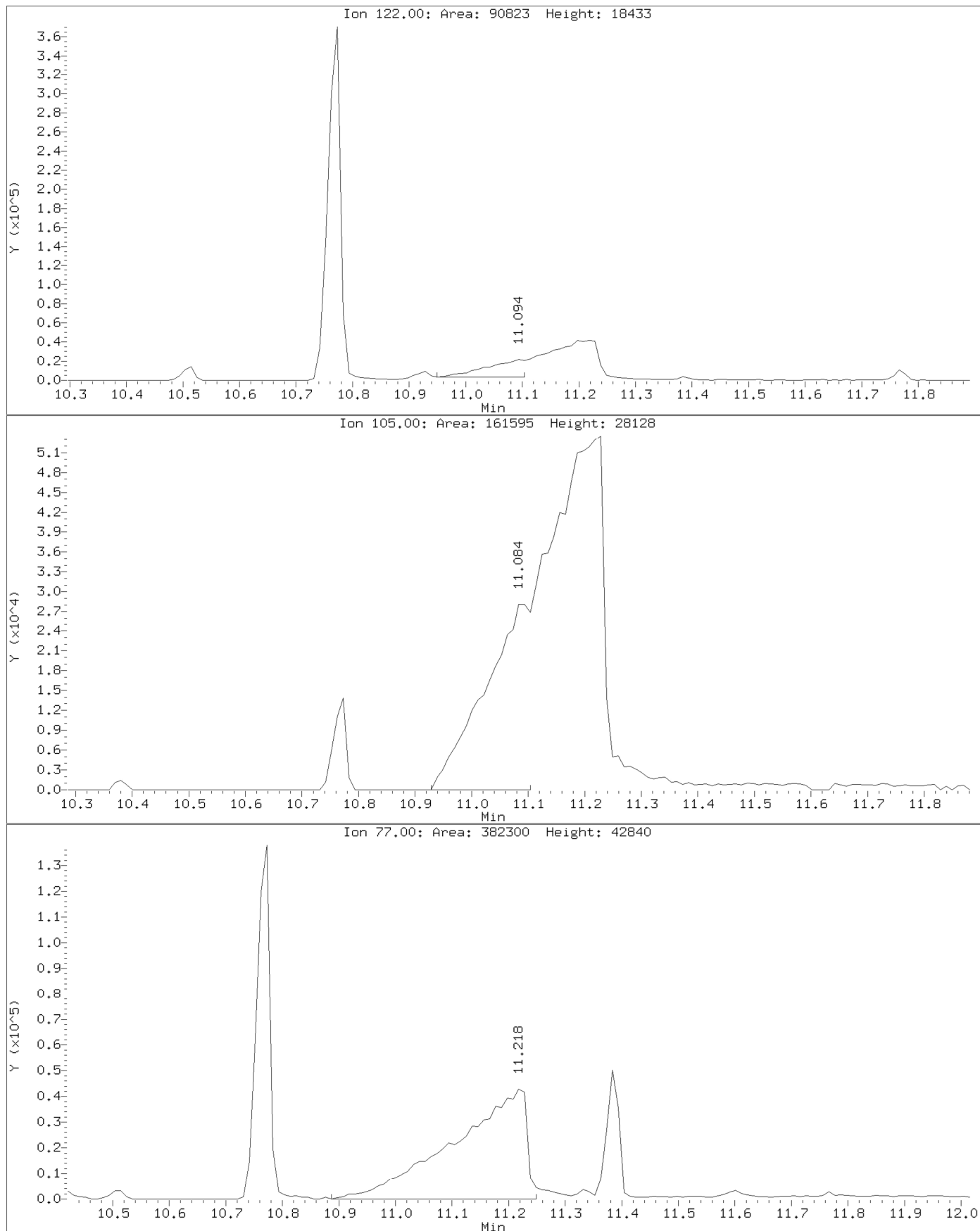
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Instrument: gcms-u.i
Client Sample ID:

Compound: Benzoic acid
CAS Number: 65-85-0

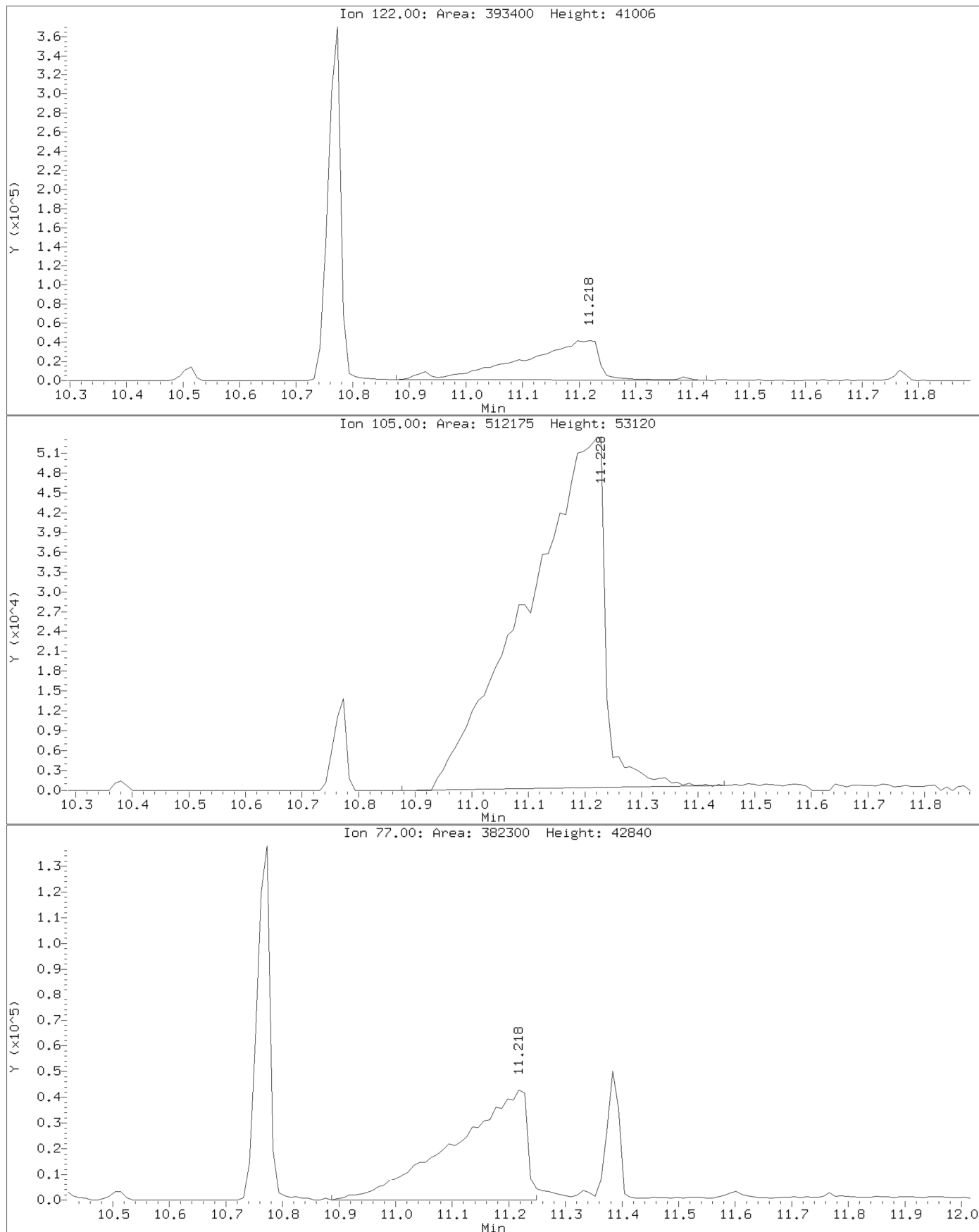
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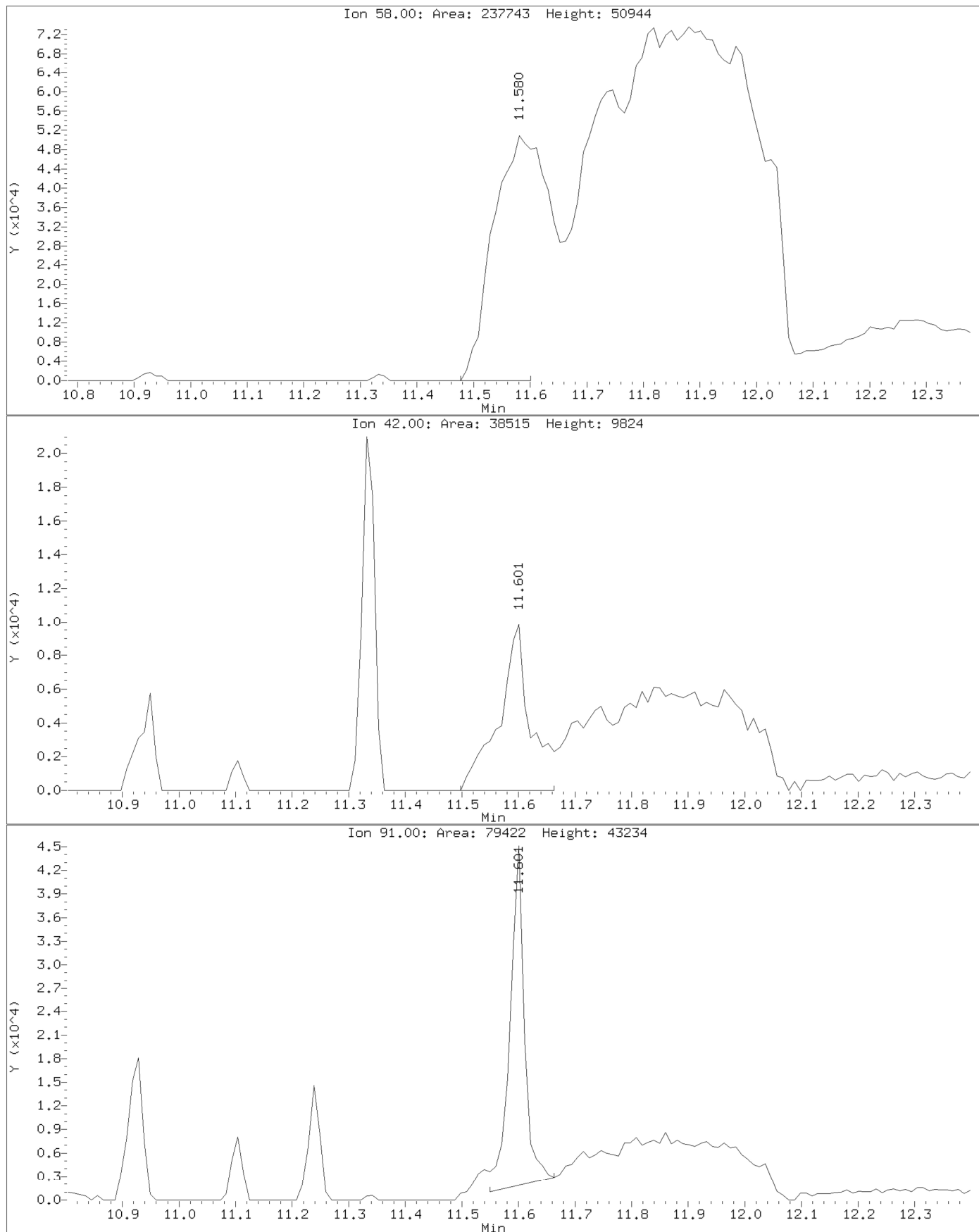
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CAS Number: 65-85-0



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Client Sample ID:

Compound: A,A-Dimethylphenethylamine
CAS Number: 122-09-8

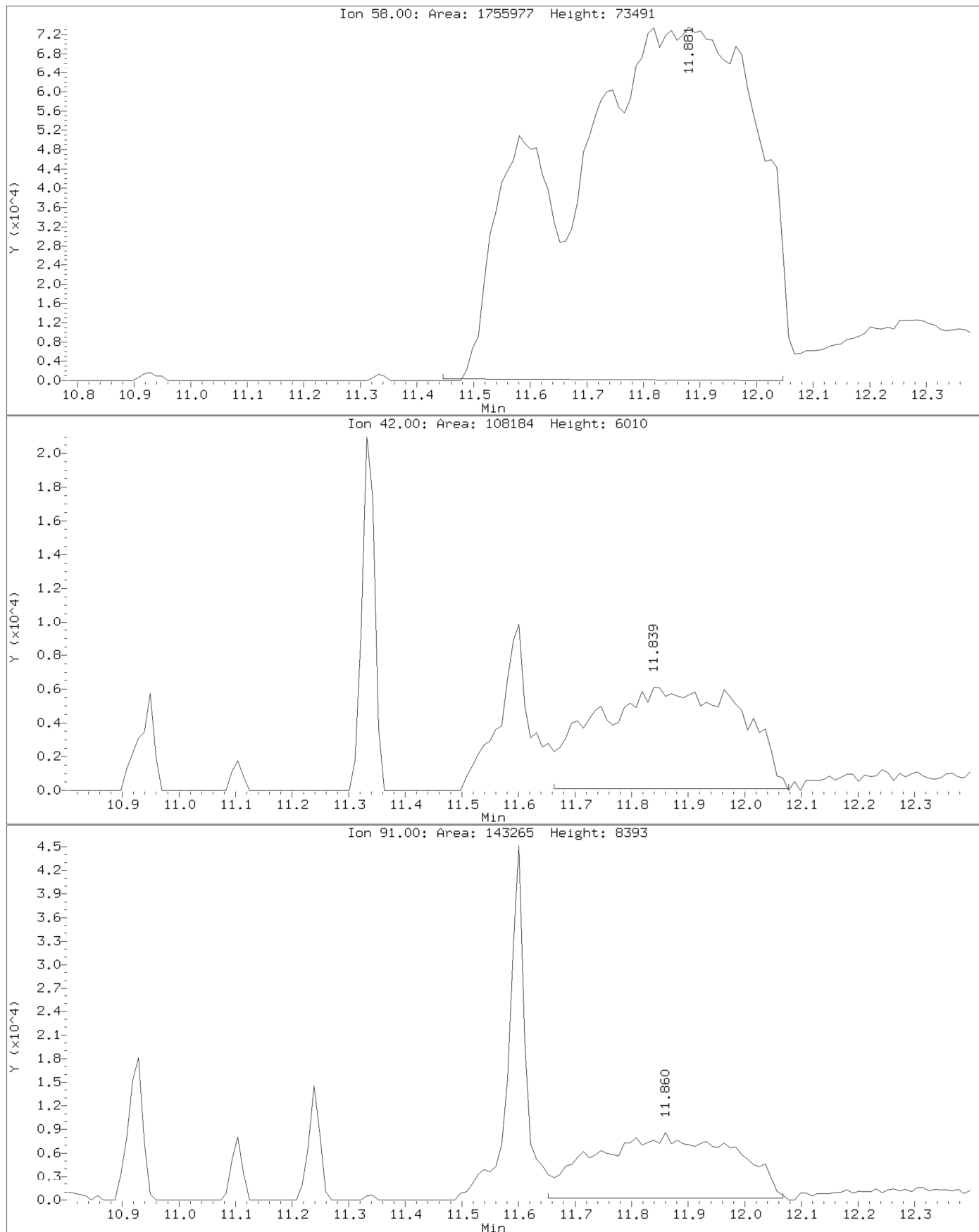
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Compound: A.A-Dimethylphenethylamine
CAS Number: 122-09-8

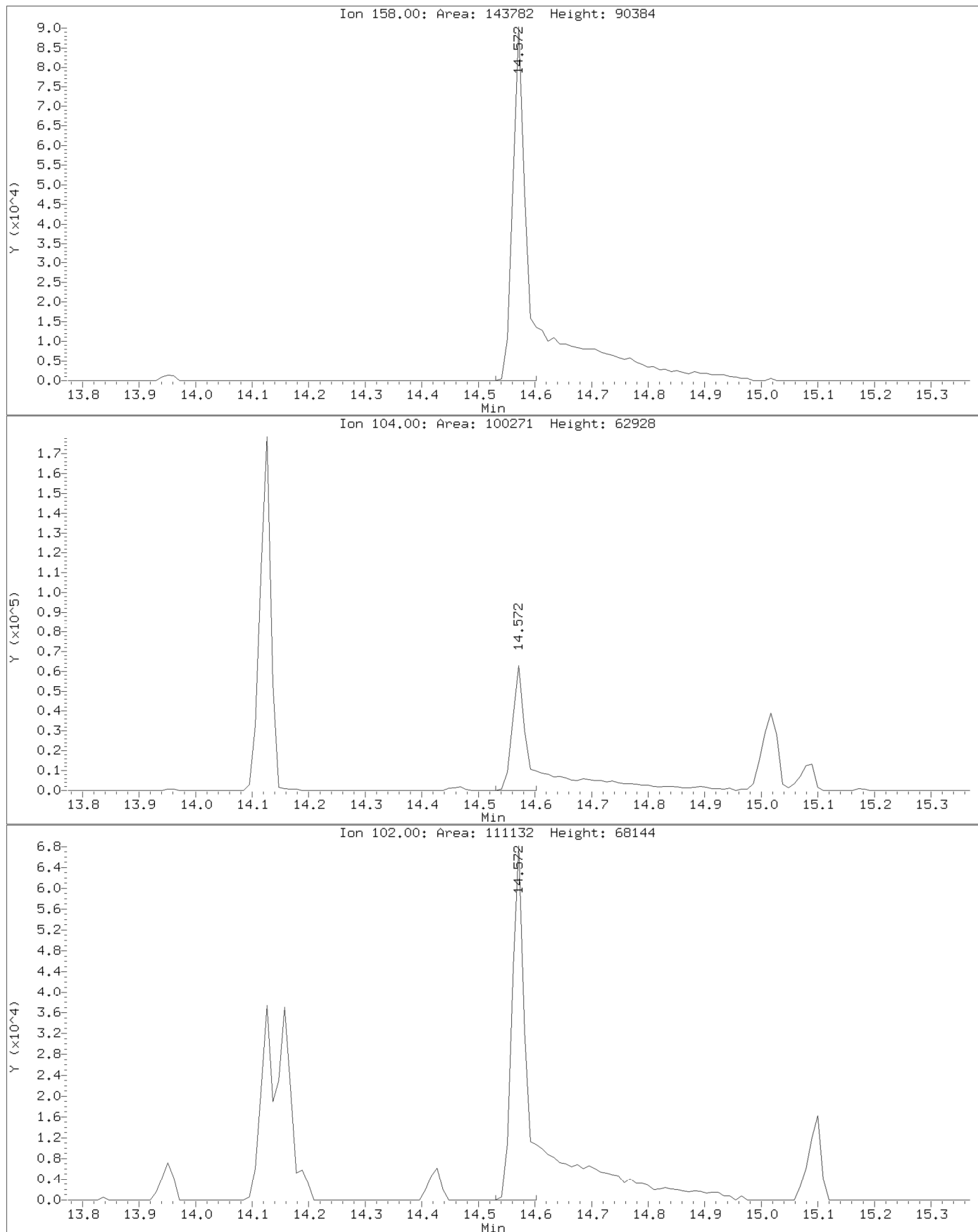
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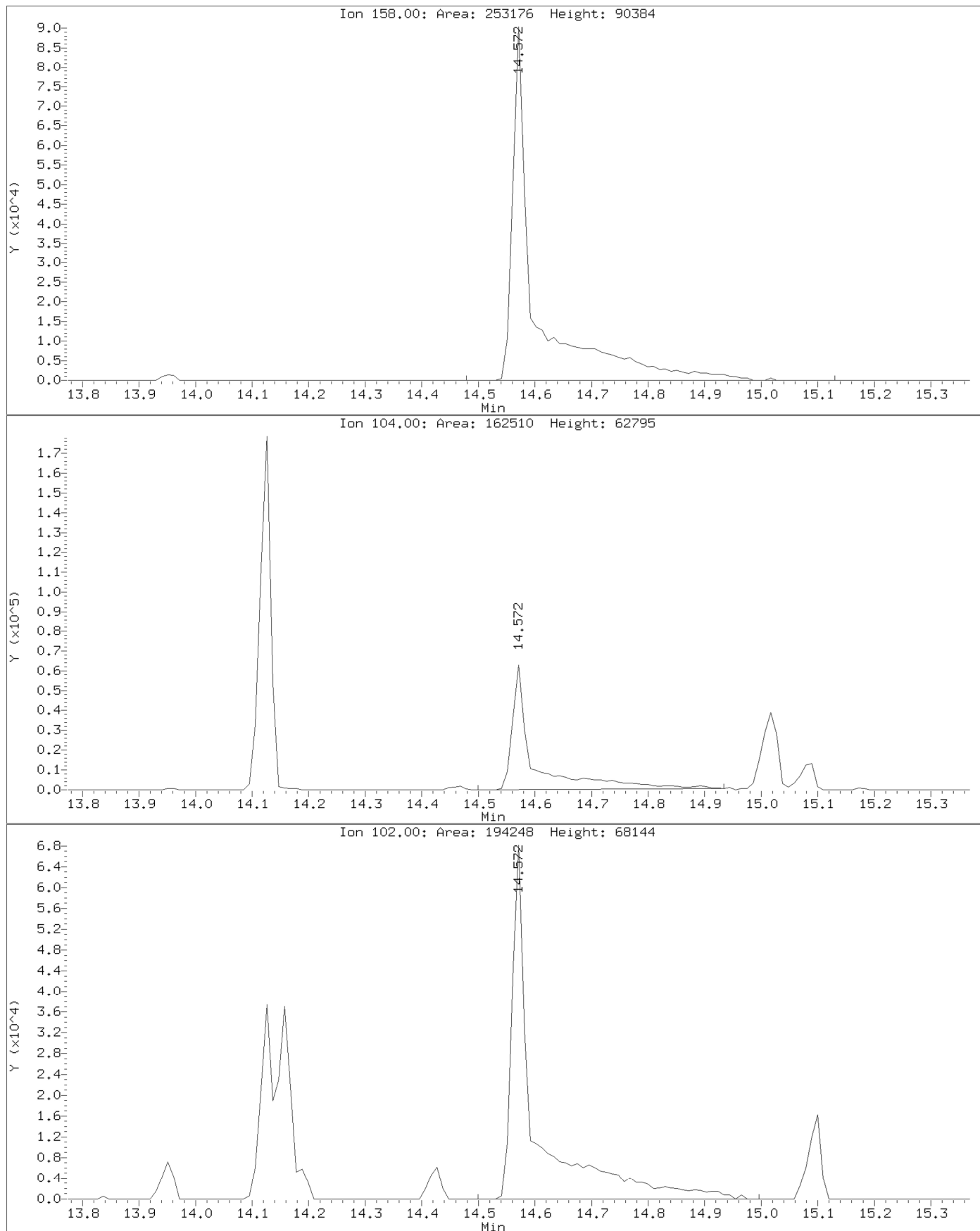
Compound: 1,4-Naphthoquinone
CAS Number: 130-15-4



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Client Sample ID:

Compound: 1,4-Naphthoquinone
CAS Number: 130-15-4

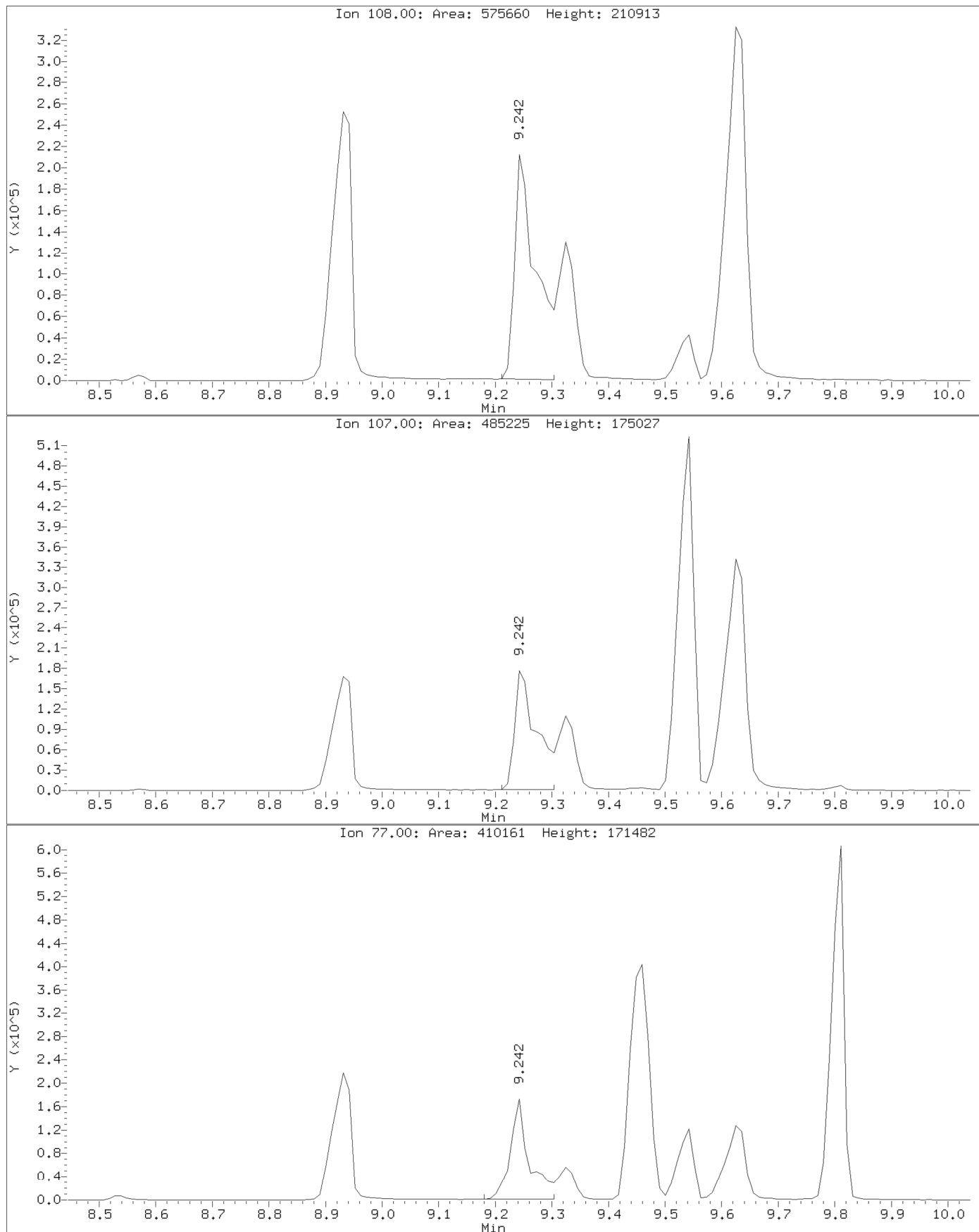
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Client Sample ID:

Compound: 2-Methylphenol
CAS Number: 95-48-7

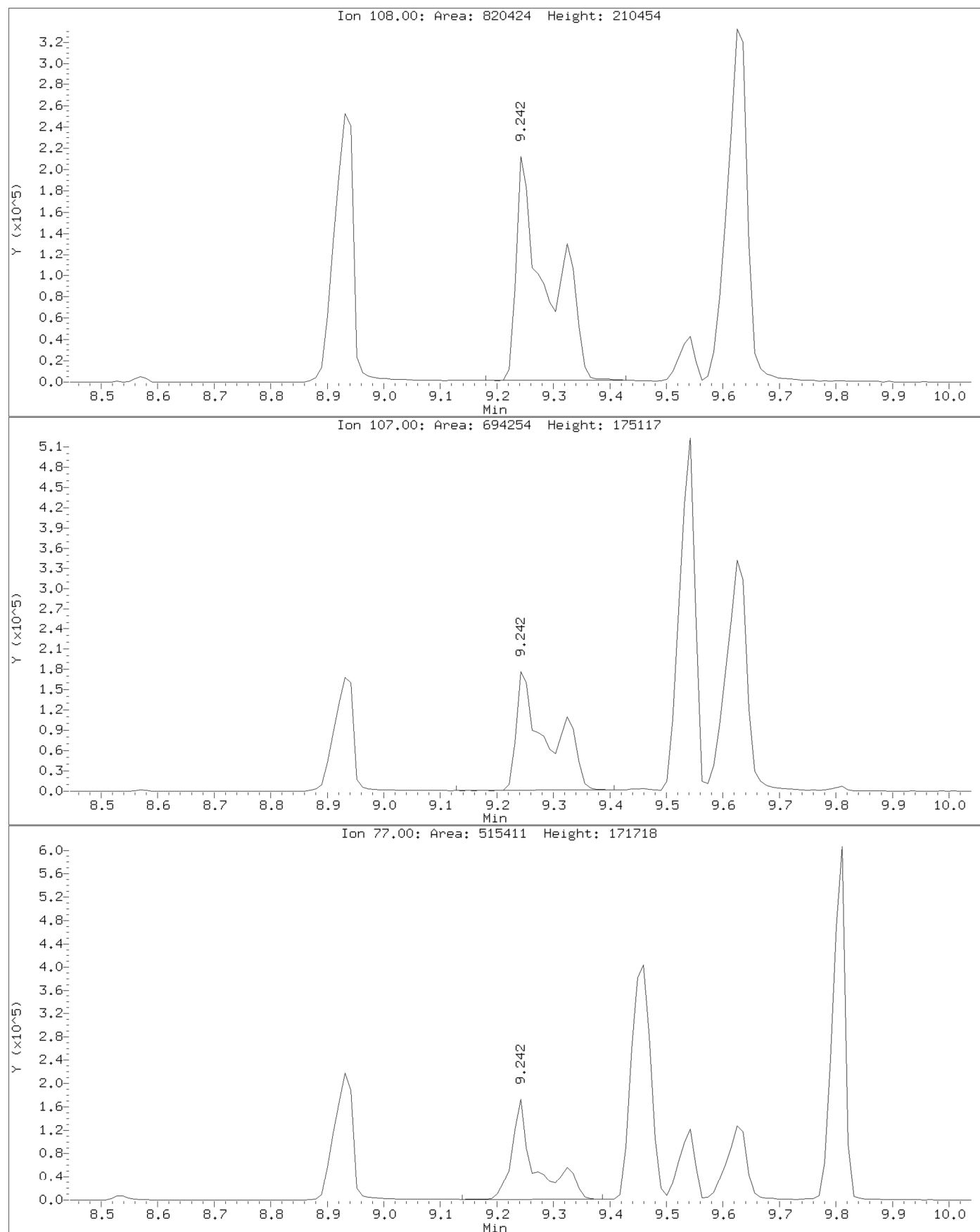
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AFTER MANUAL INTEGRATION

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Instrument: gcms-u.i
Client Sample ID:

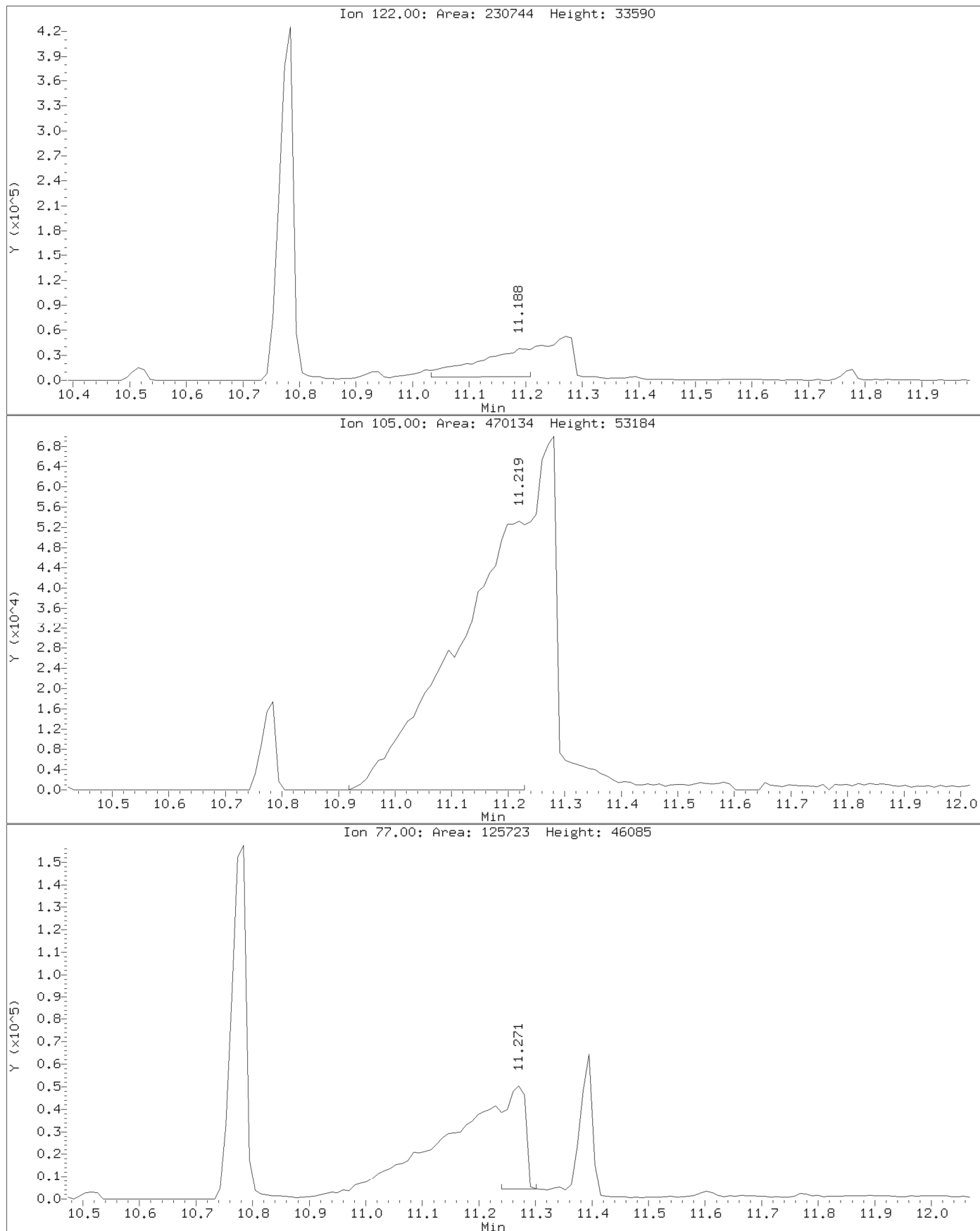
Compound: 2-Methylphenol
CAS Number: 95-48-7



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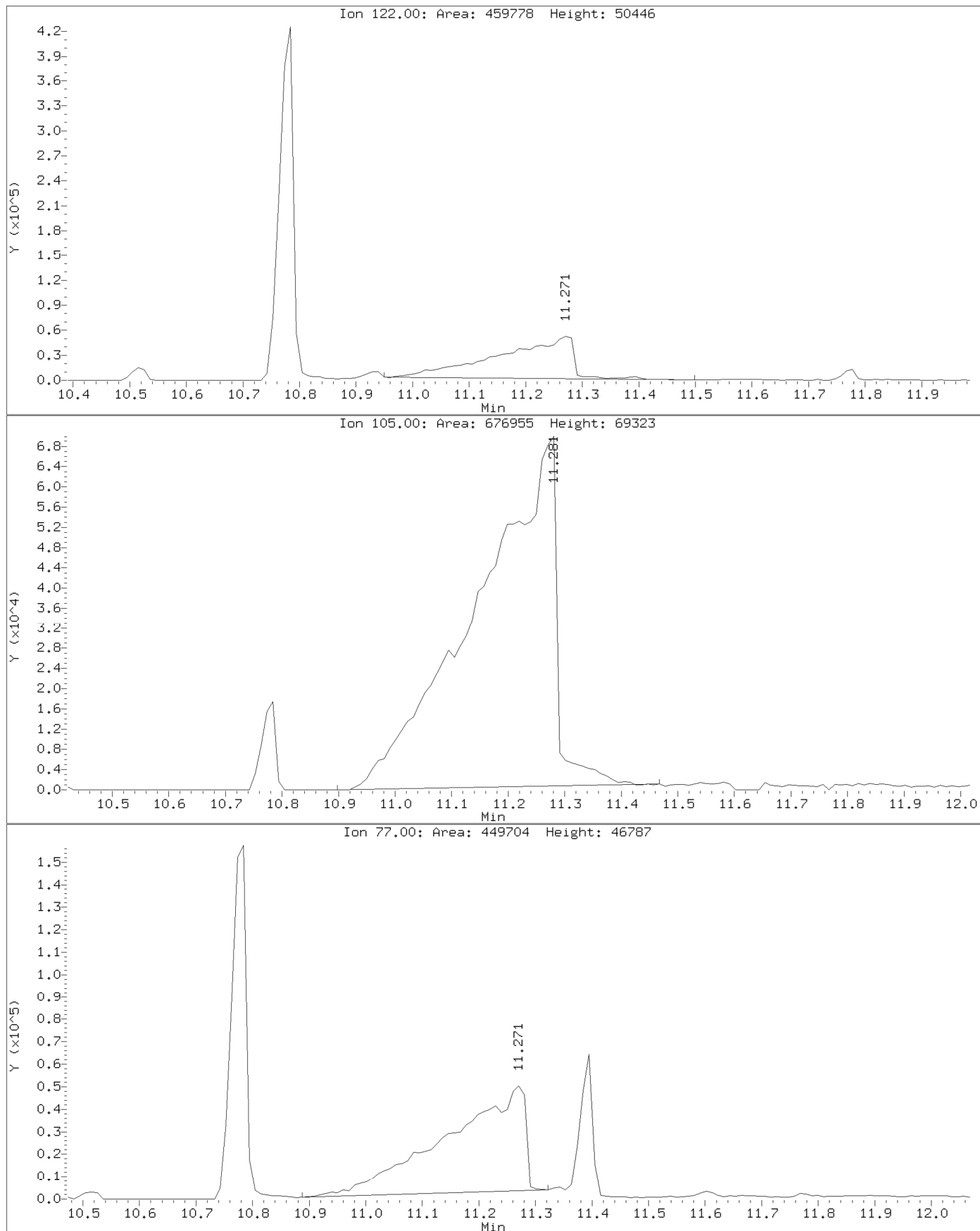
Compound: Benzoic acid
CAS Number: 65-85-0



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Client Sample ID:

Compound: Benzoic acid
CAS Number: 65-85-0

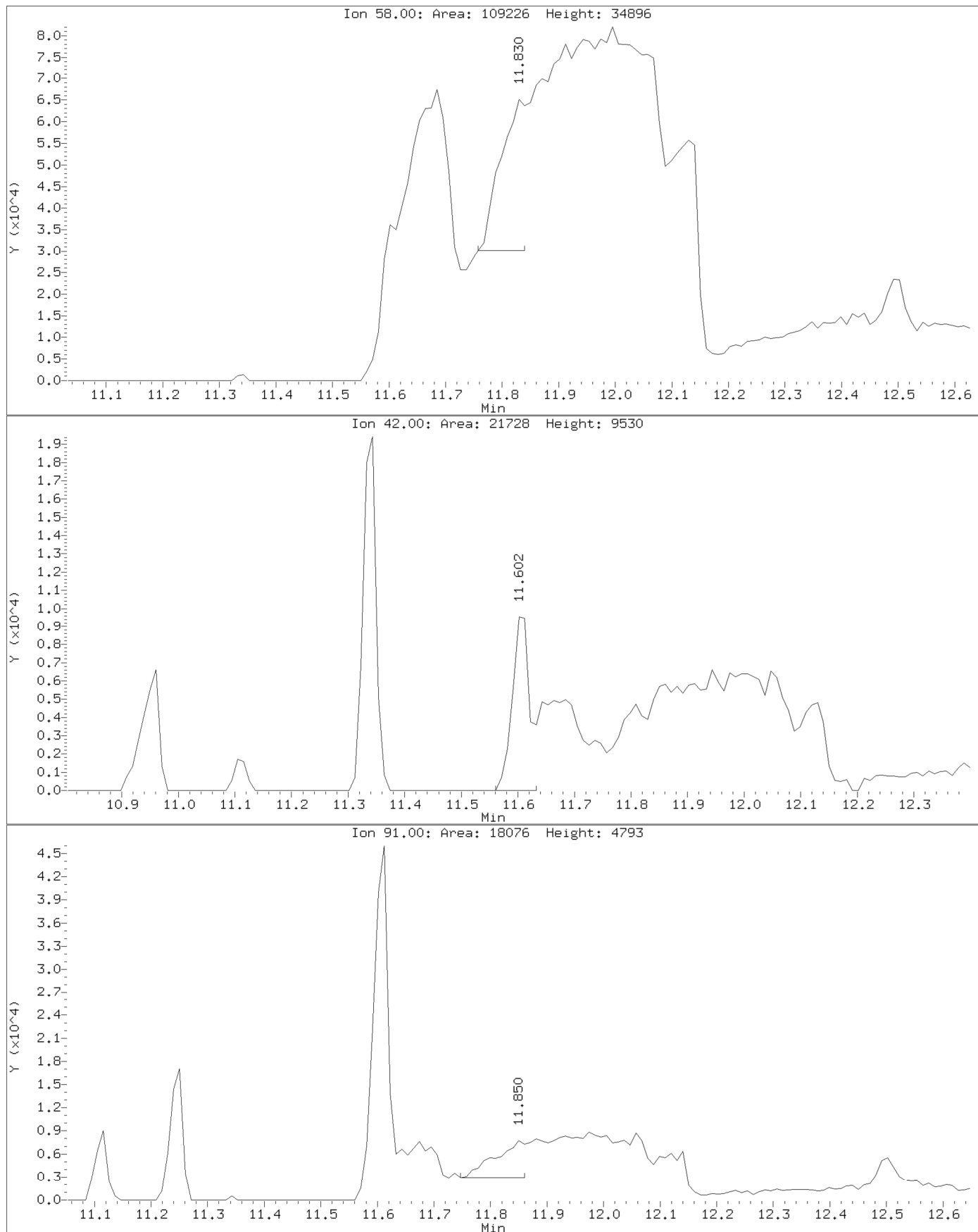
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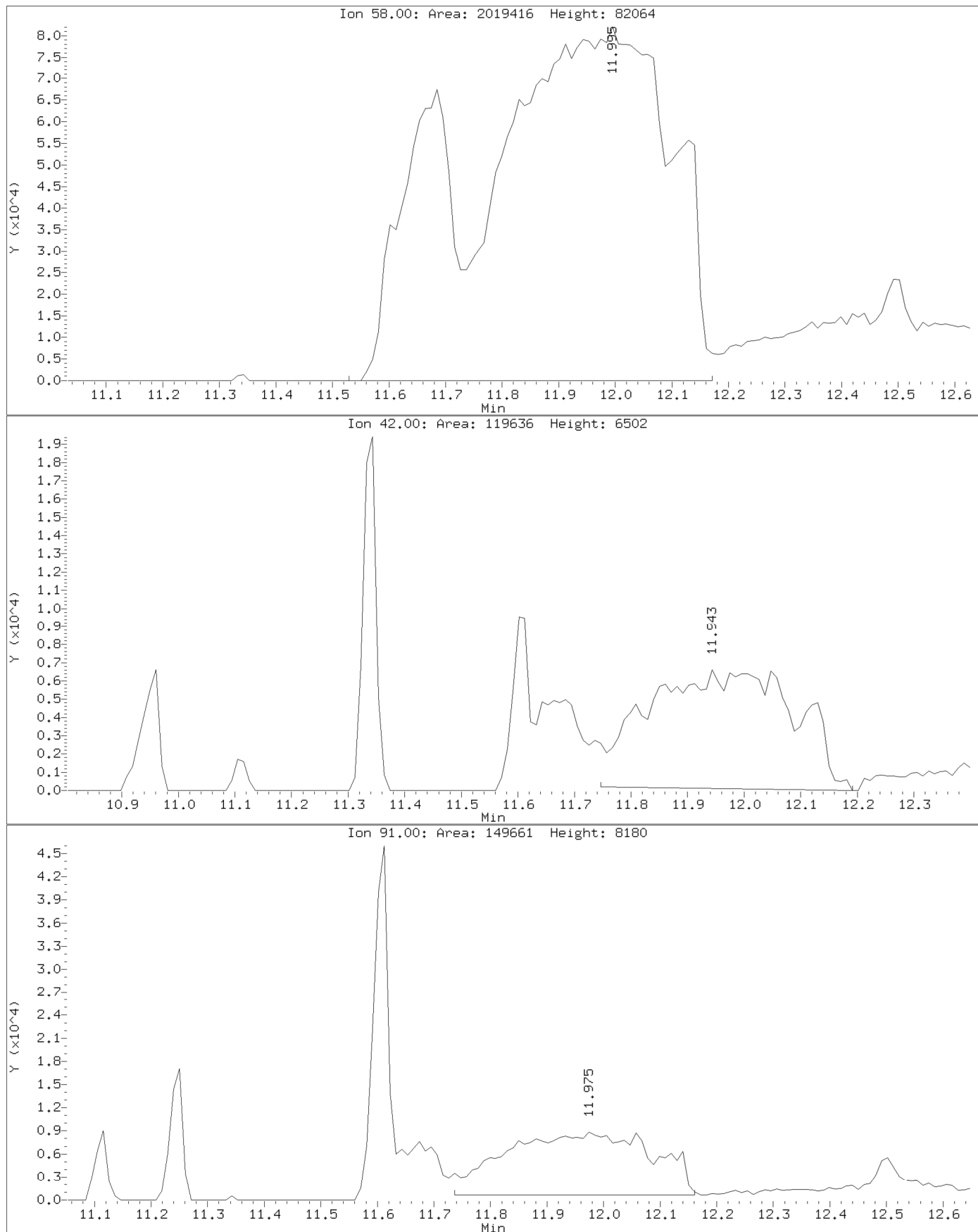
Compound: A,A-Dimethylphenethylamine
CAS Number: 122-09-8



Data File: \\target_server\gg\chem\gcms-u.i\U070314.b\U6271.D
Injection Date: 03-JUL-2014 13:30
Instrument: gcms-u.i
Client Sample ID:

Compound: A,A-Dimethylphenethylamine
CAS Number: 122-09-8

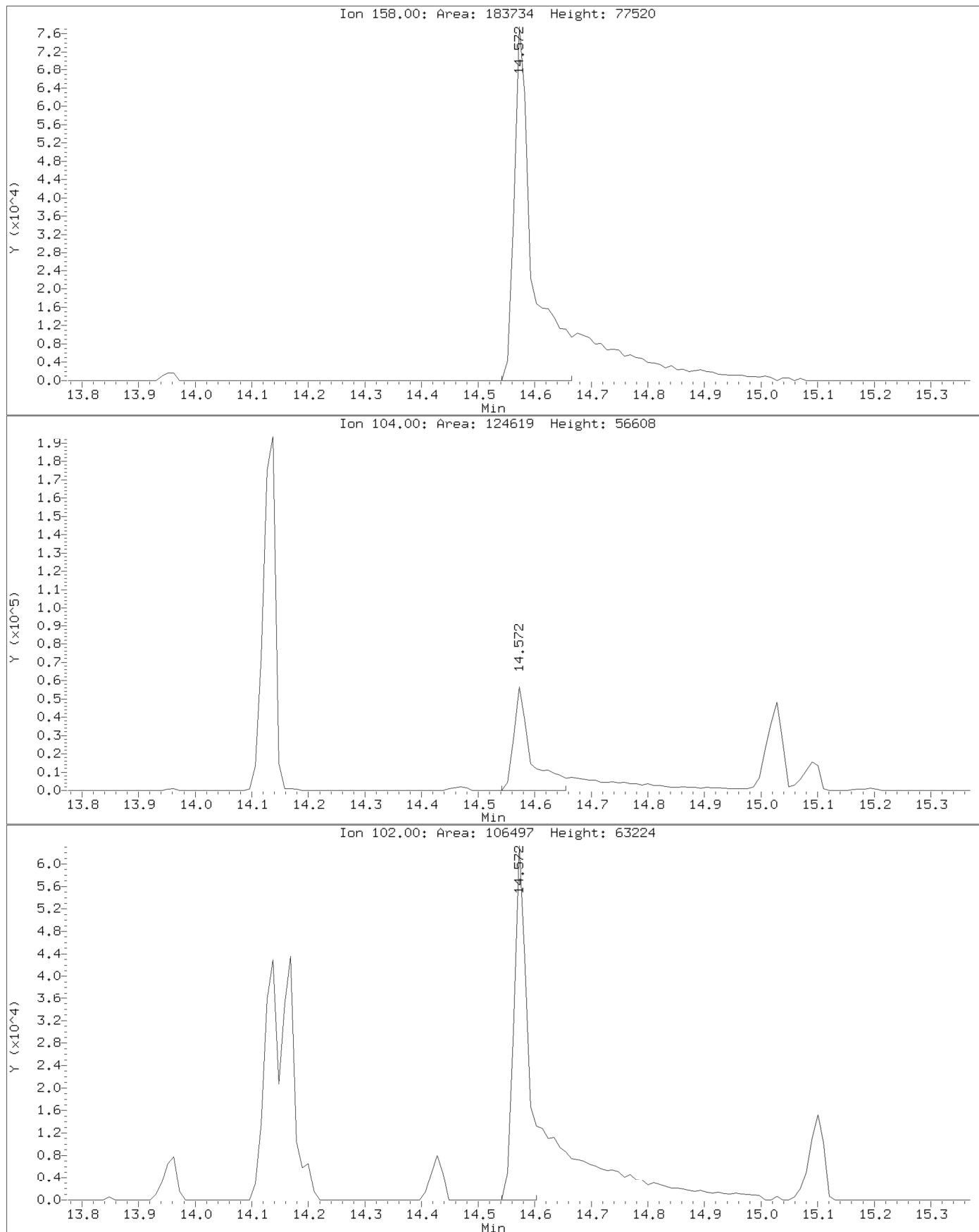
AFTER MANUAL INTEGRATION



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Instrument: gcms-u.i
Client Sample ID:

BEFORE MANUAL INTEGRATION

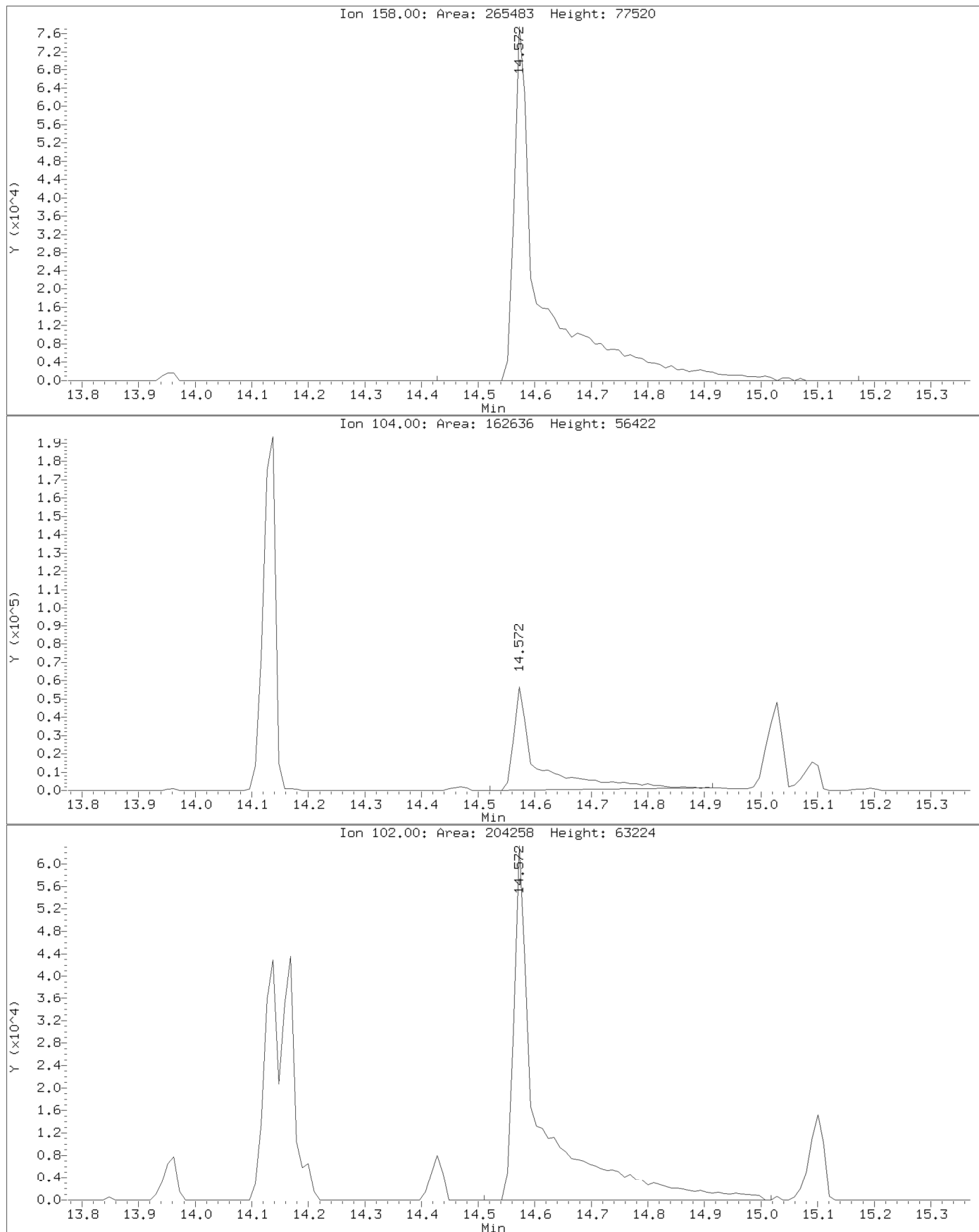
Compound: 1,4-Naphthoquinone
CAS Number: 130-15-4



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Instrument: gcms-u.i
Client Sample ID:

Compound: 1,4-Naphthoquinone
CAS Number: 130-15-4

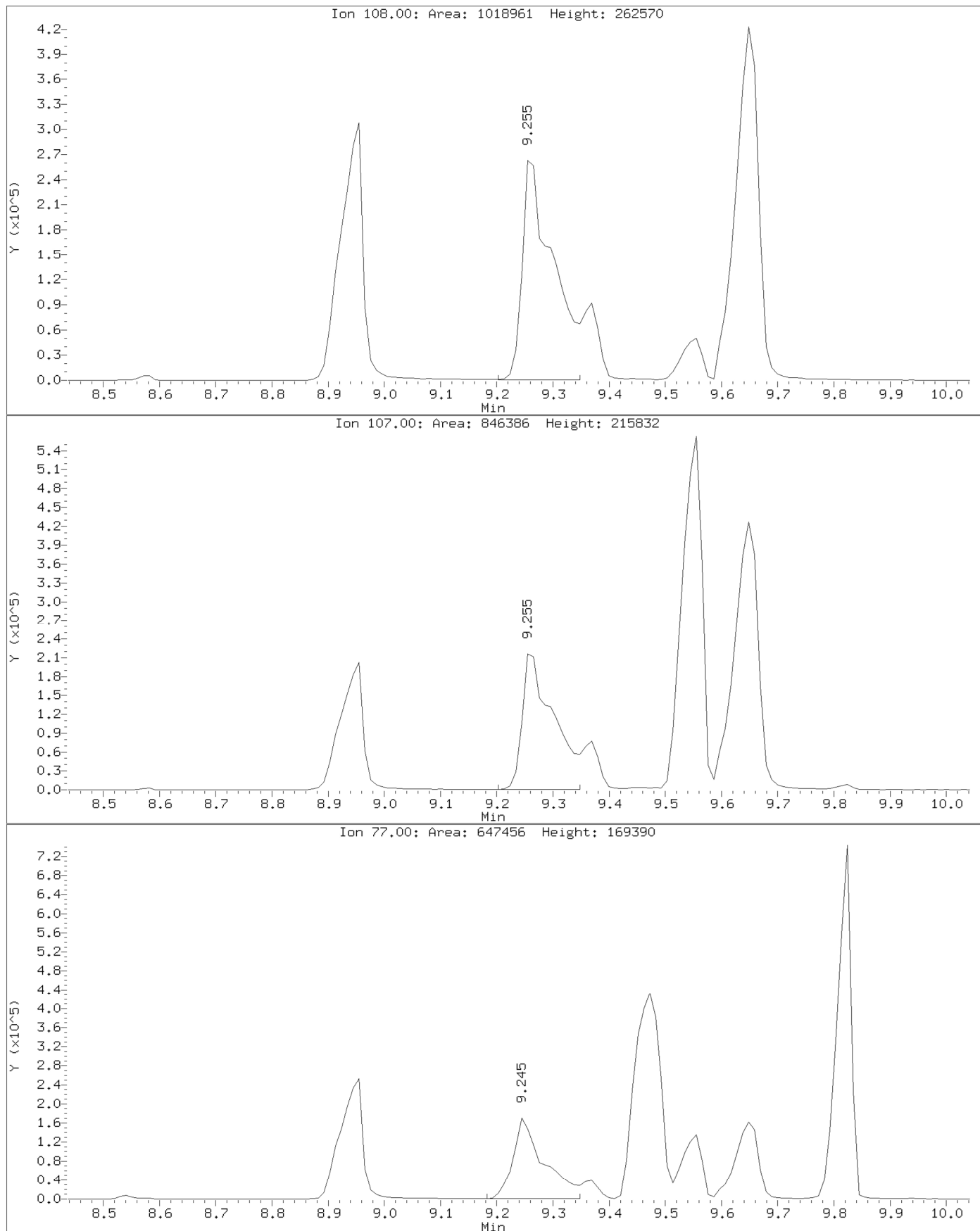
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BEFORE MANUAL INTEGRATION

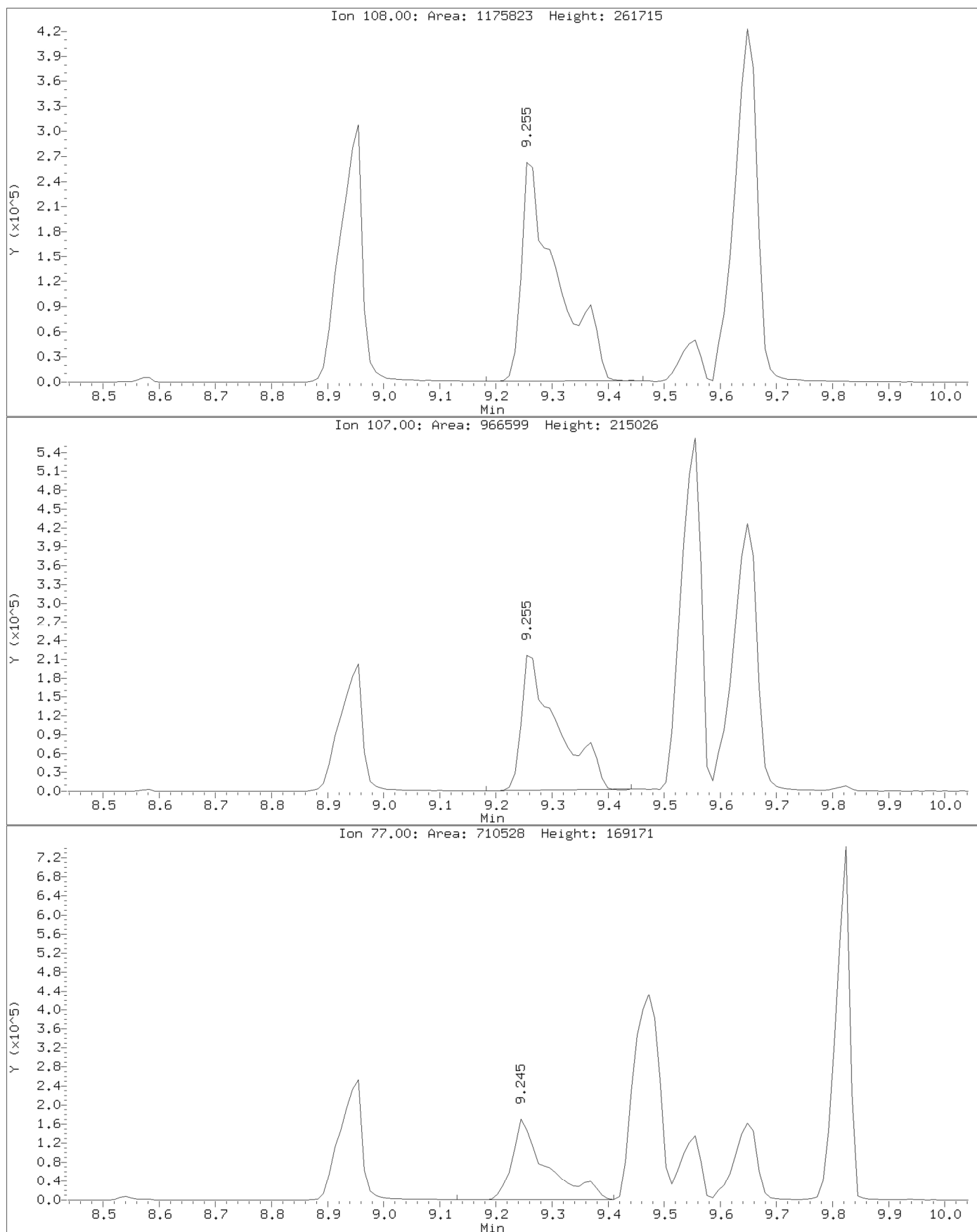
Compound: 2-Methylphenol
CAS Number: 95-48-7



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AFTER MANUAL INTEGRATION

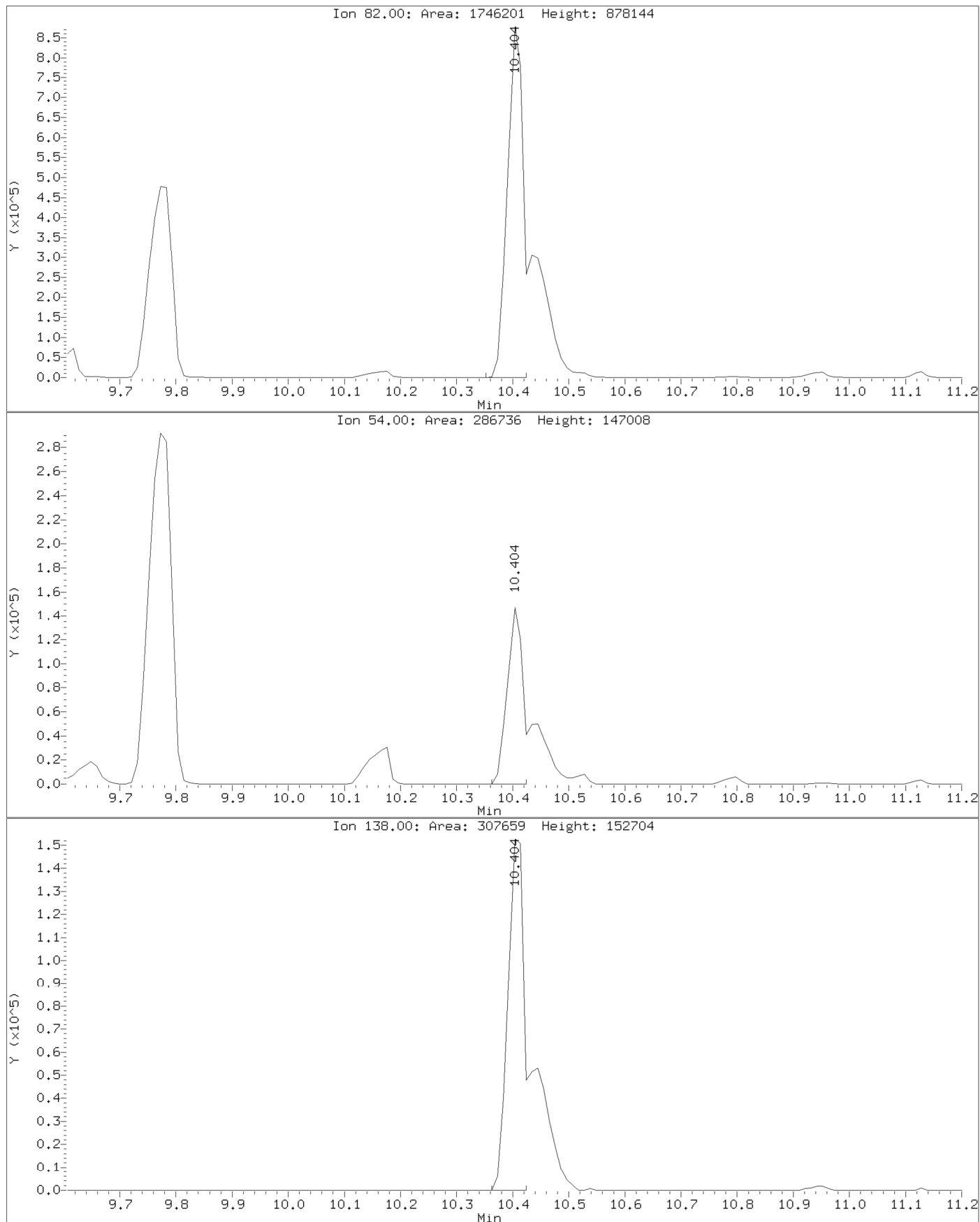
Compound: 2-Methylphenol
CAS Number: 95-48-7



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BEFORE MANUAL INTEGRATION

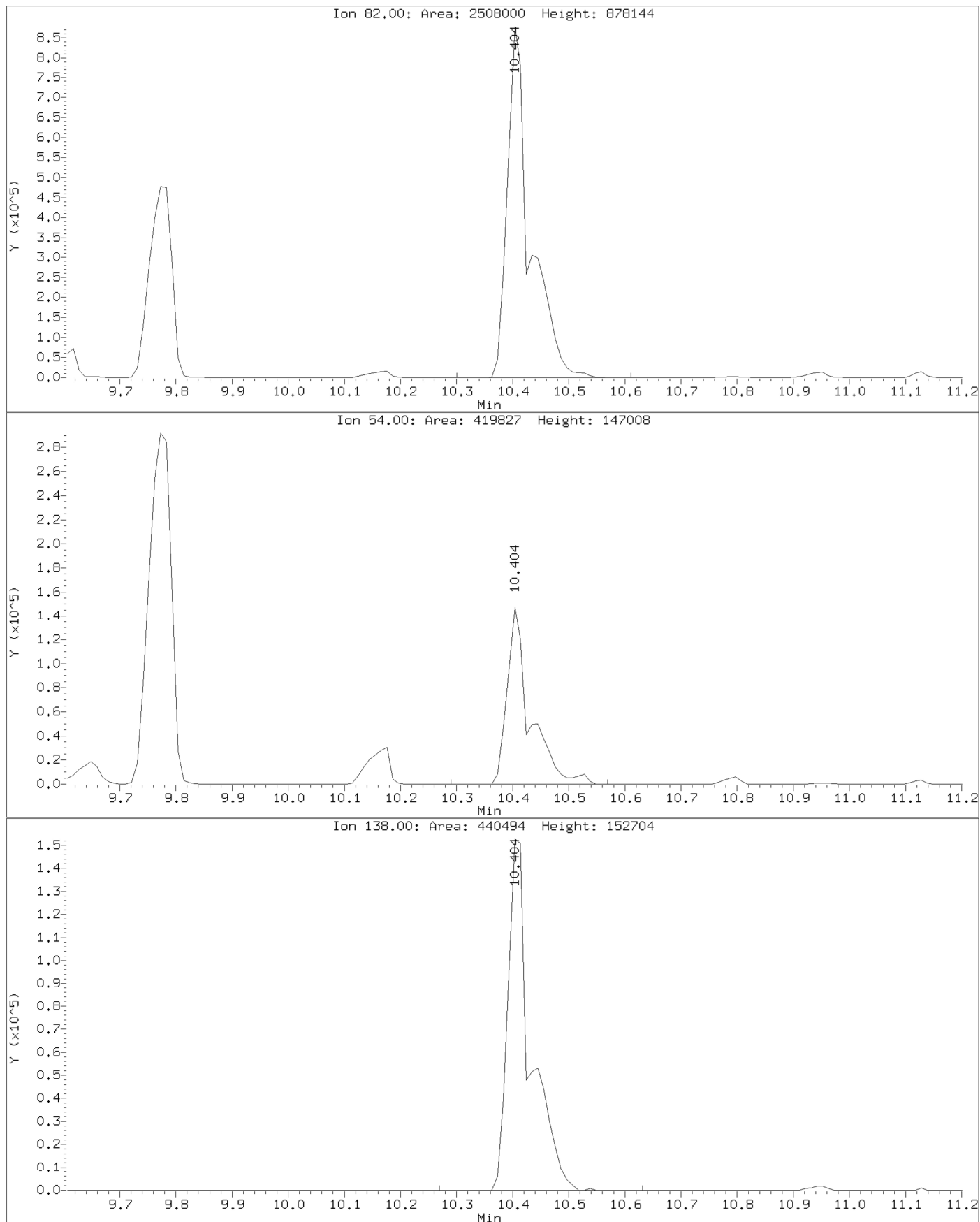
Compound: Isophorone
CAS Number: 78-59-1



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Compound: Isophorone
CAS Number: 78-59-1

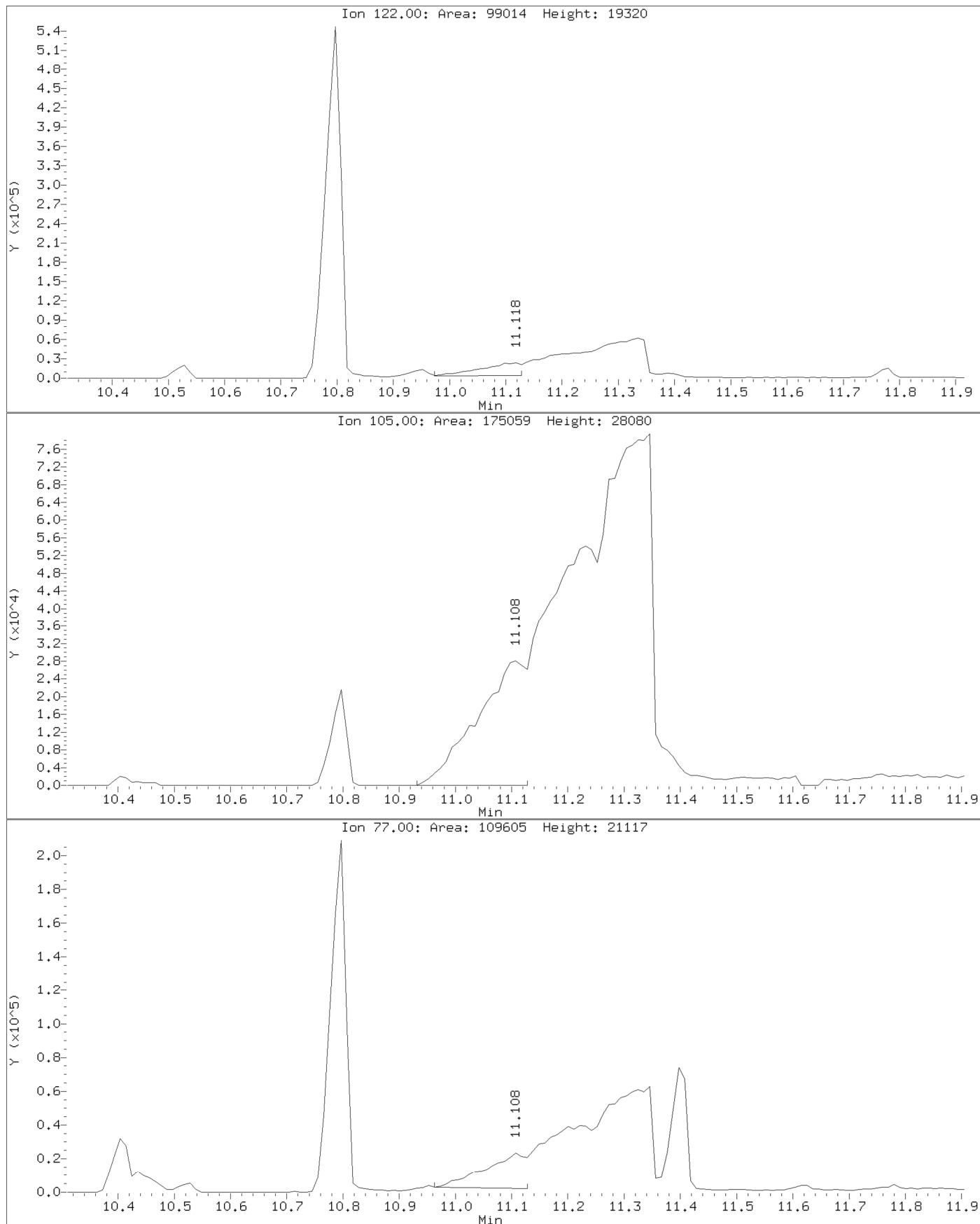
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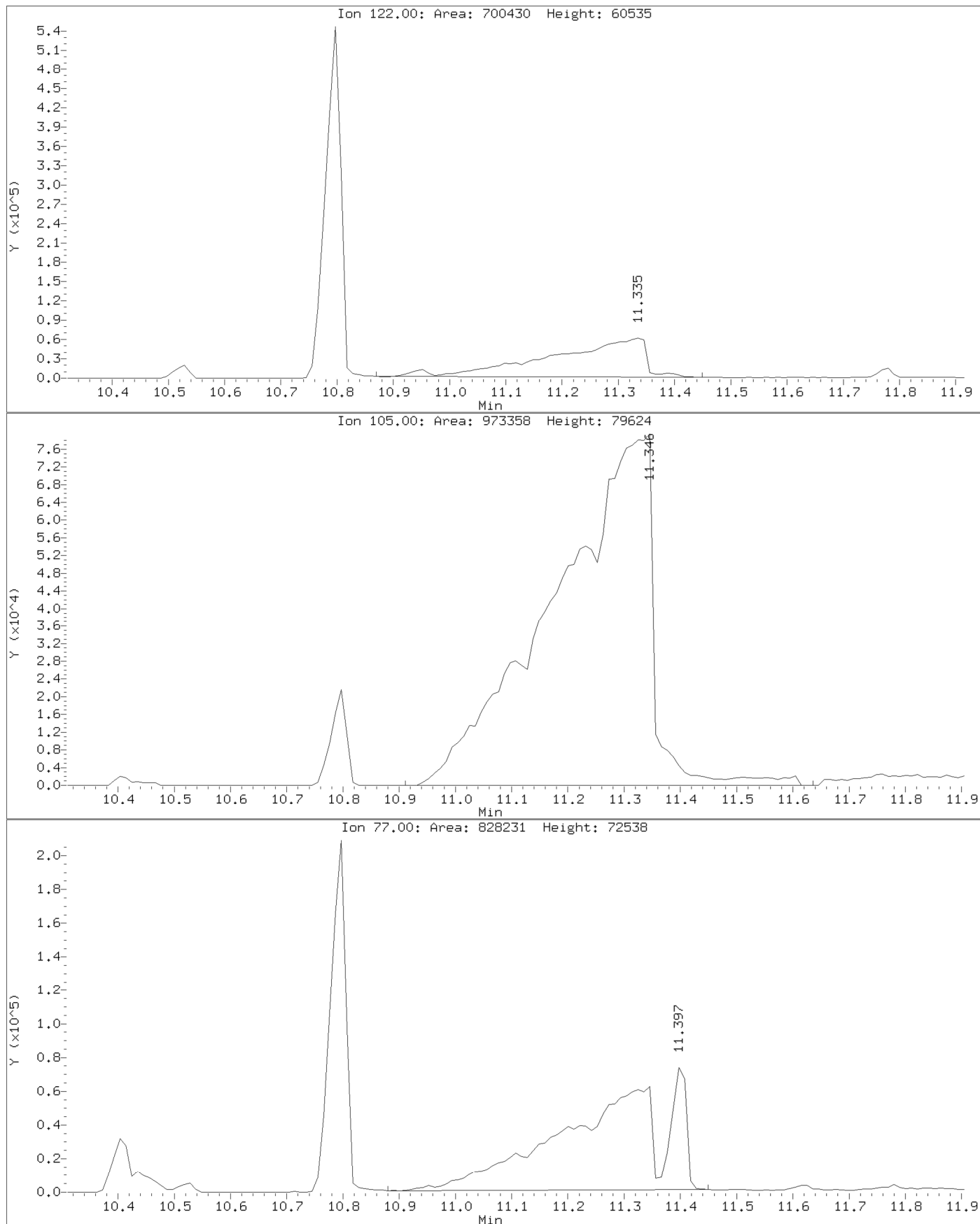
Compound: Benzoic acid
CAS Number: 65-85-0



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Client Sample ID:

Compound: Benzoic acid
CAS Number: 65-85-0

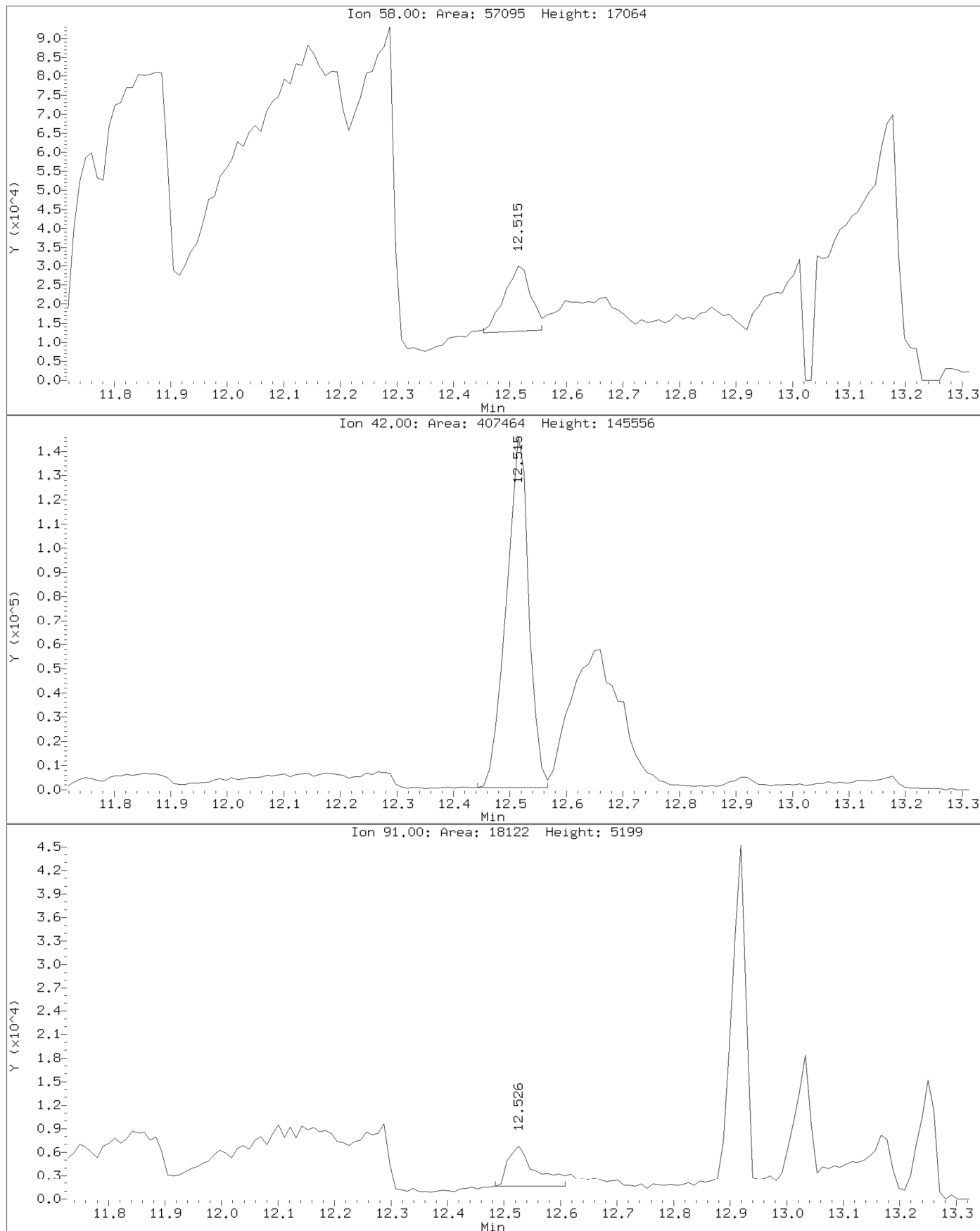
AFTER MANUAL INTEGRATION



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BEFORE MANUAL INTEGRATION

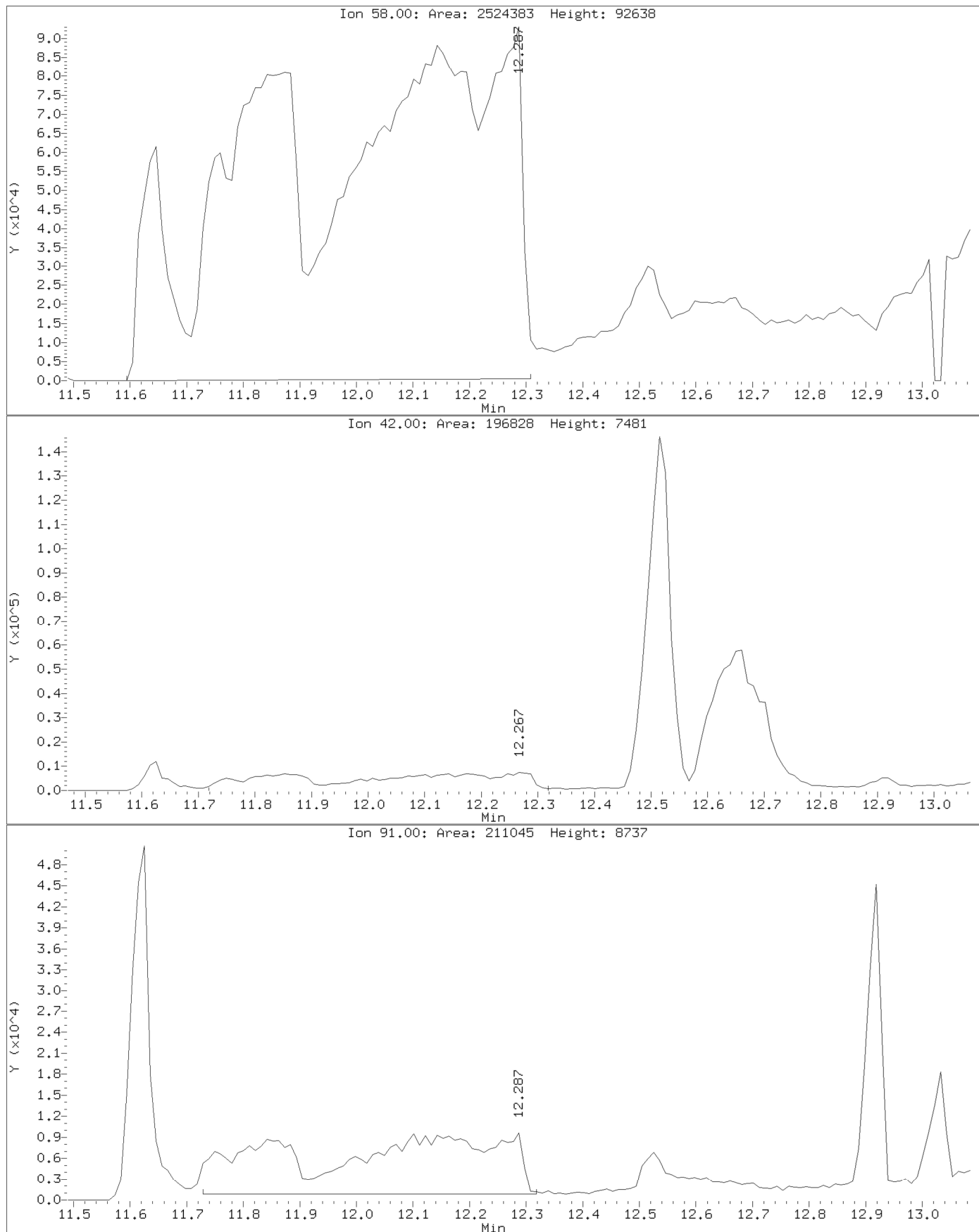
Compound: A,A-Dimethylphenethylamine
CAS Number: 122-09-8



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Client Sample ID:

AFTER MANUAL INTEGRATION

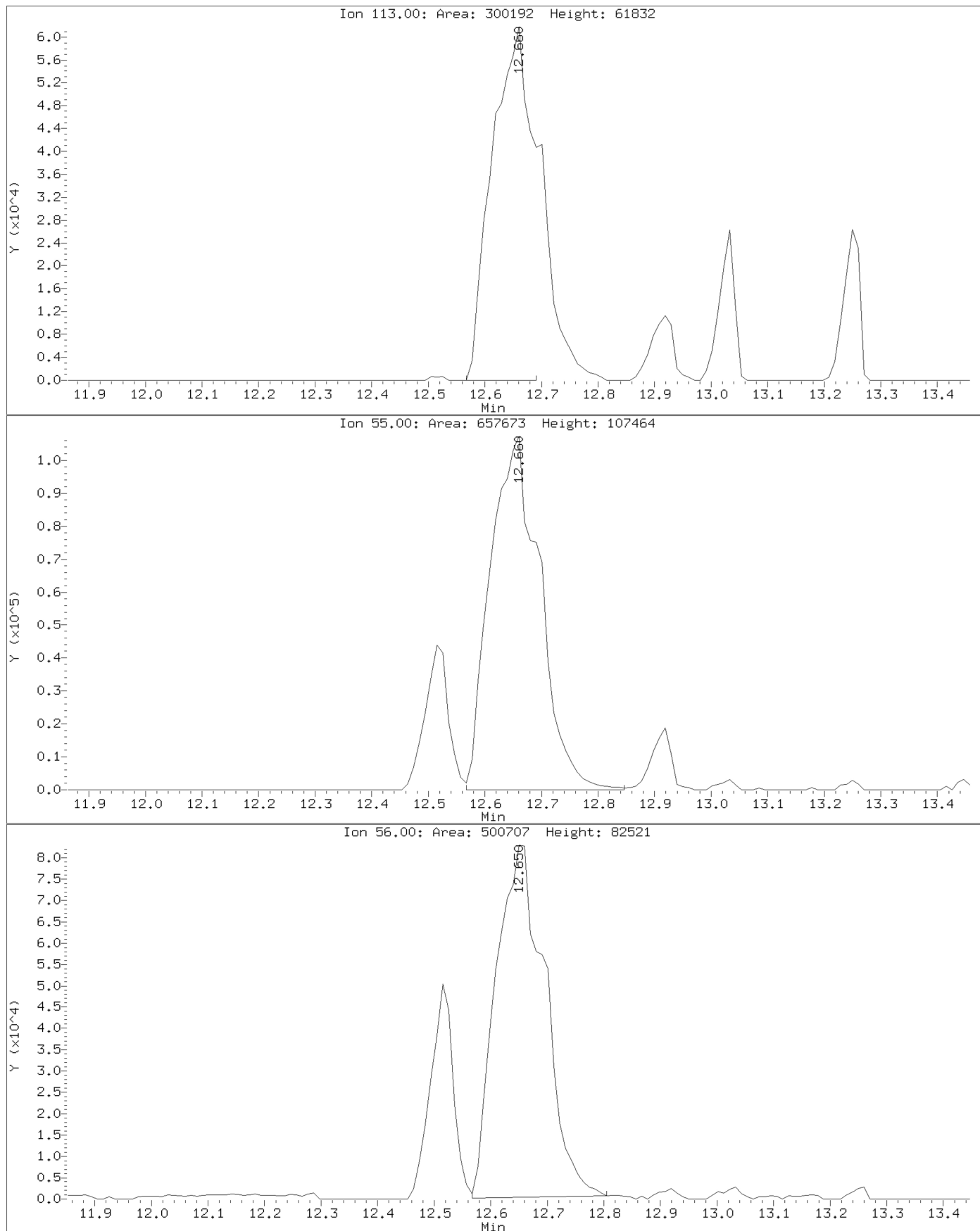
Compound: A.A-Dimethylphenethylamine
CAS Number: 122-09-8



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Instrument: gcms-u.i
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BEFORE MANUAL INTEGRATION

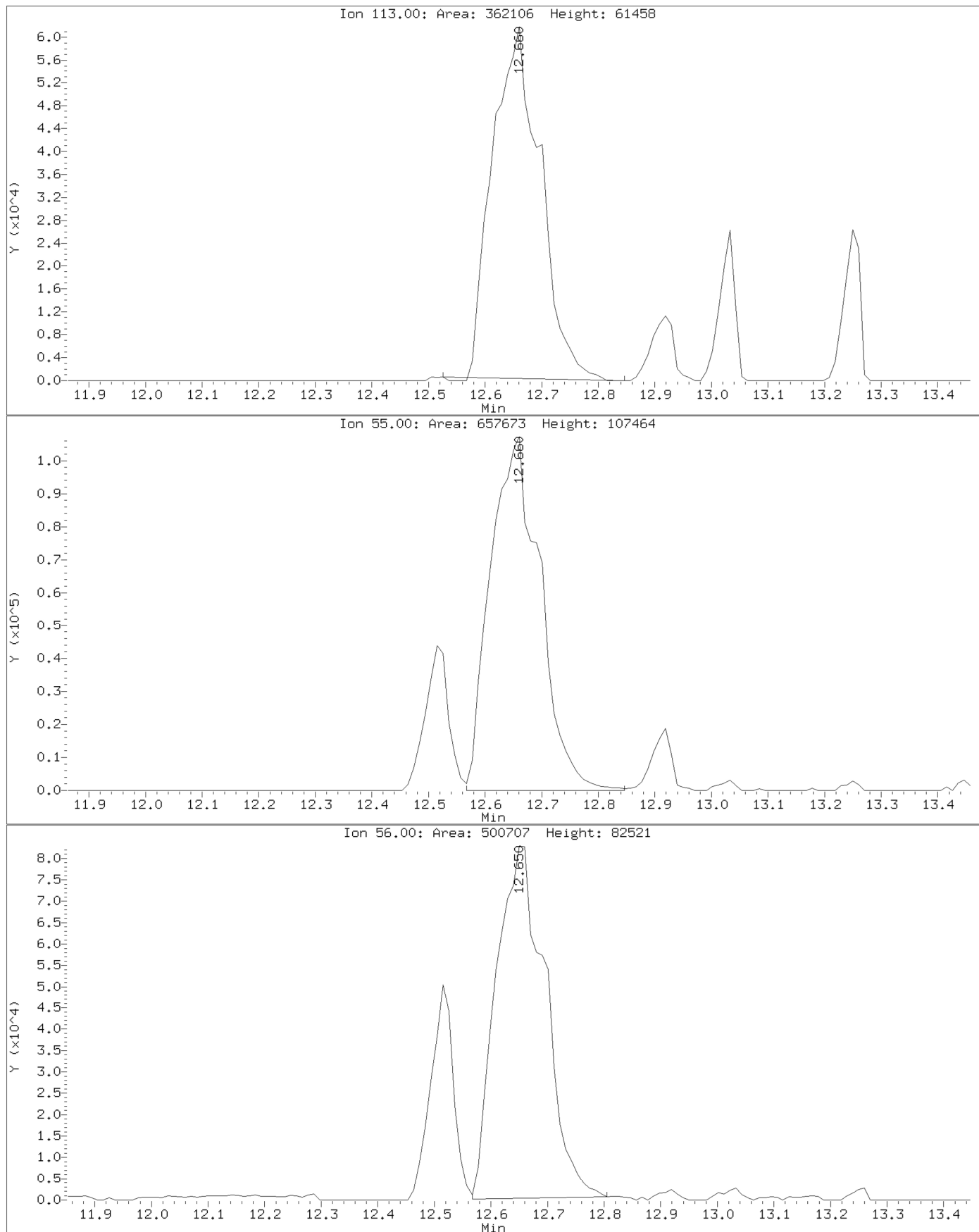
Compound: Caprolactam
CAS Number: 105-60-2



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Instrument: gcms-u.i
Client Sample ID:

AFTER MANUAL INTEGRATION

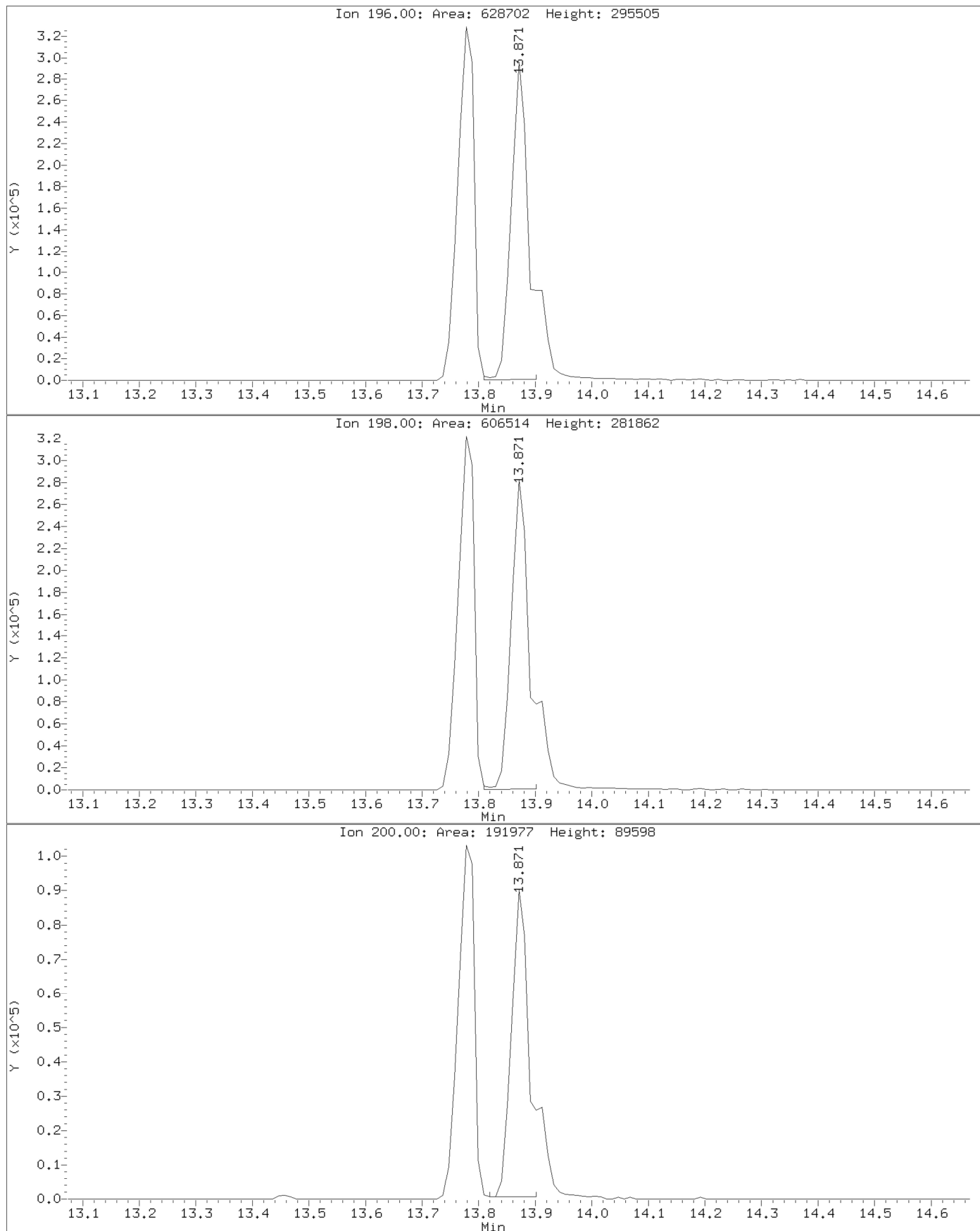
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CAS Number: 105-60-2



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Injection Date: 03-JUL-2014 14:15
Instrument: gcms-u.i
Client Sample ID:

Compound: 2,4,5-Trichlorophenol
CAS Number: 95-95-4

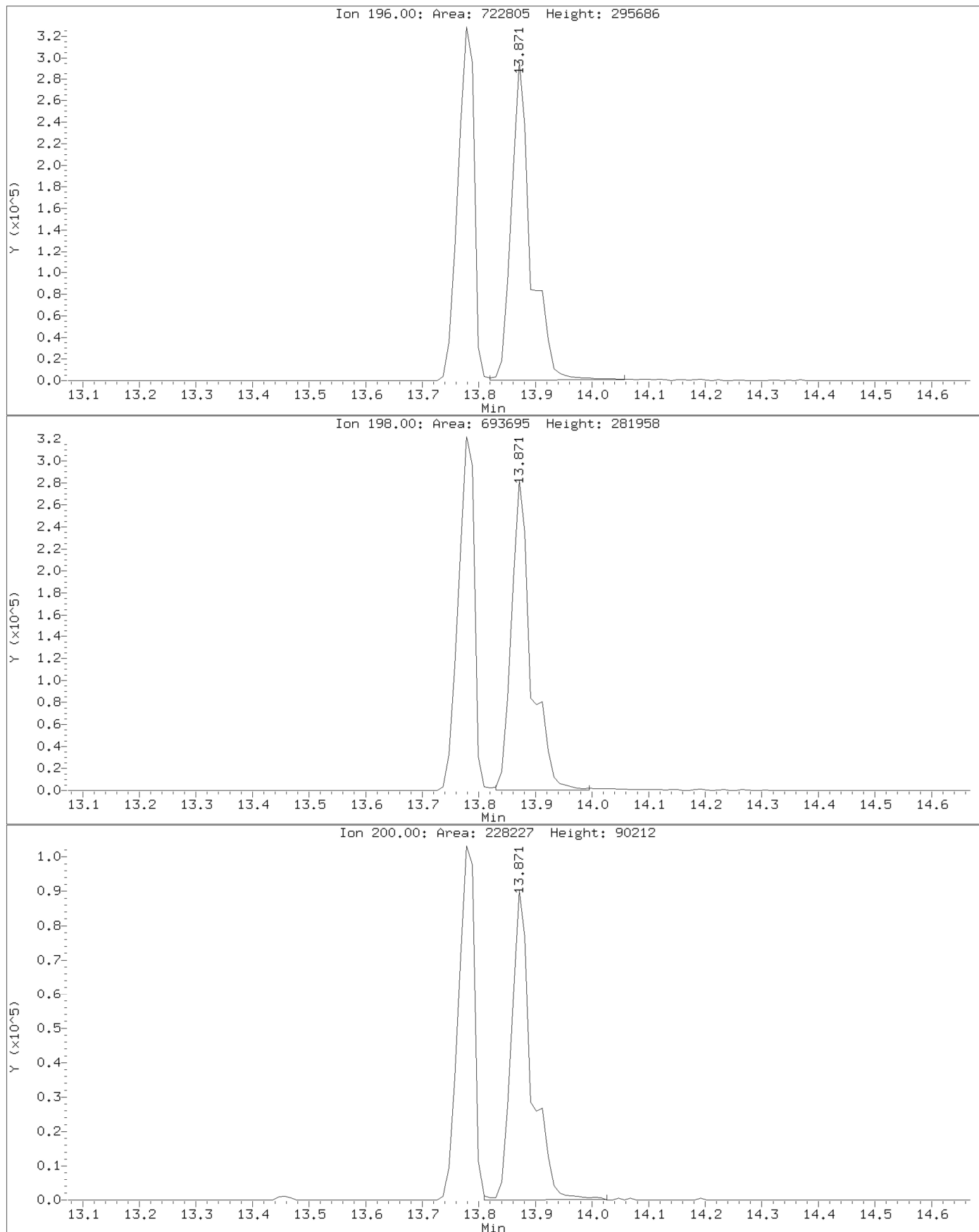
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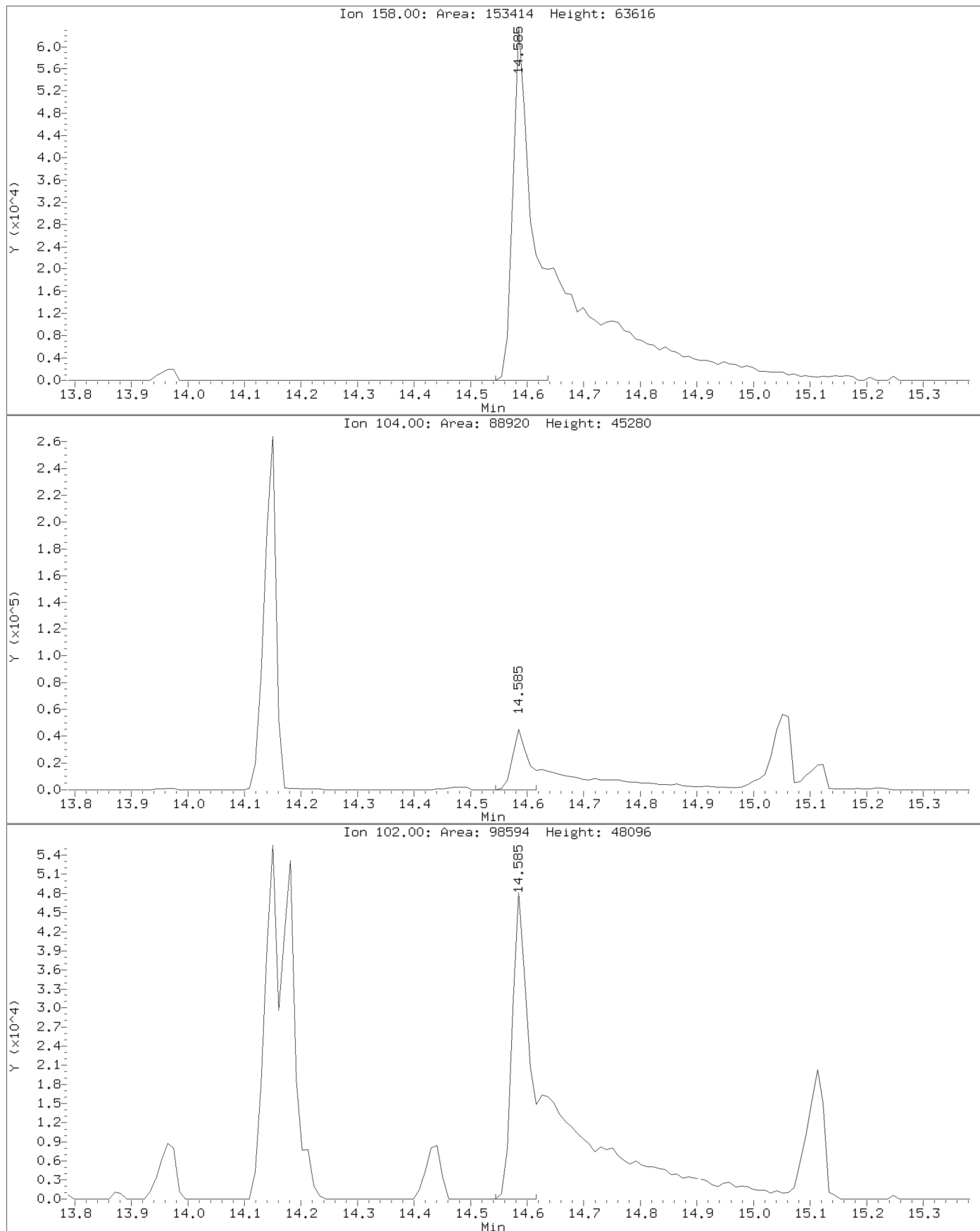
Compound: 2,4,5-Trichlorophenol
CAS Number: 95-95-4



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Injection Date: 03-JUL-2014 14:15
Instrument: gcms-u.i
Client Sample ID:

Compound: 1,4-Naphthoquinone
CAS Number: 130-15-4

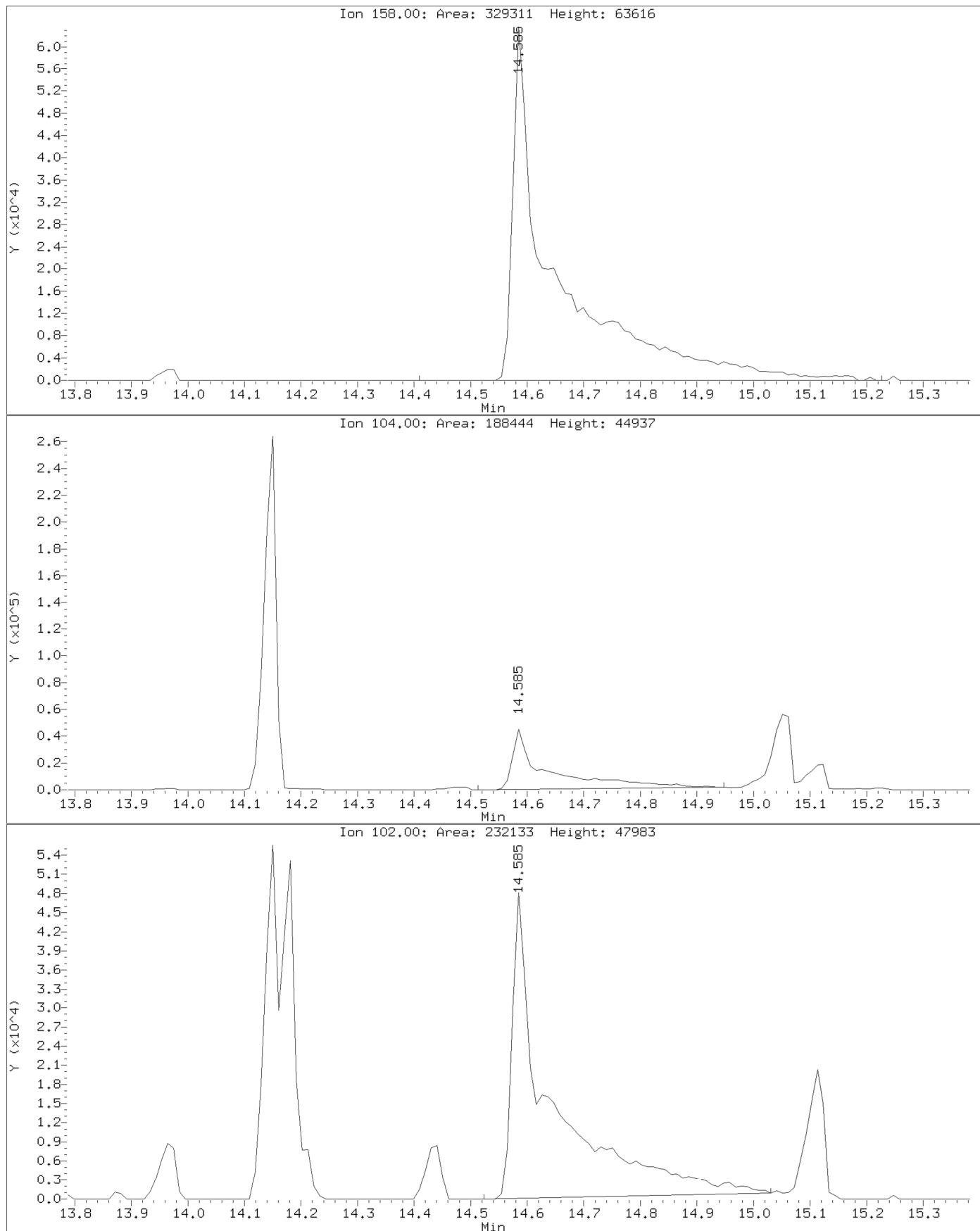
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Client Sample ID:

Compound: 1,4-Naphthoquinone
CAS Number: 130-15-4

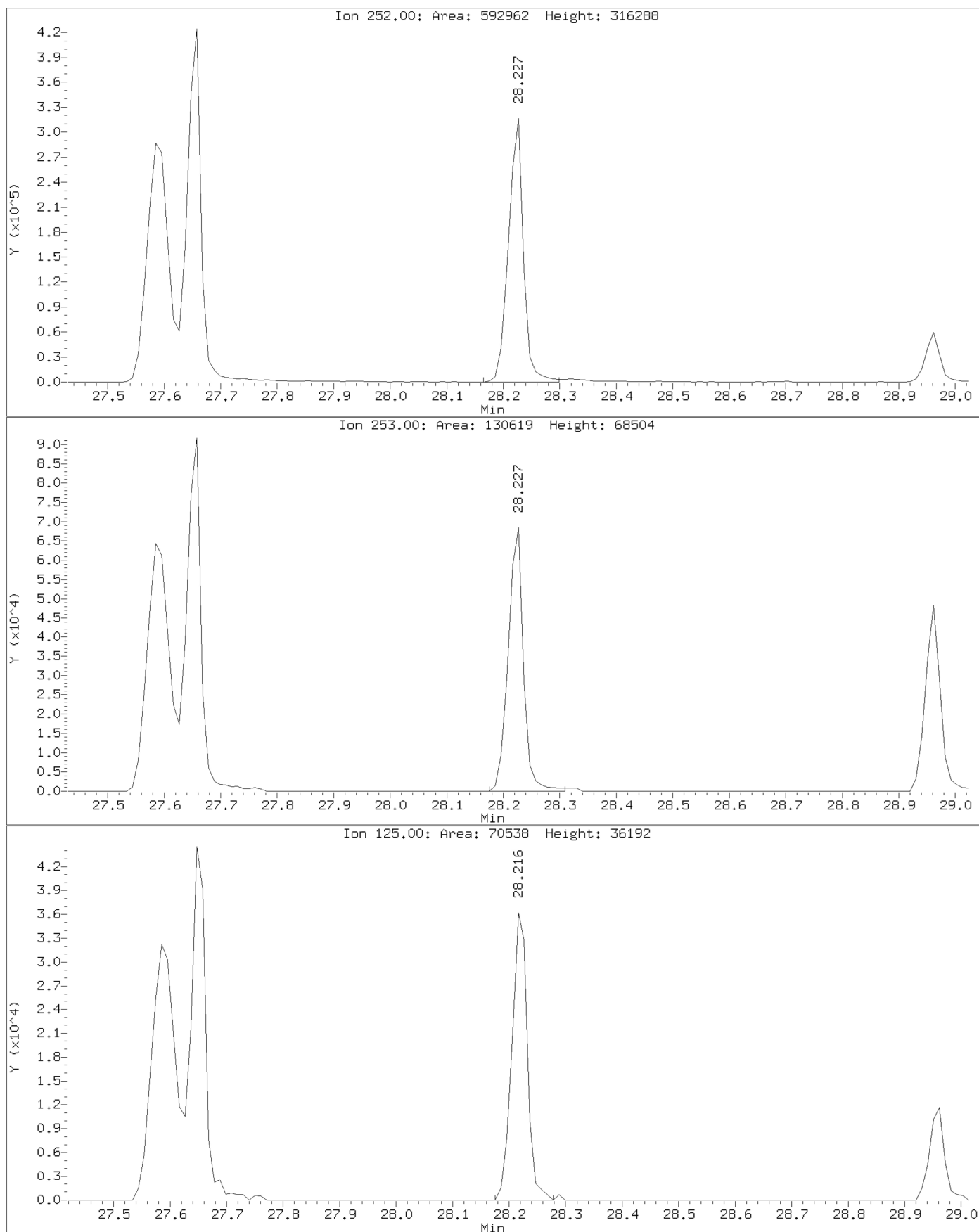
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Injection Date: 03-JUL-2014 14:15
Instrument: gcms-u.i
Client Sample ID:

Compound: Benzo(k)fluoranthene
CAS Number: 207-08-9

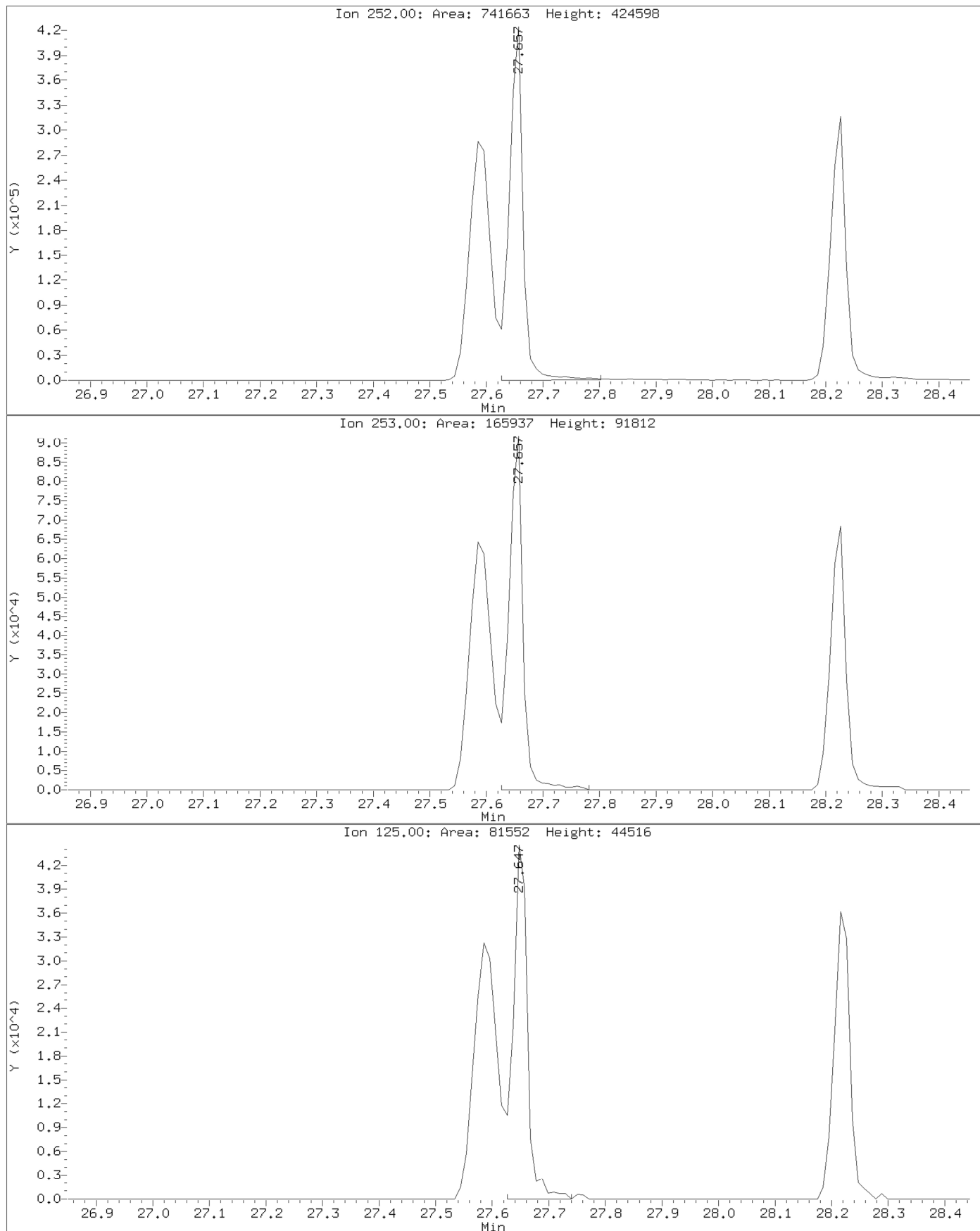
BEFORE MANUAL INTEGRATION



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Instrument: gcms-u.i
Client Sample ID:

Compound: Benzo(k)fluoranthene
CAS Number: 207-08-9

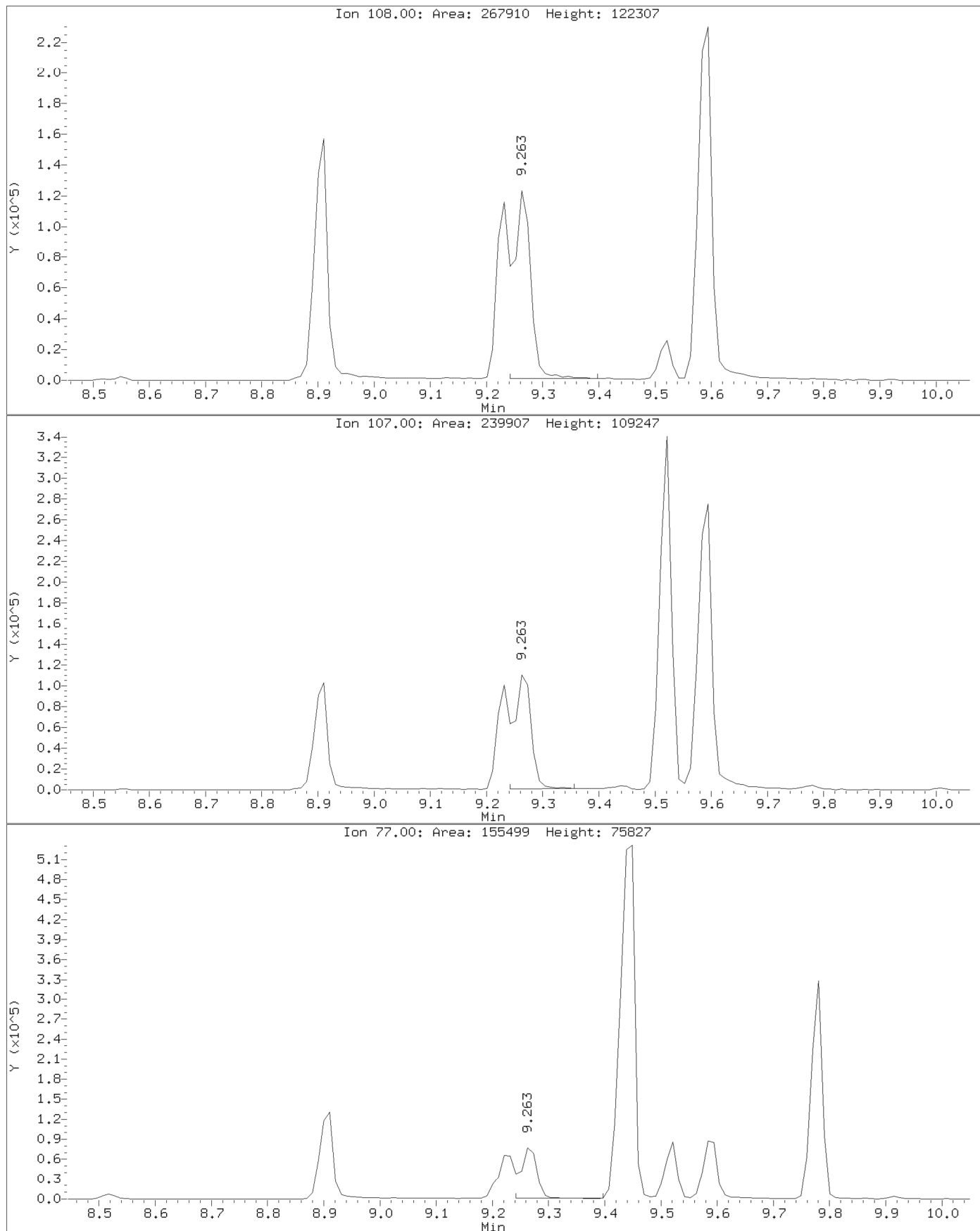
AFTER MANUAL INTEGRATION



Data File: \\target_server\gg\chem\gcms-u.i\U070314.b\U6273.D
Injection Date: 03-JUL-2014 14:59
Instrument: gcms-u.i
Client Sample ID:

Compound: 2-Methylphenol
CAS Number: 95-48-7

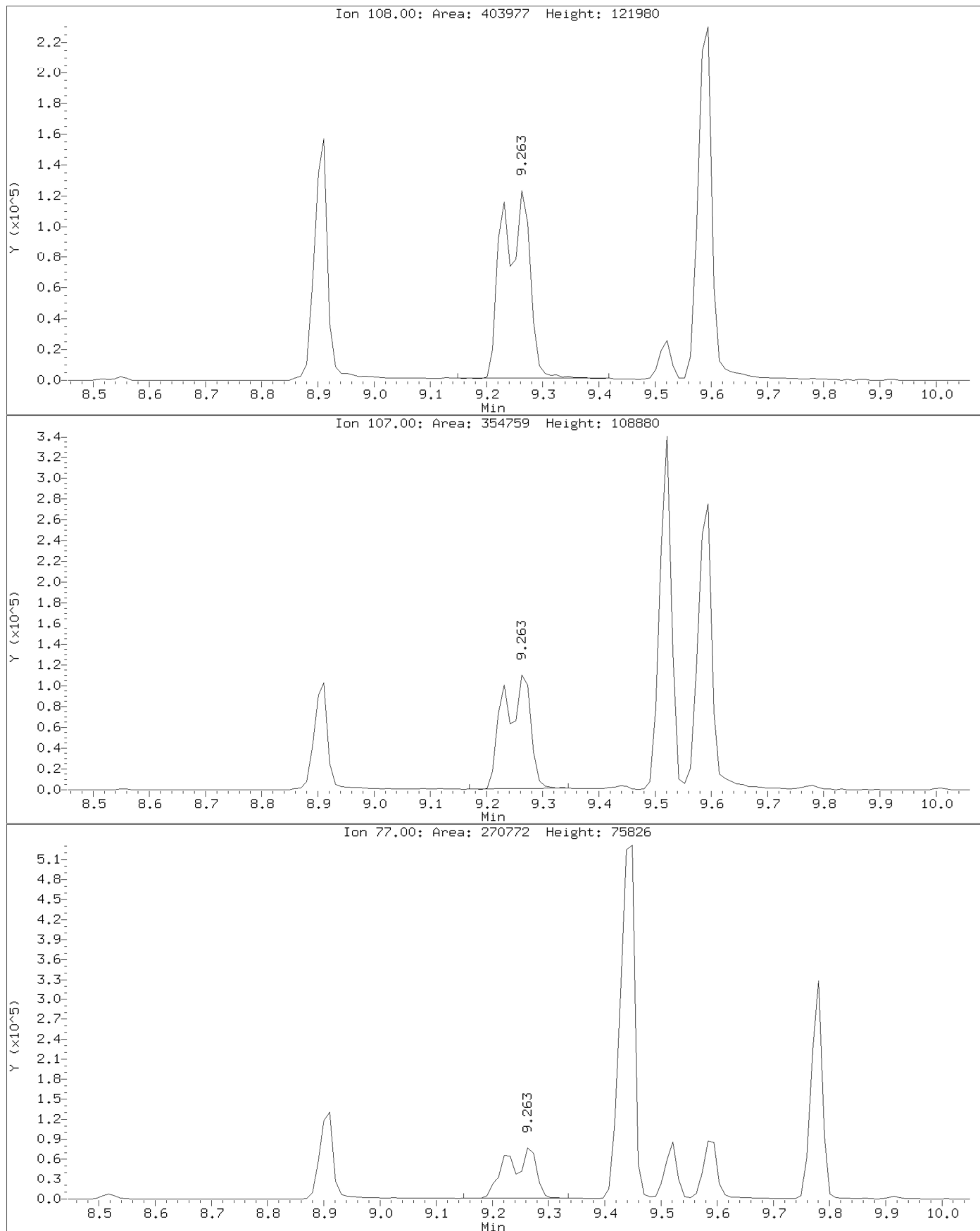
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AFTER MANUAL INTEGRATION

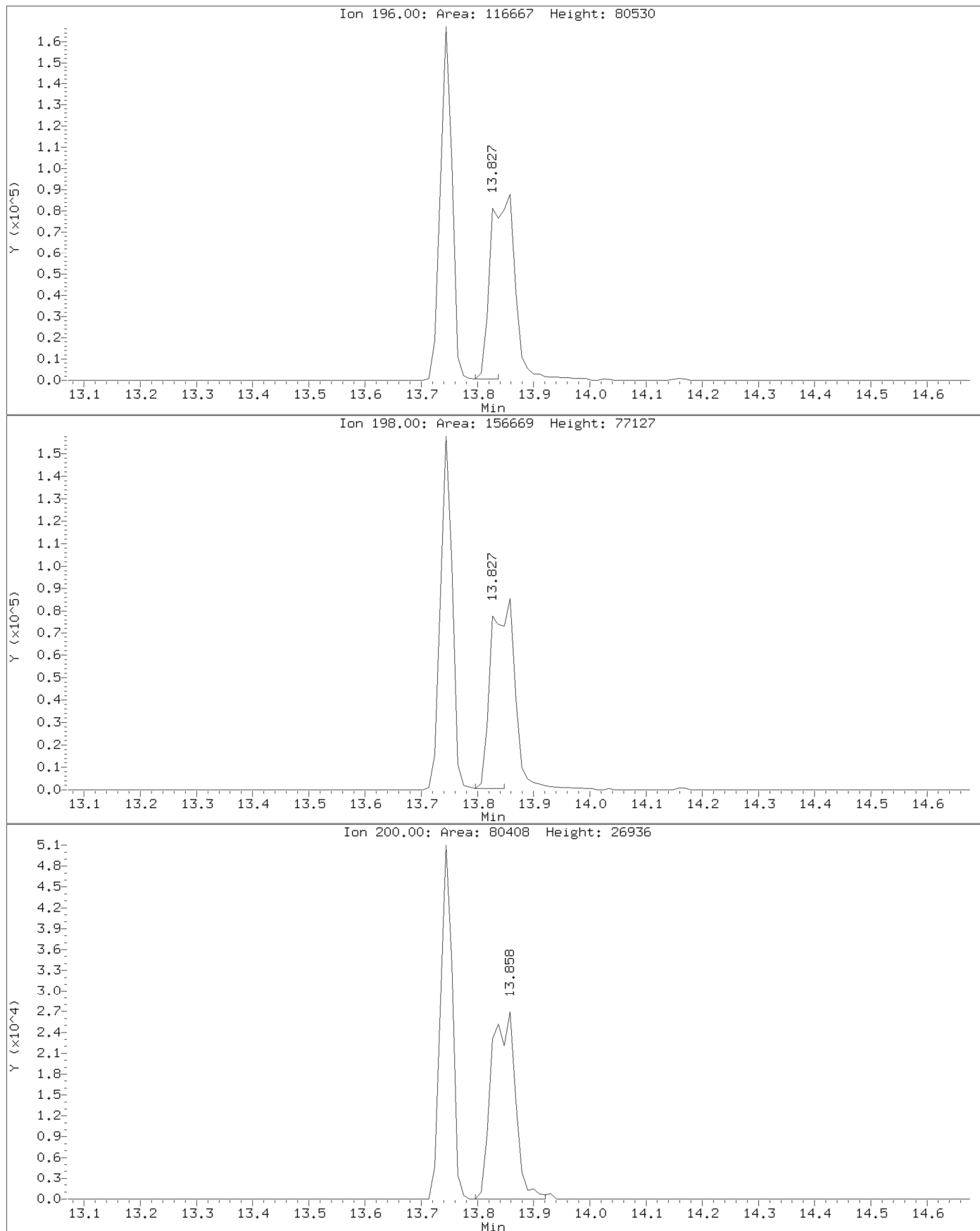
Compound: 2-Methylphenol
CAS Number: 95-48-7



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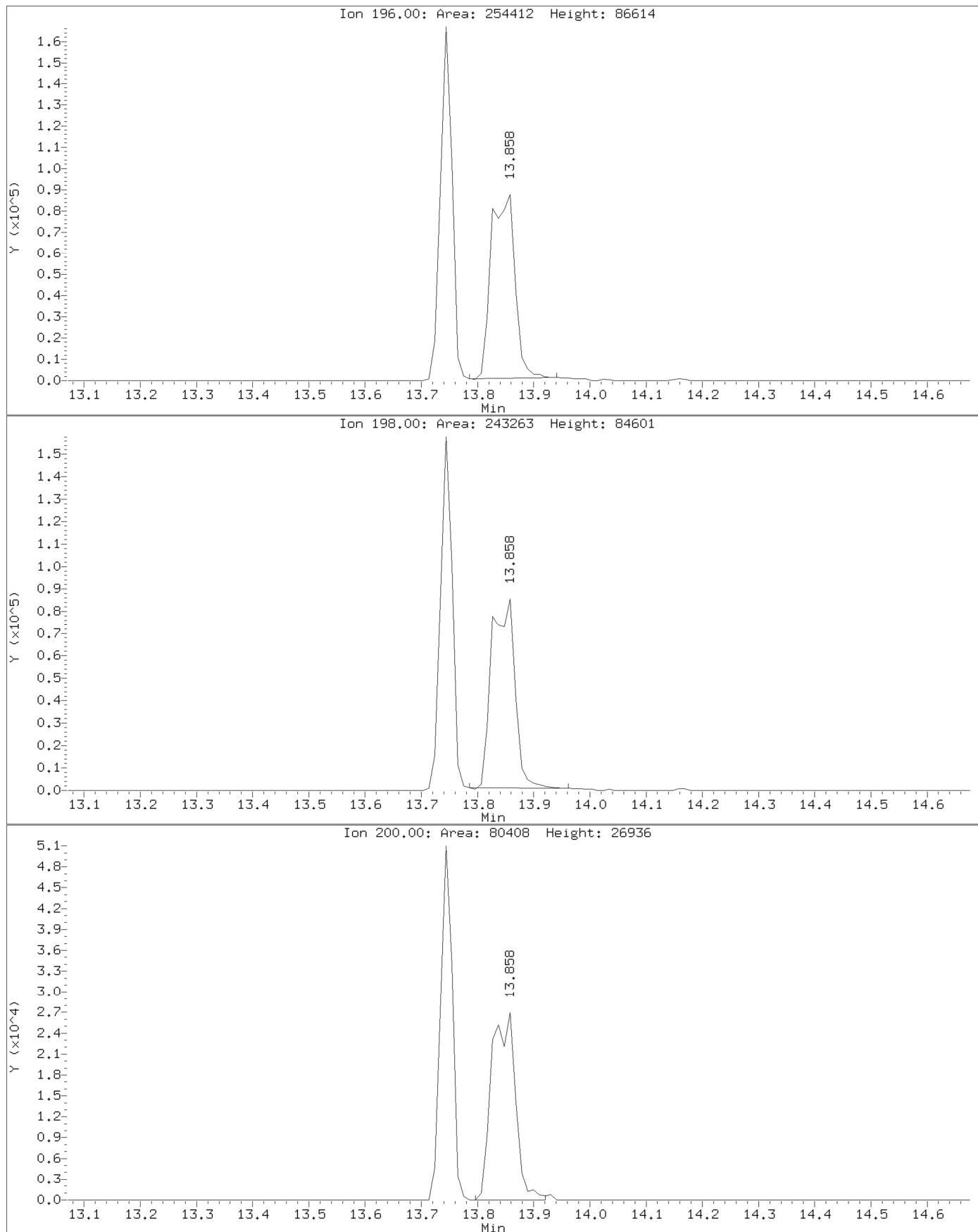
Compound: 2,4,5-Trichlorophenol
CAS Number: 95-95-4



Data File: \\target_server\gg\chem\gcms-u.i\U070314.b\U6273.D
Injection Date: 03-JUL-2014 14:59
Instrument: gcms-u.i
Client Sample ID:

AFTER MANUAL INTEGRATION

Compound: 2,4,5-Trichlorophenol
CAS Number: 95-95-4



Data File: \\target_server\gg\chem\gcms-u.i\U070314.b\U6273.D
Report Date: 03-Jul-2014 15:44

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-u.i\U070314.b\U6273.D
Lab Smp Id: WG145897-8
Inj Date : 03-JUL-2014 14:59 MS Autotune Date: 26-OCT-2013 10:51
Operator : JCG Inst ID: gcms-u.i
Smp Info : WG145897-8
Misc Info : WG145897, WG145897, WG145897-4
Comment :
Method : \\target_server\gg\chem\gcms-u.i\U070314.b\U8270C60.m
Meth Date : 03-Jul-2014 15:18 gcms-u.i Quant Type: ISTD
Cal Date : 03-JUL-2014 14:15 Cal File: U6272.D
Als bottle: 8 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all_DOD.sub
Target Version: 4.12
Processing Host: V200T4

Concentration Formula: Amt * DF * Uf*(Vt/Vo*Vi)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS		REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/L)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
1 1,4-Dioxane	58	3.052	3.106	(0.269)	144050	51.8769	51.9		
3 Pyridine	79	3.549	3.603	(0.417)	504997	53.2306	53.2		
2 N-Nitrosodimethylamine	42	3.508	3.593	(0.412)	260664	51.4789	51.5		
5 2-Picoline	93	4.791	4.825	(0.563)	512665	58.7264	58.7		
6 N-Nitrosomethylethylamine	88	5.029	5.073	(0.590)	208097	54.3697	54.4		
7 Methyl Methanesulfonate	80	5.609	5.663	(0.659)	260714	45.8613	45.9		
9 N-Nitrosodiethylamine	102	6.364	6.408	(0.747)	220133	52.2823	52.3		
10 Ethyl Methanesulfonate	79	7.016	7.071	(0.824)	353793	54.0587	54.0		
11 Benzaldehyde	77	7.596	7.619	(0.892)	41636	9.51331	9.51 (aR)		
12 Aniline	93	7.855	7.888	(0.922)	652235	51.9249	51.9		
16 Bis(2-Chloroethyl)ether	93	8.041	8.074	(0.944)	387126	49.5012	49.5		
15 Phenol	94	7.948	7.992	(0.933)	513897	51.1236	51.1		
17 2-Chlorophenol	128	8.103	8.137	(0.951)	422701	51.0542	51.0		
18 1,3-Dichlorobenzene	146	8.393	8.416	(0.985)	460941	49.8184	49.8		
* 19 1,4-Dichlorobenzene-D4	152	8.517	8.540	(1.000)	263975	40.0000			
20 1,4-Dichlorobenzene	146	8.548	8.582	(1.004)	469961	50.2698	50.3		
21 1,2-Dichlorobenzene	146	8.869	8.892	(1.041)	441159	49.3532	49.4		
22 Benzyl alcohol	108	8.910	8.954	(1.046)	272920	49.8017	49.8		
24 Bis(2-Chloroisopropyl)ether	45	9.221	9.244	(1.083)	497223	36.6894	36.7		
25 2,2'-Oxybis(1-chloropropane)	45	9.221	9.244	(1.083)	497223	36.6894	36.7 (R)		

Data File: \\target_server\gg\chem\gcms-u.i\U070314.b\U6273.D
Report Date: 03-Jul-2014 15:44

Compounds	QUANT SIG				RESPONSE	CONCENTRATIONS		REVIEW CODE
	MASS	RT	EXP RT	REL RT		ON-COLUMN (ug/ml)	FINAL (ug/L)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
23 2-Methylphenol	108	9.262	9.254	(1.087)	403977	50.9522	51.0 (M)	M9
27 Acetophenone	105	9.449	9.472	(0.834)	1193719	103.309	103	
32 Hexachloroethane	117	9.593	9.617	(1.126)	195211	50.6888	50.7	
26 N-Nitrosopyrrolidine	100	9.417	9.523	(1.106)	218511	54.8306	54.8	
29 o-Toluidine	106	9.521	9.555	(1.118)	637248	52.1179	52.1	
28 N-Nitrosomorpholine	56	9.490	9.575	(1.114)	333450	54.5414	54.5	
30 N-Nitroso-di-n-propylamine	70	9.521	9.596	(1.118)	287143	46.4155	46.4	
31 3&4-Methylphenol	108	9.593	9.648	(1.126)	403436	49.8476	49.8	
34 Nitrobenzene	77	9.780	9.824	(0.863)	446086	50.3924	50.4	
35 N-Nitrosopiperidine	114	10.121	10.176	(0.893)	219236	51.6326	51.6	
36 Isophorone	82	10.359	10.403	(0.914)	848734	50.8385	50.8	
37 2-Nitrophenol	139	10.504	10.527	(0.927)	240551	51.6423	51.6	
38 2,4-Dimethylphenol	107	10.753	10.797	(0.949)	447133	50.6510	50.6	
40 Bis(2-Chloroethoxy)methane	93	10.939	10.973	(0.965)	627128	54.4246	54.4	
39 O,O,O-Triethylphosphorothioat	198	10.918	10.952	(0.963)	182839	54.7758	54.8	
41 2,4-Dichlorophenol	162	11.094	11.128	(0.979)	342622	53.7772	53.8	
43 1,2,4-Trichlorobenzene	180	11.239	11.252	(0.992)	363621	51.2184	51.2	
* 44 Naphthalene-D8	136	11.332	11.345	(1.000)	1064066	40.0000		
42 Benzoic acid	122	11.177	11.335	(0.986)	215467	51.3926	51.4	
45 Naphthalene	128	11.374	11.407	(1.004)	1110830	50.3467	50.3	
48 Hexachloropropene	213	11.622	11.635	(1.026)	255522	55.9113	55.9	
47 2,6-Dichlorophenol	162	11.601	11.614	(1.024)	312708	55.7013	55.7	
46 4-Chloroaniline	127	11.591	11.625	(1.023)	481038	53.2899	53.3	
50 Hexachlorobutadiene	225	11.767	11.780	(1.038)	201906	50.4260	50.4	
53 N-Nitroso-Di-N-Butylamine	84	12.481	12.525	(1.101)	383591	62.1247	62.1 (R)	
52 Caprolactam	113	12.491	12.660	(1.102)	117881	51.1011	51.1 (Q)	
55 Isosafrole	162	12.895	12.918	(1.138)	289657	54.3407	54.3	
56 2-Methylnaphthalene	142	13.009	13.032	(1.148)	800951	51.8943	51.9	
54 4-Chloro-3-Methylphenol	107	12.864	12.918	(1.135)	392034	54.4491	54.4 (Q)	
57 1-Methylnaphthalene	142	13.226	13.250	(1.167)	734740	50.9598	51.0	
59 1,2,4,5-Tetrachlorobenzene	216	13.433	13.446	(0.870)	632909	99.0010	99.0	
60 Hexachlorocyclopentadiene	237	13.444	13.457	(0.871)	194790	40.0599	40.0	
61 2,4,6-Trichlorophenol	196	13.744	13.777	(0.890)	243246	52.9998	53.0	
62 2,4,5-Trichlorophenol	196	13.858	13.871	(0.897)	254412	52.0067	52.0 (M)	M9
64 Safrole	104	14.116	14.150	(0.914)	160439	53.3044	53.3	
65 2-Chloronaphthalene	162	14.127	14.150	(0.915)	1028855	53.9636	54.0	
66 1,1'-Biphenyl	154	14.147	14.181	(0.916)	840961	50.0400	50.0	
67 1-Chloronaphthalene	162	14.179	14.212	(0.918)	589453	46.7439	46.7	
69 2-Nitroaniline	65	14.458	14.481	(0.936)	246885	44.6108	44.6	
70 1,4-Naphthoquinone	158	14.572	14.585	(0.944)	232447	68.6101	68.6 (R)	
75 Acenaphthylene	152	15.089	15.113	(0.977)	1006685	45.6629	45.7	
73 Dimethyl Phthalate	163	14.996	15.061	(0.971)	748719	50.1193	50.1	
72 1,3-Dinitrobenzene	168	14.975	15.030	(0.970)	123972	52.3019	52.3	
74 2,6-Dinitrotoluene	165	15.069	15.123	(0.976)	167532	50.6133	50.6	
* 78 Acenaphthene-D10	164	15.441	15.454	(1.000)	521375	40.0000		
79 Acenaphthene	153	15.514	15.547	(1.005)	665372	49.2977	49.3	
77 3-Nitroaniline	138	15.441	15.506	(1.000)	201206	49.3085	49.3	
80 2,4-Dinitrophenol	184	15.690	15.775	(1.016)	116248	53.1394	53.1	
82 Dibenzofuran	168	15.938	15.972	(1.032)	936622	52.2044	52.2	
81 Pentachlorobenzene	250	15.866	15.889	(1.027)	313583	53.8035	53.8	
85 1-Naphthylamine	143	16.135	16.179	(1.045)	707226	46.6808	46.7	
84 2,4-Dinitrotoluene	165	16.021	16.085	(1.038)	209455	47.5071	47.5	
88 2-Naphthylamine	143	16.342	16.396	(1.058)	703658	47.4153	47.4	
83 4-Nitrophenol	139	16.021	16.096	(1.038)	139078	48.7292	48.7	

DJP

9:32 am, Jul 16, 2014

Data File: \\target_server\gg\chem\gcms-u.i\U070314.b\U6273.D
 Report Date: 03-Jul-2014 15:44

Compounds	QUANT SIG			RESPONSE	CONCENTRATIONS		REVIEW CODE
	MASS	RT	EXP RT		ON-COLUMN (ug/ml)	FINAL (ug/L)	
=====	=====	=====	=====	=====	=====	=====	=====
87 2,3,4,6-Tetrachlorophenol	232	16.300	16.334 (1.056)	191574	49.9366	49.9	
90 Fluorene	166	16.745	16.779 (1.084)	704472	48.9712	49.0	
89 Diethylphthalate	149	16.694	16.738 (1.081)	809084	50.4534	50.4	
91 4-Chlorophenyl-phenylether	204	16.828	16.851 (1.090)	346920	50.9131	50.9	
93 O,O-diethyl-o-2-pyrazinylphos	107	16.870	16.913 (1.092)	166438	52.4324	52.4	
92 5-Nitro-O-Toluidine	152	16.859	16.934 (1.092)	210347	52.1411	52.1	
94 4-Nitroaniline	138	16.911	16.996 (1.095)	169954	49.5615	49.6 (Q)	
95 4,6-Dinitro-2-Methylphenol	198	16.973	17.048 (0.896)	137978	52.7367	52.7	
96 N-Nitrosodiphenylamine	169	17.139	17.172 (0.905)	1046816	87.6685	87.7	
97 N-Nitrosodiphenylamine/DPA	169	17.139	17.172 (0.905)	1046816	87.6685	87.7	
98 1,2-Diphenylhydrazine	77	17.201	17.224 (0.908)	869388	49.0967	49.1	
99 Azobenzene	77	17.201	17.224 (0.908)	869388	49.0967	49.1	
101 Sulfotepp	97	17.667	17.710 (0.933)	151864	52.4816	52.5	
103 Diallate	86	17.884	17.917 (0.944)	336139	54.9181	54.9	
105 4-Bromophenyl-phenylether	248	17.977	18.000 (0.949)	211507	49.4017	49.4	
104 Phorate	75	17.884	17.928 (0.944)	379569	30.4436	30.4 (RH)	
102 1,3,5-Trinitrobenzene	213	17.884	17.969 (0.944)	51883	49.5415	49.5 (Q)	
106 Phenacetin	108	18.018	18.114 (0.951)	358488	48.1054	48.1 (H)	
107 Hexachlorobenzene	284	18.060	18.093 (0.954)	247067	49.1410	49.1	
108 Dimethoate	87	18.267	18.331 (0.964)	251991	44.4002	44.4	
109 Atrazine	200	18.546	18.570 (0.979)	105595	33.5183	33.5 (QR)	
111 4-Aminobiphenyl	169	18.598	18.642 (0.982)	445896	30.2818	30.3 (R)	
110 Pentachlorophenol	266	18.577	18.621 (0.981)	163216	52.5729	52.6	
112 Pentachloronitrobenzene	237	18.598	18.632 (0.982)	94201	52.3403	52.3	
* 114 Phenanthrene-D10	188	18.940	18.963 (1.000)	885645	40.0000		
113 Pronamide	173	18.898	18.942 (0.998)	315488	51.2951	51.3	
115 Phenanthrene	178	18.991	19.025 (1.003)	992500	46.3630	46.4	
116 Anthracene	178	19.105	19.149 (1.009)	995038	48.4509	48.4	
118 Disulfoton	88	19.136	19.159 (1.010)	447316	50.3743	50.4	
117 Dinoseb	211	19.126	19.147 (1.010)	170231	54.5181	54.5	
119 Carbazole	167	19.561	19.594 (1.033)	772437	45.8098	45.8	
120 Methyl Parathion	109	19.995	20.008 (1.056)	261519	52.4033	52.4	
121 Di-n-butylphthalate	149	20.627	20.650 (1.089)	1210617	46.4735	46.5	
122 4-Nitroquinoline-1-Oxide	190	20.854	20.898 (1.101)	60584	49.3777	49.4	
123 Ethyl Parathion	291	20.968	20.991 (1.107)	66012	49.6050	49.6	
124 Methapyrilene	97	20.968	20.991 (1.107)	155410	48.2559	48.2	
125 Isodrin	193	21.444	21.457 (1.132)	120995	47.4706	47.5	
126 Fluoranthene	202	21.807	21.830 (1.151)	808059	41.8996	41.9	
128 Pyrene	202	22.303	22.337 (0.885)	853528	48.7059	48.7	
127 Benzidine	184	22.241	22.265 (0.882)	110550	23.7868	23.8 (aR)	
131 p-Dimethylaminoazobenzene	225	23.204	23.227 (0.920)	145170	48.8596	48.8	
132 Chlorobenzilate	251	23.380	23.403 (0.927)	239565	53.8957	53.9	
134 3,3'-Dimethylbenzidine	212	24.001	24.014 (0.952)	173508	37.2538	37.2 (R)	
135 Butylbenzylphthalate	149	24.146	24.159 (0.958)	379471	47.2086	47.2	
136 Bis(2-ethylhexyl)adipate	129	24.508	24.531 (0.972)	303001	41.3253	41.3	
137 2-Acetylaminofluorene	181	24.591	24.614 (0.975)	199893	53.9296	53.9	
139 Benzo(a)anthracene	228	25.181	25.204 (0.999)	525891	46.7204	46.7	
* 140 Chrysene-D12	240	25.212	25.225 (1.000)	479396	40.0000		
142 Chrysene	228	25.264	25.287 (1.002)	528493	51.5719	51.6	
141 3,3'-Dichlorobenzidine	252	25.243	25.256 (1.001)	160642	53.5437	53.5	
143 bis(2-Ethylhexyl)phthalate	149	25.646	25.659 (1.017)	520430	48.1260	48.1	
144 Di-n-octylphthalate	149	27.106	27.119 (0.957)	761444	45.5835	45.6	
145 Benzo(b)fluoranthene	252	27.572	27.584 (0.973)	401899	47.0769	47.1	
146 7,12-Dimethylbenz(A)Anthracen	256	27.592	27.605 (0.974)	218825	51.0259	51.0	

Data File: \\target_server\gg\chem\gcms-u.i\U070314.b\U6273.D
 Report Date: 03-Jul-2014 15:44

Compounds	QUANT SIG			RESPONSE	CONCENTRATIONS		REVIEW CODE
	MASS	RT	EXP RT REL RT		ON-COLUMN (ug/ml)	FINAL (ug/L)	
=====	=====	=====	=====	=====	=====	=====	=====
147 Benzo(k)fluoranthene	252	27.634	27.657 (0.976)	434250	49.4541	49.4 (H)	
148 Benzo(a)pyrene	252	28.213	28.226 (0.996)	342343	48.9877	49.0	
* 149 Perylene-D12	264	28.327	28.330 (1.000)	323115	40.0000		
150 3-Methylcholanthrene	268	28.948	28.961 (1.022)	180858	59.5168	59.5	
152 Dibenzo(a,j)acridine	279	30.118	30.131 (1.063)	185940	58.7323	58.7	
153 Indeno(1,2,3-cd)pyrene	276	30.470	30.472 (1.076)	217335	54.2305	54.2	
154 Dibenzo(a,h)anthracene	278	30.542	30.555 (1.078)	213844	52.0508	52.0	
155 Benzo(g,h,i)perylene	276	31.049	31.062 (1.096)	226329	52.0138	52.0	
M 156 Total PAHs	100			11562559	884.658	885	

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.
- R - Spike/Surrogate failed recovery limits.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: \\target_server\gs\chem\goms-u,i\U070314,b\U6273.D

Date : 03-JUL-2014 14:59

Client ID:

Sample Info: WJ145897-8

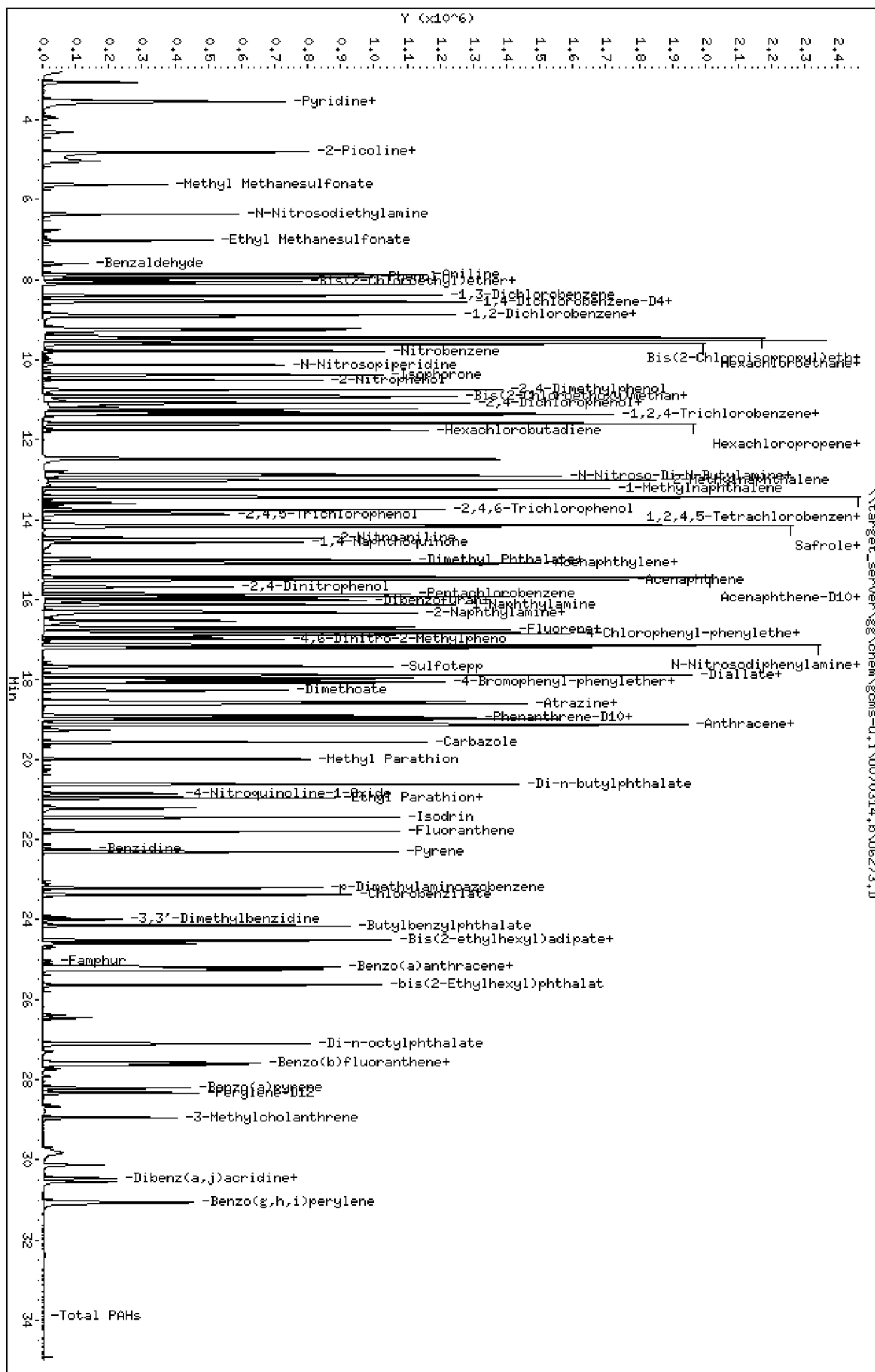
Volume Injected (uL): 1.0

Column phase: ZB5-MS

Instrument: goms-u,i

Operator: JCG

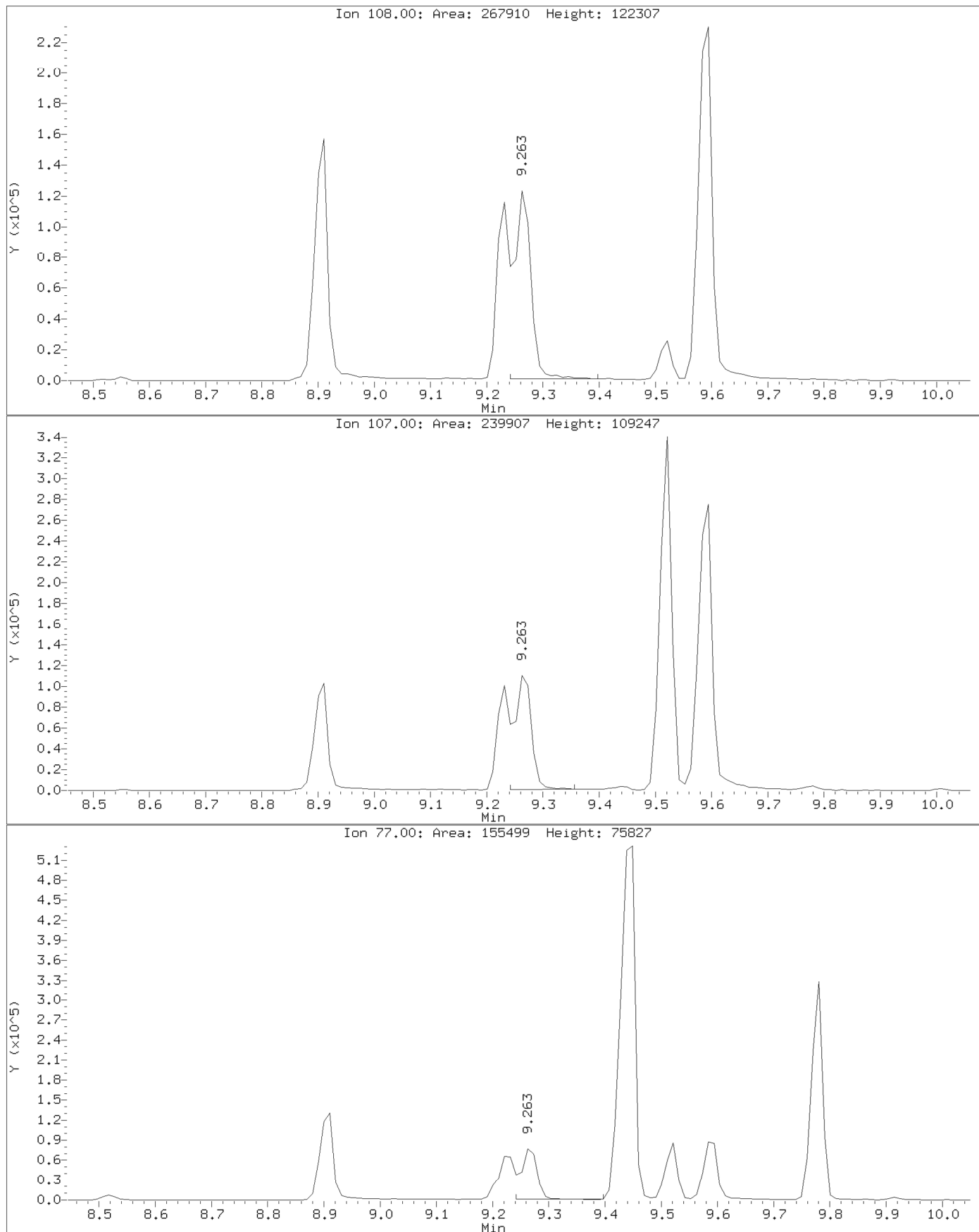
Column diameter: 0.25



Data File: \\target_server\gg\chem\gcms-u.i\U070314.b\U6273.D
Injection Date: 03-JUL-2014 14:59
Instrument: gcms-u.i
Client Sample ID:

BEFORE MANUAL INTEGRATION

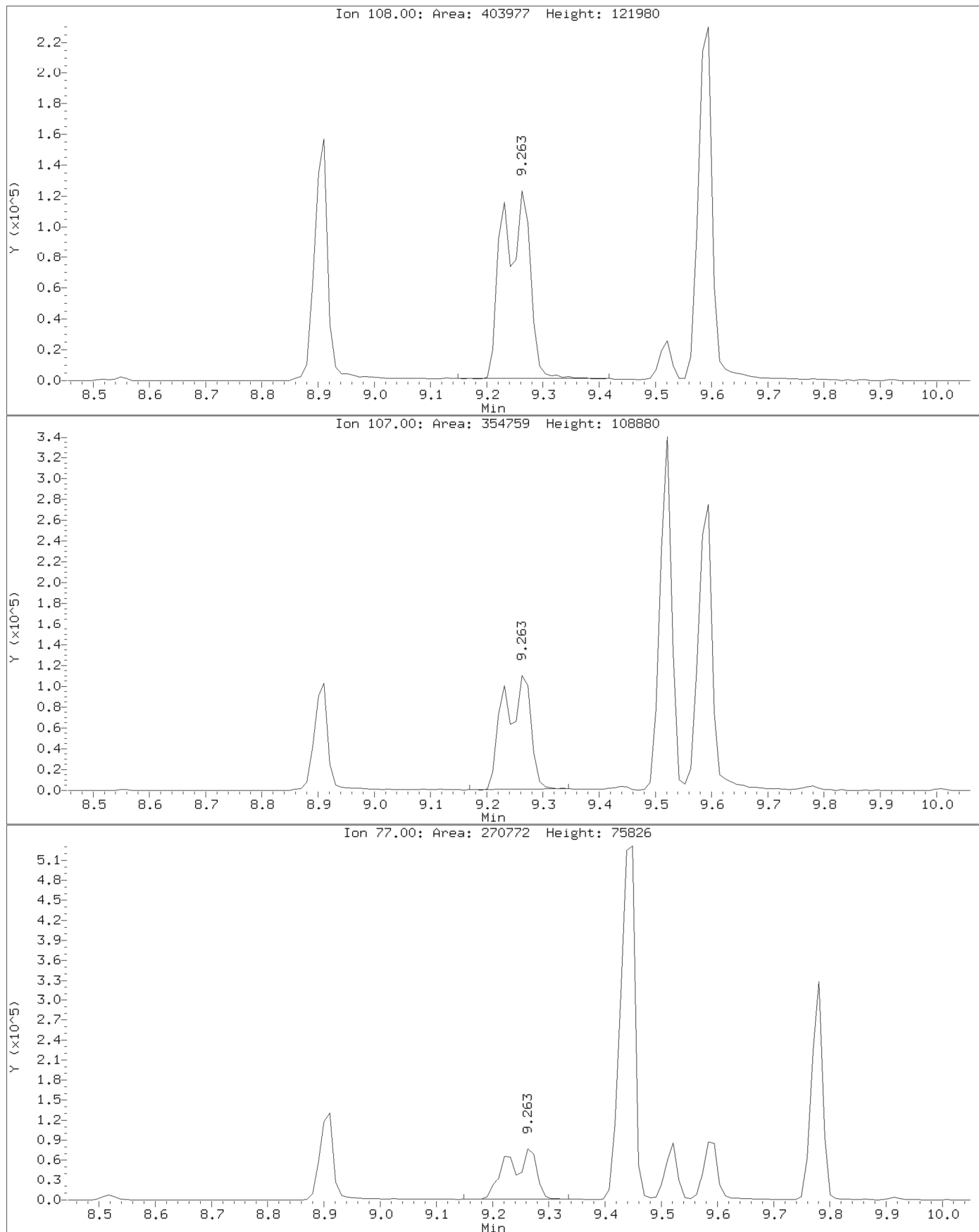
Compound: 2-Methylphenol
CAS Number: 95-48-7



Data File: \\target_server\gg\chem\gcms-u.i\U070314.b\U6273.D
Injection Date: 03-JUL-2014 14:59
Instrument: gcms-u.i
Client Sample ID:

AFTER MANUAL INTEGRATION

Compound: 2-Methylphenol
CAS Number: 95-48-7



Form 7

Calibration Verification Summary

Lab Name : Katahdin Analytical Services

Project : NCTAMSLANT Cutler CTO WE53

Lab ID : WG145703-2

Lab File ID : U6207.D

SDG: WE53-7

Analytical Date: 06/30/14 15:33

Instrument ID: GCMS-U

Initial Calibration Date(s): 06/30/14 10:09 06/30/14 13:49

Column ID:

Compound	RRF/Amount	RF50	CCAL RRF50	Min	%D/ %Drift	Max %D/ %Drift	Curve Type
11 Benzaldehyde	0.13709	0.15574	0.15574	0.010	13.60479	20.00000	Averaged
15 Phenol	1.45953	1.55946	1.55946	0.010	6.84651	20.01000	Averaged
23 2-Methylphenol	1.11221	1.11965	1.11965	0.010	0.66851	20.00000	Averaged
27 Acetophenone	0.39105	0.39360	0.39360	0.010	0.65079	20.00000	Averaged
36 Isophorone	0.60343	0.60905	0.60905	0.010	0.93045	20.00000	Averaged
37 2-Nitrophenol	0.16860	0.16976	0.16976	0.010	0.68516	20.01000	Averaged
38 2,4-Dimethylphenol	0.30112	0.30198	0.30198	0.010	0.28542	20.00000	Averaged
40 Bis(2-Chloroethoxy)methane	0.42101	0.44820	0.44820	0.010	6.45920	20.00000	Averaged
52 Caprolactam	0.08549	0.08543	0.08543	0.010	-0.06566	20.00000	Averaged
54 4-Chloro-3-Methylphenol	0.24718	0.25937	0.25937	0.010	4.92908	20.01000	Averaged
62 2,4,5-Trichlorophenol	0.36428	0.37654	0.37654	0.010	3.36516	20.00000	Averaged
65 2-Chloronaphthalene	1.38266	1.38018	1.38018	0.010	-0.17914	20.00000	Averaged
73 Dimethyl Phthalate	1.09743	1.14459	1.14459	0.010	4.29794	20.00000	Averaged
75 Acenaphthylene	1.45382	1.50787	1.50787	0.010	3.71771	20.00000	Averaged
79 Acenaphthene	0.89526	0.90581	0.90581	0.010	1.17830	20.01000	Averaged
83 4-Nitrophenol	0.17437	0.16645	0.16645	0.050	-4.54133	20.00000	Averaged
87 2,3,4,6-Tetrachlorophenol	0.27022	0.26798	0.26798	0.010	-0.83066	20.00000	Averaged
89 Diethylphthalate	1.05998	1.08733	1.08733	0.010	2.58106	20.00000	Averaged
90 Fluorene	1.06303	1.08317	1.08317	0.010	1.89447	20.00000	Averaged
91 4-Chlorophenyl-phenylether	0.50511	0.51441	0.51441	0.010	1.84211	20.00000	Averaged
96 N-Nitrosodiphenylamine	0.59582	0.60034	0.60034	0.010	0.75765	20.01000	Averaged
105 4-Bromophenyl-phenylether	0.20525	0.21348	0.21348	0.010	4.01046	20.00000	Averaged
116 Anthracene	0.88053	0.88990	0.88990	0.010	1.06433	20.00000	Averaged
119 Carbazole	0.77103	0.76675	0.76675	0.010	-0.55542	20.00000	Averaged
121 Di-n-butylphthalate	1.07953	1.09094	1.09094	0.010	1.05719	20.00000	Averaged
126 Fluoranthene	0.85648	0.85013	0.85013	0.010	-0.74117	20.01000	Averaged
135 Butylbenzylphthalate	0.57980	0.57872	0.57872	0.010	-0.18703	20.00000	Averaged
144 Di-n-octylphthalate	1.66660	1.50987	1.50987	0.010	-9.40392	20.01000	Averaged
147 Benzo(k)fluoranthene	1.03188	0.99347	0.99347	0.010	-3.72174	20.00000	Averaged
155 Benzo(g,h,i)perylene	0.60567	0.65666	0.65666	0.010	8.41826	20.00000	Averaged
8 2-Fluorophenol	1.14155	1.18909	1.18909	0.010	4.16473	20.00000	Averaged
13 Phenol-D6	1.39852	1.44957	1.44957	0.010	3.65022	20.00000	Averaged
33 Nitrobenzene-D5	0.31827	0.31817	0.31817	0.010	-0.02906	20.00000	Averaged
63 2-Fluorobiphenyl	1.07589	1.09694	1.09694	0.010	1.95577	20.00000	Averaged
100 2,4,6-Tribromophenol	0.16912	0.17510	0.17510	0.010	3.53852	20.00000	Averaged
129 Terphenyl-D14	0.85816	0.92854	0.92854	0.010	8.20107	20.00000	Averaged

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services	SDG: WE53-7
Project : NCTAMSLANT Cutler CTO WE53	Analytical Date: 06/30/14 15:33
Lab ID : WG145703-2	Instrument ID: GCMS-U
Lab File ID : U6207.D	Column ID:
Initial Calibration Date(s): 06/30/14 10:09 06/30/14 13:49	

* = Compound out of QC criteria

Form 7

Calibration Verification Summary

Lab Name : Katahdin Analytical Services

Project : NCTAMSLANT Cutler CTO WE53

SDG: WE53-7

Lab ID : WG145703-2

Analytical Date: 06/30/14 15:33

Lab File ID : U6207.D

Instrument ID: GCMS-U

Initial Calibration Date(s): 06/30/14 10:09 06/30/14 13:49

Column ID:

Compound	RRF/Amount	RF50	CCAL RRF50	Min	%D/ %Drift	Max %D/ %Drift	Curve Type
11 Benzaldehyde	0.13709	0.15574	0.15574	0.010	13.60479	20.00000	Averaged
15 Phenol	1.45953	1.55946	1.55946	0.010	6.84651	20.01000	Averaged
36 Isophorone	0.60343	0.60905	0.60905	0.010	0.93045	20.00000	Averaged
37 2-Nitrophenol	0.16860	0.16976	0.16976	0.010	0.68516	20.01000	Averaged
38 2,4-Dimethylphenol	0.30112	0.30198	0.30198	0.010	0.28542	20.00000	Averaged
40 Bis(2-Chloroethoxy)methane	0.42101	0.44820	0.44820	0.010	6.45920	20.00000	Averaged
41 2,4-Dichlorophenol	0.26118	0.27149	0.27149	0.010	3.94831	20.01000	Averaged
52 Caprolactam	0.08549	0.08543	0.08543	0.010	-0.06566	20.00000	Averaged
54 4-Chloro-3-Methylphenol	0.24718	0.25937	0.25937	0.010	4.92908	20.01000	Averaged
56 2-Methylnaphthalene	0.56427	0.56576	0.56576	0.010	0.26511	20.00000	Averaged
60 Hexachlorocyclopentadiene	0.33576	0.34194	0.34194	0.050	1.84119	20.00000	Averaged
62 2,4,5-Trichlorophenol	0.36428	0.37654	0.37654	0.010	3.36516	20.00000	Averaged
69 2-Nitroaniline	0.30660	0.31308	0.31308	0.010	2.11416	20.00000	Averaged
73 Dimethyl Phthalate	1.09743	1.14459	1.14459	0.010	4.29794	20.00000	Averaged
75 Acenaphthylene	1.45382	1.50787	1.50787	0.010	3.71771	20.00000	Averaged
77 3-Nitroaniline	0.24653	0.24498	0.24498	0.010	-0.62672	20.00000	Averaged
82 Dibenzofuran	1.30756	1.33503	1.33503	0.010	2.10109	20.00000	Averaged
83 4-Nitrophenol	0.17437	0.16645	0.16645	0.050	-4.54133	20.00000	Averaged
89 Diethylphthalate	1.05998	1.08733	1.08733	0.010	2.58106	20.00000	Averaged
90 Fluorene	1.06303	1.08317	1.08317	0.010	1.89447	20.00000	Averaged
91 4-Chlorophenyl-phenylether	0.50511	0.51441	0.51441	0.010	1.84211	20.00000	Averaged
105 4-Bromophenyl-phenylether	0.20525	0.21348	0.21348	0.010	4.01046	20.00000	Averaged
115 Phenanthrene	0.91403	0.90509	0.90509	0.010	-0.97870	20.00000	Averaged
116 Anthracene	0.88053	0.88990	0.88990	0.010	1.06433	20.00000	Averaged
119 Carbazole	0.77103	0.76675	0.76675	0.010	-0.55542	20.00000	Averaged
126 Fluoranthene	0.85648	0.85013	0.85013	0.010	-0.74117	20.01000	Averaged
128 Pyrene	1.32839	1.44728	1.44728	0.010	8.94974	20.00000	Averaged
142 Chrysene	0.83327	0.83434	0.83434	0.010	0.12798	20.00000	Averaged
143 bis(2-Ethylhexyl)phthalate	0.79644	0.78305	0.78305	0.010	-1.68087	20.00000	Averaged
144 Di-n-octylphthalate	1.66660	1.50987	1.50987	0.010	-9.40392	20.01000	Averaged
147 Benzo(k)fluoranthene	1.03188	0.99347	0.99347	0.010	-3.72174	20.00000	Averaged
154 Dibenzo(a,h)anthracene	0.56907	0.59083	0.59083	0.010	3.82291	20.00000	Averaged
155 Benzo(g,h,i)perylene	0.60567	0.65666	0.65666	0.010	8.41826	20.00000	Averaged
8 2-Fluorophenol	1.14155	1.18909	1.18909	0.010	4.16473	20.00000	Averaged
13 Phenol-D6	1.39852	1.44957	1.44957	0.010	3.65022	20.00000	Averaged
33 Nitrobenzene-D5	0.31827	0.31817	0.31817	0.010	-0.02906	20.00000	Averaged
63 2-Fluorobiphenyl	1.07589	1.09694	1.09694	0.010	1.95577	20.00000	Averaged
100 2,4,6-Tribromophenol	0.16912	0.17510	0.17510	0.010	3.53852	20.00000	Averaged
129 Terphenyl-D14	0.85816	0.92854	0.92854	0.010	8.20107	20.00000	Averaged

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services	SDG: WE53-7
Project : NCTAMSLANT Cutler CTO WE53	Analytical Date: 06/30/14 15:33
Lab ID : WG145703-2	Instrument ID: GCMS-U
Lab File ID : U6207.D	Column ID:
Initial Calibration Date(s): 06/30/14 10:09 06/30/14 13:49	

* = Compound out of QC criteria

Data File: \\target_server\gg\chem\gcms-u.i\U063014B.b\U6207.D
 Report Date: 15-Jul-2014 15:23

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-u.i\U063014B.b\U6207.D
 Lab Smp Id: WG145703-2
 Inj Date : 30-JUN-2014 15:33 MS Autotune Date: 26-OCT-2013 10:51
 Operator : JCG Inst ID: gcms-u.i
 Smp Info : WG145703-2,WE53-7
 Misc Info : WG145703,WG145703,WG145667-4,SH4521-8
 Comment :
 Method : \\target_server\gg\chem\gcms-u.i\U063014B.b\U8270C59.m
 Meth Date : 15-Jul-2014 15:23 gcms-u.i Quant Type: ISTD
 Cal Date : 30-JUN-2014 13:49 Cal File: U6205.D
 Als bottle: 2 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.12

Concentration Formula: Amt * DF * Uf*(Vt/Vo*Vi)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG						AMOUNTS		REVIEW CODE
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
1 1,4-Dioxane	58		3.070	3.070	(0.271)		127712	50.0000	51.2	
2 N-Nitrosodimethylamine	42		3.525	3.525	(0.414)		202532	50.0000	52.2	
3 Pyridine	79		3.556	3.556	(0.417)		544051	50.0000	54.4	
4 Ethyl Methacrylate	69		4.312	4.312	(0.506)		380196	50.0000	53.2	
5 2-Picoline	93		4.819	4.819	(0.565)		481144	50.0000	53.4	
6 N-Nitrosomethylethylamine	88		5.047	5.047	(0.592)		205546	50.0000	52.0	
7 Methyl Methanesulfonate	80		5.626	5.626	(0.660)		301357	50.0000	51.1	
\$ 8 2-Fluorophenol	112		5.989	5.989	(0.703)		447964	50.0000	52.1	
9 N-Nitrosodiethylamine	102		6.372	6.372	(0.747)		202595	50.0000	51.7	
10 Ethyl Methanesulfonate	79		7.034	7.034	(0.825)		375139	50.0000	51.2	
11 Benzaldehyde	77		7.614	7.614	(0.893)		58670	50.0000	56.8	
12 Aniline	93		7.862	7.862	(0.922)		737906	50.0000	51.9	
\$ 13 Phenol-D6	99		7.924	7.924	(0.930)		546092	50.0000	51.8	
14 Pentachloroethane	117		7.924	7.924	(0.930)		169470	50.0000	52.5	
15 Phenol	94		7.955	7.955	(0.933)		587491	50.0000	53.4	
16 Bis(2-Chloroethyl)ether	93		8.048	8.048	(0.944)		461648	50.0000	52.2	
17 2-Chlorophenol	128		8.110	8.110	(0.951)		458489	50.0000	50.6	
18 1,3-Dichlorobenzene	146		8.400	8.400	(0.985)		521963	50.0000	52.6	
* 19 1,4-Dichlorobenzene-D4	152		8.524	8.524	(1.000)		301382	40.0000		
20 1,4-Dichlorobenzene	146		8.566	8.566	(1.005)		526425	50.0000	52.3	
21 1,2-Dichlorobenzene	146		8.876	8.876	(1.041)		509726	50.0000	52.8	

Data File: \\target_server\gg\chem\gcms-u.i\U063014B.b\U6207.D
Report Date: 15-Jul-2014 15:23

Compounds	QUANT SIG				RESPONSE	AMOUNTS		REVIEW CODE
	MASS	RT	EXP RT	REL RT		CAL-AMT (ug/ml)	ON-COL (ug/ml)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
22 Benzyl alcohol	108	8.907	8.907	(1.045)	288661	50.0000	48.4	
23 2-Methylphenol	108	9.228	9.228	(1.083)	421802	50.0000	50.3 (M)	M9
24 Bis(2-Chloroisopropyl)ether	45	9.239	9.239	(1.084)	555598	50.0000	51.9	
25 2,2'-Oxybis(1-chloropropane)	45	9.239	9.239	(1.084)	555598	50.0000	52.0	
26 N-Nitrosopyrrolidine	100	9.415	9.415	(1.104)	227219	50.0000	53.7	
27 Acetophenone	105	9.446	9.446	(0.833)	609995	50.0000	50.3	
28 N-Nitrosomorpholine	56	9.487	9.487	(1.113)	249296	50.0000	52.5 (H)	
29 o-Toluidine	106	9.528	9.528	(1.118)	585843	50.0000	52.1	
30 N-Nitroso-di-n-propylamine	70	9.528	9.528	(1.118)	332380	50.0000	51.4	
31 3&4-Methylphenol	108	9.601	9.601	(1.126)	440715	50.0000	51.4	
32 Hexachloroethane	117	9.611	9.611	(1.127)	205063	50.0000	51.6	
\$ 33 Nitrobenzene-D5	82	9.746	9.746	(0.859)	493102	50.0000	50.0	
34 Nitrobenzene	77	9.787	9.787	(0.863)	484824	50.0000	50.5	
35 N-Nitrosopiperidine	114	10.129	10.129	(0.893)	210445	50.0000	50.4	
36 Isophorone	82	10.367	10.367	(0.914)	943894	50.0000	50.5	
37 2-Nitrophenol	139	10.512	10.512	(0.927)	263090	50.0000	50.3	
38 2,4-Dimethylphenol	107	10.760	10.760	(0.949)	468007	50.0000	50.1	
39 O,O,O-Triethylphosphorothioat	198	10.926	10.926	(0.963)	211460	50.0000	52.2	
40 Bis(2-Chloroethoxy)methane	93	10.946	10.946	(0.965)	694617	50.0000	53.2	
41 2,4-Dichlorophenol	162	11.102	11.102	(0.979)	420758	50.0000	52.0	
42 Benzoic acid	122	11.122	11.122	(0.981)	208588	50.0000	49.6 (M)	M9
43 1,2,4-Trichlorobenzene	180	11.247	11.247	(0.992)	408807	50.0000	51.2	
* 44 Naphthalene-D8	136	11.340	11.340	(1.000)	1239829	40.0000		
45 Naphthalene	128	11.381	11.381	(1.004)	1225633	50.0000	51.0	
46 4-Chloroaniline	127	11.598	11.598	(1.023)	516945	50.0000	52.2	
47 2,6-Dichlorophenol	162	11.609	11.609	(1.024)	355344	50.0000	50.3	
48 Hexachloropropene	213	11.629	11.629	(1.026)	291307	50.0000	52.2	
49 A,A-Dimethylphenethylamine	58	11.712	11.712	(1.033)	746799	50.0000	49.9 (M)	M9
50 Hexachlorobutadiene	225	11.774	11.774	(1.038)	240428	50.0000	49.9	
51 p-Phenylenediamine	108	12.468	12.468	(1.099)	293617	50.0000	45.4 (M)	M9
52 Caprolactam	113	12.478	12.478	(1.100)	132402	50.0000	50.0	
53 N-Nitroso-Di-N-Butylamine	84	12.489	12.489	(1.101)	372571	50.0000	53.7	
54 4-Chloro-3-Methylphenol	107	12.861	12.861	(1.134)	401961	50.0000	52.5	
55 Isosafrole	162	12.903	12.903	(1.138)	354424	50.0000	51.0	
56 2-Methylnaphthalene	142	13.016	13.016	(1.148)	876811	50.0000	50.1	
57 1-Methylnaphthalene	142	13.234	13.234	(1.167)	824557	50.0000	50.5	
59 1,2,4,5-Tetrachlorobenzene	216	13.430	13.430	(0.869)	392333	50.0000	51.0	
60 Hexachlorocyclopentadiene	237	13.451	13.451	(0.871)	286692	50.0000	50.9	
61 2,4,6-Trichlorophenol	196	13.751	13.751	(0.890)	300762	50.0000	52.1	
62 2,4,5-Trichlorophenol	196	13.834	13.834	(0.895)	315700	50.0000	51.7	
\$ 63 2-Fluorobiphenyl	172	13.958	13.958	(0.904)	919700	50.0000	51.0	
64 Safrole	104	14.124	14.124	(0.914)	159746	50.0000	52.7	
65 2-Chloronaphthalene	162	14.145	14.145	(0.916)	1157180	50.0000	49.9	
66 1,1'-Biphenyl	154	14.155	14.155	(0.916)	905182	50.0000	52.2	
67 1-Chloronaphthalene	162	14.186	14.186	(0.918)	770746	50.0000	50.7	
68 Diphenylether	170	14.434	14.434	(0.934)	553842	50.0000	51.7	
69 2-Nitroaniline	65	14.455	14.455	(0.936)	262492	50.0000	51.0	
70 1,4-Naphthoquinone	158	14.579	14.579	(0.944)	236963	50.0000	56.8	
71 1,4-Dinitrobenzene	75	14.786	14.786	(0.957)	160586	50.0000	52.1	
72 1,3-Dinitrobenzene	168	14.983	14.983	(0.970)	148785	50.0000	50.6	
73 Dimethyl Phthalate	163	15.004	15.004	(0.971)	959658	50.0000	52.1	
74 2,6-Dinitrotoluene	165	15.076	15.076	(0.976)	212574	50.0000	51.7	
75 Acenaphthylene	152	15.097	15.097	(0.977)	1264235	50.0000	51.8	
76 1,2-Dinitrobenzene	50	15.169	15.169	(0.982)	108137	50.0000	51.5	

DJP
7:34 am, Jul 16, 2014

Data File: \\target_server\gg\chem\gcms-u.i\U063014B.b\U6207.D
 Report Date: 15-Jul-2014 15:23

Compounds	QUANT SIG				RESPONSE	AMOUNTS		REVIEW CODE
	MASS	RT	EXP RT	REL RT		CAL-AMT (ug/ml)	ON-COL (ug/ml)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
77 3-Nitroaniline	138	15.449	15.449	(1.000)	205401	50.0000	49.7	
* 78 Acenaphthene-D10	164	15.449	15.449	(1.000)	670741	40.0000		
79 Acenaphthene	153	15.521	15.521	(1.005)	759455	50.0000	50.6	
80 2,4-Dinitrophenol	184	15.707	15.707	(1.017)	117525	50.0000	51.1	
81 Pentachlorobenzene	250	15.873	15.873	(1.027)	361112	50.0000	52.1	
82 Dibenzofuran	168	15.945	15.945	(1.032)	1119326	50.0000	51.0	
83 4-Nitrophenol	139	16.028	16.028	(1.038)	139557	50.0000	47.7	
84 2,4-Dinitrotoluene	165	16.028	16.028	(1.038)	262690	50.0000	50.2	
85 1-Naphthylamine	143	16.142	16.142	(1.045)	718357	50.0000	49.8	
86 2,3,5,6-Tetrachlorophenol	232	16.204	16.204	(1.049)	236208	50.0000	50.7	
87 2,3,4,6-Tetrachlorophenol	232	16.308	16.308	(1.056)	224678	50.0000	49.6	
88 2-Naphthylamine	143	16.339	16.339	(1.058)	667145	50.0000	49.0	
89 Diethylphthalate	149	16.711	16.711	(1.082)	911650	50.0000	51.3	
90 Fluorene	166	16.753	16.753	(1.084)	908154	50.0000	50.9	
91 4-Chlorophenyl-phenylether	204	16.836	16.836	(1.090)	431299	50.0000	50.9	
92 5-Nitro-O-Toluidine	152	16.867	16.867	(1.092)	190361	50.0000	51.4	
93 O,O-diethyl-o-2-pyrazinylphos	107	16.877	16.877	(1.092)	164081	50.0000	50.5	
94 4-Nitroaniline	138	16.908	16.908	(1.094)	171754	50.0000	50.3	
95 4,6-Dinitro-2-Methylphenol	198	16.980	16.980	(0.896)	150576	50.0000	49.5	
96 N-Nitrosodiphenylamine	169	17.146	17.146	(0.905)	729167	50.0000	50.4	
97 N-Nitrosodiphenylamine/DPA	169	17.146	17.146	(0.905)	729167	50.0000	50.4	
98 1,2-Diphenylhydrazine	77	17.208	17.208	(0.908)	934114	50.0000	50.6	
99 Azobenzene	77	17.208	17.208	(0.908)	934114	50.0000	50.7	
\$ 100 2,4,6-Tribromophenol	330	17.332	17.332	(1.122)	146812	50.0000	51.8	
101 Sulfotepp	97	17.684	17.684	(0.933)	160715	50.0000	51.6	
102 1,3,5-Trinitrobenzene	213	17.881	17.881	(0.944)	57980	50.0000	50.3	
103 Diallate	86	17.902	17.902	(0.945)	341910	50.0000	50.7	
104 Phorate	75	17.891	17.891	(0.944)	669215	50.0000	53.0	
105 4-Bromophenyl-phenylether	248	17.984	17.984	(0.949)	259297	50.0000	52.0	
106 Phenacetin	108	18.026	18.026	(0.951)	349981	50.0000	50.8 (H)	
107 Hexachlorobenzene	284	18.078	18.078	(0.954)	303371	50.0000	51.8	
108 Dimethoate	87	18.274	18.274	(0.964)	271619	50.0000	47.8	
109 Atrazine	200	18.543	18.543	(0.979)	189039	50.0000	48.7 (H)	
110 Pentachlorophenol	266	18.585	18.585	(0.981)	167059	50.0000	49.9	
111 4-Aminobiphenyl	169	18.605	18.605	(0.982)	609291	50.0000	49.6	
112 Pentachloronitrobenzene	237	18.605	18.605	(0.982)	103034	50.0000	51.0	
113 Pronamide	173	18.906	18.906	(0.998)	358471	50.0000	50.6	
* 114 Phenanthrene-D10	188	18.947	18.947	(1.000)	971674	40.0000		
115 Phenanthrene	178	18.999	18.999	(1.003)	1099310	50.0000	49.5	
116 Anthracene	178	19.123	19.123	(1.009)	1080867	50.0000	50.5	
117 Dinoseb	211	19.133	19.133	(1.010)	182780	50.0000	50.5	
118 Disulfoton	88	19.144	19.144	(1.010)	486833	50.0000	51.3	
119 Carbazole	167	19.568	19.568	(1.033)	931286	50.0000	49.7	
120 Methyl Parathion	109	20.003	20.003	(1.056)	229556	50.0000	47.9	
121 Di-n-butylphthalate	149	20.634	20.634	(1.089)	1325046	50.0000	50.5	
122 4-Nitroquinoline-1-Oxide	190	20.862	20.862	(1.101)	55855	50.0000	43.5	
123 Ethyl Parathion	291	20.976	20.976	(1.107)	68396	50.0000	50.4	
124 Methapyrilene	97	20.976	20.976	(1.107)	156447	50.0000	48.4	
125 Isodrin	193	21.462	21.462	(1.133)	152475	50.0000	52.0	
126 Fluoranthene	202	21.814	21.814	(1.151)	1032560	50.0000	49.6	
127 Benzidine	184	22.259	22.259	(0.883)	158882	50.0000	50.4	
128 Pyrene	202	22.321	22.321	(0.885)	1034727	50.0000	54.5	
\$ 129 Terphenyl-D14	244	22.859	22.859	(0.906)	663856	50.0000	54.1	
130 Aramite	185	23.149	23.149	(0.918)	61300	50.0000	53.9	

Data File: \\target_server\gg\chem\gcms-u.i\U063014B.b\U6207.D
 Report Date: 15-Jul-2014 15:23

						AMOUNTS		
		QUANT	SIG					
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====
131 p-Dimethylaminoazobenzene	225	23.222	23.222	(0.921)	150329	50.0000	51.5	
132 Chlorobenzilate	251	23.398	23.398	(0.928)	252443	50.0000	52.3	
134 3,3'-Dimethylbenzidine	212	24.019	24.019	(0.952)	170819	50.0000	50.9	
135 Butylbenzylphthalate	149	24.153	24.153	(0.958)	413752	50.0000	49.9	
136 Bis (2-ethylhexyl)adipate	129	24.526	24.526	(0.973)	391721	50.0000	53.0	
137 2-Acetylaminofluorene	181	24.598	24.598	(0.975)	206064	50.0000	50.5	
138 Famphur	218	25.074	25.074	(0.994)	27590	50.0000	(a)	
139 Benzo(a)anthracene	228	25.198	25.198	(0.999)	648105	50.0000	48.9	
* 140 Chrysene-D12	240	25.219	25.219	(1.000)	571956	40.0000		
141 3,3'-Dichlorobenzidine	252	25.250	25.250	(1.001)	188641	50.0000	49.8	
142 Chrysene	228	25.281	25.281	(1.002)	596508	50.0000	50.1	
143 bis (2-Ethylhexyl)phthalate	149	25.664	25.664	(1.018)	559840	50.0000	49.2	
144 Di-n-octylphthalate	149	27.124	27.124	(0.957)	820460	50.0000	45.3	
145 Benzo(b)fluoranthene	252	27.589	27.589	(0.973)	547046	50.0000	50.3	
146 7,12-Dimethylbenz (a)anthracen	256	27.610	27.610	(0.974)	258709	50.0000	48.9	
147 Benzo(k)fluoranthene	252	27.651	27.651	(0.976)	539850	50.0000	48.1 (H)	
148 Benzo(a)pyrene	252	28.221	28.221	(0.996)	457251	50.0000	48.4	
* 149 Perylene-D12	264	28.345	28.345	(1.000)	434718	40.0000		
150 3-Methylcholanthrene	268	28.966	28.966	(1.022)	213774	50.0000	50.1	
152 Dibenz (a, j)acridine	279	30.146	30.146	(1.064)	268662	50.0000	53.5	
153 Indeno (1,2,3-cd)pyrene	276	30.487	30.487	(1.076)	326075	50.0000	52.8	
154 Dibenzo (a, h)anthracene	278	30.570	30.570	(1.079)	321053	50.0000	51.9	
155 Benzo(g, h, i)perylene	276	31.077	31.077	(1.096)	356827	50.0000	54.2	
M 156 Total PAHs	100				13899024	850.000	(a)	

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: \\target_server\gs\chem\goms-u.i\U063014B.b\U06207.D

Date : 30-JUN-2014 15:33

Client ID:

Sample Info: WJ145703-2,ME53-7

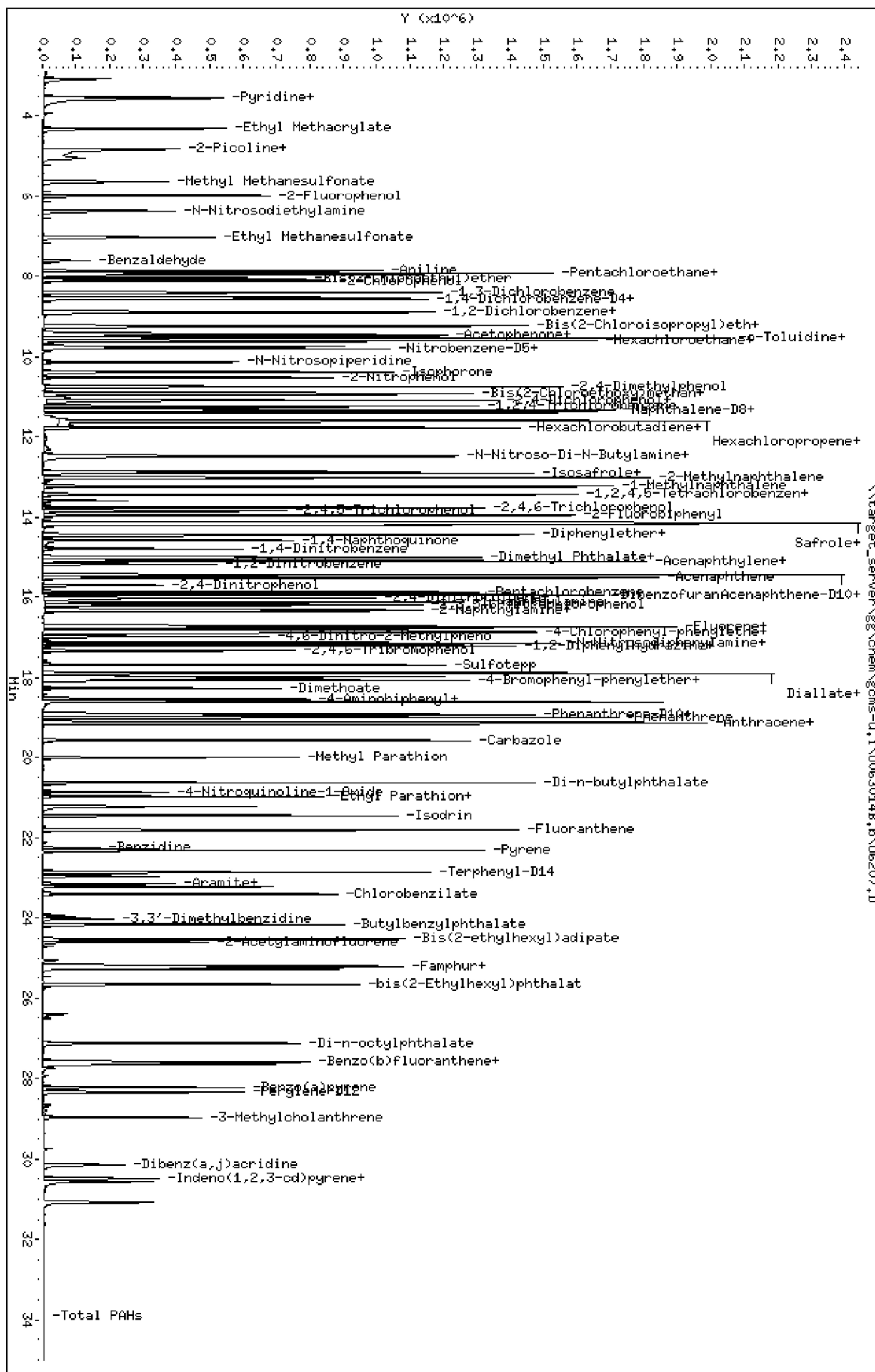
Volume Injected (uL): 1.0

Column phase: ZB5-HS

Instrument: goms-u.i

Operator: JCG

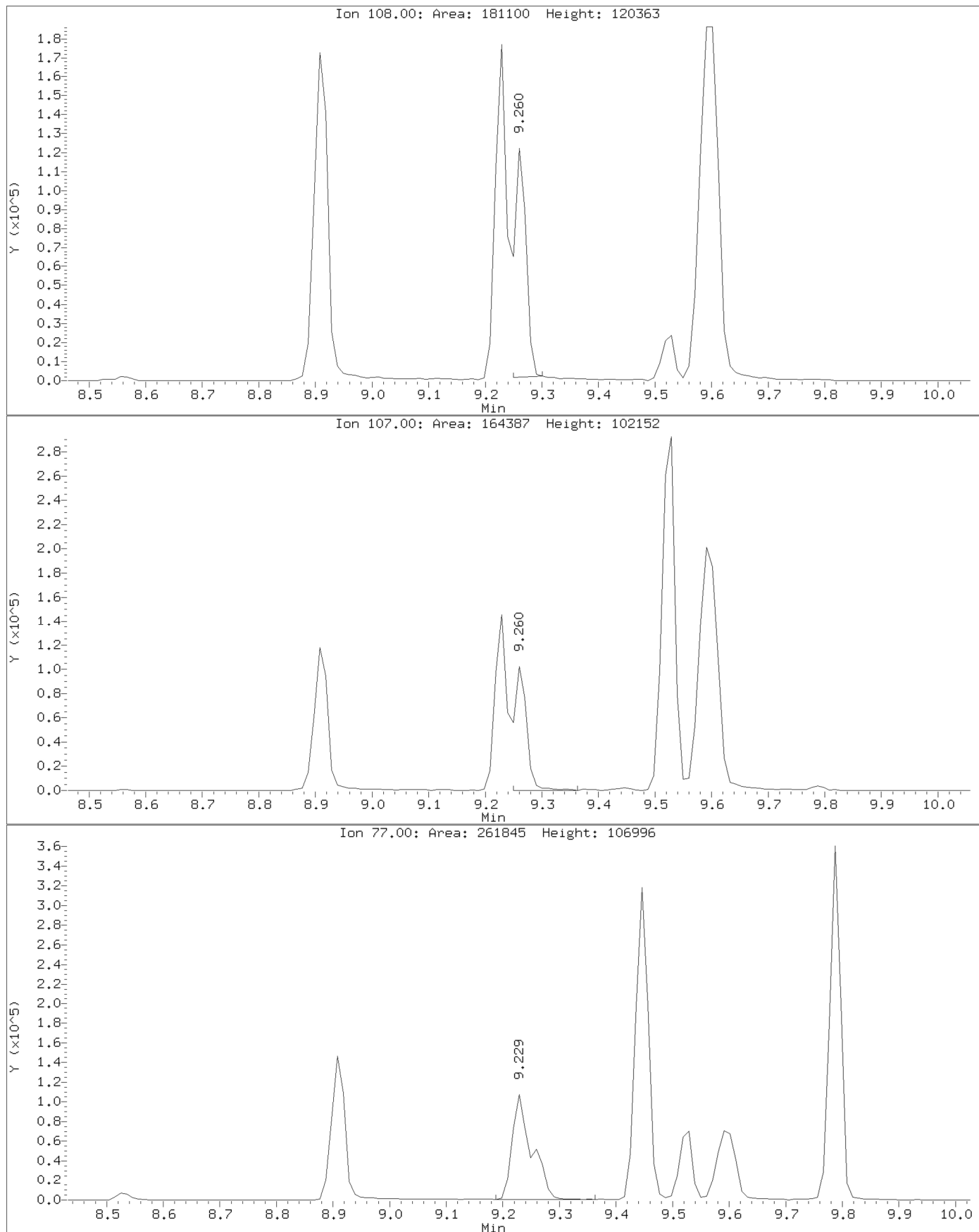
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Injection Date: 30-JUN-2014 15:33
Instrument: gcms-u.i
Client Sample ID:

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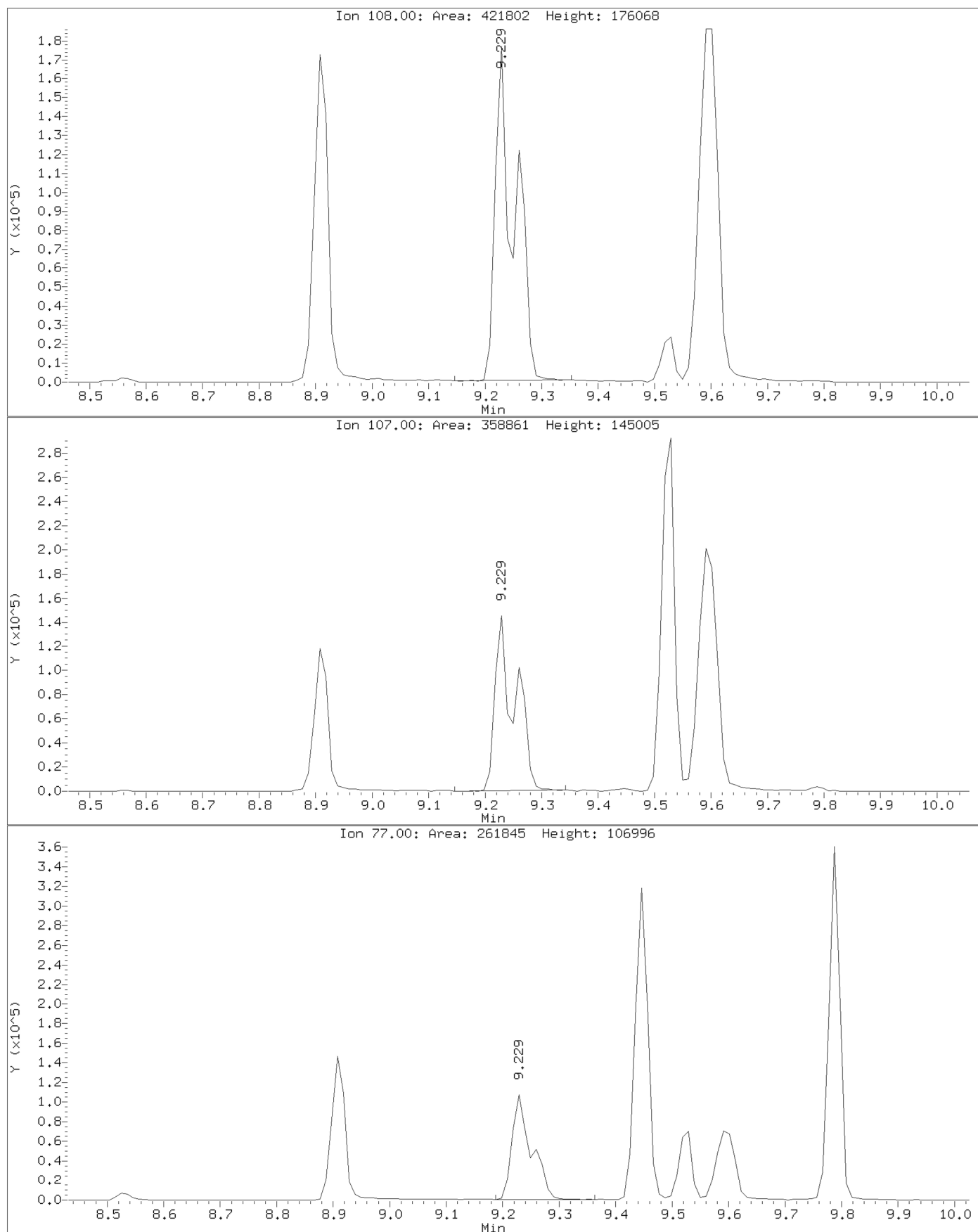
Compound: 2-Methylphenol
CAS Number: 95-48-7



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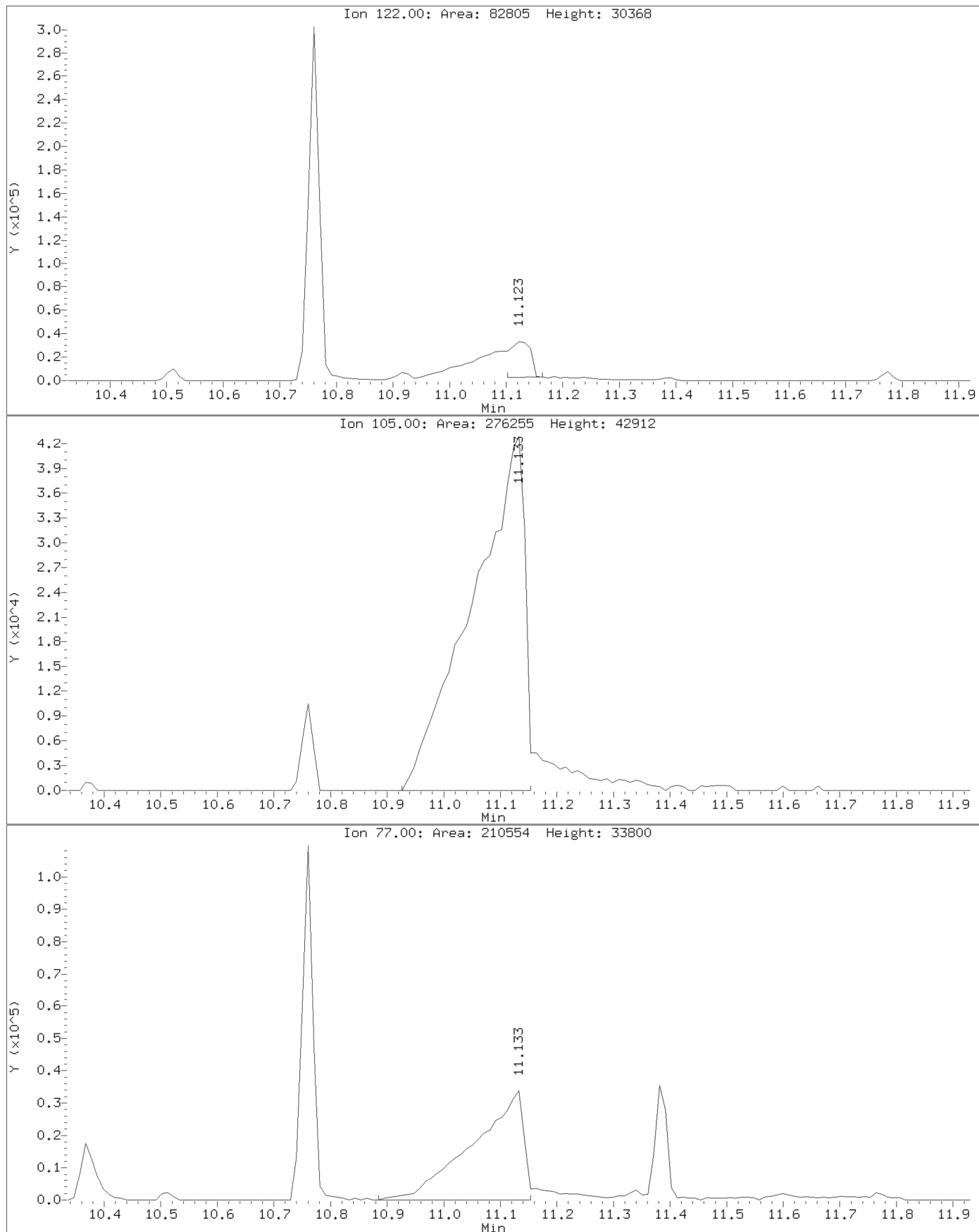
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CAS Number: 95-48-7



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BEFORE MANUAL INTEGRATION

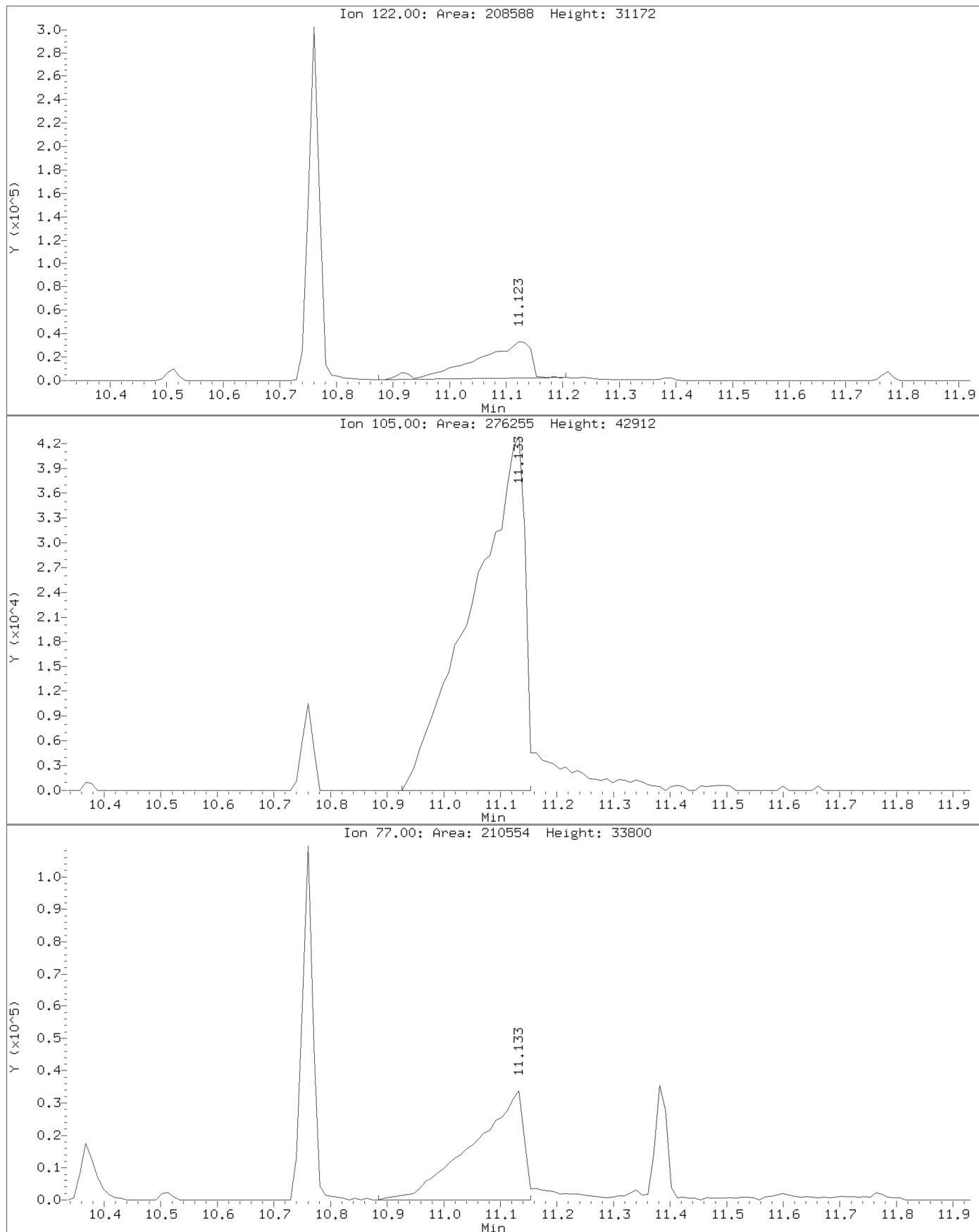
Compound: Benzoic acid
CAS Number: 65-85-0



Data File: \\target_server\gg\chem\gcms-u.i\U063014B.b\U6207.D
Injection Date: 30-JUN-2014 15:33
Instrument: gcms-u.i
Client Sample ID:

Compound: Benzoic acid
CAS Number: 65-85-0

AFTER MANUAL INTEGRATION



Form 7

Calibration Verification Summary

Lab Name : Katahdin Analytical Services

Project : NCTAMSLANT Cutler CTO WE53

SDG: WE53-7

Lab ID : WG145731-2

Analytical Date: 07/01/14 13:32

Lab File ID : U6231.D

Instrument ID: GCMS-U

Initial Calibration Date(s): 06/30/14 10:09 06/30/14 13:49

Column ID:

Compound	RRF/Amount	RF50	CCAL RRF50	Min	%D/ %Drift	Max %D/ %Drift	Curve Type
11 Benzaldehyde	0.13709	0.14731	0.14731	0.010	7.46012	20.00000	Averaged
15 Phenol	1.45953	1.66962	1.66962	0.010	14.39388	20.01000	Averaged
23 2-Methylphenol	1.11221	1.22010	1.22010	0.010	9.70027	20.00000	Averaged
27 Acetophenone	0.39105	0.43549	0.43549	0.010	11.36291	20.00000	Averaged
36 Isophorone	0.60343	0.67892	0.67892	0.010	12.50947	20.00000	Averaged
37 2-Nitrophenol	0.16860	0.18706	0.18706	0.010	10.94714	20.01000	Averaged
38 2,4-Dimethylphenol	0.30112	0.32656	0.32656	0.010	8.44764	20.00000	Averaged
40 Bis(2-Chloroethoxy)methane	0.42101	0.50522	0.50522	0.010	20.00318	20.00000	Averaged
52 Caprolactam	0.08549	0.09581	0.09581	0.010	12.06775	20.00000	Averaged
54 4-Chloro-3-Methylphenol	0.24718	0.28454	0.28454	0.010	15.11186	20.01000	Averaged
62 2,4,5-Trichlorophenol	0.36428	0.42237	0.42237	0.010	15.94626	20.00000	Averaged
65 2-Chloronaphthalene	1.38266	1.52531	1.52531	0.010	10.31732	20.00000	Averaged
73 Dimethyl Phthalate	1.09743	1.23280	1.23280	0.010	12.33575	20.00000	Averaged
75 Acenaphthylene	1.45382	1.68884	1.68884	0.010	16.16599	20.00000	Averaged
79 Acenaphthene	0.89526	1.03839	1.03839	0.010	15.98752	20.01000	Averaged
83 4-Nitrophenol	0.17437	0.17288	0.17288	0.050	-0.85471	20.00000	Averaged
87 2,3,4,6-Tetrachlorophenol	0.27022	0.28793	0.28793	0.010	6.55528	20.00000	Averaged
89 Diethylphthalate	1.05998	1.17950	1.17950	0.010	11.27593	20.00000	Averaged
90 Fluorene	1.06303	1.20407	1.20407	0.010	13.26855	20.00000	Averaged
91 4-Chlorophenyl-phenylether	0.50511	0.55596	0.55596	0.010	10.06774	20.00000	Averaged
96 N-Nitrosodiphenylamine	0.59582	0.68278	0.68278	0.010	14.59431	20.01000	Averaged
105 4-Bromophenyl-phenylether	0.20525	0.22997	0.22997	0.010	12.04289	20.00000	Averaged
116 Anthracene	0.88053	0.96016	0.96016	0.010	9.04395	20.00000	Averaged
119 Carbazole	0.77103	0.75285	0.75285	0.010	-2.35751	20.00000	Averaged
121 Di-n-butylphthalate	1.07953	1.05932	1.05932	0.010	-1.87166	20.00000	Averaged
126 Fluoranthene	0.85648	0.78159	0.78159	0.010	-8.74300	20.01000	Averaged
135 Butylbenzylphthalate	0.57980	0.65472	0.65472	0.010	12.92189	20.00000	Averaged
144 Di-n-octylphthalate	1.66660	1.94710	1.94710	0.010	16.83093	20.01000	Averaged
147 Benzo(k)fluoranthene	1.03188	1.13452	1.13452	0.010	9.94695	20.00000	Averaged
155 Benzo(g,h,i)perylene	0.60567	0.60554	0.60554	0.010	-0.02257	20.00000	Averaged
8 2-Fluorophenol	1.14155	1.29229	1.29229	0.010	13.20448	20.00000	Averaged
13 Phenol-D6	1.39852	1.53388	1.53388	0.010	9.67862	20.00000	Averaged
33 Nitrobenzene-D5	0.31827	0.34638	0.34638	0.010	8.83355	20.00000	Averaged
63 2-Fluorobiphenyl	1.07589	1.20810	1.20810	0.010	12.28842	20.00000	Averaged
100 2,4,6-Tribromophenol	0.16912	0.17418	0.17418	0.010	2.99110	20.00000	Averaged
129 Terphenyl-D14	0.85816	0.97354	0.97354	0.010	13.44500	20.00000	Averaged

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services	SDG: WE53-7
Project : NCTAMSLANT Cutler CTO WE53	Analytical Date: 07/01/14 13:32
Lab ID : WG145731-2	Instrument ID: GCMS-U
Lab File ID : U6231.D	Column ID:
Initial Calibration Date(s): 06/30/14 10:09 06/30/14 13:49	

* = Compound out of QC criteria

Form 7

Calibration Verification Summary

Lab Name : Katahdin Analytical Services

Project : NCTAMSLANT Cutler CTO WE53

SDG: WE53-7

Lab ID : WG145731-2

Analytical Date: 07/01/14 13:32

Lab File ID : U6231.D

Instrument ID: GCMS-U

Initial Calibration Date(s): 06/30/14 10:09 06/30/14 13:49

Column ID:

Compound	RRF/Amount	RF50	CCAL RRF50	Min	%D/ %Drift	Max %D/ %Drift	Curve Type
11 Benzaldehyde	0.13709	0.14731	0.14731	0.010	7.46012	20.00000	Averaged
15 Phenol	1.45953	1.66962	1.66962	0.010	14.39388	20.01000	Averaged
36 Isophorone	0.60343	0.67892	0.67892	0.010	12.50947	20.00000	Averaged
37 2-Nitrophenol	0.16860	0.18706	0.18706	0.010	10.94714	20.01000	Averaged
38 2,4-Dimethylphenol	0.30112	0.32656	0.32656	0.010	8.44764	20.00000	Averaged
40 Bis(2-Chloroethoxy)methane	0.42101	0.50522	0.50522	0.010	20.00318	20.00000	Averaged *
41 2,4-Dichlorophenol	0.26118	0.29394	0.29394	0.010	12.54222	20.01000	Averaged
52 Caprolactam	0.08549	0.09581	0.09581	0.010	12.06775	20.00000	Averaged
54 4-Chloro-3-Methylphenol	0.24718	0.28454	0.28454	0.010	15.11186	20.01000	Averaged
56 2-Methylnaphthalene	0.56427	0.62014	0.62014	0.010	9.90173	20.00000	Averaged
60 Hexachlorocyclopentadiene	0.33576	0.36346	0.36346	0.050	8.24890	20.00000	Averaged
62 2,4,5-Trichlorophenol	0.36428	0.42237	0.42237	0.010	15.94626	20.00000	Averaged
69 2-Nitroaniline	0.30660	0.34215	0.34215	0.010	11.59816	20.00000	Averaged
73 Dimethyl Phthalate	1.09743	1.23280	1.23280	0.010	12.33575	20.00000	Averaged
75 Acenaphthylene	1.45382	1.68884	1.68884	0.010	16.16599	20.00000	Averaged
77 3-Nitroaniline	0.24653	0.26168	0.26168	0.010	6.14774	20.00000	Averaged
82 Dibenzofuran	1.30756	1.49842	1.49842	0.010	14.59687	20.00000	Averaged
83 4-Nitrophenol	0.17437	0.17288	0.17288	0.050	-0.85471	20.00000	Averaged
89 Diethylphthalate	1.05998	1.17950	1.17950	0.010	11.27593	20.00000	Averaged
90 Fluorene	1.06303	1.20407	1.20407	0.010	13.26855	20.00000	Averaged
91 4-Chlorophenyl-phenylether	0.50511	0.55596	0.55596	0.010	10.06774	20.00000	Averaged
105 4-Bromophenyl-phenylether	0.20525	0.22997	0.22997	0.010	12.04289	20.00000	Averaged
115 Phenanthrene	0.91403	0.98340	0.98340	0.010	7.58918	20.00000	Averaged
116 Anthracene	0.88053	0.96016	0.96016	0.010	9.04395	20.00000	Averaged
119 Carbazole	0.77103	0.75285	0.75285	0.010	-2.35751	20.00000	Averaged
126 Fluoranthene	0.85648	0.78159	0.78159	0.010	-8.74300	20.01000	Averaged
128 Pyrene	1.32839	1.58883	1.58883	0.010	19.60545	20.00000	Averaged
142 Chrysene	0.83327	0.94435	0.94435	0.010	13.33021	20.00000	Averaged
143 bis(2-Ethylhexyl)phthalate	0.79644	0.92563	0.92563	0.010	16.22138	20.00000	Averaged
144 Di-n-octylphthalate	1.66660	1.94710	1.94710	0.010	16.83093	20.01000	Averaged
147 Benzo(k)fluoranthene	1.03188	1.13452	1.13452	0.010	9.94695	20.00000	Averaged
154 Dibenzo(a,h)anthracene	0.56907	0.54665	0.54665	0.010	-3.93897	20.00000	Averaged
155 Benzo(g,h,i)perylene	0.60567	0.60554	0.60554	0.010	-0.02257	20.00000	Averaged
8 2-Fluorophenol	1.14155	1.29229	1.29229	0.010	13.20448	20.00000	Averaged
13 Phenol-D6	1.39852	1.53388	1.53388	0.010	9.67862	20.00000	Averaged
33 Nitrobenzene-D5	0.31827	0.34638	0.34638	0.010	8.83355	20.00000	Averaged
63 2-Fluorobiphenyl	1.07589	1.20810	1.20810	0.010	12.28842	20.00000	Averaged
100 2,4,6-Tribromophenol	0.16912	0.17418	0.17418	0.010	2.99110	20.00000	Averaged
129 Terphenyl-D14	0.85816	0.97354	0.97354	0.010	13.44500	20.00000	Averaged

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services	SDG: WE53-7
Project : NCTAMSLANT Cutler CTO WE53	Analytical Date: 07/01/14 13:32
Lab ID : WG145731-2	Instrument ID: GCMS-U
Lab File ID : U6231.D	Column ID:
Initial Calibration Date(s): 06/30/14 10:09 06/30/14 13:49	

* = Compound out of QC criteria

Data File: \\target_server\gg\chem\gcms-u.i\U070114.b\U6231.D
 Report Date: 16-Jul-2014 07:33

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-u.i\U070114.b\U6231.D
 Lab Smp Id: WG145731-2
 Inj Date : 01-JUL-2014 13:32 MS Autotune Date: 26-OCT-2013 10:51
 Operator : JCG Inst ID: gcms-u.i
 Smp Info : WG145731-2,WE53-7
 Misc Info : WG145731,WG145380,WG145667-4,SH4521-2
 Comment :
 Method : \\target_server\gg\chem\gcms-u.i\U070114.b\U8270C59.m
 Meth Date : 15-Jul-2014 15:28 gcms-u.i Quant Type: ISTD
 Cal Date : 30-JUN-2014 13:49 Cal File: U6205.D
 Als bottle: 2 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.12

Concentration Formula: Amt * DF * Uf*(Vt/Vo*Vi)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG						AMOUNTS		REVIEW CODE
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
1 1,4-Dioxane	58			3.068	3.068	(0.271)	145065	50.0000	59.1	
2 N-Nitrosodimethylamine	42			3.524	3.524	(0.413)	209247	50.0000	53.1	
3 Pyridine	79			3.555	3.555	(0.417)	602290	50.0000	59.3	
4 Ethyl Methacrylate	69			4.310	4.310	(0.506)	416605	50.0000	57.4	
5 2-Picoline	93			4.807	4.807	(0.564)	551754	50.0000	60.3	
6 N-Nitrosomethylethylamine	88			5.045	5.045	(0.592)	230876	50.0000	57.5	
7 Methyl Methanesulfonate	80			5.625	5.625	(0.660)	316311	50.0000	52.8	
\$ 8 2-Fluorophenol	112			5.987	5.987	(0.702)	494545	50.0000	56.6	
9 N-Nitrosodiethylamine	102			6.370	6.370	(0.747)	226068	50.0000	56.8	
10 Ethyl Methanesulfonate	79			7.032	7.032	(0.825)	404695	50.0000	54.4	
11 Benzaldehyde	77			7.612	7.612	(0.893)	56375	50.0000	53.7	
12 Aniline	93			7.860	7.860	(0.922)	811096	50.0000	56.2	
\$ 13 Phenol-D6	99			7.933	7.933	(0.931)	586999	50.0000	54.8	
14 Pentachloroethane	117			7.912	7.912	(0.928)	184984	50.0000	56.4	
15 Phenol	94			7.954	7.954	(0.933)	638945	50.0000	57.2	
16 Bis(2-Chloroethyl)ether	93			8.047	8.047	(0.944)	500496	50.0000	55.7	
17 2-Chlorophenol	128			8.109	8.109	(0.951)	509139	50.0000	55.4	
18 1,3-Dichlorobenzene	146			8.399	8.399	(0.985)	569787	50.0000	56.5	
* 19 1,4-Dichlorobenzene-D4	152			8.523	8.523	(1.000)	306152	40.0000		
20 1,4-Dichlorobenzene	146			8.564	8.564	(1.005)	564549	50.0000	55.2	
21 1,2-Dichlorobenzene	146			8.875	8.875	(1.041)	538267	50.0000	54.9	

Data File: \\target_server\gg\chem\gcms-u.i\U070114.b\U6231.D
Report Date: 16-Jul-2014 07:33

Compounds	QUANT SIG				RESPONSE	AMOUNTS		REVIEW CODE
	MASS	RT	EXP RT	REL RT		CAL-AMT (ug/ml)	ON-COL (ug/ml)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
22 Benzyl alcohol	108	8.916	8.916	(1.046)	338749	50.0000	55.9	
23 2-Methylphenol	108	9.227	9.227	(1.083)	466920	50.0000	54.8 (M)	M9
24 Bis(2-Chloroisopropyl)ether	45	9.237	9.237	(1.084)	611306	50.0000	56.2	
25 2,2'-Oxybis(1-chloropropane)	45	9.237	9.237	(1.084)	611306	50.0000	56.3	
26 N-Nitrosopyrrolidine	100	9.413	9.413	(1.104)	254353	50.0000	59.1	
27 Acetophenone	105	9.444	9.444	(0.833)	664450	50.0000	55.7	
28 N-Nitrosomorpholine	56	9.496	9.496	(1.114)	274732	50.0000	56.9	
29 o-Toluidine	106	9.527	9.527	(1.118)	626107	50.0000	54.8	
30 N-Nitroso-di-n-propylamine	70	9.527	9.527	(1.118)	356365	50.0000	54.2	
31 3&4-Methylphenol	108	9.599	9.599	(1.126)	475574	50.0000	54.6	
32 Hexachloroethane	117	9.599	9.599	(1.126)	219889	50.0000	54.4	
\$ 33 Nitrobenzene-D5	82	9.744	9.744	(0.859)	528492	50.0000	54.4	
34 Nitrobenzene	77	9.785	9.785	(0.863)	501917	50.0000	53.1	
35 N-Nitrosopiperidine	114	10.127	10.127	(0.893)	238365	50.0000	57.9	
36 Isophorone	82	10.365	10.365	(0.914)	1035864	50.0000	56.2	
37 2-Nitrophenol	139	10.510	10.510	(0.927)	285409	50.0000	55.5	
38 2,4-Dimethylphenol	107	10.758	10.758	(0.949)	498250	50.0000	54.2	
39 O,O,O-Triethylphosphorothioat	198	10.924	10.924	(0.963)	222708	50.0000	55.9	
40 Bis(2-Chloroethoxy)methane	93	10.945	10.945	(0.965)	770846	50.0000	60.0	
41 2,4-Dichlorophenol	162	11.100	11.100	(0.979)	448480	50.0000	56.3	
42 Benzoic acid	122	11.141	11.141	(0.983)	247759	50.0000	59.8 (M)	M9
43 1,2,4-Trichlorobenzene	180	11.245	11.245	(0.992)	431254	50.0000	54.9	
* 44 Naphthalene-D8	136	11.338	11.338	(1.000)	1220603	40.0000		
45 Naphthalene	128	11.379	11.379	(1.004)	1323834	50.0000	55.9	
46 4-Chloroaniline	127	11.597	11.597	(1.023)	552466	50.0000	56.7	
47 2,6-Dichlorophenol	162	11.607	11.607	(1.024)	378510	50.0000	54.4	
48 Hexachloropropene	213	11.628	11.628	(1.026)	294162	50.0000	53.5	
49 A,A-Dimethylphenethylamine	58	11.659	11.659	(1.028)	892462	50.0000	60.5 (M)	M9
50 Hexachlorobutadiene	225	11.773	11.773	(1.038)	247908	50.0000	52.2	
51 p-Phenylenediamine	108	12.466	12.466	(1.099)	307357	50.0000	50.2	
52 Caprolactam	113	12.487	12.487	(1.101)	146175	50.0000	56.0	
53 N-Nitroso-Di-N-Butylamine	84	12.487	12.487	(1.101)	401132	50.0000	58.8	
54 4-Chloro-3-Methylphenol	107	12.870	12.870	(1.135)	434131	50.0000	57.6	
55 Isosafrole	162	12.901	12.901	(1.138)	377249	50.0000	55.1	
56 2-Methylnaphthalene	142	13.015	13.015	(1.148)	946179	50.0000	55.0	
57 1-Methylnaphthalene	142	13.232	13.232	(1.167)	876622	50.0000	54.6	
59 1,2,4,5-Tetrachlorobenzene	216	13.429	13.429	(0.869)	413423	50.0000	56.5	
60 Hexachlorocyclopentadiene	237	13.449	13.449	(0.871)	289596	50.0000	54.1	
61 2,4,6-Trichlorophenol	196	13.750	13.750	(0.890)	315194	50.0000	57.4	
62 2,4,5-Trichlorophenol	196	13.843	13.843	(0.896)	336538	50.0000	58.0	
\$ 63 2-Fluorobiphenyl	172	13.957	13.957	(0.904)	962601	50.0000	56.1	
64 Safrole	104	14.122	14.122	(0.914)	160721	50.0000	55.8	
65 2-Chloronaphthalene	162	14.133	14.133	(0.915)	1215347	50.0000	55.2	
66 1,1'-Biphenyl	154	14.153	14.153	(0.916)	931701	50.0000	56.5	
67 1-Chloronaphthalene	162	14.184	14.184	(0.918)	827974	50.0000	57.3	
68 Diphenylether	170	14.422	14.422	(0.934)	581823	50.0000	57.2	
69 2-Nitroaniline	65	14.464	14.464	(0.936)	272624	50.0000	55.8	
70 1,4-Naphthoquinone	158	14.578	14.578	(0.944)	268210	50.0000	70.2	
71 1,4-Dinitrobenzene	75	14.785	14.785	(0.957)	165038	50.0000	56.4	
72 1,3-Dinitrobenzene	168	14.981	14.981	(0.970)	156387	50.0000	56.0	
73 Dimethyl Phthalate	163	15.002	15.002	(0.971)	982281	50.0000	56.2	
74 2,6-Dinitrotoluene	165	15.074	15.074	(0.976)	220844	50.0000	56.5	
75 Acenaphthylene	152	15.095	15.095	(0.977)	1345646	50.0000	58.1	
76 1,2-Dinitrobenzene	50	15.168	15.168	(0.982)	108857	50.0000	54.6	

DJP

7:35 am, Jul 16, 2014

Data File: \\target_server\gg\chem\gcms-u.i\U070114.b\U6231.D
 Report Date: 16-Jul-2014 07:33

Compounds	QUANT SIG				RESPONSE	AMOUNTS		REVIEW CODE
	MASS	RT	EXP RT	REL RT		CAL-AMT (ug/ml)	ON-COL (ug/ml)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
77 3-Nitroaniline	138	15.447	15.447	(1.000)	208507	50.0000	53.1	
* 78 Acenaphthene-D10	164	15.447	15.447	(1.000)	637429	40.0000		
79 Acenaphthene	153	15.519	15.519	(1.005)	827376	50.0000	58.0	
80 2,4-Dinitrophenol	184	15.706	15.706	(1.017)	120859	50.0000	55.3	
81 Pentachlorobenzene	250	15.871	15.871	(1.027)	360272	50.0000	54.7	
82 Dibenzofuran	168	15.944	15.944	(1.032)	1193922	50.0000	57.3	
83 4-Nitrophenol	139	16.027	16.027	(1.038)	137748	50.0000	49.6	
84 2,4-Dinitrotoluene	165	16.027	16.027	(1.038)	269208	50.0000	54.2	
85 1-Naphthylamine	143	16.140	16.140	(1.045)	774410	50.0000	56.5	
86 2,3,5,6-Tetrachlorophenol	232	16.203	16.203	(1.049)	241475	50.0000	54.6	
87 2,3,4,6-Tetrachlorophenol	232	16.306	16.306	(1.056)	229422	50.0000	53.3	
88 2-Naphthylamine	143	16.337	16.337	(1.058)	710278	50.0000	54.9	
89 Diethylphthalate	149	16.699	16.699	(1.081)	939808	50.0000	55.6	
90 Fluorene	166	16.751	16.751	(1.084)	959390	50.0000	56.6	
91 4-Chlorophenyl-phenylether	204	16.834	16.834	(1.090)	442984	50.0000	55.0	
92 5-Nitro-O-Toluidine	152	16.865	16.865	(1.092)	181920	50.0000	51.7	
93 O,O-diethyl-o-2-pyrazinylphos	107	16.875	16.875	(1.092)	171456	50.0000	55.6	
94 4-Nitroaniline	138	16.906	16.906	(1.094)	155369	50.0000	47.9	
95 4,6-Dinitro-2-Methylphenol	198	16.979	16.979	(0.896)	148436	50.0000	53.9	
96 N-Nitrosodiphenylamine	169	17.144	17.144	(0.905)	751817	50.0000	57.3	
97 N-Nitrosodiphenylamine/DPA	169	17.144	17.144	(0.905)	751817	50.0000	57.3	
98 1,2-Diphenylhydrazine	77	17.207	17.207	(0.908)	983057	50.0000	58.8	
99 Azobenzene	77	17.207	17.207	(0.908)	983057	50.0000	58.9	
\$ 100 2,4,6-Tribromophenol	330	17.331	17.331	(1.122)	138783	50.0000	51.5	
101 Sulfotepp	97	17.672	17.672	(0.933)	156660	50.0000	55.5	
102 1,3,5-Trinitrobenzene	213	17.869	17.869	(0.943)	46559	50.0000	44.5	
103 Diallate	86	17.900	17.900	(0.945)	360109	50.0000	59.0	
104 Phorate	75	17.890	17.890	(0.944)	660012	50.0000	57.6	
105 4-Bromophenyl-phenylether	248	17.983	17.983	(0.949)	253224	50.0000	56.0	
106 Phenacetin	108	18.014	18.014	(0.951)	290750	50.0000	46.5	
107 Hexachlorobenzene	284	18.066	18.066	(0.954)	293899	50.0000	55.3	
108 Dimethoate	87	18.262	18.262	(0.964)	250512	50.0000	49.0	
109 Atrazine	200	18.531	18.531	(0.978)	176348	50.0000	50.9	
110 Pentachlorophenol	266	18.583	18.583	(0.981)	147939	50.0000	48.7	
111 4-Aminobiphenyl	169	18.604	18.604	(0.982)	575729	50.0000	51.6	
112 Pentachloronitrobenzene	237	18.604	18.604	(0.982)	91286	50.0000	49.8	
113 Pronamide	173	18.904	18.904	(0.998)	322345	50.0000	50.2	
* 114 Phenanthrene-D10	188	18.945	18.945	(1.000)	880888	40.0000		
115 Phenanthrene	178	18.997	18.997	(1.003)	1082830	50.0000	53.8	
116 Anthracene	178	19.111	19.111	(1.009)	1057246	50.0000	54.5	
117 Dinoseb	211	19.132	19.132	(1.010)	157717	50.0000	48.1	
118 Disulfoton	88	19.142	19.142	(1.010)	487904	50.0000	56.7	
119 Carbazole	167	19.556	19.556	(1.032)	828974	50.0000	48.8	
120 Methyl Parathion	109	19.991	19.991	(1.055)	209310	50.0000	48.3	
121 Di-n-butylphthalate	149	20.632	20.632	(1.089)	1166429	50.0000	49.1	
122 4-Nitroquinoline-1-Oxide	190	20.860	20.860	(1.101)	40945	50.0000	35.5	
123 Ethyl Parathion	291	20.974	20.974	(1.107)	52168	50.0000	42.4	
124 Methapyrilene	97	20.974	20.974	(1.107)	130703	50.0000	44.6	
125 Isodrin	193	21.450	21.450	(1.132)	138964	50.0000	52.2	
126 Fluoranthene	202	21.802	21.802	(1.151)	860622	50.0000	45.6	
127 Benzidine	184	22.247	22.247	(0.882)	128285	50.0000	53.6	
128 Pyrene	202	22.309	22.309	(0.885)	863681	50.0000	59.8	
\$ 129 Terphenyl-D14	244	22.858	22.858	(0.906)	529213	50.0000	56.7	
130 Aramite	185	23.148	23.148	(0.918)	50808	50.0000	58.8	

Compounds	QUANT SIG				RESPONSE	AMOUNTS		REVIEW CODE
	MASS	RT	EXP RT	REL RT		CAL-AMT (ug/ml)	ON-COL (ug/ml)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
131 p-Dimethylaminoazobenzene	225	23.210	23.210	(0.920)	125443	50.0000	56.5	
132 Chlorobenzilate	251	23.386	23.386	(0.927)	200085	50.0000	54.5	
134 3,3'-Dimethylbenzidine	212	24.007	24.007	(0.952)	126012	50.0000	49.5	
135 Butylbenzylphthalate	149	24.151	24.151	(0.958)	355905	50.0000	56.5	
136 Bis(2-ethylhexyl)adipate	129	24.514	24.514	(0.972)	336575	50.0000	59.9	
137 2-Acetylaminofluorene	181	24.586	24.586	(0.975)	165056	50.0000	53.2	
138 Famphur	218	25.062	25.062	(0.994)	18842	50.0000	(a)	
139 Benzo(a)anthracene	228	25.186	25.186	(0.999)	553824	50.0000	54.9	
* 140 Chrysene-D12	240	25.218	25.218	(1.000)	434876	40.0000		
141 3,3'-Dichlorobenzidine	252	25.249	25.249	(1.001)	155983	50.0000	54.2	
142 Chrysene	228	25.269	25.269	(1.002)	513345	50.0000	56.7	
143 bis(2-Ethylhexyl)phthalate	149	25.652	25.652	(1.017)	503170	50.0000	58.1	
144 Di-n-octylphthalate	149	27.112	27.112	(0.957)	752739	50.0000	58.4	
145 Benzo(b)fluoranthene	252	27.577	27.577	(0.973)	424822	50.0000	54.9	
146 7,12-Dimethylbenz(a)anthracen	256	27.598	27.598	(0.974)	214878	50.0000	57.1	
147 Benzo(k)fluoranthene	252	27.639	27.639	(0.976)	438598	50.0000	55.0 (H)	
148 Benzo(a)pyrene	252	28.219	28.219	(0.996)	365621	50.0000	54.4	
* 149 Perylene-D12	264	28.333	28.333	(1.000)	309276	40.0000		
150 3-Methylcholanthrene	268	28.954	28.954	(1.022)	166466	50.0000	54.8	
152 Dibenz(a,j)acridine	279	30.134	30.134	(1.064)	171667	50.0000	48.1	
153 Indeno(1,2,3-cd)pyrene	276	30.475	30.475	(1.076)	213779	50.0000	48.6	
154 Dibenzo(a,h)anthracene	278	30.558	30.558	(1.079)	211334	50.0000	48.0	
155 Benzo(g,h,i)perylene	276	31.065	31.065	(1.096)	234097	50.0000	50.0	
M 156 Total PAHs	100				13098846	850.000	(a)	

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: \\target_server\gs\chem\goms-u,i\U070114,b\U6231.D

Date : 01-JUL-2014 13:32

Client ID:

Sample Info: WJ45731-2,ME53-7

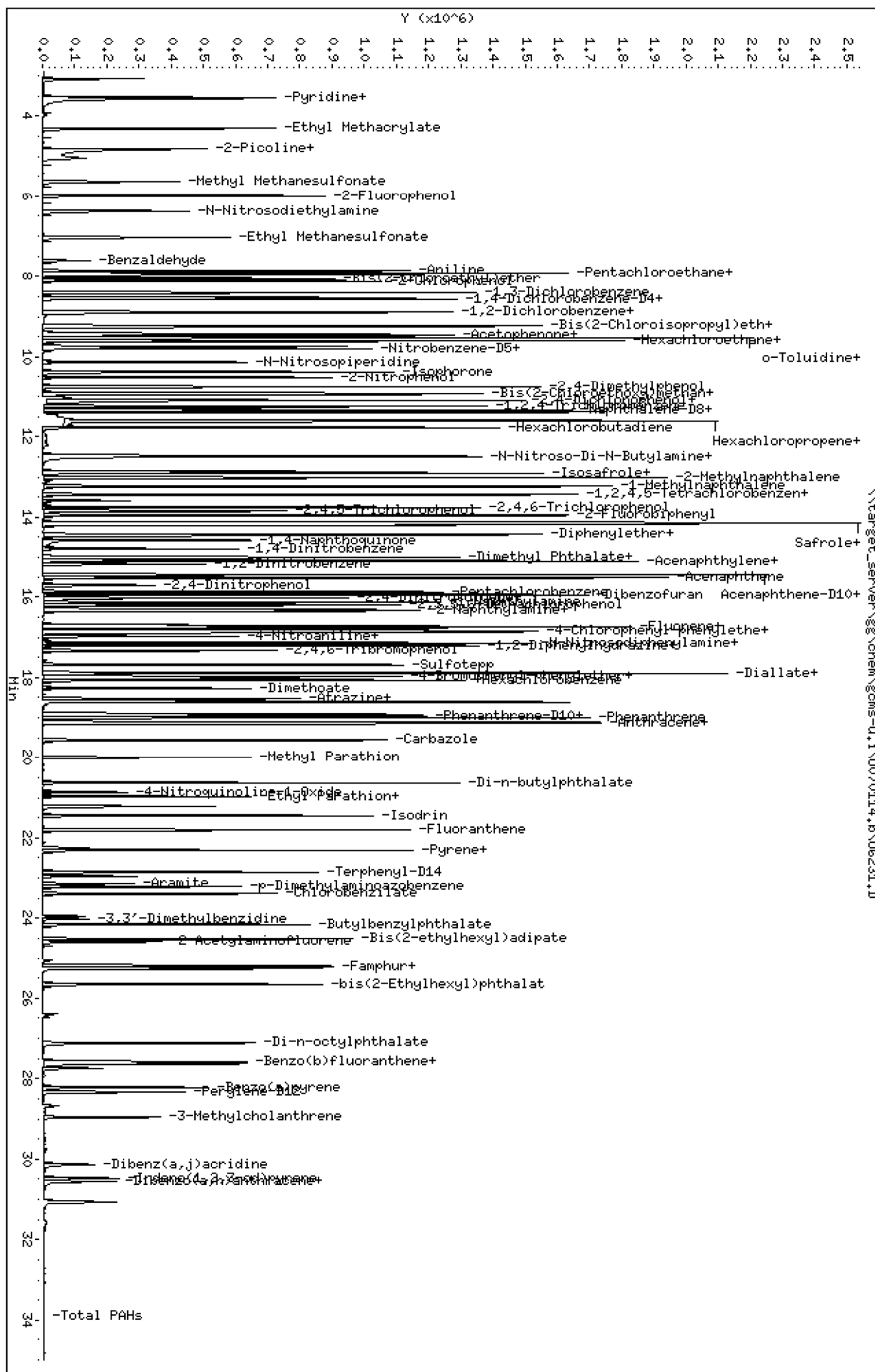
Volume Injected (uL): 1.0

Column phase: ZB5-MS

Instrument: goms-u,i

Operator: JCG

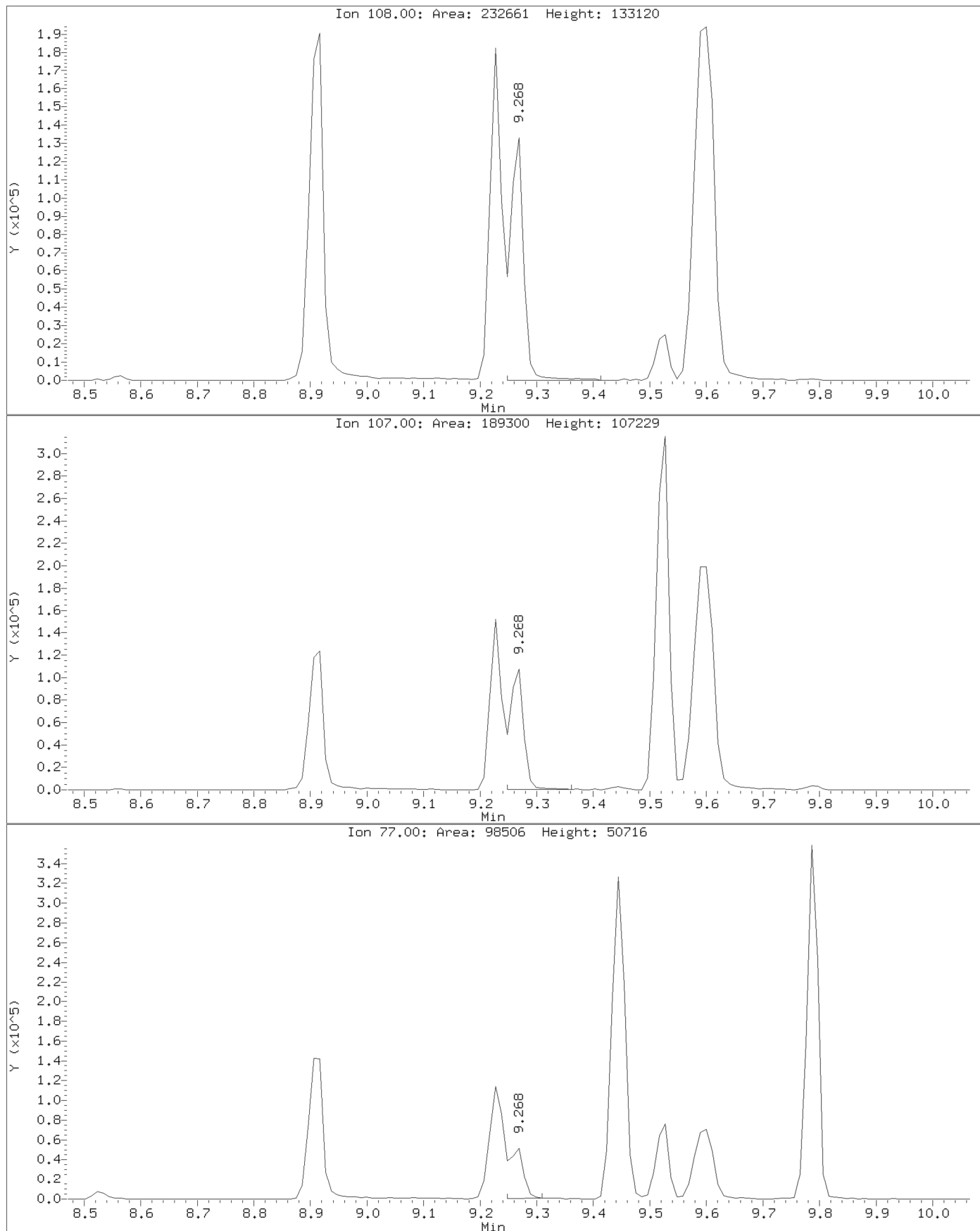
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Injection Date: 01-JUL-2014 13:32
Instrument: gcms-u.i
Client Sample ID:

BEFORE MANUAL INTEGRATION

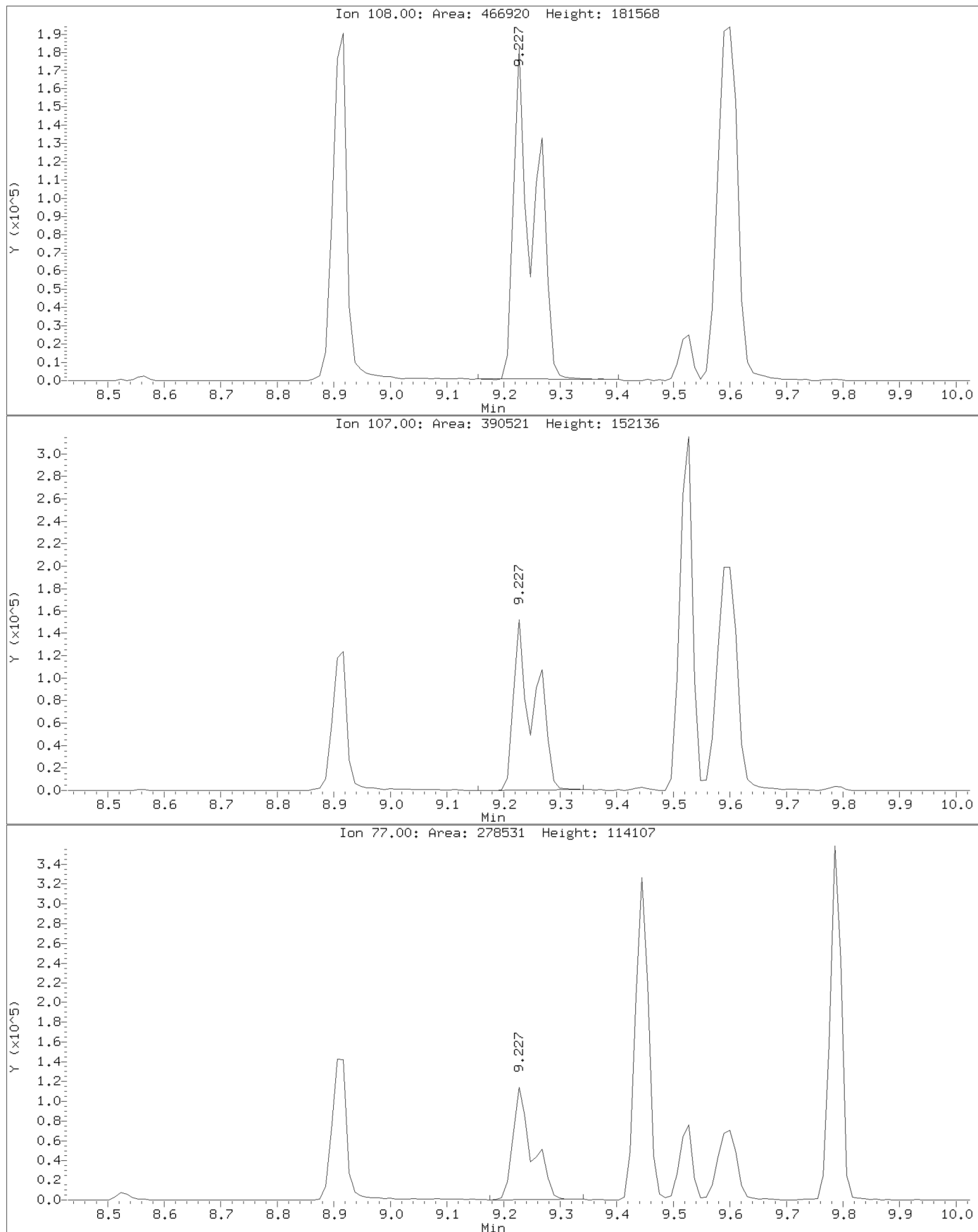
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CAS Number: 95-48-7



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Injection Date: 01-JUL-2014 13:32
Instrument: gcms-u.i
Client Sample ID:

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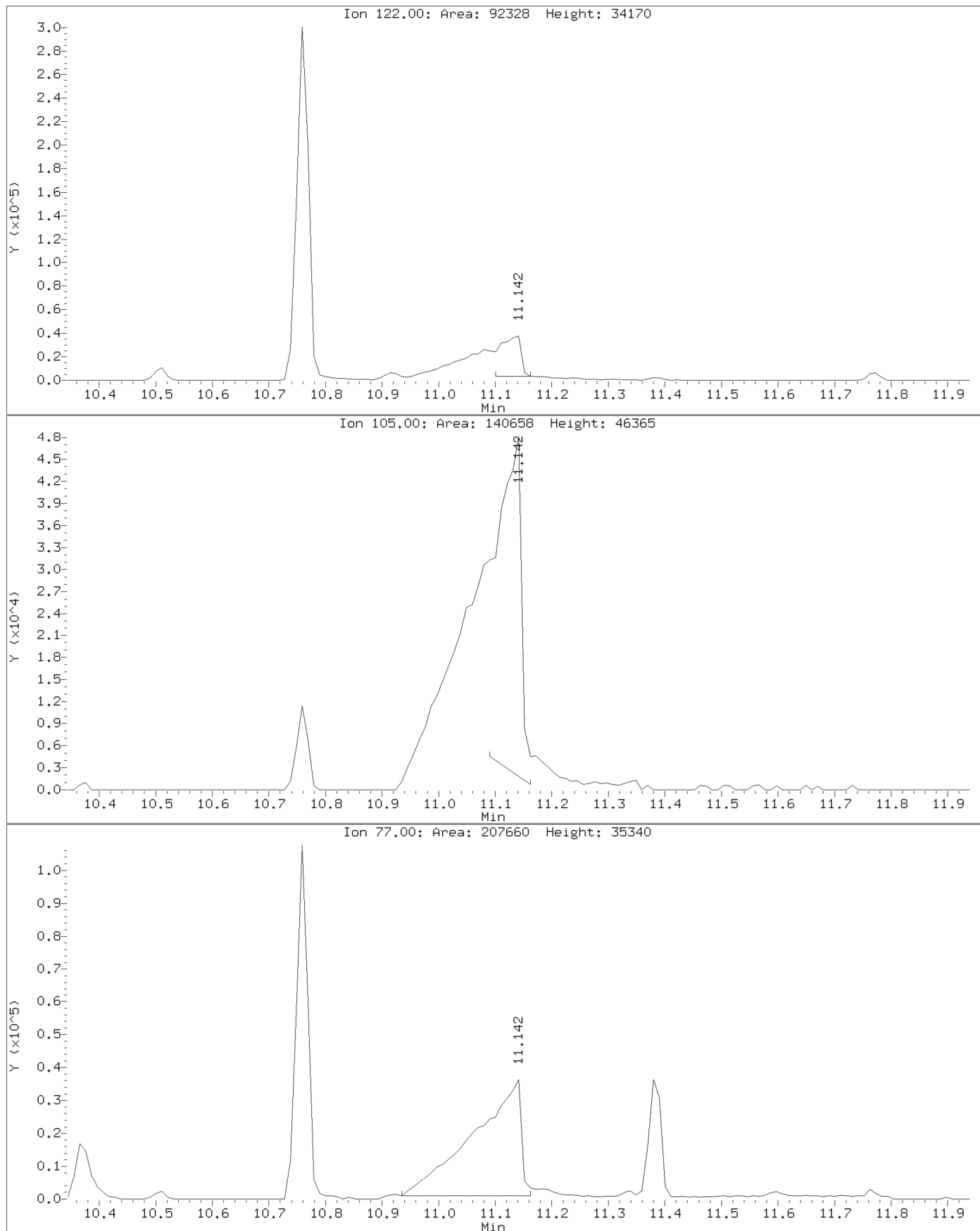
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CAS Number: 95-48-7



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Injection Date: 01-JUL-2014 13:32
Instrument: gcms-u.i
Client Sample ID:

Compound: Benzoic acid
CAS Number: 65-85-0

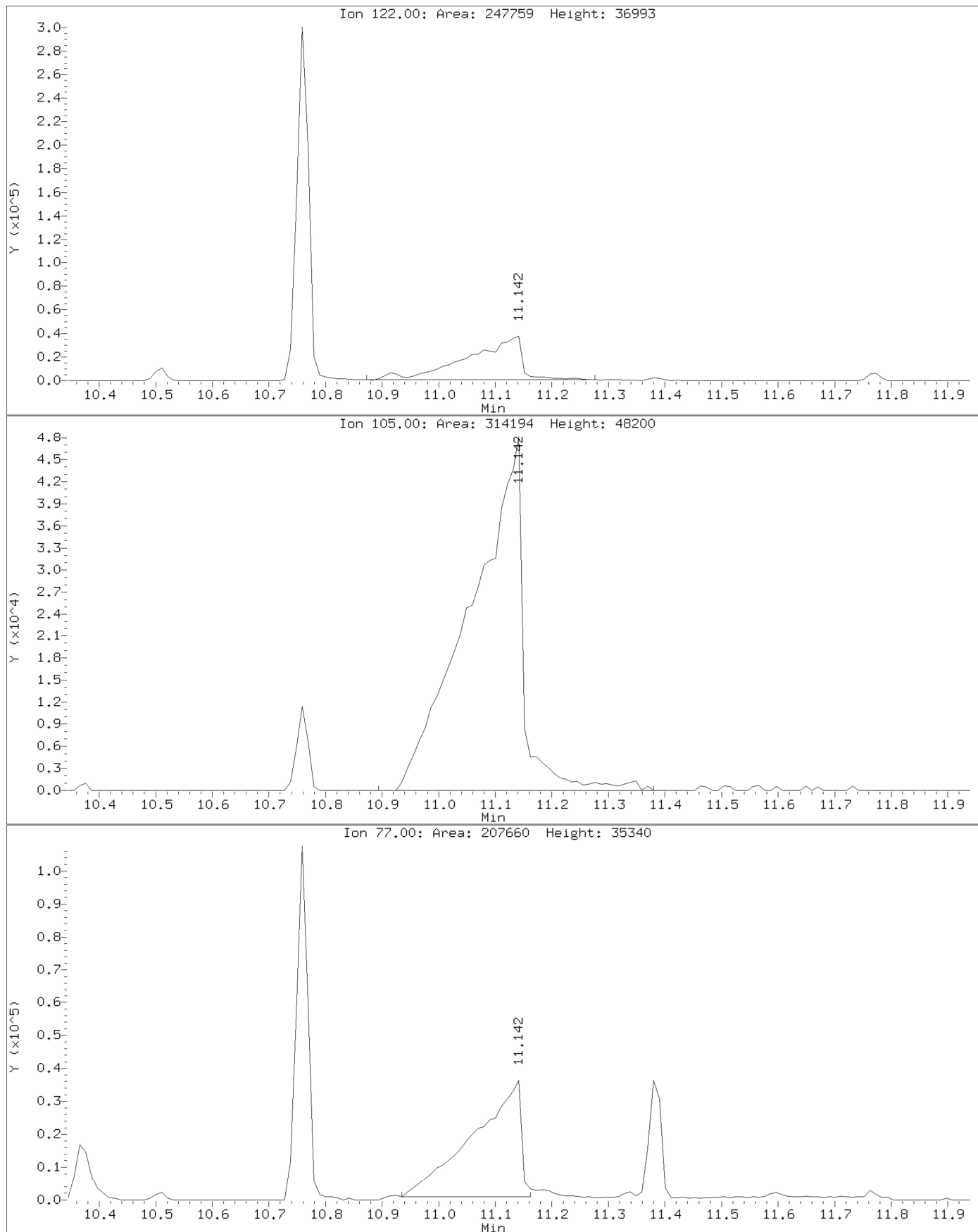
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Data File: \\target_server\gg\chem\gcms-u.i\U070114.b\U6231.D
Injection Date: 01-JUL-2014 13:32
Instrument: gcms-u.i
Client Sample ID:

AFTER MANUAL INTEGRATION

Compound: Benzoic acid
CAS Number: 65-85-0



Form 7

Calibration Verification Summary

Lab Name : Katahdin Analytical Services

Project : NCTAMSLANT Cutler CTO WE53

SDG: WE53-7

Lab ID : WG145924-2

Analytical Date: 07/03/14 16:01

Lab File ID : U6274.D

Instrument ID: GCMS-U

Initial Calibration Date(s): 07/03/14 10:31 07/03/14 14:15

Column ID:

Compound	RRF/Amount	RF50	CCAL RRF50	Min	%D/ %Drift	Max %D/ %Drift	Curve Type
11 Benzaldehyde	0.66318	0.74182	0.74182	0.010	11.85663	20.00000	Averaged
15 Phenol	1.52318	1.66786	1.66786	0.010	9.49821	20.01000	Averaged
23 2-Methylphenol	1.20141	1.29530	1.29530	0.010	7.81524	20.00000	Averaged
27 Acetophenone	0.43436	0.47206	0.47206	0.010	8.67733	20.00000	Averaged
36 Isophorone	0.62758	0.69278	0.69278	0.010	10.38922	20.00000	Averaged
37 2-Nitrophenol	0.17510	0.19186	0.19186	0.010	9.56944	20.01000	Averaged
38 2,4-Dimethylphenol	0.33185	0.35940	0.35940	0.010	8.30160	20.00000	Averaged
40 Bis(2-Chloroethoxy)methane	0.43316	0.49012	0.49012	0.010	13.14875	20.00000	Averaged
52 Caprolactam	0.08672	0.09064	0.09064	0.010	4.51844	20.00000	Averaged
54 4-Chloro-3-Methylphenol	0.27066	0.29640	0.29640	0.010	9.51148	20.01000	Averaged
62 2,4,5-Trichlorophenol	0.37531	0.42065	0.42065	0.010	12.08127	20.00000	Averaged
65 2-Chloronaphthalene	1.46273	1.66609	1.66609	0.010	13.90325	20.00000	Averaged
73 Dimethyl Phthalate	1.14610	1.30412	1.30412	0.010	13.78766	20.00000	Averaged
75 Acenaphthylene	1.69138	1.92458	1.92458	0.010	13.78795	20.00000	Averaged
79 Acenaphthene	1.03549	1.16615	1.16615	0.010	12.61731	20.01000	Averaged
83 4-Nitrophenol	0.21897	0.25792	0.25792	0.050	17.78753	20.00000	Averaged
87 2,3,4,6-Tetrachlorophenol	0.29433	0.32565	0.32565	0.010	10.64284	20.00000	Averaged
89 Diethylphthalate	1.23031	1.38223	1.38223	0.010	12.34814	20.00000	Averaged
90 Fluorene	1.10365	1.24309	1.24309	0.010	12.63367	20.00000	Averaged
91 4-Chlorophenyl-phenylether	0.52277	0.58456	0.58456	0.010	11.81989	20.00000	Averaged
96 N-Nitrosodiphenylamine	0.53930	0.58233	0.58233	0.010	7.97971	20.01000	Averaged
105 4-Bromophenyl-phenylether	0.19337	0.20840	0.20840	0.010	7.77576	20.00000	Averaged
116 Anthracene	0.92755	1.00823	1.00823	0.010	8.69824	20.00000	Averaged
119 Carbazole	0.76156	0.84011	0.84011	0.010	10.31452	20.00000	Averaged
121 Di-n-butylphthalate	1.17653	1.24919	1.24919	0.010	6.17603	20.00000	Averaged
126 Fluoranthene	0.87103	0.93211	0.93211	0.010	7.01266	20.01000	Averaged
135 Butylbenzylphthalate	0.67069	0.62561	0.62561	0.010	-6.72149	20.00000	Averaged
144 Di-n-octylphthalate	2.06792	1.71322	1.71322	0.010	-17.15238	20.01000	Averaged
147 Benzo(k)fluoranthene	1.08703	0.99555	0.99555	0.010	-8.41575	20.00000	Averaged
155 Benzo(g,h,i)perylene	0.53867	0.60661	0.60661	0.010	12.61224	20.00000	Averaged
8 2-Fluorophenol	1.24880	1.39427	1.39427	0.010	11.64847	20.00000	Averaged
13 Phenol-D6	1.38761	1.52154	1.52154	0.010	9.65243	20.00000	Averaged
33 Nitrobenzene-D5	0.33793	0.37012	0.37012	0.010	9.52455	20.00000	Averaged
63 2-Fluorobiphenyl	1.12476	1.30074	1.30074	0.010	15.64586	20.00000	Averaged
100 2,4,6-Tribromophenol	0.19748	0.22396	0.22396	0.010	13.40842	20.00000	Averaged
129 Terphenyl-D14	0.95836	0.89668	0.89668	0.010	-6.43605	20.00000	Averaged

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services	SDG: WE53-7
Project : NCTAMSLANT Cutler CTO WE53	Analytical Date: 07/03/14 16:01
Lab ID : WG145924-2	Instrument ID: GCMS-U
Lab File ID : U6274.D	Column ID:
Initial Calibration Date(s): 07/03/14 10:31 07/03/14 14:15	

* = Compound out of QC criteria

Data File: \\target_server\gg\chem\gcms-u.i\U070314B.b\U6274.D
 Report Date: 16-Jul-2014 07:26

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-u.i\U070314B.b\U6274.D
 Lab Smp Id: WG145924-2
 Inj Date : 03-JUL-2014 16:01 MS Autotune Date: 26-OCT-2013 10:51
 Operator : JCG Inst ID: gcms-u.i
 Smp Info : WG145924-2,WE53-7
 Misc Info : WG145924,WG145277,WG145897-4,SH4401-4
 Comment :
 Method : \\target_server\gg\chem\gcms-u.i\U070314B.b\U8270C60.m
 Meth Date : 16-Jul-2014 07:26 gcms-u.i Quant Type: ISTD
 Cal Date : 03-JUL-2014 14:15 Cal File: U6272.D
 Als bottle: 2 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.12

Concentration Formula: Amt * DF * Uf*(Vt/Vo*Vi)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG						AMOUNTS		REVIEW CODE
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)	
1 1,4-Dioxane	58			3.061	3.061	(0.270)	143158	50.0000	54.9	
2 N-Nitrosodimethylamine	42			3.517	3.517	(0.413)	264947	50.0000	55.6	
3 Pyridine	79			3.548	3.548	(0.417)	491503	50.0000	55.0	
4 Ethyl Methacrylate	69			4.303	4.303	(0.505)	366427	50.0000	56.5	
5 2-Picoline	93			4.790	4.790	(0.562)	484805	50.0000	59.0	
6 N-Nitrosomethylethylamine	88			5.038	5.038	(0.592)	208639	50.0000	57.9	
7 Methyl Methanesulfonate	80			5.618	5.618	(0.660)	284978	50.0000	53.2	
\$ 8 2-Fluorophenol	112			5.980	5.980	(0.702)	433204	50.0000	55.8	
9 N-Nitrosodiethylamine	102			6.363	6.363	(0.747)	217495	50.0000	54.8	
10 Ethyl Methanesulfonate	79			7.025	7.025	(0.825)	338708	50.0000	55.0	
11 Benzaldehyde	77			7.595	7.595	(0.892)	230485	50.0000	55.9	
12 Aniline	93			7.853	7.853	(0.922)	651941	50.0000	55.1	
\$ 13 Phenol-D6	99			7.926	7.926	(0.931)	472749	50.0000	54.8	
14 Pentachloroethane	117			7.905	7.905	(0.928)	165669	50.0000	56.0	
15 Phenol	94			7.947	7.947	(0.933)	518210	50.0000	54.7	
16 Bis(2-Chloroethyl)ether	93			8.040	8.040	(0.944)	409363	50.0000	55.6	
17 2-Chlorophenol	128			8.102	8.102	(0.951)	427954	50.0000	54.9	
18 1,3-Dichlorobenzene	146			8.392	8.392	(0.985)	480824	50.0000	55.2	
* 19 1,4-Dichlorobenzene-D4	152			8.516	8.516	(1.000)	248563	40.0000		
20 1,4-Dichlorobenzene	146			8.557	8.557	(1.005)	487260	50.0000	55.4	
21 1,2-Dichlorobenzene	146			8.868	8.868	(1.041)	461519	50.0000	54.8	

						AMOUNTS		
		QUANT SIG				CAL-AMT	ON-COL	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/ml)	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====
22 Benzyl alcohol	108	8.909	8.909	(1.046)	272174	50.0000	52.7	
23 2-Methylphenol	108	9.261	9.261	(1.088)	402455	50.0000	53.9 (M)	M9
24 Bis(2-Chloroisopropyl) ether	45	9.230	9.230	(1.084)	719173	50.0000	56.4	
25 2,2'-Oxybis(1-chloropropane)	45	9.230	9.230	(1.084)	719173	50.0000	56.4	
26 N-Nitrosopyrrolidine	100	9.416	9.416	(1.106)	208884	50.0000	55.7	
27 Acetophenone	105	9.437	9.437	(0.833)	589912	50.0000	54.3	
28 N-Nitrosomorpholine	56	9.489	9.489	(1.114)	320269	50.0000	55.6	
29 o-Toluidine	106	9.520	9.520	(1.118)	637999	50.0000	55.4	
30 N-Nitroso-di-n-propylamine	70	9.520	9.520	(1.118)	317661	50.0000	54.5	
31 3&4-Methylphenol	108	9.603	9.603	(1.128)	402073	50.0000	52.8	
32 Hexachloroethane	117	9.603	9.603	(1.128)	199942	50.0000	55.1	
\$ 33 Nitrobenzene-D5	82	9.737	9.737	(0.859)	462523	50.0000	54.8	
34 Nitrobenzene	77	9.778	9.778	(0.863)	456210	50.0000	54.8	
35 N-Nitrosopiperidine	114	10.120	10.120	(0.893)	218726	50.0000	54.8	
36 Isophorone	82	10.358	10.358	(0.914)	865747	50.0000	55.2	
37 2-Nitrophenol	139	10.503	10.503	(0.927)	239760	50.0000	54.8	
38 2,4-Dimethylphenol	107	10.751	10.751	(0.949)	449127	50.0000	54.2	
39 O,O,O-Triethylphosphorothioat	198	10.917	10.917	(0.963)	171218	50.0000	54.6	
40 Bis(2-Chloroethoxy)methane	93	10.938	10.938	(0.965)	612486	50.0000	56.6	
41 2,4-Dichlorophenol	162	11.093	11.093	(0.979)	339374	50.0000	56.7	
42 Benzoic acid	122	11.155	11.155	(0.984)	205685	50.0000	52.2	
43 1,2,4-Trichlorobenzene	180	11.238	11.238	(0.992)	368219	50.0000	55.2	
* 44 Naphthalene-D8	136	11.331	11.331	(1.000)	999733	40.0000		
45 Naphthalene	128	11.372	11.372	(1.004)	1133191	50.0000	54.7	
46 4-Chloroaniline	127	11.590	11.590	(1.023)	476801	50.0000	56.2	
47 2,6-Dichlorophenol	162	11.600	11.600	(1.024)	284882	50.0000	54.0	
48 Hexachloropropene	213	11.621	11.621	(1.026)	245945	50.0000	57.3	
49 A,A-Dimethylphenethylamine	58	11.642	11.642	(1.027)	1054353	50.0000	53.3 (M)	M6
50 Hexachlorobutadiene	225	11.766	11.766	(1.038)	208176	50.0000	55.3	
51 p-Phenylenediamine	108	12.459	12.459	(1.100)	327499	50.0000	55.0	
52 Caprolactam	113	12.490	12.490	(1.102)	113264	50.0000	52.2	
53 N-Nitroso-Di-N-Butylamine	84	12.480	12.480	(1.101)	364374	50.0000	62.8	
54 4-Chloro-3-Methylphenol	107	12.863	12.863	(1.135)	370406	50.0000	54.8	
55 Isosafrole	162	12.894	12.894	(1.138)	279740	50.0000	55.8	
56 2-Methylnaphthalene	142	13.008	13.008	(1.148)	797169	50.0000	55.0	
57 1-Methylnaphthalene	142	13.225	13.225	(1.167)	737627	50.0000	54.4	
59 1,2,4,5-Tetrachlorobenzene	216	13.422	13.422	(0.869)	323386	50.0000	58.1	
60 Hexachlorocyclopentadiene	237	13.442	13.442	(0.871)	255116	50.0000	60.3	
61 2,4,6-Trichlorophenol	196	13.743	13.743	(0.890)	231778	50.0000	58.0	
62 2,4,5-Trichlorophenol	196	13.836	13.836	(0.896)	238570	50.0000	56.0	
\$ 63 2-Fluorobiphenyl	172	13.950	13.950	(0.903)	737709	50.0000	57.8	
64 Safrole	104	14.115	14.115	(0.914)	152285	50.0000	58.1	
65 2-Chloronaphthalene	162	14.126	14.126	(0.915)	944918	50.0000	57.0	
66 1,1'-Biphenyl	154	14.146	14.146	(0.916)	797997	50.0000	56.5	
67 1-Chloronaphthalene	162	14.177	14.177	(0.918)	619033	50.0000	56.4	
68 Diphenylether	170	14.415	14.415	(0.934)	428274	50.0000	56.8	
69 2-Nitroaniline	65	14.457	14.457	(0.936)	273066	50.0000	56.7	
70 1,4-Naphthoquinone	158	14.560	14.560	(0.943)	166613	50.0000	56.5	
71 1,4-Dinitrobenzene	75	14.778	14.778	(0.957)	153255	50.0000	58.2	
72 1,3-Dinitrobenzene	168	14.974	14.974	(0.970)	117537	50.0000	57.0	
73 Dimethyl Phthalate	163	14.995	14.995	(0.971)	739629	50.0000	56.9	
74 2,6-Dinitrotoluene	165	15.067	15.067	(0.976)	164838	50.0000	57.2	
\$ 75 Acenaphthylene	152	15.088	15.088	(0.977)	1091519	50.0000	56.9	
76 1,2-Dinitrobenzene	50	15.161	15.161	(0.982)	135836	50.0000	56.8	

DJP

7:35 am, Jul 16, 2014

Data File: \\target_server\gg\chem\gcms-u.i\U070314B.b\U6274.D
 Report Date: 16-Jul-2014 07:26

Compounds	QUANT SIG				RESPONSE	AMOUNTS		REVIEW CODE
	MASS	RT	EXP RT	REL RT		CAL-AMT (ug/ml)	ON-COL (ug/ml)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
77 3-Nitroaniline	138	15.450	15.450	(1.001)	198084	50.0000	55.8	
* 78 Acenaphthene-D10	164	15.440	15.440	(1.000)	453717	40.0000		
79 Acenaphthene	153	15.512	15.512	(1.005)	661375	50.0000	56.3	
80 2,4-Dinitrophenol	184	15.699	15.699	(1.017)	109656	50.0000	57.6	
81 Pentachlorobenzene	250	15.864	15.864	(1.027)	285689	50.0000	56.3	
82 Dibenzofuran	168	15.937	15.937	(1.032)	890357	50.0000	57.0	
83 4-Nitrophenol	139	16.020	16.020	(1.038)	146276	50.0000	58.9	
84 2,4-Dinitrotoluene	165	16.020	16.020	(1.038)	213280	50.0000	55.6	
85 1-Naphthylamine	143	16.133	16.133	(1.045)	719901	50.0000	54.6	
86 2,3,5,6-Tetrachlorophenol	232	16.196	16.196	(1.049)	192221	50.0000	56.5	
87 2,3,4,6-Tetrachlorophenol	232	16.299	16.299	(1.056)	184691	50.0000	55.3	
88 2-Naphthylamine	143	16.340	16.340	(1.058)	708495	50.0000	54.9	
89 Diethylphthalate	149	16.692	16.692	(1.081)	783924	50.0000	56.2	
90 Fluorene	166	16.744	16.744	(1.084)	705012	50.0000	56.3	
91 4-Chlorophenyl-phenylether	204	16.827	16.827	(1.090)	331531	50.0000	55.9	
92 5-Nitro-O-Toluidine	152	16.858	16.858	(1.092)	196838	50.0000	56.1	
93 O,O-diethyl-o-2-pyrazinylphos	107	16.868	16.868	(1.093)	153118	50.0000	55.4	
94 4-Nitroaniline	138	16.899	16.899	(1.095)	162608	50.0000	54.5	
95 4,6-Dinitro-2-Methylphenol	198	16.972	16.972	(0.896)	128893	50.0000	55.9	
96 N-Nitrosodiphenylamine	169	17.137	17.137	(0.905)	568317	50.0000	54.0	
97 N-Nitrosodiphenylamine/DPA	169	17.137	17.137	(0.905)	568317	50.0000	54.0	
98 1,2-Diphenylhydrazine	77	17.200	17.200	(0.908)	841392	50.0000	53.9	
99 Azobenzene	77	17.200	17.200	(0.908)	841392	50.0000	53.9	
\$ 100 2,4,6-Tribromophenol	330	17.324	17.324	(1.122)	127016	50.0000	56.7	
101 Sulfotepp	97	17.665	17.665	(0.933)	136256	50.0000	53.4	
102 1,3,5-Trinitrobenzene	213	17.883	17.883	(0.944)	50607	50.0000	54.8	
103 Diallate	86	17.883	17.883	(0.944)	294761	50.0000	54.6	
104 Phorate	75	17.883	17.883	(0.944)	632676	50.0000	57.6 (H)	
105 4-Bromophenyl-phenylether	248	17.976	17.976	(0.949)	203388	50.0000	53.9	
106 Phenacetin	108	18.017	18.017	(0.951)	367653	50.0000	56.0	
107 Hexachlorobenzene	284	18.059	18.059	(0.954)	252240	50.0000	56.9	
108 Dimethoate	87	18.266	18.266	(0.964)	255702	50.0000	55.6	
109 Atrazine	200	18.535	18.535	(0.979)	154813	50.0000	55.7 (H)	
110 Pentachlorophenol	266	18.576	18.576	(0.981)	148534	50.0000	54.3	
111 4-Aminobiphenyl	169	18.597	18.597	(0.982)	583429	50.0000	50.5	
112 Pentachloronitrobenzene	237	18.597	18.597	(0.982)	84365	50.0000	53.2	
113 Pronamide	173	18.897	18.897	(0.998)	293257	50.0000	54.1	
* 114 Phenanthrene-D10	188	18.938	18.938	(1.000)	780749	40.0000		
115 Phenanthrene	178	18.990	18.990	(1.003)	1009128	50.0000	53.5	
116 Anthracene	178	19.104	19.104	(1.009)	983971	50.0000	54.3	
117 Dinoseb	211	19.125	19.125	(1.010)	149752	50.0000	54.4	
118 Disulfoton	88	19.135	19.135	(1.010)	432239	50.0000	55.2	
119 Carbazole	167	19.559	19.559	(1.033)	819896	50.0000	55.2	
120 Methyl Parathion	109	19.994	19.994	(1.056)	239581	50.0000	55.3	
121 Di-n-butylphthalate	149	20.625	20.625	(1.089)	1219129	50.0000	53.1	
122 4-Nitroquinoline-1-Oxide	190	20.853	20.853	(1.101)	61775	50.0000	56.6	
123 Ethyl Parathion	291	20.967	20.967	(1.107)	63490	50.0000	54.1	
124 Methapyrilene	97	20.967	20.967	(1.107)	153074	50.0000	53.9	
125 Isodrin	193	21.443	21.443	(1.132)	121254	50.0000	54.0	
126 Fluoranthene	202	21.805	21.805	(1.151)	909682	50.0000	53.5	
127 Benzidine	184	22.250	22.250	(0.883)	257712	50.0000	48.7 (a)	
128 Pyrene	202	22.313	22.313	(0.885)	912063	50.0000	45.7	
\$ 129 Terphenyl-D14	244	22.851	22.851	(0.906)	611795	50.0000	46.8	
130 Aramite	185	23.141	23.141	(0.918)	54808	50.0000	46.0	

Data File: \\target_server\gg\chem\gcms-u.i\U070314B.b\U6274.D
 Report Date: 16-Jul-2014 07:26

						AMOUNTS		
		QUANT	SIG					
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====
131 p-Dimethylaminoazobenzene	225	23.213	23.213	(0.921)	157976	50.0000	46.7	
132 Chlorobenzilate	251	23.389	23.389	(0.928)	234009	50.0000	46.2	
134 3,3'-Dimethylbenzidine	212	24.000	24.000	(0.952)	268194	50.0000	50.6	
135 Butylbenzylphthalate	149	24.144	24.144	(0.958)	426849	50.0000	46.6	
136 Bis(2-ethylhexyl)adipate	129	24.507	24.507	(0.972)	383504	50.0000	45.9	
137 2-Acetylaminofluorene	181	24.590	24.590	(0.975)	244686	50.0000	58.0	
138 Famphur	218	25.055	25.055	(0.994)	26580	50.0000	(a)	
139 Benzo(a)anthracene	228	25.190	25.190	(0.999)	634762	50.0000	49.5	
* 140 Chrysene-D12	240	25.211	25.211	(1.000)	545833	40.0000		
141 3,3'-Dichlorobenzidine	252	25.242	25.242	(1.001)	188452	50.0000	55.2	
142 Chrysene	228	25.273	25.273	(1.002)	586857	50.0000	50.3	
143 bis(2-Ethylhexyl)phthalate	149	25.645	25.645	(1.017)	562338	50.0000	45.7	
144 Di-n-octylphthalate	149	27.115	27.115	(0.957)	865967	50.0000	41.4	
145 Benzo(b)fluoranthene	252	27.581	27.581	(0.973)	523628	50.0000	49.0	
146 7,12-Dimethylbenz(a)anthracen	256	27.601	27.601	(0.974)	250710	50.0000	46.7	
147 Benzo(k)fluoranthene	252	27.643	27.643	(0.976)	503210	50.0000	45.8 (H)	
148 Benzo(a)pyrene	252	28.212	28.212	(0.996)	442641	50.0000	50.6	
* 149 Perylene-D12	264	28.336	28.336	(1.000)	404369	40.0000		
150 3-Methylcholanthrene	268	28.957	28.957	(1.022)	205383	50.0000	54.0	
152 Dibenz(a,j)acridine	279	30.127	30.127	(1.063)	227607	50.0000	57.4	
153 Indeno(1,2,3-cd)pyrene	276	30.479	30.479	(1.076)	286279	50.0000	57.1	
154 Dibenzo(a,h)anthracene	278	30.551	30.551	(1.078)	297483	50.0000	57.8	
155 Benzo(g,h,i)perylene	276	31.058	31.058	(1.096)	306618	50.0000	56.3	
M 156 Total PAHs	100				12522215	850.000	(a)	

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: \\target_server\gs\chem\goms-u.i\U070314B.b\U6274.D

Date : 03-JUL-2014 16:01

Client ID:

Sample Info: WJ145924-2,ME53-7

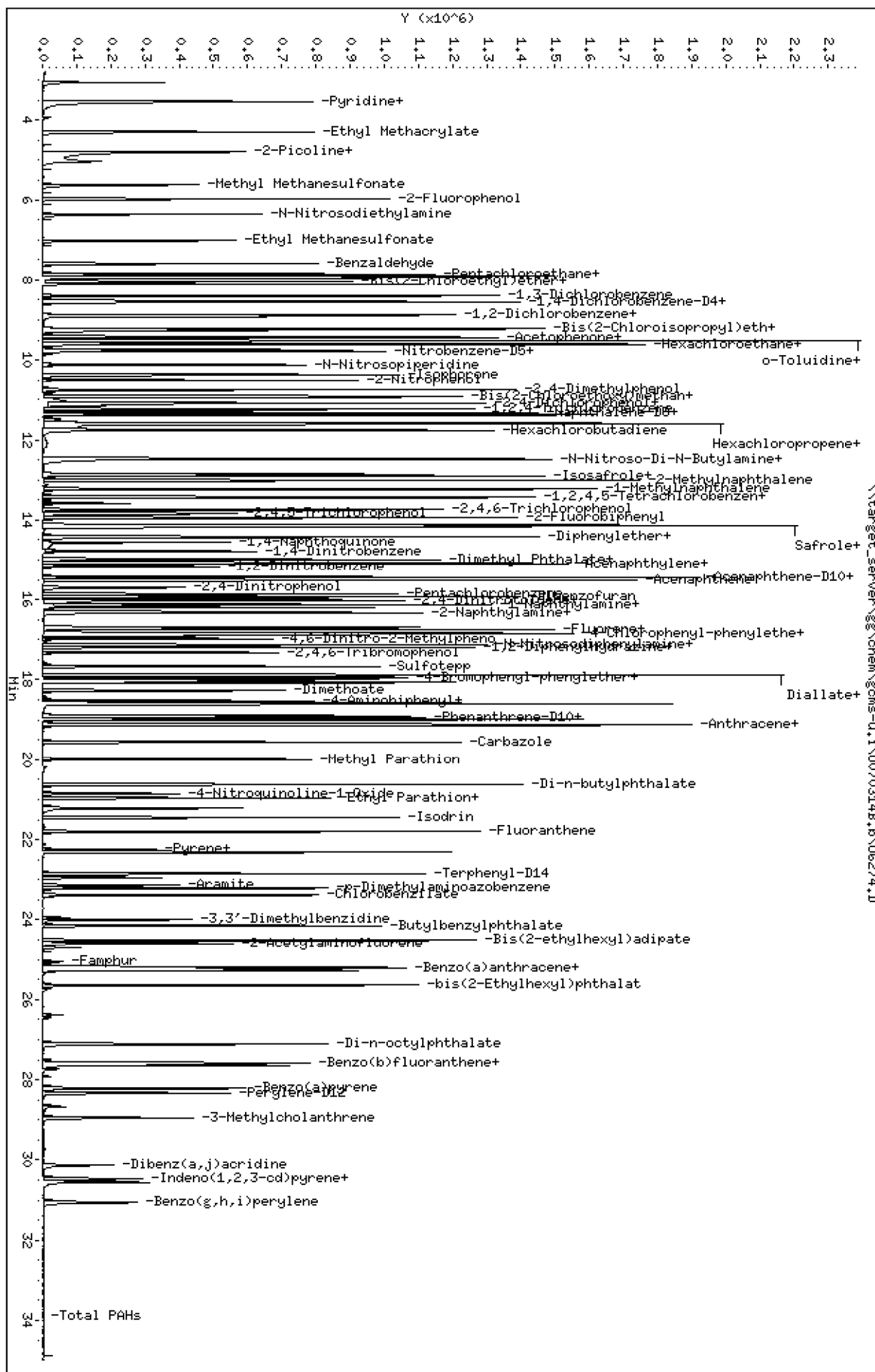
Volume Injected (uL): 1.0

Column phase: ZB5-MS

Instrument: goms-u.i

Operator: JCG

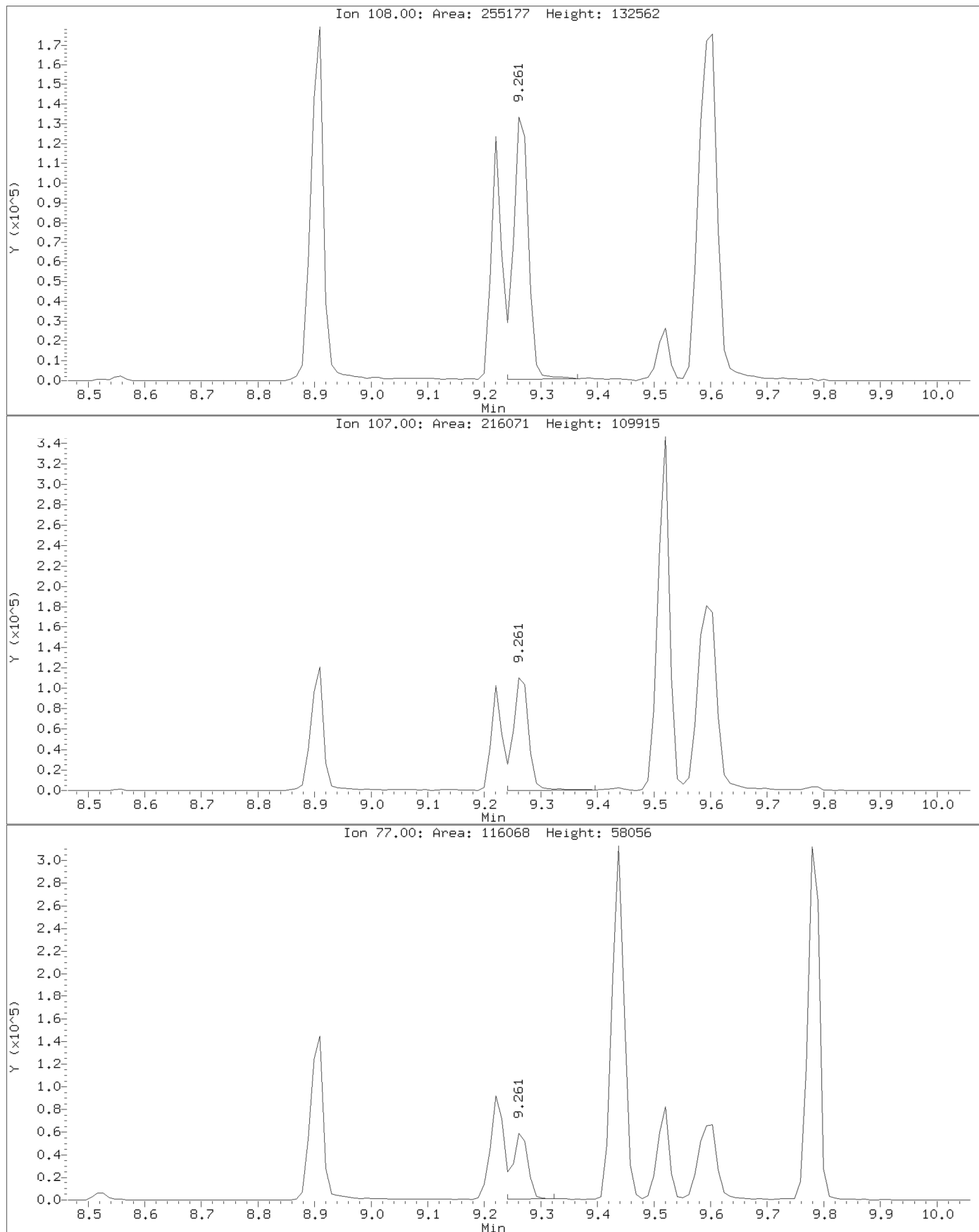
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Data File: \\target_server\gg\chem\gcms-u.i\U070314B.b\U6274.D
Injection Date: 03-JUL-2014 16:01
Instrument: gcms-u.i
Client Sample ID:

Compound: 2-Methylphenol
CAS Number: 95-48-7

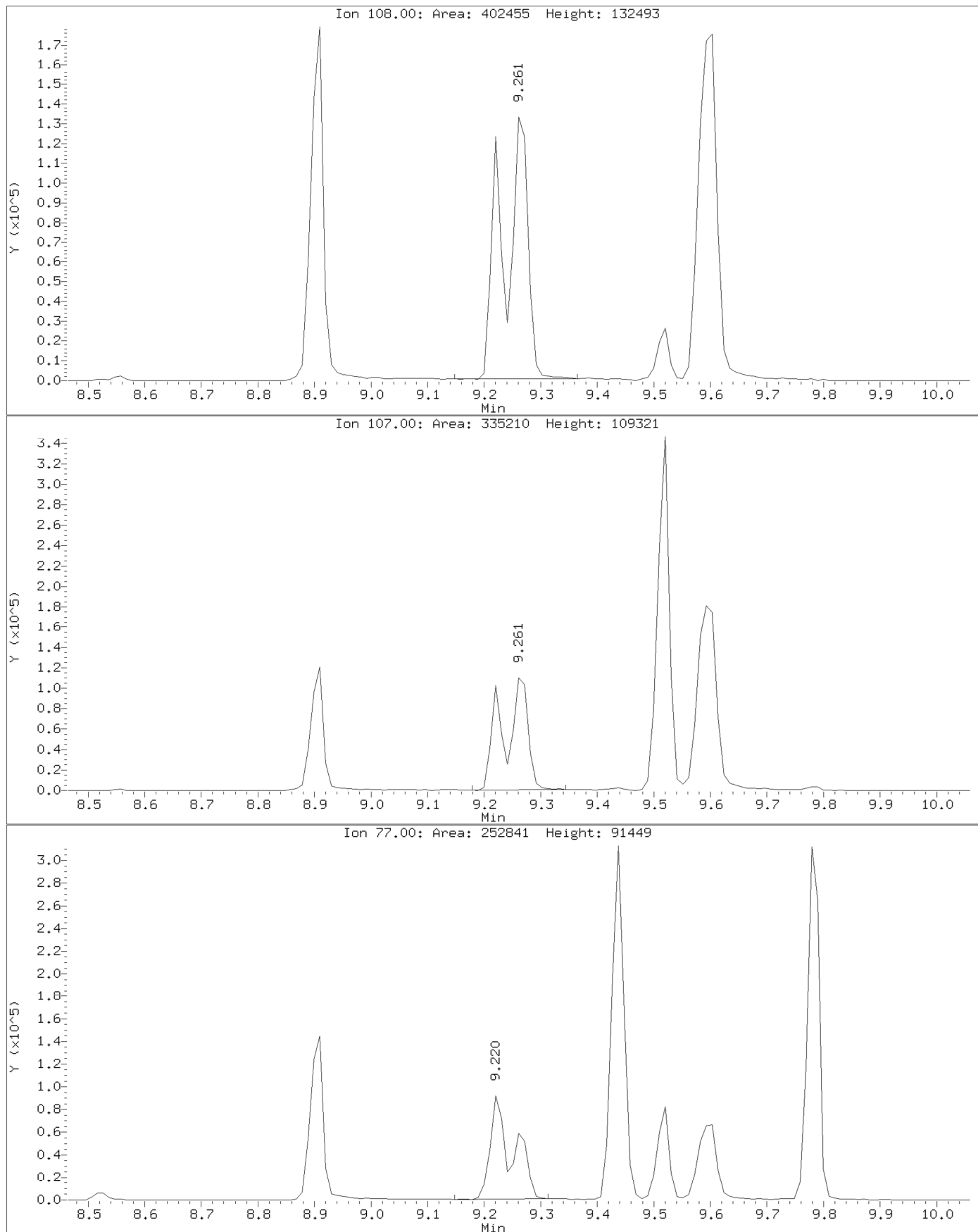
BEFORE MANUAL INTEGRATION



Data File: \\target_server\gg\chem\gcms-u.i\U070314B.b\U6274.D
Injection Date: 03-JUL-2014 16:01
Instrument: gcms-u.i
Client Sample ID:

AFTER MANUAL INTEGRATION

Compound: 2-Methylphenol
CAS Number: 95-48-7



Form 7

Calibration Verification Summary

Lab Name : Katahdin Analytical Services

Project : NCTAMSLANT Cutler CTO WE53

Lab ID : WG146330-2

Lab File ID : U6381.D

SDG: WE53-7

Analytical Date: 07/11/14 10:40

Instrument ID: GCMS-U

Initial Calibration Date(s): 07/03/14 10:31 07/03/14 14:15

Column ID:

Compound	RRF/Amount	RF50	CCAL RRF50	Min	%D/ %Drift	Max %D/ %Drift	Curve Type	
11 Benzaldehyde	0.66318	0.13535	0.13535	0.010	-79.59047	20.00000	Averaged	*
15 Phenol	1.52318	1.55627	1.55627	0.010	2.17251	20.01000	Averaged	
23 2-Methylphenol	1.20141	1.24740	1.24740	0.010	3.82816	20.00000	Averaged	
27 Acetophenone	0.43436	0.42953	0.42953	0.010	-1.11323	20.00000	Averaged	
36 Isophorone	0.62758	0.63868	0.63868	0.010	1.76808	20.00000	Averaged	
37 2-Nitrophenol	0.17510	0.17941	0.17941	0.010	2.45878	20.01000	Averaged	
38 2,4-Dimethylphenol	0.33185	0.33631	0.33631	0.010	1.34525	20.00000	Averaged	
40 Bis(2-Chloroethoxy)methane	0.43316	0.45722	0.45722	0.010	5.55353	20.00000	Averaged	
52 Caprolactam	0.08672	0.09965	0.09965	0.010	14.91911	20.00000	Averaged	
54 4-Chloro-3-Methylphenol	0.27066	0.29965	0.29965	0.010	10.70939	20.01000	Averaged	
62 2,4,5-Trichlorophenol	0.37531	0.39357	0.39357	0.010	4.86505	20.00000	Averaged	
65 2-Chloronaphthalene	1.46273	1.44675	1.44675	0.010	-1.09251	20.00000	Averaged	
73 Dimethyl Phthalate	1.14610	1.25055	1.25055	0.010	9.11301	20.00000	Averaged	
75 Acenaphthylene	1.69138	1.72803	1.72803	0.010	2.16698	20.00000	Averaged	
79 Acenaphthene	1.03549	1.06470	1.06470	0.010	2.82033	20.01000	Averaged	
83 4-Nitrophenol	0.21897	0.25743	0.25743	0.050	17.56746	20.00000	Averaged	
87 2,3,4,6-Tetrachlorophenol	0.29433	0.31844	0.31844	0.010	8.19489	20.00000	Averaged	
89 Diethylphthalate	1.23031	1.37881	1.37881	0.010	12.07073	20.00000	Averaged	
90 Fluorene	1.10365	1.16460	1.16460	0.010	5.52201	20.00000	Averaged	
91 4-Chlorophenyl-phenylether	0.52277	0.56466	0.56466	0.010	8.01262	20.00000	Averaged	
96 N-Nitrosodiphenylamine	0.53930	0.53297	0.53297	0.010	-1.17325	20.01000	Averaged	
105 4-Bromophenyl-phenylether	0.19337	0.18982	0.18982	0.010	-1.83413	20.00000	Averaged	
116 Anthracene	0.92755	0.92749	0.92749	0.010	-0.00711	20.00000	Averaged	
119 Carbazole	0.76156	0.78740	0.78740	0.010	3.39271	20.00000	Averaged	
121 Di-n-butylphthalate	1.17653	1.20849	1.20849	0.010	2.71697	20.00000	Averaged	
126 Fluoranthene	0.87103	0.87880	0.87880	0.010	0.89194	20.01000	Averaged	
135 Butylbenzylphthalate	0.67069	0.68099	0.68099	0.010	1.53622	20.00000	Averaged	
144 Di-n-octylphthalate	2.06792	2.01437	2.01437	0.010	-2.58973	20.01000	Averaged	
147 Benzo(k)fluoranthene	1.08703	1.07374	1.07374	0.010	-1.22207	20.00000	Averaged	
155 Benzo(g,h,i)perylene	0.53867	0.55883	0.55883	0.010	3.74196	20.00000	Averaged	
8 2-Fluorophenol	1.24880	1.24871	1.24871	0.010	-0.00708	20.00000	Averaged	
13 Phenol-D6	1.38761	1.43519	1.43519	0.010	3.42952	20.00000	Averaged	
33 Nitrobenzene-D5	0.33793	0.33427	0.33427	0.010	-1.08381	20.00000	Averaged	
63 2-Fluorobiphenyl	1.12476	1.10826	1.10826	0.010	-1.46707	20.00000	Averaged	
100 2,4,6-Tribromophenol	0.19748	0.23072	0.23072	0.010	16.83379	20.00000	Averaged	
129 Terphenyl-D14	0.95836	0.97829	0.97829	0.010	2.08022	20.00000	Averaged	

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services	SDG: WE53-7
Project : NCTAMSLANT Cutler CTO WE53	Analytical Date: 07/11/14 10:40
Lab ID : WG146330-2	Instrument ID: GCMS-U
Lab File ID : U6381.D	Column ID:
Initial Calibration Date(s): 07/03/14 10:31 07/03/14 14:15	

* = Compound out of QC criteria

Data File: \\target_server\gg\chem\gcms-u.i\U071114.b\U6381.D
 Report Date: 15-Jul-2014 15:36

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-u.i\U071114.b\U6381.D
 Lab Smp Id: WG146330-2
 Inj Date : 11-JUL-2014 10:40 MS Autotune Date: 26-OCT-2013 10:51
 Operator : JCG Inst ID: gcms-u.i
 Smp Info : WG146330-2,WE53-7
 Misc Info : WG146330,WG146277,WG145897-4,SH4401-6
 Comment :
 Method : \\target_server\gg\chem\gcms-u.i\U071114.b\U8270C60.m
 Meth Date : 11-Jul-2014 11:35 cgomez Quant Type: ISTD
 Cal Date : 03-JUL-2014 14:15 Cal File: U6272.D
 Als bottle: 2 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all_DOD.sub
 Target Version: 4.12
 Processing Host: V200T4

Concentration Formula: Amt * DF * Uf*(Vt/Vo*Vi)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG						AMOUNTS		REVIEW CODE
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
1 1,4-Dioxane	58		3.013	3.013	(0.266)		144613	50.0000	49.3	
3 Pyridine	79		3.510	3.510	(0.413)		459735	50.0000	46.4 (a)	
2 N-Nitrosodimethylamine	42		3.469	3.469	(0.408)		248578	50.0000	47.0	
4 Ethyl Methacrylate	69		4.266	4.266	(0.502)		356984	50.0000	49.6	
5 2-Picoline	93		4.773	4.773	(0.562)		440207	50.0000	48.3	
6 N-Nitrosomethylethylamine	88		5.001	5.001	(0.588)		210278	50.0000	52.6	
7 Methyl Methanesulfonate	80		5.591	5.591	(0.658)		282109	50.0000	47.5	
\$ 8 2-Fluorophenol	112		5.953	5.953	(0.700)		430144	50.0000	50.0	
9 N-Nitrosodiethylamine	102		6.336	6.336	(0.745)		224629	50.0000	51.1	
10 Ethyl Methanesulfonate	79		6.998	6.998	(0.823)		347506	50.0000	50.9	
11 Benzaldehyde	77		7.578	7.578	(0.892)		46625	50.0000	10.2	
14 Pentachloroethane	117		7.888	7.888	(0.928)		161338	50.0000	49.2	
12 Aniline	93		7.837	7.837	(0.922)		660772	50.0000	50.4	
16 Bis(2-Chloroethyl)ether	93		8.023	8.023	(0.944)		416131	50.0000	51.0	
\$ 13 Phenol-D6	99		7.909	7.909	(0.931)		494381	50.0000	51.7	
15 Phenol	94		7.930	7.930	(0.933)		536090	50.0000	51.1	
17 2-Chlorophenol	128		8.075	8.075	(0.950)		441837	50.0000	51.1	
18 1,3-Dichlorobenzene	146		8.375	8.375	(0.985)		483611	50.0000	50.1	
* 19 1,4-Dichlorobenzene-D4	152		8.499	8.499	(1.000)		275576	40.0000		
20 1,4-Dichlorobenzene	146		8.530	8.530	(1.004)		487197	50.0000	49.9	

Compounds	QUANT SIG				AMOUNTS			REVIEW CODE
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
21 1,2-Dichlorobenzene	146	8.851	8.851	(1.041)	478342	50.0000	51.3	
22 Benzyl alcohol	108	8.882	8.882	(1.045)	309912	50.0000	54.2	
24 Bis(2-Chloroisopropyl)ether	45	9.203	9.203	(1.083)	726778	50.0000	51.4	
25 2,2'-Oxybis(1-chloropropane)	45	9.203	9.203	(1.083)	726778	50.0000	51.4	
23 2-Methylphenol	108	9.244	9.244	(1.088)	429692	50.0000	51.9 (M)	M9
27 Acetophenone	105	9.420	9.420	(0.833)	603537	50.0000	49.4	
32 Hexachloroethane	117	9.575	9.575	(1.127)	194766	50.0000	48.4	
26 N-Nitrosopyrrolidine	100	9.399	9.399	(1.106)	226618	50.0000	54.5	
29 o-Toluidine	106	9.503	9.503	(1.118)	645302	50.0000	50.6	
28 N-Nitrosomorpholine	56	9.472	9.472	(1.114)	339228	50.0000	53.2	
30 N-Nitroso-di-n-propylamine	70	9.503	9.503	(1.118)	321725	50.0000	49.8	
31 3&4-Methylphenol	108	9.586	9.586	(1.128)	428680	50.0000	50.7	
\$ 33 Nitrobenzene-D5	82	9.720	9.720	(0.859)	469685	50.0000	49.4	
34 Nitrobenzene	77	9.762	9.762	(0.863)	462348	50.0000	49.4	
35 N-Nitrosopiperidine	114	10.103	10.103	(0.893)	231252	50.0000	51.6	
36 Isophorone	82	10.341	10.341	(0.914)	897415	50.0000	50.9	
37 2-Nitrophenol	139	10.486	10.486	(0.927)	252089	50.0000	51.2	
38 2,4-Dimethylphenol	107	10.735	10.735	(0.949)	472558	50.0000	50.7	
40 Bis(2-Chloroethoxy)methane	93	10.921	10.921	(0.965)	642446	50.0000	52.8	
39 O,O,O-Triethylphosphorothioat	198	10.900	10.900	(0.963)	183871	50.0000	52.1	
41 2,4-Dichlorophenol	162	11.076	11.076	(0.979)	349831	50.0000	52.0	
43 1,2,4-Trichlorobenzene	180	11.221	11.221	(0.992)	382403	50.0000	51.0	
* 44 Naphthalene-D8	136	11.314	11.314	(1.000)	1124091	40.0000		
42 Benzoic acid	122	11.138	11.138	(0.984)	218996	50.0000	49.4	
45 Naphthalene	128	11.356	11.356	(1.004)	1173903	50.0000	50.4	
49 A,A-Dimethylphenethylamine	58	11.708	11.708	(1.035)	1246537	50.0000	56.0 (M)	M9
48 Hexachloropropene	213	11.604	11.604	(1.026)	252353	50.0000	52.3	
47 2,6-Dichlorophenol	162	11.583	11.583	(1.024)	306279	50.0000	51.6	
46 4-Chloroaniline	127	11.573	11.573	(1.023)	499021	50.0000	52.3	
50 Hexachlorobutadiene	225	11.749	11.749	(1.038)	211947	50.0000	50.1	
53 N-Nitroso-Di-N-Butylamine	84	12.453	12.453	(1.101)	411667	50.0000	63.1	
52 Caprolactam	113	12.484	12.484	(1.103)	140026	50.0000	57.4	
51 p-Phenylenediamine	108	12.442	12.442	(1.100)	397224	50.0000	59.4	
55 Isosafrole	162	12.877	12.877	(1.138)	301517	50.0000	53.5	
56 2-Methylnaphthalene	142	12.991	12.991	(1.148)	847279	50.0000	52.0	
54 4-Chloro-3-Methylphenol	107	12.846	12.846	(1.135)	421037	50.0000	55.4	
57 1-Methylnaphthalene	142	13.208	13.208	(1.167)	785915	50.0000	51.6	
59 1,2,4,5-Tetrachlorobenzene	216	13.405	13.405	(0.869)	343710	50.0000	48.7	
60 Hexachlorocyclopentadiene	237	13.426	13.426	(0.870)	261558	50.0000	48.8	
61 2,4,6-Trichlorophenol	196	13.726	13.726	(0.890)	262058	50.0000	51.8	
\$ 63 2-Fluorobiphenyl	172	13.922	13.922	(0.903)	796679	50.0000	49.3	
62 2,4,5-Trichlorophenol	196	13.819	13.819	(0.896)	282918	50.0000	52.4	
64 Safrole	104	14.098	14.098	(0.914)	164343	50.0000	49.5	
65 2-Chloronaphthalene	162	14.109	14.109	(0.915)	1040002	50.0000	49.4	
66 1,1'-Biphenyl	154	14.129	14.129	(0.916)	866008	50.0000	45.5	
67 1-Chloronaphthalene	162	14.161	14.161	(0.918)	680788	50.0000	48.9	
68 Diphenylether	170	14.399	14.399	(0.934)	479898	50.0000	50.2	
69 2-Nitroaniline	65	14.440	14.440	(0.936)	310501	50.0000	50.9	
70 1,4-Naphthoquinone	158	14.543	14.543	(0.943)	218985	50.0000	58.6	
71 1,4-Dinitrobenzene	75	14.761	14.761	(0.957)	180243	50.0000	54.0	
75 Acenaphthylene	152	15.071	15.071	(0.977)	1242203	50.0000	51.1	
73 Dimethyl Phthalate	163	14.989	14.989	(0.972)	898964	50.0000	54.6	
72 1,3-Dinitrobenzene	168	14.957	14.957	(0.970)	142824	50.0000	54.6	
74 2,6-Dinitrotoluene	165	15.051	15.051	(0.976)	202277	50.0000	55.4	

DJP

7:35 am, Jul 16, 2014

Data File: \\target_server\gg\chem\gcms-u.i\U071114.b\U6381.D
 Report Date: 15-Jul-2014 15:36

Compounds	QUANT SIG				RESPONSE	AMOUNTS		REVIEW CODE
	MASS	RT	EXP RT	REL RT		CAL-AMT (ug/ml)	ON-COL (ug/ml)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
76 1,2-Dinitrobenzene	50	15.144	15.144	(0.982)	165352	50.0000	54.6	
* 78 Acenaphthene-D10	164	15.423	15.423	(1.000)	575085	40.0000		
79 Acenaphthene	153	15.496	15.496	(1.005)	765365	50.0000	51.4	
77 3-Nitroaniline	138	15.434	15.434	(1.001)	235045	50.0000	52.2	
80 2,4-Dinitrophenol	184	15.692	15.692	(1.017)	146537	50.0000	60.7	
82 Dibenzofuran	168	15.920	15.920	(1.032)	1026498	50.0000	51.9	
81 Pentachlorobenzene	250	15.848	15.848	(1.028)	331976	50.0000	51.6	
85 1-Naphthylamine	143	16.117	16.117	(1.045)	892688	50.0000	53.4	
84 2,4-Dinitrotoluene	165	16.013	16.013	(1.038)	273163	50.0000	56.2	
86 2,3,5,6-Tetrachlorophenol	232	16.179	16.179	(1.049)	238484	50.0000	55.3	
88 2-Naphthylamine	143	16.324	16.324	(1.058)	874368	50.0000	53.4	
83 4-Nitrophenol	139	16.024	16.024	(1.039)	185058	50.0000	58.8	
87 2,3,4,6-Tetrachlorophenol	232	16.293	16.293	(1.056)	228916	50.0000	54.1	
90 Fluorene	166	16.727	16.727	(1.085)	837179	50.0000	52.8	
89 Diethylphthalate	149	16.686	16.686	(1.082)	991168	50.0000	56.0	
91 4-Chlorophenyl-phenylether	204	16.810	16.810	(1.090)	405907	50.0000	54.0	
93 O,O-diethyl-o-2-pyrazinylphos	107	16.852	16.852	(1.093)	194860	50.0000	55.6	
92 5-Nitro-O-Toluidine	152	16.852	16.852	(1.093)	251136	50.0000	56.4	
94 4-Nitroaniline	138	16.893	16.893	(1.095)	213551	50.0000	56.4	
95 4,6-Dinitro-2-Methylphenol	198	16.965	16.965	(0.897)	168929	50.0000	53.8	
96 N-Nitrosodiphenylamine	169	17.121	17.121	(0.905)	707533	50.0000	49.4	
97 N-Nitrosodiphenylamine/DPA	169	17.121	17.121	(0.905)	707533	50.0000	49.4	
98 1,2-Diphenylhydrazine	77	17.183	17.183	(0.908)	1005771	50.0000	47.4	
99 Azobenzene	77	17.183	17.183	(0.908)	1005771	50.0000	47.4	
\$ 100 2,4,6-Tribromophenol	330	17.307	17.307	(1.122)	165855	50.0000	58.4	
101 Sulfotep	97	17.659	17.659	(0.933)	173673	50.0000	50.0	
103 Diallate	86	17.876	17.876	(0.945)	353045	50.0000	48.1	
105 4-Bromophenyl-phenylether	248	17.959	17.959	(0.949)	251993	50.0000	49.1	
104 Phorate	75	17.866	17.866	(0.944)	764473	50.0000	51.1	
102 1,3,5-Trinitrobenzene	213	17.887	17.887	(0.945)	61682	50.0000	49.1	
106 Phenacetin	108	18.021	18.021	(0.952)	477794	50.0000	53.5	
107 Hexachlorobenzene	284	18.042	18.042	(0.954)	309661	50.0000	51.4	
108 Dimethoate	87	18.259	18.259	(0.965)	351600	50.0000	56.6	
109 Atrazine	200	18.528	18.528	(0.979)	201579	50.0000	53.4	
111 4-Aminobiphenyl	169	18.590	18.590	(0.982)	734555	50.0000	45.5	
110 Pentachlorophenol	266	18.570	18.570	(0.981)	191766	50.0000	51.5	
112 Pentachloronitrobenzene	237	18.590	18.590	(0.982)	106588	50.0000	49.4	
* 114 Phenanthrene-D10	188	18.922	18.922	(1.000)	1062026	40.0000		
113 Pronamide	173	18.891	18.891	(0.998)	383232	50.0000	52.0	
115 Phenanthrene	178	18.973	18.973	(1.003)	1302242	50.0000	50.7	
116 Anthracene	178	19.098	19.098	(1.009)	1231268	50.0000	50.0	
118 Disulfoton	88	19.118	19.118	(1.010)	557248	50.0000	52.3	
117 Dinoseb	211	19.108	19.108	(1.010)	192189	50.0000	51.3	
119 Carbazole	167	19.543	19.543	(1.033)	1045297	50.0000	51.7	
120 Methyl Parathion	109	19.977	19.977	(1.056)	309787	50.0000	51.5	
121 Di-n-butylphthalate	149	20.609	20.609	(1.089)	1604313	50.0000	51.4	
122 4-Nitroquinoline-1-Oxide	190	20.847	20.847	(1.102)	81280	50.0000	54.9	
123 Ethyl Parathion	291	20.950	20.950	(1.107)	85319	50.0000	53.5	
124 Methapyrilene	97	20.950	20.950	(1.107)	198451	50.0000	51.4	
125 Isodrin	193	21.426	21.426	(1.132)	159600	50.0000	52.2	
126 Fluoranthene	202	21.789	21.789	(1.152)	1166634	50.0000	50.4	
128 Pyrene	202	22.296	22.296	(0.885)	1169438	50.0000	49.9	
127 Benzidine	184	22.223	22.223	(0.882)	217602	50.0000	35.0 (a)	
\$ 129 Terphenyl-D14	244	22.834	22.834	(0.906)	783596	50.0000	51.0	

Compounds	QUANT	SIG						AMOUNTS		REVIEW CODE
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL	
								(ug/ml)	(ug/ml)	
=====	=====		=====	=====	=====	=====	=====	=====	=====	
130 Aramite	185		23.124	23.124	(0.918)	77823	50.0000	55.6		
131 p-Dimethylaminoazobenzene	225		23.196	23.196	(0.921)	205409	50.0000	51.7		
132 Chlorobenzilate	251		23.372	23.372	(0.928)	314802	50.0000	53.0		
134 3,3'-Dimethylbenzidine	212		23.983	23.983	(0.952)	214644	50.0000	34.5		
135 Butylbenzylphthalate	149		24.128	24.128	(0.958)	545465	50.0000	50.8		
136 Bis(2-ethylhexyl)adipate	129		24.490	24.490	(0.972)	496632	50.0000	50.7		
137 2-Acetylaminofluorene	181		24.573	24.573	(0.975)	286852	50.0000	57.9		
139 Benzo(a)anthracene	228		25.173	25.173	(0.999)	768428	50.0000	51.1		
* 140 Chrysene-D12	240		25.194	25.194	(1.000)	640786	40.0000			
142 Chrysene	228		25.256	25.256	(1.002)	673498	50.0000	49.2		
141 3,3'-Dichlorobenzidine	252		25.225	25.225	(1.001)	215314	50.0000	53.7		
143 bis(2-Ethylhexyl)phthalate	149		25.628	25.628	(1.017)	733532	50.0000	50.7		
144 Di-n-octylphthalate	149		27.088	27.088	(0.957)	1077003	50.0000	48.7		
145 Benzo(b)fluoranthene	252		27.554	27.554	(0.973)	598499	50.0000	53.0		
146 7,12-Dimethylbenz(A)Anthracen	256		27.585	27.585	(0.974)	288403	50.0000	50.8		
147 Benzo(k)fluoranthene	252		27.626	27.626	(0.976)	574089	50.0000	49.4 (H)		
148 Benzo(a)pyrene	252		28.195	28.195	(0.996)	497563	50.0000	53.8		
* 149 Perylene-D12	264		28.309	28.309	(1.000)	427729	40.0000			
150 3-Methylcholanthrene	268		28.930	28.930	(1.022)	221510	50.0000	55.1		
152 Dibenz(a,j)acridine	279		30.100	30.100	(1.063)	240818	50.0000	57.5		
153 Indeno(1,2,3-cd)pyrene	276		30.452	30.452	(1.076)	289752	50.0000	54.6		
154 Dibenzo(a,h)anthracene	278		30.524	30.524	(1.078)	290668	50.0000	53.4		
155 Benzo(g,h,i)perylene	276		31.031	31.031	(1.096)	298784	50.0000	51.9		
M 156 Total PAHs	100					14512707	850.000	926		

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: \\target_server\gs\chem\goms-u,i\U071114,b\U6381.D

Date : 11-JUL-2014 10:40

Client ID:

Sample Info: WJ146330-2,ME53-7

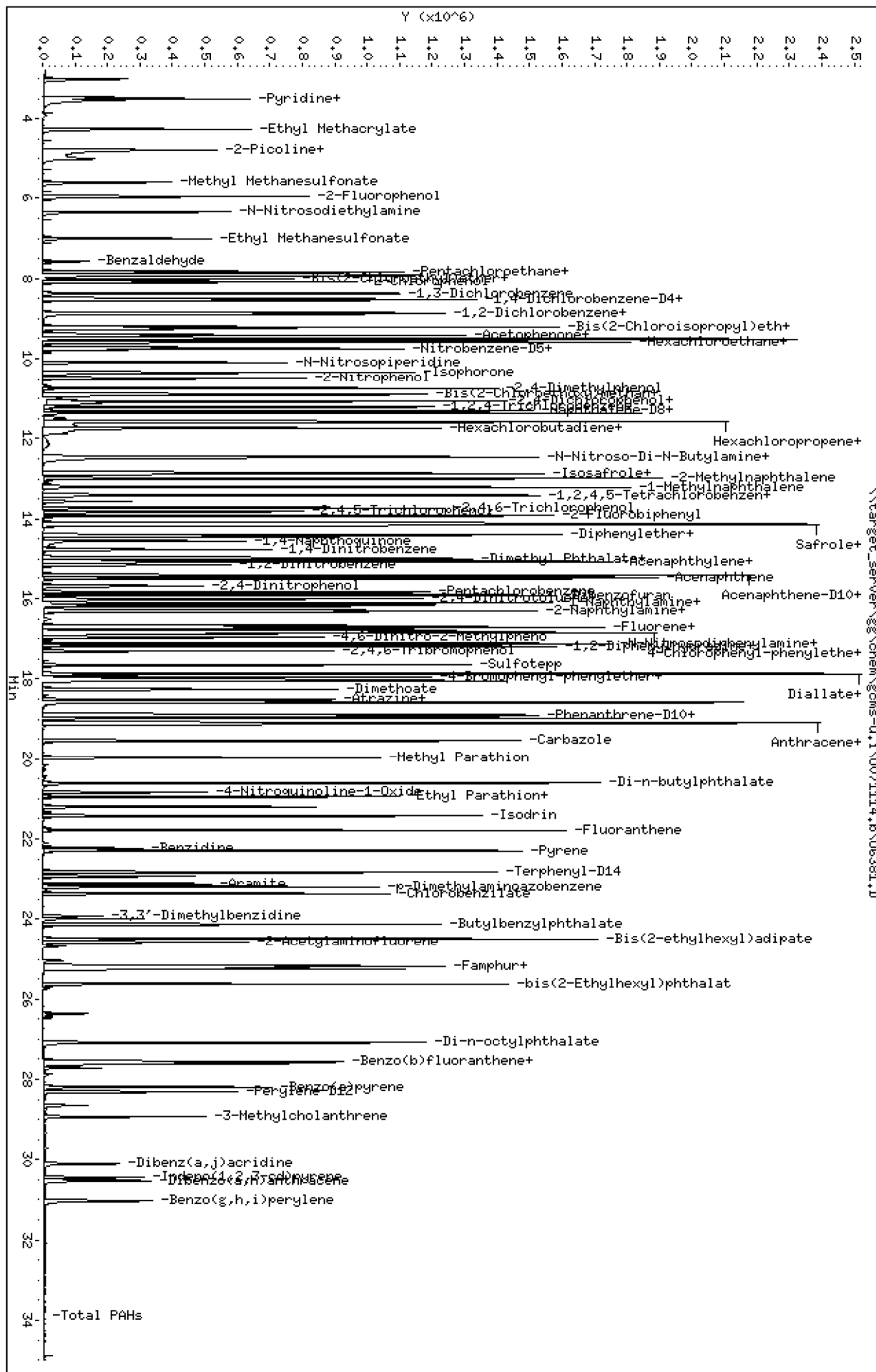
Volume Injected (uL): 1.0

Column phase: ZB5-MS

Instrument: goms-u,i

Operator: JCG

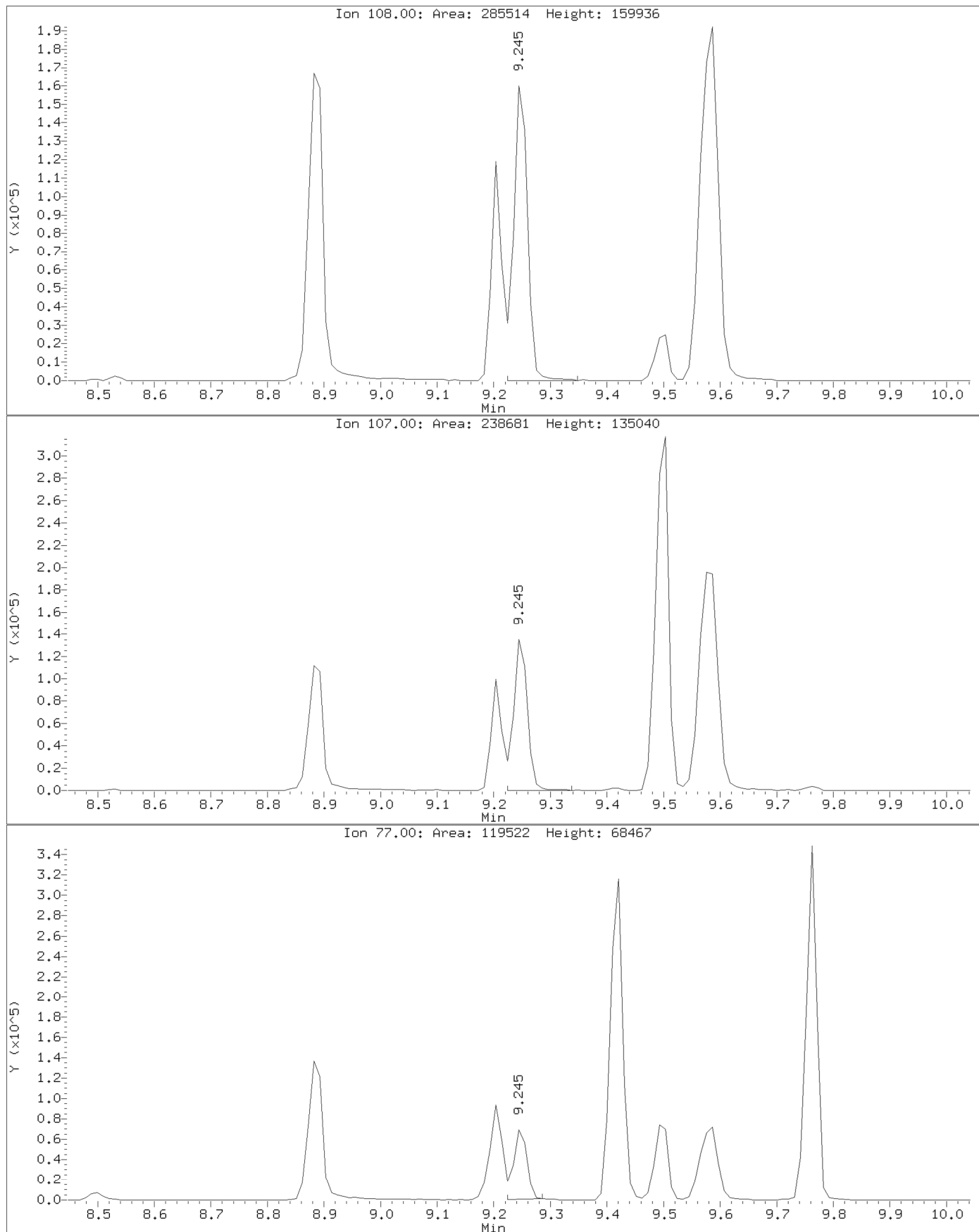
Column diameter: 0.25



Data File: \\target_server\gg\chem\gcms-u.i\U071114.b\U6381.D
Injection Date: 11-JUL-2014 10:40
Instrument: gcms-u.i
Client Sample ID:

BEFORE MANUAL INTEGRATION

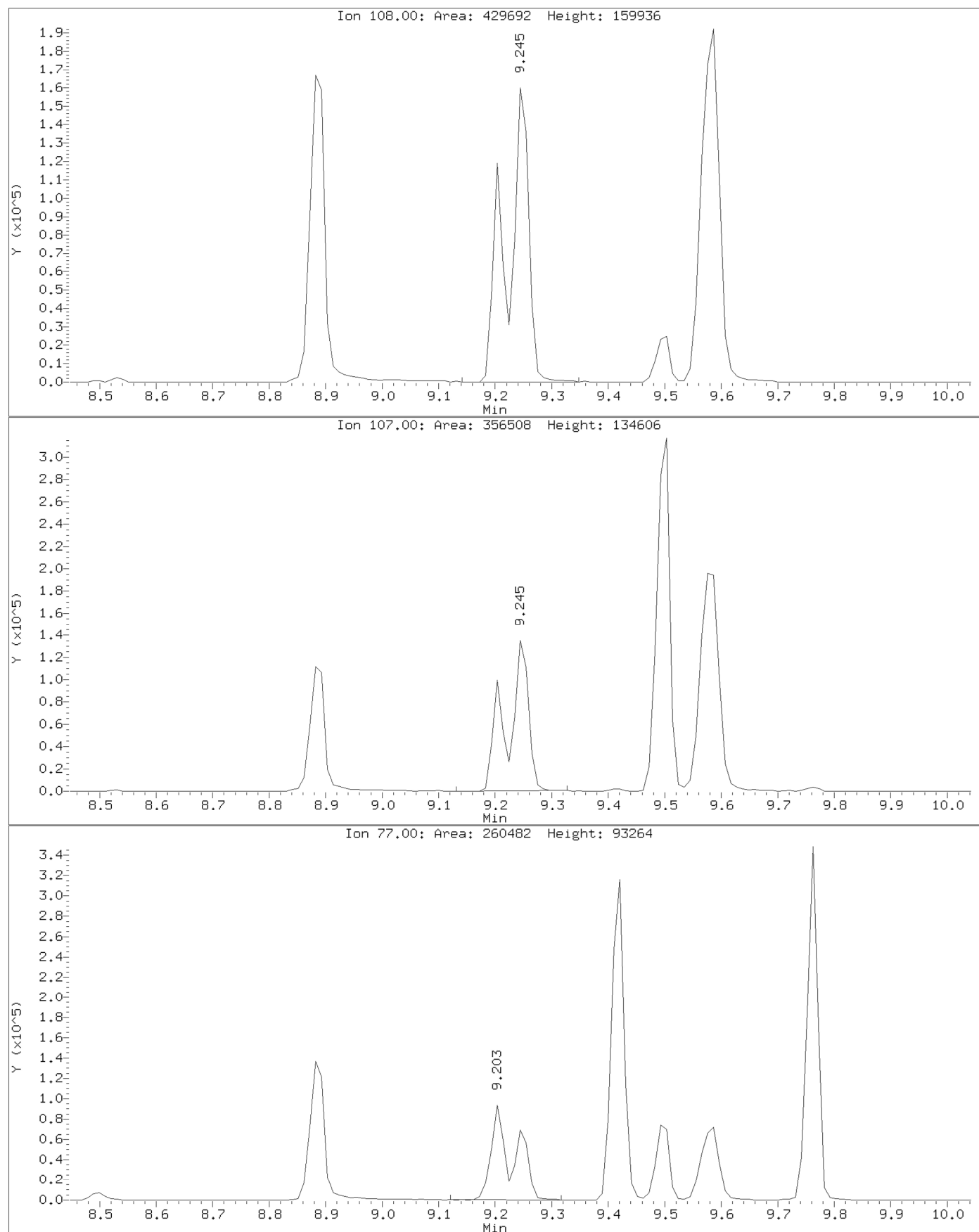
Compound: 2-Methylphenol
CAS Number: 95-48-7



AFTER MANUAL INTEGRATION

Data File: \\target_server\gg\chem\gcms-u.i\U071114.b\U6381.D
Injection Date: 11-JUL-2014 10:40
Instrument: gcms-u.i
Client Sample ID:

Compound: 2-Methylphenol
CAS Number: 95-48-7



Form 7

Calibration Verification Summary

Lab Name : Katahdin Analytical Services

Project : NCTAMSLANT Cutler CTO WE53

Lab ID : WG146400-2

Lab File ID : U6399.D

SDG: WE53-7

Analytical Date: 07/12/14 08:16

Instrument ID: GCMS-U

Initial Calibration Date(s): 07/03/14 10:31 07/03/14 14:15

Column ID:

Compound	RRF/Amount	RF50	CCAL RRF50	Min	%D/ %Drift	Max %D/ %Drift	Curve Type	
11 Benzaldehyde	0.66318	0.11889	0.11889	0.010	-82.07286	20.00000	Averaged	*
15 Phenol	1.52318	1.51601	1.51601	0.010	-0.47068	20.01000	Averaged	
23 2-Methylphenol	1.20141	1.24242	1.24242	0.010	3.41327	20.00000	Averaged	
27 Acetophenone	0.43436	0.43780	0.43780	0.010	0.79006	20.00000	Averaged	
36 Isophorone	0.62758	0.62809	0.62809	0.010	0.08107	20.00000	Averaged	
37 2-Nitrophenol	0.17510	0.17806	0.17806	0.010	1.68602	20.01000	Averaged	
38 2,4-Dimethylphenol	0.33185	0.34029	0.34029	0.010	2.54477	20.00000	Averaged	
40 Bis(2-Chloroethoxy)methane	0.43316	0.46089	0.46089	0.010	6.40065	20.00000	Averaged	
52 Caprolactam	0.08672	0.09236	0.09236	0.010	6.50524	20.00000	Averaged	
54 4-Chloro-3-Methylphenol	0.27066	0.28730	0.28730	0.010	6.14648	20.01000	Averaged	
62 2,4,5-Trichlorophenol	0.37531	0.39617	0.39617	0.010	5.55947	20.00000	Averaged	
65 2-Chloronaphthalene	1.46273	1.49163	1.49163	0.010	1.97596	20.00000	Averaged	
73 Dimethyl Phthalate	1.14610	1.24242	1.24242	0.010	8.40409	20.00000	Averaged	
75 Acenaphthylene	1.69138	1.78965	1.78965	0.010	5.81023	20.00000	Averaged	
79 Acenaphthene	1.03549	1.08634	1.08634	0.010	4.91054	20.01000	Averaged	
83 4-Nitrophenol	0.21897	0.26643	0.26643	0.050	21.67710	20.00000	Averaged	
87 2,3,4,6-Tetrachlorophenol	0.29433	0.32246	0.32246	0.010	9.56078	20.00000	Averaged	
89 Diethylphthalate	1.23031	1.37813	1.37813	0.010	12.01560	20.00000	Averaged	
90 Fluorene	1.10365	1.19815	1.19815	0.010	8.56227	20.00000	Averaged	
91 4-Chlorophenyl-phenylether	0.52277	0.56636	0.56636	0.010	8.33764	20.00000	Averaged	
96 N-Nitrosodiphenylamine	0.53930	0.53121	0.53121	0.010	-1.49934	20.01000	Averaged	
105 4-Bromophenyl-phenylether	0.19337	0.19362	0.19362	0.010	0.12846	20.00000	Averaged	
116 Anthracene	0.92755	0.94949	0.94949	0.010	2.36476	20.00000	Averaged	
119 Carbazole	0.76156	0.79429	0.79429	0.010	4.29767	20.00000	Averaged	
121 Di-n-butylphthalate	1.17653	1.26658	1.26658	0.010	7.65417	20.00000	Averaged	
126 Fluoranthene	0.87103	0.92250	0.92250	0.010	5.90961	20.01000	Averaged	
135 Butylbenzylphthalate	0.67069	0.72593	0.72593	0.010	8.23547	20.00000	Averaged	
144 Di-n-octylphthalate	2.06792	2.03584	2.03584	0.010	-1.55136	20.01000	Averaged	
147 Benzo(k)fluoranthene	1.08703	1.08801	1.08801	0.010	0.09062	20.00000	Averaged	
155 Benzo(g,h,i)perylene	0.53867	0.60293	0.60293	0.010	11.92854	20.00000	Averaged	
8 2-Fluorophenol	1.24880	1.26787	1.26787	0.010	1.52716	20.00000	Averaged	
13 Phenol-D6	1.38761	1.41362	1.41362	0.010	1.87495	20.00000	Averaged	
33 Nitrobenzene-D5	0.33793	0.33700	0.33700	0.010	-0.27686	20.00000	Averaged	
63 2-Fluorobiphenyl	1.12476	1.14572	1.14572	0.010	1.86322	20.00000	Averaged	
100 2,4,6-Tribromophenol	0.19748	0.23284	0.23284	0.010	17.90562	20.00000	Averaged	
129 Terphenyl-D14	0.95836	1.04522	1.04522	0.010	9.06361	20.00000	Averaged	

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services	SDG: WE53-7
Project : NCTAMSLANT Cutler CTO WE53	Analytical Date: 07/12/14 08:16
Lab ID : WG146400-2	Instrument ID: GCMS-U
Lab File ID : U6399.D	Column ID:
Initial Calibration Date(s): 07/03/14 10:31 07/03/14 14:15	

* = Compound out of QC criteria

Data File: \\target_server\gg\chem\gcms-u.i\U071214.b\U6399.D
 Report Date: 16-Jul-2014 07:23

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-u.i\U071214.b\U6399.D
 Lab Smp Id: WG146400-2
 Inj Date : 12-JUL-2014 08:16 MS Autotune Date: 26-OCT-2013 10:51
 Operator : JCG Inst ID: gcms-u.i
 Smp Info : WG146400-2,WE53-7
 Misc Info : WG146400,WG145380,WG145897-4,SH4521-12
 Comment :
 Method : \\target_server\gg\chem\gcms-u.i\U071214.b\U8270C60.m
 Meth Date : 12-Jul-2014 08:53 cgomez Quant Type: ISTD
 Cal Date : 03-JUL-2014 14:15 Cal File: U6272.D
 Als bottle: 2 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all_DOD.sub
 Target Version: 4.12
 Processing Host: V200T4

Concentration Formula: Amt * DF * Uf*(Vt/Vo*Vi)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG						AMOUNTS		REVIEW CODE
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
1 1,4-Dioxane	58		3.011	3.011	(0.266)		132016	50.0000	50.6	
3 Pyridine	79		3.498	3.498	(0.412)		460523	50.0000	51.9	
2 N-Nitrosodimethylamine	42		3.467	3.467	(0.409)		234728	50.0000	49.6	
4 Ethyl Methacrylate	69		4.253	4.253	(0.501)		325076	50.0000	50.4	
5 2-Picoline	93		4.760	4.760	(0.561)		436507	50.0000	53.5	
6 N-Nitrosomethylethylamine	88		4.998	4.998	(0.589)		184402	50.0000	51.5	
7 Methyl Methanesulfonate	80		5.588	5.588	(0.659)		256984	50.0000	48.3	
\$ 8 2-Fluorophenol	112		5.951	5.951	(0.701)		391175	50.0000	50.8	
9 N-Nitrosodiethylamine	102		6.334	6.334	(0.746)		199734	50.0000	50.7	
10 Ethyl Methanesulfonate	79		6.996	6.996	(0.824)		303537	50.0000	49.6	
11 Benzaldehyde	77		7.576	7.576	(0.893)		36681	50.0000	8.96 (a)	
14 Pentachloroethane	117		7.876	7.876	(0.928)		150143	50.0000	51.2	
12 Aniline	93		7.834	7.834	(0.923)		597198	50.0000	50.8	
16 Bis(2-Chloroethyl)ether	93		8.010	8.010	(0.944)		368754	50.0000	50.4	
\$ 13 Phenol-D6	99		7.896	7.896	(0.930)		436143	50.0000	50.9	
15 Phenol	94		7.927	7.927	(0.934)		467734	50.0000	49.8	
17 2-Chlorophenol	128		8.072	8.072	(0.951)		391237	50.0000	50.5	
18 1,3-Dichlorobenzene	146		8.362	8.362	(0.985)		441465	50.0000	51.0	
* 19 1,4-Dichlorobenzene-D4	152		8.486	8.486	(1.000)		246823	40.0000		
20 1,4-Dichlorobenzene	146		8.528	8.528	(1.005)		444531	50.0000	50.8	

						AMOUNTS		
		QUANT SIG				CAL-AMT	ON-COL	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/ml)	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====
21 1,2-Dichlorobenzene	146	8.849	8.849	(1.043)	434839	50.0000	52.0	
22 Benzyl alcohol	108	8.880	8.880	(1.046)	277841	50.0000	54.2	
24 Bis(2-Chloroisopropyl) ether	45	9.201	9.201	(1.084)	647159	50.0000	51.1	
25 2,2'-Oxybis(1-chloropropane)	45	9.201	9.201	(1.084)	647159	50.0000	51.1	
23 2-Methylphenol	108	9.242	9.242	(1.089)	383321	50.0000	51.7 (M)	M9
27 Acetophenone	105	9.408	9.408	(0.832)	547388	50.0000	50.4	
32 Hexachloroethane	117	9.573	9.573	(1.128)	182843	50.0000	50.8	
26 N-Nitrosopyrrolidine	100	9.387	9.387	(1.106)	192649	50.0000	51.7	
29 o-Toluidine	106	9.490	9.490	(1.118)	588747	50.0000	51.5	
28 N-Nitrosomorpholine	56	9.459	9.459	(1.115)	293882	50.0000	51.4	
30 N-Nitroso-di-n-propylamine	70	9.501	9.501	(1.120)	293511	50.0000	50.7	
31 3&4-Methylphenol	108	9.573	9.573	(1.128)	384130	50.0000	50.8	
\$ 33 Nitrobenzene-D5	82	9.718	9.718	(0.860)	421354	50.0000	49.9	
34 Nitrobenzene	77	9.759	9.759	(0.864)	409916	50.0000	49.3	
35 N-Nitrosopiperidine	114	10.091	10.091	(0.893)	200145	50.0000	50.1	
36 Isophorone	82	10.339	10.339	(0.915)	785318	50.0000	50.0	
37 2-Nitrophenol	139	10.474	10.474	(0.927)	222627	50.0000	50.8	
38 2,4-Dimethylphenol	107	10.732	10.732	(0.950)	425478	50.0000	51.3	
40 Bis(2-Chloroethoxy)methane	93	10.908	10.908	(0.965)	576262	50.0000	53.2	
39 O,O,O-Triethylphosphorothioat	198	10.888	10.888	(0.963)	164350	50.0000	52.4	
41 2,4-Dichlorophenol	162	11.064	11.064	(0.979)	316756	50.0000	52.9	
43 1,2,4-Trichlorobenzene	180	11.208	11.208	(0.992)	345863	50.0000	51.8	
* 44 Naphthalene-D8	136	11.302	11.302	(1.000)	1000261	40.0000		
42 Benzoic acid	122	11.126	11.126	(0.984)	177920	50.0000	45.1	
45 Naphthalene	128	11.353	11.353	(1.005)	1054544	50.0000	50.8	
49 A,A-Dimethylphenethylamine	58	11.695	11.695	(1.035)	1156065	50.0000	58.4 (M)	M9
48 Hexachloropropene	213	11.591	11.591	(1.026)	235627	50.0000	54.8	
47 2,6-Dichlorophenol	162	11.571	11.571	(1.024)	278166	50.0000	52.7	
46 4-Chloroaniline	127	11.560	11.560	(1.023)	434748	50.0000	51.2	
50 Hexachlorobutadiene	225	11.736	11.736	(1.038)	191547	50.0000	50.9	
53 N-Nitroso-Di-N-Butylamine	84	12.450	12.450	(1.102)	341369	50.0000	58.8	
52 Caprolactam	113	12.471	12.471	(1.103)	115478	50.0000	53.2	
51 p-Phenylenediamine	108	12.440	12.440	(1.101)	331876	50.0000	55.7	
55 Isosafrole	162	12.875	12.875	(1.139)	272432	50.0000	54.4	
56 2-Methylnaphthalene	142	12.989	12.989	(1.149)	748892	50.0000	51.6	
54 4-Chloro-3-Methylphenol	107	12.844	12.844	(1.136)	359214	50.0000	53.1	
57 1-Methylnaphthalene	142	13.206	13.206	(1.169)	695159	50.0000	51.3	
59 1,2,4,5-Tetrachlorobenzene	216	13.403	13.403	(0.870)	308839	50.0000	51.6	
60 Hexachlorocyclopentadiene	237	13.413	13.413	(0.870)	235228	50.0000	51.7	
61 2,4,6-Trichlorophenol	196	13.724	13.724	(0.891)	221213	50.0000	51.5	
\$ 63 2-Fluorobiphenyl	172	13.920	13.920	(0.903)	698608	50.0000	50.9	
62 2,4,5-Trichlorophenol	196	13.817	13.817	(0.897)	241569	50.0000	52.8	
64 Safrole	104	14.096	14.096	(0.915)	149430	50.0000	53.1	
65 2-Chloronaphthalene	162	14.106	14.106	(0.915)	909530	50.0000	51.0	
66 1,1'-Biphenyl	154	14.127	14.127	(0.917)	789117	50.0000	50.2	
67 1-Chloronaphthalene	162	14.148	14.148	(0.918)	645825	50.0000	54.7	
68 Diphenylether	170	14.396	14.396	(0.934)	406657	50.0000	50.2	
69 2-Nitroaniline	65	14.427	14.427	(0.936)	261821	50.0000	50.6	
70 1,4-Naphthoquinone	158	14.541	14.541	(0.944)	136181	50.0000	43.0	
71 1,4-Dinitrobenzene	75	14.748	14.748	(0.957)	150322	50.0000	53.1	
75 Acenaphthylene	152	15.059	15.059	(0.977)	1091249	50.0000	52.9	
73 Dimethyl Phthalate	163	14.976	14.976	(0.972)	757575	50.0000	54.2	
72 1,3-Dinitrobenzene	168	14.955	14.955	(0.970)	123201	50.0000	55.6	
74 2,6-Dinitrotoluene	165	15.048	15.048	(0.976)	175177	50.0000	56.6	

DJP
7:36 am, Jul 16, 2014

Data File: \\target_server\gg\chem\gcms-u.i\U071214.b\U6399.D
Report Date: 16-Jul-2014 07:23

Compounds	QUANT SIG			RESPONSE	AMOUNTS		REVIEW CODE
	MASS	RT	EXP RT		CAL-AMT (ug/ml)	ON-COL (ug/ml)	
=====	=====	=====	=====	=====	=====	=====	=====
76 1,2-Dinitrobenzene	50	15.142	15.142	(0.983)	139440	50.0000	54.2
* 78 Acenaphthene-D10	164	15.411	15.411	(1.000)	487805	40.0000	
79 Acenaphthene	153	15.493	15.493	(1.005)	662404	50.0000	52.4
77 3-Nitroaniline	138	15.431	15.431	(1.001)	203969	50.0000	53.4
80 2,4-Dinitrophenol	184	15.690	15.690	(1.018)	114774	50.0000	56.1
82 Dibenzofuran	168	15.907	15.907	(1.032)	885488	50.0000	52.8
81 Pentachlorobenzene	250	15.835	15.835	(1.028)	290651	50.0000	53.3
85 1-Naphthylamine	143	16.104	16.104	(1.045)	770588	50.0000	54.4
84 2,4-Dinitrotoluene	165	16.001	16.001	(1.038)	229426	50.0000	55.6
86 2,3,5,6-Tetrachlorophenol	232	16.177	16.177	(1.050)	206547	50.0000	56.5
88 2-Naphthylamine	143	16.311	16.311	(1.058)	753419	50.0000	54.3
83 4-Nitrophenol	139	16.021	16.021	(1.040)	162459	50.0000	60.8
87 2,3,4,6-Tetrachlorophenol	232	16.280	16.280	(1.056)	196625	50.0000	54.8
90 Fluorene	166	16.715	16.715	(1.085)	730581	50.0000	54.3
89 Diethylphthalate	149	16.673	16.673	(1.082)	840326	50.0000	56.0
91 4-Chlorophenyl-phenylether	204	16.808	16.808	(1.091)	345339	50.0000	54.2
93 O,O-diethyl-o-2-pyrazinylphos	107	16.839	16.839	(1.093)	163862	50.0000	55.2
92 5-Nitro-O-Toluidine	152	16.839	16.839	(1.093)	208165	50.0000	55.2
94 4-Nitroaniline	138	16.891	16.891	(1.096)	179142	50.0000	55.8
95 4,6-Dinitro-2-Methylphenol	198	16.963	16.963	(0.897)	140744	50.0000	52.5
96 N-Nitrosodiphenylamine	169	17.108	17.108	(0.905)	602315	50.0000	49.2
97 N-Nitrosodiphenylamine/DPA	169	17.108	17.108	(0.905)	602315	50.0000	49.2
98 1,2-Diphenylhydrazine	77	17.170	17.170	(0.908)	854935	50.0000	47.1
99 Azobenzene	77	17.170	17.170	(0.908)	854935	50.0000	47.1
\$ 100 2,4,6-Tribromophenol	330	17.305	17.305	(1.123)	141974	50.0000	59.0
101 Sulfotepp	97	17.646	17.646	(0.933)	151735	50.0000	51.2
103 Diallate	86	17.864	17.864	(0.945)	313095	50.0000	49.9
105 4-Bromophenyl-phenylether	248	17.946	17.946	(0.949)	219532	50.0000	50.1
104 Phorate	75	17.864	17.864	(0.945)	678541	50.0000	53.1
102 1,3,5-Trinitrobenzene	213	17.874	17.874	(0.945)	57103	50.0000	53.2
106 Phenacetin	108	18.019	18.019	(0.953)	426588	50.0000	55.9
107 Hexachlorobenzene	284	18.040	18.040	(0.954)	268571	50.0000	52.2
108 Dimethoate	87	18.257	18.257	(0.966)	307037	50.0000	58.6
109 Atrazine	200	18.516	18.516	(0.979)	184058	50.0000	57.0
111 4-Aminobiphenyl	169	18.578	18.578	(0.982)	665000	50.0000	49.2
110 Pentachlorophenol	266	18.557	18.557	(0.981)	170471	50.0000	53.6
112 Pentachloronitrobenzene	237	18.578	18.578	(0.982)	94914	50.0000	51.5
* 114 Phenanthrene-D10	188	18.909	18.909	(1.000)	907084	40.0000	
113 Pronamide	173	18.878	18.878	(0.998)	341316	50.0000	54.2
115 Phenanthrene	178	18.971	18.971	(1.003)	1106574	50.0000	50.5
116 Anthracene	178	19.085	19.085	(1.009)	1076580	50.0000	51.2
118 Disulfoton	88	19.116	19.116	(1.011)	479556	50.0000	52.7
117 Dinoseb	211	19.106	19.106	(1.010)	170188	50.0000	53.2
119 Carbazole	167	19.540	19.540	(1.033)	900610	50.0000	52.1
120 Methyl Parathion	109	19.965	19.965	(1.056)	278559	50.0000	55.4
121 Di-n-butylphthalate	149	20.606	20.606	(1.090)	1436118	50.0000	53.8
122 4-Nitroquinoline-1-Oxide	190	20.844	20.844	(1.102)	75669	50.0000	59.6
123 Ethyl Parathion	291	20.948	20.948	(1.108)	76429	50.0000	56.1
124 Methapyrilene	97	20.948	20.948	(1.108)	178577	50.0000	54.1
125 Isodrin	193	21.424	21.424	(1.133)	137521	50.0000	52.7
126 Fluoranthene	202	21.776	21.776	(1.152)	1045986	50.0000	53.0
128 Pyrene	202	22.283	22.283	(0.885)	1061596	50.0000	53.8
127 Benzidine	184	22.221	22.221	(0.882)	189626	50.0000	36.3 (a)
\$ 129 Terphenyl-D14	244	22.821	22.821	(0.906)	704764	50.0000	54.5

Data File: \\target_server\gg\chem\gcms-u.i\U071214.b\U6399.D
 Report Date: 16-Jul-2014 07:23

Compounds	QUANT SIG			RESPONSE	AMOUNTS		REVIEW CODE
	MASS	RT	EXP RT	REL RT	CAL-AMT (ug/ml)	ON-COL (ug/ml)	
=====	=====	=====	=====	=====	=====	=====	=====
130 Aramite	185	23.121	23.121	(0.918)	67164	50.0000	57.0
131 p-Dimethylaminoazobenzene	225	23.184	23.184	(0.920)	182967	50.0000	54.7
132 Chlorobenzilate	251	23.360	23.360	(0.927)	277764	50.0000	55.5
134 3,3'-Dimethylbenzidine	212	23.981	23.981	(0.952)	164147	50.0000	31.3
135 Butylbenzylphthalate	149	24.125	24.125	(0.958)	489473	50.0000	54.1
136 Bis(2-ethylhexyl)adipate	129	24.488	24.488	(0.972)	444130	50.0000	53.8
137 2-Acetylaminofluorene	181	24.570	24.570	(0.975)	239173	50.0000	57.3
139 Benzo(a)anthracene	228	25.160	25.160	(0.999)	670332	50.0000	52.9
* 140 Chrysene-D12	240	25.191	25.191	(1.000)	539419	40.0000	
142 Chrysene	228	25.243	25.243	(1.002)	602601	50.0000	52.3
141 3,3'-Dichlorobenzidine	252	25.212	25.212	(1.001)	181913	50.0000	53.9
143 bis(2-Ethylhexyl)phthalate	149	25.616	25.616	(1.017)	650607	50.0000	53.5
144 Di-n-octylphthalate	149	27.075	27.075	(0.956)	963361	50.0000	49.2
145 Benzo(b)fluoranthene	252	27.551	27.551	(0.973)	521978	50.0000	52.2
146 7,12-Dimethylbenz (A) Anthracen	256	27.572	27.572	(0.974)	252719	50.0000	50.3
147 Benzo(k)fluoranthene	252	27.613	27.613	(0.976)	514849	50.0000	50.0 (H)
148 Benzo(a)pyrene	252	28.183	28.183	(0.996)	431706	50.0000	52.7
* 149 Perylene-D12	264	28.307	28.307	(1.000)	378561	40.0000	
150 3-Methylcholanthrene	268	28.928	28.928	(1.022)	202578	50.0000	56.9
152 Dibenz(a,j)acridine	279	30.087	30.087	(1.063)	230582	50.0000	62.2
153 Indeno(1,2,3-cd)pyrene	276	30.429	30.429	(1.075)	273396	50.0000	58.2
154 Dibenzo(a,h)anthracene	278	30.511	30.511	(1.078)	269202	50.0000	55.9
155 Benzo(g,h,i)perylene	276	31.019	31.019	(1.096)	285306	50.0000	56.0
M 156 Total PAHs	100				12842935	850.000	952

QC Flag Legend

a - Target compound detected but, quantitated amount
 Below Limit Of Quantitation(BLOQ).
 M - Compound response manually integrated.
 H - Operator selected an alternate compound hit.

Data File: \\target_server\gs\chem\goms-u,i\U071214,b\U6399.D

Date : 12-JUL-2014 08:16

Client ID:

Sample Info: WJ146400-2,ME53-7

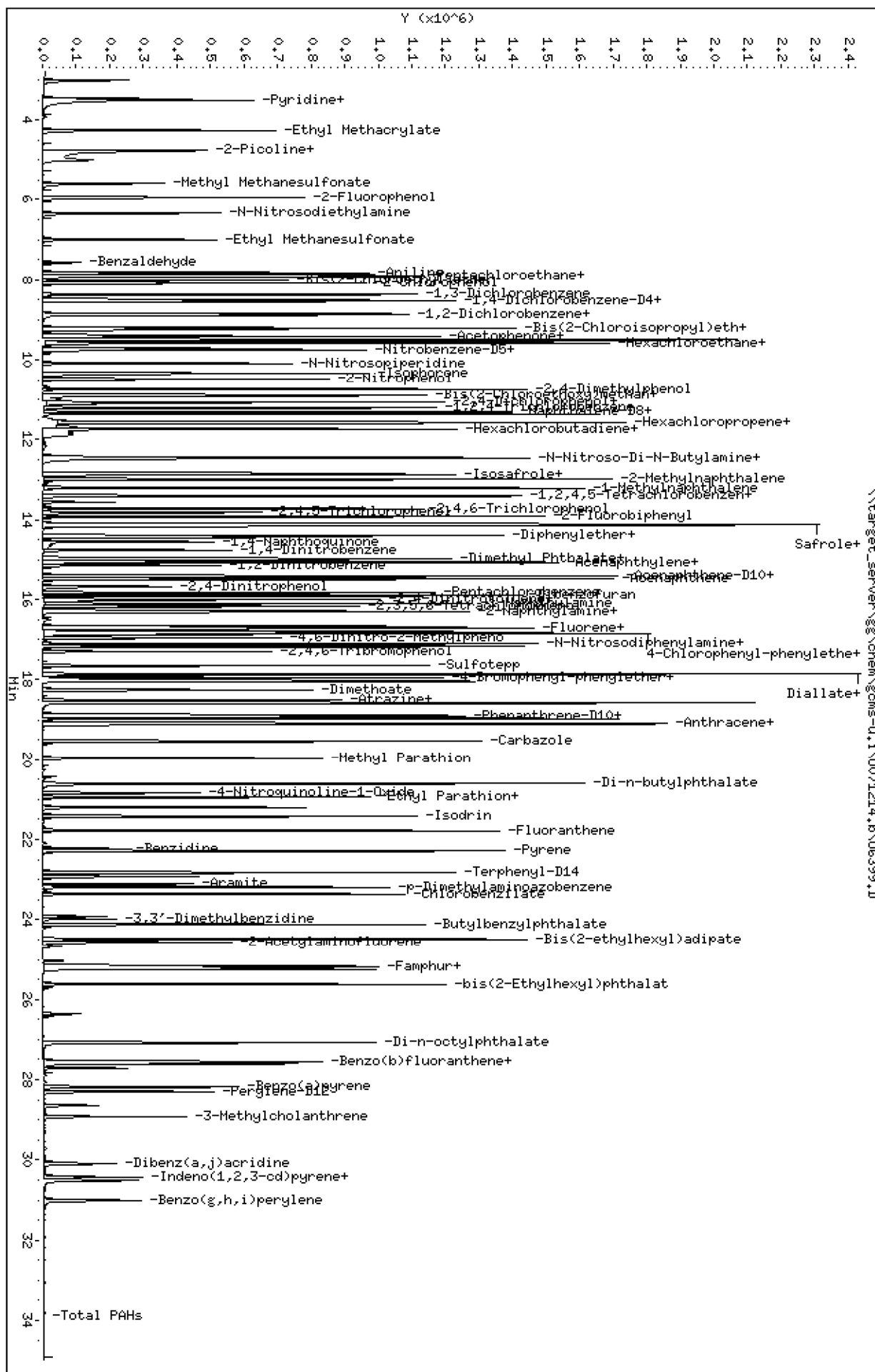
Volume Injected (uL): 1.0

Column phase: ZB5-MS

Instrument: goms-u,i

Operator: JCG

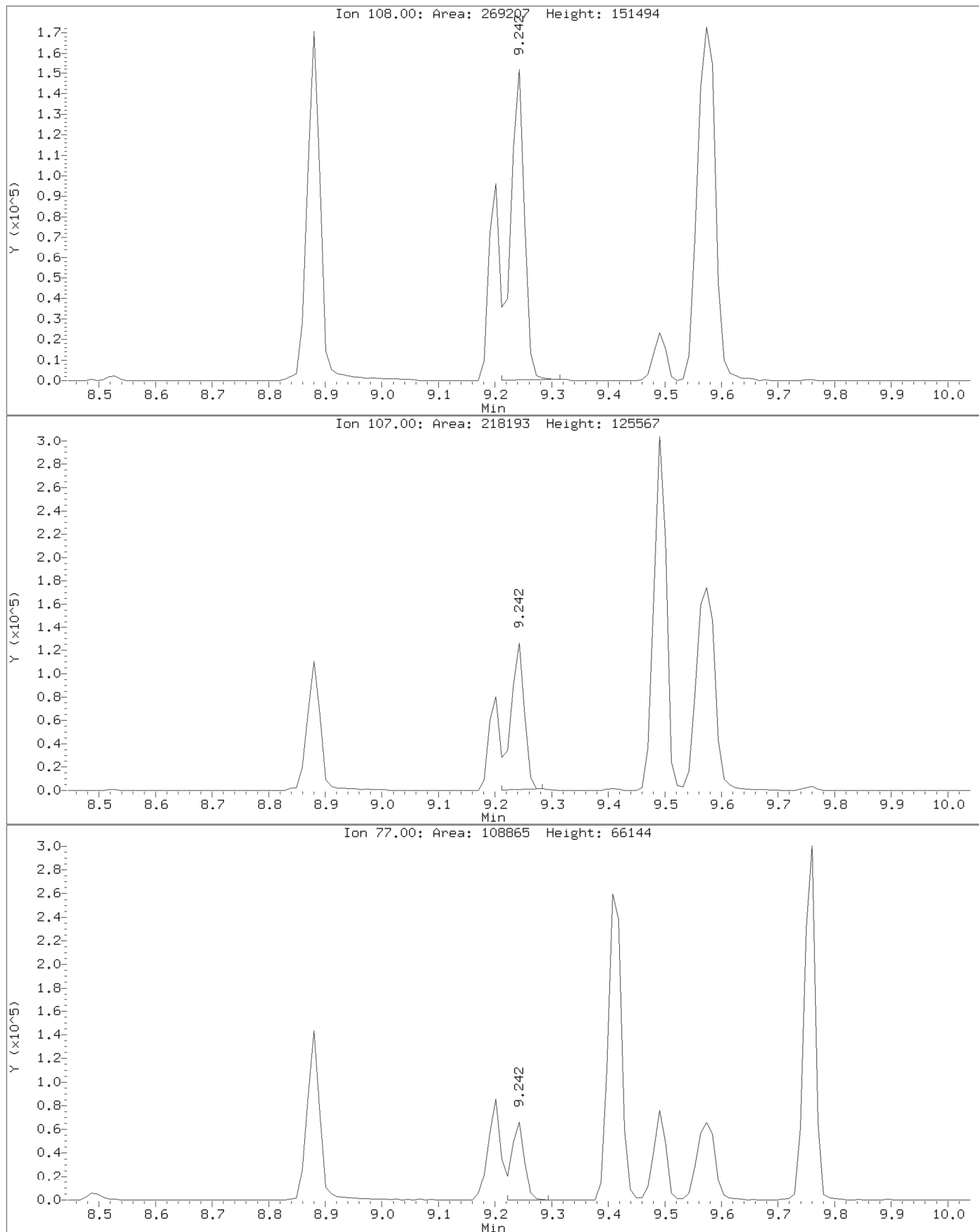
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Injection Date: 12-JUL-2014 08:16
Instrument: gcms-u.i
Client Sample ID:

Compound: 2-Methylphenol
CAS Number: 95-48-7

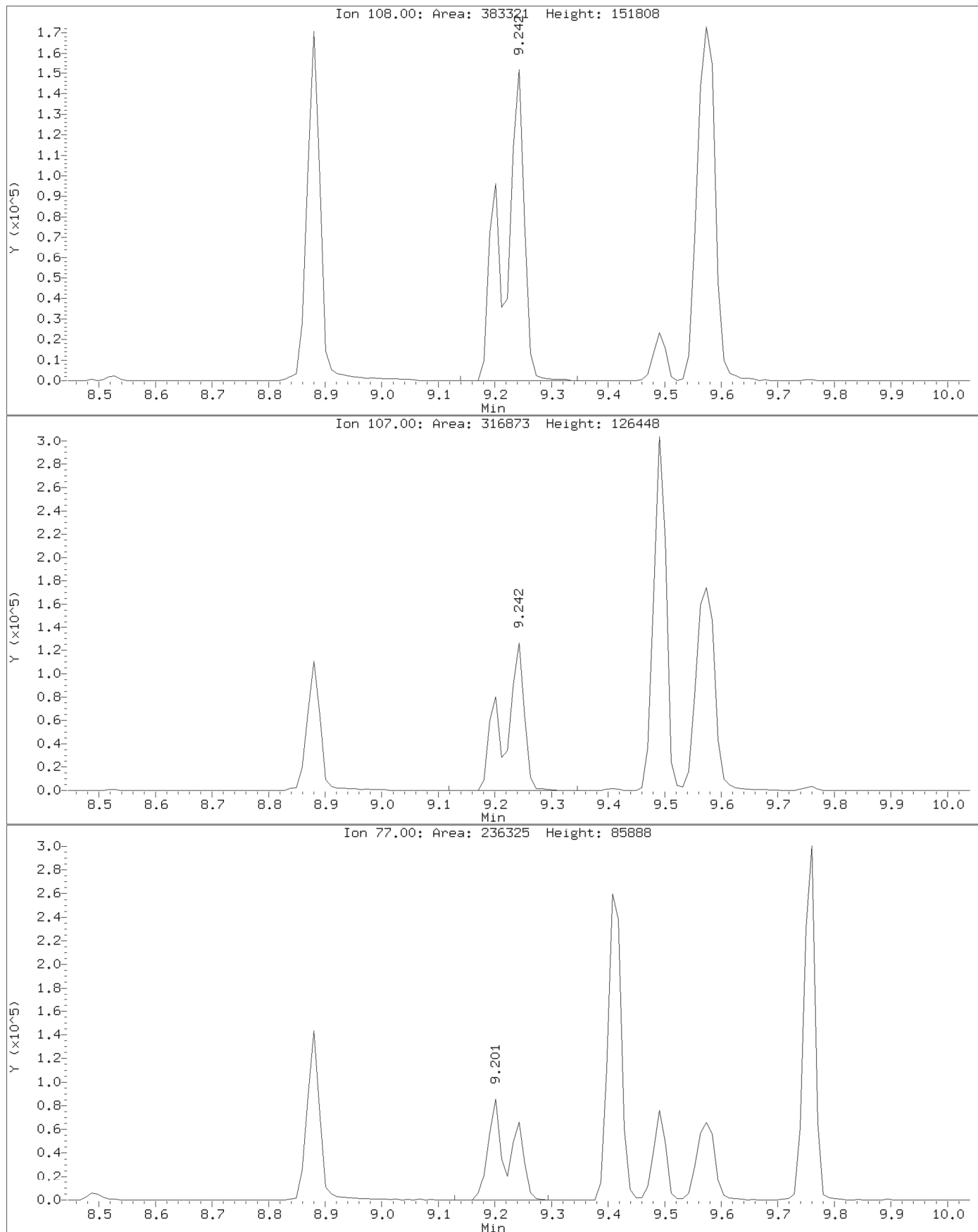
BEFORE MANUAL INTEGRATION



Data File: \\target_server\gg\chem\gcms-u.i\U071214.b\U6399.D
Injection Date: 12-JUL-2014 08:16
Instrument: gcms-u.i
Client Sample ID:

Compound: 2-Methylphenol
CAS Number: 95-48-7

AFTER MANUAL INTEGRATION



Form 7

Calibration Verification Summary

Lab Name : Katahdin Analytical Services

Project : NCTAMSLANT Cutler CTO WE53

Lab ID : WG146446-2

Lab File ID : U6417.D

SDG: WE53-7

Analytical Date: 07/14/14 09:35

Instrument ID: GCMS-U

Initial Calibration Date(s): 07/03/14 10:31 07/03/14 14:15

Column ID:

Compound	RRF/Amount	RF50	CCAL RRF50	Min	%D/ %Drift	Max %D/ %Drift	Curve Type	
11 Benzaldehyde	0.66318	0.07551	0.07551	0.010	-88.61351	20.00000	Averaged	*
15 Phenol	1.52318	1.51855	1.51855	0.010	-0.30414	20.01000	Averaged	
23 2-Methylphenol	1.20141	1.19016	1.19016	0.010	-0.93620	20.00000	Averaged	
27 Acetophenone	0.43436	0.42876	0.42876	0.010	-1.28996	20.00000	Averaged	
36 Isophorone	0.62758	0.61714	0.61714	0.010	-1.66453	20.00000	Averaged	
37 2-Nitrophenol	0.17510	0.17662	0.17662	0.010	0.86524	20.01000	Averaged	
38 2,4-Dimethylphenol	0.33185	0.33000	0.33000	0.010	-0.55645	20.00000	Averaged	
40 Bis(2-Chloroethoxy)methane	0.43316	0.44771	0.44771	0.010	3.35716	20.00000	Averaged	
52 Caprolactam	0.08672	0.08505	0.08505	0.010	-1.92820	20.00000	Averaged	
54 4-Chloro-3-Methylphenol	0.27066	0.26337	0.26337	0.010	-2.69334	20.01000	Averaged	
62 2,4,5-Trichlorophenol	0.37531	0.38288	0.38288	0.010	2.01808	20.00000	Averaged	
65 2-Chloronaphthalene	1.46273	1.53175	1.53175	0.010	4.71855	20.00000	Averaged	
73 Dimethyl Phthalate	1.14610	1.17570	1.17570	0.010	2.58221	20.00000	Averaged	
75 Acenaphthylene	1.69138	1.75501	1.75501	0.010	3.76210	20.00000	Averaged	
79 Acenaphthene	1.03549	1.06739	1.06739	0.010	3.07985	20.01000	Averaged	
83 4-Nitrophenol	0.21897	0.23240	0.23240	0.050	6.13471	20.00000	Averaged	
87 2,3,4,6-Tetrachlorophenol	0.29433	0.29428	0.29428	0.010	-0.01511	20.00000	Averaged	
89 Diethylphthalate	1.23031	1.24617	1.24617	0.010	1.28933	20.00000	Averaged	
90 Fluorene	1.10365	1.13896	1.13896	0.010	3.19875	20.00000	Averaged	
91 4-Chlorophenyl-phenylether	0.52277	0.53647	0.53647	0.010	2.62026	20.00000	Averaged	
96 N-Nitrosodiphenylamine	0.53930	0.55256	0.55256	0.010	2.45885	20.01000	Averaged	
105 4-Bromophenyl-phenylether	0.19337	0.19818	0.19818	0.010	2.48904	20.00000	Averaged	
116 Anthracene	0.92755	0.94680	0.94680	0.010	2.07507	20.00000	Averaged	
119 Carbazole	0.76156	0.79551	0.79551	0.010	4.45720	20.00000	Averaged	
121 Di-n-butylphthalate	1.17653	1.17194	1.17194	0.010	-0.38964	20.00000	Averaged	
126 Fluoranthene	0.87103	0.89450	0.89450	0.010	2.69505	20.01000	Averaged	
135 Butylbenzylphthalate	0.67069	0.63866	0.63866	0.010	-4.77535	20.00000	Averaged	
144 Di-n-octylphthalate	2.06792	1.79921	1.79921	0.010	-12.99406	20.01000	Averaged	
147 Benzo(k)fluoranthene	1.08703	1.03593	1.03593	0.010	-4.70075	20.00000	Averaged	
155 Benzo(g,h,i)perylene	0.53867	0.61067	0.61067	0.010	13.36551	20.00000	Averaged	
8 2-Fluorophenol	1.24880	1.25757	1.25757	0.010	0.70227	20.00000	Averaged	
13 Phenol-D6	1.38761	1.42431	1.42431	0.010	2.64502	20.00000	Averaged	
33 Nitrobenzene-D5	0.33793	0.33867	0.33867	0.010	0.21912	20.00000	Averaged	
63 2-Fluorobiphenyl	1.12476	1.18086	1.18086	0.010	4.98815	20.00000	Averaged	
100 2,4,6-Tribromophenol	0.19748	0.20568	0.20568	0.010	4.15236	20.00000	Averaged	
129 Terphenyl-D14	0.95836	0.85653	0.85653	0.010	-10.62571	20.00000	Averaged	

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services
Project : NCTAMSLANT Cutler CTO WE53
Lab ID : WG146446-2
Lab File ID : U6417.D
Initial Calibration Date(s): 07/03/14 10:31 07/03/14 14:15

SDG: WE53-7
Analytical Date: 07/14/14 09:35
Instrument ID: GCMS-U
Column ID:

* = Compound out of QC criteria

Form 7

Calibration Verification Summary

Lab Name : Katahdin Analytical Services

Project : NCTAMSLANT Cutler CTO WE53

SDG: WE53-7

Lab ID : WG146446-2

Analytical Date: 07/14/14 09:35

Lab File ID : U6417.D

Instrument ID: GCMS-U

Initial Calibration Date(s): 07/03/14 10:31 07/03/14 14:15

Column ID:

Compound	RRF/Amount	RF50	CCAL RRF50	Min	%D/ %Drift	Max %D/ %Drift	Curve Type	
11 Benzaldehyde	0.66318	0.07551	0.07551	0.010	-88.61351	20.00000	Averaged	*
15 Phenol	1.52318	1.51855	1.51855	0.010	-0.30414	20.01000	Averaged	
36 Isophorone	0.62758	0.61714	0.61714	0.010	-1.66453	20.00000	Averaged	
37 2-Nitrophenol	0.17510	0.17662	0.17662	0.010	0.86524	20.01000	Averaged	
38 2,4-Dimethylphenol	0.33185	0.33000	0.33000	0.010	-0.55645	20.00000	Averaged	
40 Bis(2-Chloroethoxy)methane	0.43316	0.44771	0.44771	0.010	3.35716	20.00000	Averaged	
41 2,4-Dichlorophenol	0.23950	0.25078	0.25078	0.010	4.70954	20.01000	Averaged	
52 Caprolactam	0.08672	0.08505	0.08505	0.010	-1.92820	20.00000	Averaged	
54 4-Chloro-3-Methylphenol	0.27066	0.26337	0.26337	0.010	-2.69334	20.01000	Averaged	
56 2-Methylnaphthalene	0.58020	0.58280	0.58280	0.010	0.44899	20.00000	Averaged	
60 Hexachlorocyclopentadiene	0.37305	0.40851	0.40851	0.050	9.50587	20.00000	Averaged	
62 2,4,5-Trichlorophenol	0.37531	0.38288	0.38288	0.010	2.01808	20.00000	Averaged	
69 2-Nitroaniline	0.42459	0.37584	0.37584	0.010	-11.48158	20.00000	Averaged	
73 Dimethyl Phthalate	1.14610	1.17570	1.17570	0.010	2.58221	20.00000	Averaged	
75 Acenaphthylene	1.69138	1.75501	1.75501	0.010	3.76210	20.00000	Averaged	
77 3-Nitroaniline	0.31306	0.30051	0.30051	0.010	-4.00922	20.00000	Averaged	
82 Dibenzofuran	1.37647	1.42034	1.42034	0.010	3.18709	20.00000	Averaged	
83 4-Nitrophenol	0.21897	0.23240	0.23240	0.050	6.13471	20.00000	Averaged	
89 Diethylphthalate	1.23031	1.24617	1.24617	0.010	1.28933	20.00000	Averaged	
90 Fluorene	1.10365	1.13896	1.13896	0.010	3.19875	20.00000	Averaged	
91 4-Chlorophenyl-phenylether	0.52277	0.53647	0.53647	0.010	2.62026	20.00000	Averaged	
105 4-Bromophenyl-phenylether	0.19337	0.19818	0.19818	0.010	2.48904	20.00000	Averaged	
115 Phenanthrene	0.96685	0.96724	0.96724	0.010	0.04004	20.00000	Averaged	
116 Anthracene	0.92755	0.94680	0.94680	0.010	2.07507	20.00000	Averaged	
119 Carbazole	0.76156	0.79551	0.79551	0.010	4.45720	20.00000	Averaged	
126 Fluoranthene	0.87103	0.89450	0.89450	0.010	2.69505	20.01000	Averaged	
128 Pyrene	1.46218	1.29537	1.29537	0.010	-11.40836	20.00000	Averaged	
142 Chrysene	0.85505	0.85031	0.85031	0.010	-0.55421	20.00000	Averaged	
143 bis(2-Ethylhexyl)phthalate	0.90229	0.87396	0.87396	0.010	-3.14024	20.00000	Averaged	
144 Di-n-octylphthalate	2.06792	1.79921	1.79921	0.010	-12.99406	20.01000	Averaged	
147 Benzo(k)fluoranthene	1.08703	1.03593	1.03593	0.010	-4.70075	20.00000	Averaged	
154 Dibenzo(a,h)anthracene	0.50860	0.56654	0.56654	0.010	11.39388	20.00000	Averaged	
155 Benzo(g,h,i)perylene	0.53867	0.61067	0.61067	0.010	13.36551	20.00000	Averaged	
8 2-Fluorophenol	1.24880	1.25757	1.25757	0.010	0.70227	20.00000	Averaged	
13 Phenol-D6	1.38761	1.42431	1.42431	0.010	2.64502	20.00000	Averaged	
33 Nitrobenzene-D5	0.33793	0.33867	0.33867	0.010	0.21912	20.00000	Averaged	
63 2-Fluorobiphenyl	1.12476	1.18086	1.18086	0.010	4.98815	20.00000	Averaged	
100 2,4,6-Tribromophenol	0.19748	0.20568	0.20568	0.010	4.15236	20.00000	Averaged	
129 Terphenyl-D14	0.95836	0.85653	0.85653	0.010	-10.62571	20.00000	Averaged	

Form 7
Calibration Verification Summary

Lab Name : Katahdin Analytical Services	SDG: WE53-7
Project : NCTAMSLANT Cutler CTO WE53	Analytical Date: 07/14/14 09:35
Lab ID : WG146446-2	Instrument ID: GCMS-U
Lab File ID : U6417.D	Column ID:
Initial Calibration Date(s): 07/03/14 10:31 07/03/14 14:15	

* = Compound out of QC criteria

Data File: \\target_server\gg\chem\gcms-u.i\U071414.b\U6417.D
 Report Date: 16-Jul-2014 07:29

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-u.i\U071414.b\U6417.D
 Lab Smp Id: WG146446-2
 Inj Date : 14-JUL-2014 09:35 MS Autotune Date: 26-OCT-2013 10:51
 Operator : JCG Inst ID: gcms-u.i
 Smp Info : WG146446-2,WE53-7
 Misc Info : WG146446,WG145380,WG145897-4,SH4521-24
 Comment :
 Method : \\target_server\gg\chem\gcms-u.i\U071414.b\U8270C60.m
 Meth Date : 16-Jul-2014 07:27 gcms-u.i Quant Type: ISTD
 Cal Date : 03-JUL-2014 14:15 Cal File: U6272.D
 Als bottle: 2 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all_DOD.sub
 Target Version: 4.12

Concentration Formula: Amt * DF * Uf*(Vt/Vo*Vi)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG						AMOUNTS		REVIEW CODE
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)	
1 1,4-Dioxane	58			3.011	3.011	(0.266)	142838	50.0000	53.9	
3 Pyridine	79			3.508	3.508	(0.413)	456213	50.0000	49.0 (a)	
2 N-Nitrosodimethylamine	42			3.466	3.466	(0.408)	259100	50.0000	52.1	
4 Ethyl Methacrylate	69			4.253	4.253	(0.501)	346419	50.0000	51.2	
5 2-Picoline	93			4.791	4.791	(0.565)	314394	50.0000	36.7	
6 N-Nitrosomethylethylamine	88			4.998	4.998	(0.589)	192183	50.0000	51.2	
7 Methyl Methanesulfonate	80			5.588	5.588	(0.659)	267706	50.0000	48.0	
\$ 8 2-Fluorophenol	112			5.961	5.961	(0.702)	407214	50.0000	50.4	
9 N-Nitrosodiethylamine	102			6.333	6.333	(0.746)	207877	50.0000	50.3	
10 Ethyl Methanesulfonate	79			6.996	6.996	(0.824)	316848	50.0000	49.3	
11 Benzaldehyde	77			7.575	7.575	(0.893)	24452	50.0000	5.69 (a)	
14 Pentachloroethane	117			7.875	7.875	(0.928)	162539	50.0000	52.8	
12 Aniline	93			7.834	7.834	(0.923)	575863	50.0000	46.7	
16 Bis(2-Chloroethyl)ether	93			8.010	8.010	(0.944)	381978	50.0000	49.8	
\$ 13 Phenol-D6	99			7.906	7.906	(0.932)	461205	50.0000	51.3	
15 Phenol	94			7.937	7.937	(0.935)	491722	50.0000	49.8	
17 2-Chlorophenol	128			8.082	8.082	(0.952)	406301	50.0000	50.0	
18 1,3-Dichlorobenzene	146			8.362	8.362	(0.985)	468460	50.0000	51.6	
* 19 1,4-Dichlorobenzene-D4	152			8.486	8.486	(1.000)	259048	40.0000		
20 1,4-Dichlorobenzene	146			8.527	8.527	(1.005)	475307	50.0000	51.8	
21 1,2-Dichlorobenzene	146			8.838	8.838	(1.041)	449939	50.0000	51.3	

						AMOUNTS		
		QUANT		SIG		CAL-AMT	ON-COL	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/ml)	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====
22 Benzyl alcohol	108	8.879	8.879	(1.046)	266195	50.0000	49.5	
24 Bis(2-Chloroisopropyl) ether	45	9.200	9.200	(1.084)	668700	50.0000	50.3	
25 2,2'-Oxybis(1-chloropropane)	45	9.200	9.200	(1.084)	668700	50.0000	50.3	
23 2-Methylphenol	108	9.242	9.242	(1.089)	385386	50.0000	49.5 (M)	M9
27 Acetophenone	105	9.407	9.407	(0.832)	544440	50.0000	49.4	
32 Hexachloroethane	117	9.562	9.562	(1.127)	194725	50.0000	51.5	
26 N-Nitrosopyrrolidine	100	9.397	9.397	(1.107)	194158	50.0000	49.6	
29 o-Toluidine	106	9.490	9.490	(1.118)	475299	50.0000	39.6	
28 N-Nitrosomorpholine	56	9.469	9.469	(1.116)	303084	50.0000	50.5	
30 N-Nitroso-di-n-propylamine	70	9.500	9.500	(1.120)	294846	50.0000	48.6	
31 3&4-Methylphenol	108	9.583	9.583	(1.129)	394680	50.0000	49.7	
\$ 33 Nitrobenzene-D5	82	9.707	9.707	(0.859)	430044	50.0000	50.1	
34 Nitrobenzene	77	9.759	9.759	(0.864)	421447	50.0000	49.9	
35 N-Nitrosopiperidine	114	10.090	10.090	(0.893)	203842	50.0000	50.3	
36 Isophorone	82	10.339	10.339	(0.915)	783637	50.0000	49.2	
37 2-Nitrophenol	139	10.473	10.473	(0.927)	224269	50.0000	50.4	
38 2,4-Dimethylphenol	107	10.732	10.732	(0.950)	419036	50.0000	49.7	
40 Bis(2-Chloroethoxy)methane	93	10.908	10.908	(0.965)	568496	50.0000	51.7	
39 O,O,O-Triethylphosphorothioat	198	10.887	10.887	(0.963)	162409	50.0000	51.0	
41 2,4-Dichlorophenol	162	11.074	11.074	(0.980)	318441	50.0000	52.4	
43 1,2,4-Trichlorobenzene	180	11.208	11.208	(0.992)	358410	50.0000	52.9	
* 44 Naphthalene-D8	136	11.301	11.301	(1.000)	1015838	40.0000		
42 Benzoic acid	122	11.146	11.146	(0.986)	205080	50.0000	51.2	
45 Naphthalene	128	11.353	11.353	(1.005)	1062023	50.0000	50.4	
48 Hexachloropropene	213	11.591	11.591	(1.026)	232991	50.0000	53.4	
47 2,6-Dichlorophenol	162	11.570	11.570	(1.024)	275738	50.0000	51.4	
46 4-Chloroaniline	127	11.560	11.560	(1.023)	412226	50.0000	47.8	
50 Hexachlorobutadiene	225	11.736	11.736	(1.038)	201462	50.0000	52.7	
53 N-Nitroso-Di-N-Butylamine	84	12.450	12.450	(1.102)	332003	50.0000	56.3	
52 Caprolactam	113	12.471	12.471	(1.103)	107990	50.0000	49.0	
51 p-Phenylenediamine	108	12.657	12.657	(1.120)	166712	50.0000	27.6 (MH)	M9
55 Isosafrole	162	12.864	12.864	(1.138)	262596	50.0000	51.6	
56 2-Methylnaphthalene	142	12.978	12.978	(1.148)	740044	50.0000	50.2	
54 4-Chloro-3-Methylphenol	107	12.843	12.843	(1.136)	334427	50.0000	48.6	
57 1-Methylnaphthalene	142	13.206	13.206	(1.169)	693140	50.0000	50.4	
59 1,2,4,5-Tetrachlorobenzene	216	13.392	13.392	(0.869)	303307	50.0000	53.4	
60 Hexachlorocyclopentadiene	237	13.413	13.413	(0.870)	236555	50.0000	54.8	
61 2,4,6-Trichlorophenol	196	13.723	13.723	(0.891)	213974	50.0000	52.5	
\$ 63 2-Fluorobiphenyl	172	13.920	13.920	(0.903)	683799	50.0000	52.5	
62 2,4,5-Trichlorophenol	196	13.816	13.816	(0.897)	221714	50.0000	51.0	
64 Safrole	104	14.085	14.085	(0.914)	141923	50.0000	53.1	
65 2-Chloronaphthalene	162	14.106	14.106	(0.915)	886982	50.0000	52.4	
66 1,1'-Biphenyl	154	14.117	14.117	(0.916)	773953	50.0000	52.5	
67 1-Chloronaphthalene	162	14.148	14.148	(0.918)	600472	50.0000	53.6	
68 Diphenylether	170	14.396	14.396	(0.934)	406435	50.0000	52.8	
69 2-Nitroaniline	65	14.427	14.427	(0.936)	217634	50.0000	44.2	
70 1,4-Napthoquinone	158	14.541	14.541	(0.944)	139032	50.0000	46.2	
71 1,4-Dinitrobenzene	75	14.748	14.748	(0.957)	134018	50.0000	49.8	
75 Acenaphthylene	152	15.058	15.058	(0.977)	1016265	50.0000	51.9	
73 Dimethyl Phthalate	163	14.976	14.976	(0.972)	680807	50.0000	51.3	
72 1,3-Dinitrobenzene	168	14.945	14.945	(0.970)	108119	50.0000	51.3	
74 2,6-Dinitrotoluene	165	15.038	15.038	(0.976)	154044	50.0000	52.4	
76 1,2-Dinitrobenzene	50	15.131	15.131	(0.982)	120926	50.0000	49.5	
* 78 Acenaphthene-D10	164	15.410	15.410	(1.000)	463253	40.0000		

DJP
7:36 am, Jul 16, 2014

Compounds	QUANT SIG				RESPONSE	AMOUNTS		REVIEW CODE
	MASS	RT	EXP RT	REL RT		CAL-AMT (ug/ml)	ON-COL (ug/ml)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
79 Acenaphthene	153	15.483	15.483	(1.005)	618087	50.0000	51.5	
77 3-Nitroaniline	138	15.421	15.421	(1.001)	174015	50.0000	48.0	
80 2,4-Dinitrophenol	184	15.669	15.669	(1.017)	98401	50.0000	50.6	
82 Dibenzofuran	168	15.907	15.907	(1.032)	822471	50.0000	51.6	
81 Pentachlorobenzene	250	15.835	15.835	(1.028)	266273	50.0000	51.4	
85 1-Naphthylamine	143	16.104	16.104	(1.045)	638558	50.0000	47.4	
84 2,4-Dinitrotoluene	165	15.990	15.990	(1.038)	196656	50.0000	50.2	
86 2,3,5,6-Tetrachlorophenol	232	16.166	16.166	(1.049)	175883	50.0000	50.6	
88 2-Naphthylamine	143	16.311	16.311	(1.058)	575782	50.0000	43.7	
83 4-Nitrophenol	139	16.011	16.011	(1.039)	134575	50.0000	53.1	
87 2,3,4,6-Tetrachlorophenol	232	16.280	16.280	(1.056)	170408	50.0000	50.0	
90 Fluorene	166	16.714	16.714	(1.085)	659532	50.0000	51.6	
89 Diethylphthalate	149	16.673	16.673	(1.082)	721614	50.0000	50.6	
91 4-Chlorophenyl-phenylether	204	16.797	16.797	(1.090)	310650	50.0000	51.3	
93 O,O-diethyl-o-2-pyrazinylphos	107	16.839	16.839	(1.093)	140075	50.0000	49.7	
92 5-Nitro-O-Toluidine	152	16.828	16.828	(1.092)	177974	50.0000	49.6	
94 4-Nitroaniline	138	16.880	16.880	(1.095)	151497	50.0000	49.7	
95 4,6-Dinitro-2-Methylphenol	198	16.952	16.952	(0.897)	120157	50.0000	52.8	
96 N-Nitrosodiphenylamine	169	17.108	17.108	(0.905)	532417	50.0000	51.2	
97 N-Nitrosodiphenylamine/DPA	169	17.108	17.108	(0.905)	532417	50.0000	51.2	
98 1,2-Diphenylhydrazine	77	17.170	17.170	(0.908)	755639	50.0000	49.0	
99 Azobenzene	77	17.170	17.170	(0.908)	755639	50.0000	49.0	
\$ 100 2,4,6-Tribromophenol	330	17.294	17.294	(1.122)	119101	50.0000	52.1	
101 Sulfotep	97	17.646	17.646	(0.933)	128670	50.0000	51.1	
103 Diallate	86	17.863	17.863	(0.945)	261048	50.0000	49.0	
105 4-Bromophenyl-phenylether	248	17.946	17.946	(0.949)	190957	50.0000	51.2	
104 Phorate	75	17.853	17.853	(0.944)	563852	50.0000	52.0	
102 1,3,5-Trinitrobenzene	213	17.863	17.863	(0.945)	48533	50.0000	53.2	
106 Phenacetin	108	17.998	17.998	(0.952)	322858	50.0000	49.8	
107 Hexachlorobenzene	284	18.029	18.029	(0.953)	230564	50.0000	52.7	
108 Dimethoate	87	18.246	18.246	(0.965)	245263	50.0000	53.0	
109 Atrazine	200	18.515	18.515	(0.979)	144312	50.0000	52.6	
111 4-Aminobiphenyl	169	18.567	18.567	(0.982)	440108	50.0000	35.5	
110 Pentachlorophenol	266	18.557	18.557	(0.981)	138632	50.0000	51.3	
112 Pentachloronitrobenzene	237	18.567	18.567	(0.982)	83069	50.0000	53.0	
* 114 Phenanthrene-D10	188	18.909	18.909	(1.000)	770842	40.0000		
113 Pronamide	173	18.878	18.878	(0.998)	274629	50.0000	51.3	
115 Phenanthrene	178	18.960	18.960	(1.003)	931985	50.0000	50.0	
116 Anthracene	178	19.074	19.074	(1.009)	912291	50.0000	51.0	
118 Disulfoton	88	19.105	19.105	(1.010)	384420	50.0000	49.7	
117 Dinoseb	211	19.095	19.095	(1.010)	138233	50.0000	50.9	
119 Carbazole	167	19.540	19.540	(1.033)	766511	50.0000	52.2	
120 Methyl Parathion	109	19.964	19.964	(1.056)	224274	50.0000	51.3	
121 Di-n-butylphthalate	149	20.596	20.596	(1.089)	1129228	50.0000	49.8	
122 4-Nitroquinoline-1-Oxide	190	20.834	20.834	(1.102)	54731	50.0000	51.1	
123 Ethyl Parathion	291	20.948	20.948	(1.108)	60856	50.0000	52.5	
124 Methapyrilene	97	21.279	21.279	(1.125)	229242	50.0000	81.8 (M)	
125 Isodrin	193	21.413	21.413	(1.132)	110079	50.0000	49.6	
126 Fluoranthene	202	21.776	21.776	(1.152)	861902	50.0000	51.3	
128 Pyrene	202	22.283	22.283	(0.885)	888387	50.0000	44.3	
127 Benzidine	184	22.221	22.221	(0.882)	124141	50.0000	23.3 (a)	
\$ 129 Terphenyl-D14	244	22.821	22.821	(0.906)	587419	50.0000	44.7	
130 Aramite	185	23.111	23.111	(0.918)	57069	50.0000	47.6	
131 p-Dimethylaminoazobenzene	225	23.183	23.183	(0.921)	157488	50.0000	46.3	

Compounds	QUANT SIG					AMOUNTS		REVIEW CODE
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL	
	(ug/ml)	(ug/ml)						
=====	=====	=====	=====	=====	=====	=====	=====	=====
132 Chlorobenzilate	251	23.359	23.359	(0.928)	237385	50.0000	46.7	
134 3,3'-Dimethylbenzidine	212	23.980	23.980	(0.952)	125412	50.0000	23.5	
135 Butylbenzylphthalate	149	24.115	24.115	(0.958)	438006	50.0000	47.6	
136 Bis(2-ethylhexyl)adipate	129	24.477	24.477	(0.972)	369126	50.0000	44.0	
137 2-Acetylaminofluorene	181	24.570	24.570	(0.976)	254771	50.0000	60.0	
139 Benzo(a)anthracene	228	25.160	25.160	(0.999)	669534	50.0000	52.0	
* 140 Chrysene-D12	240	25.181	25.181	(1.000)	548653	40.0000		
142 Chrysene	228	25.243	25.243	(1.002)	583158	50.0000	49.7	
141 3,3'-Dichlorobenzidine	252	25.212	25.212	(1.001)	194115	50.0000	56.5	
143 bis(2-Ethylhexyl)phthalate	149	25.616	25.616	(1.017)	599376	50.0000	48.4	
144 Di-n-octylphthalate	149	27.075	27.075	(0.956)	960244	50.0000	43.5	
145 Benzo(b)fluoranthene	252	27.551	27.551	(0.973)	549789	50.0000	48.7	
146 7,12-Dimethylbenz(A)Anthracen	256	27.572	27.572	(0.974)	267551	50.0000	47.2	
147 Benzo(k)fluoranthene	252	27.613	27.613	(0.976)	552878	50.0000	47.6 (H)	
148 Benzo(a)pyrene	252	28.182	28.182	(0.996)	473157	50.0000	51.2	
* 149 Perylene-D12	264	28.307	28.307	(1.000)	426962	40.0000		
150 3-Methylcholanthrene	268	28.928	28.928	(1.022)	216663	50.0000	54.0	
152 Dibenz(a,j)acridine	279	30.097	30.097	(1.063)	244046	50.0000	58.3	
153 Indeno(1,2,3-cd)pyrene	276	30.439	30.439	(1.075)	304047	50.0000	57.4	
154 Dibenzo(a,h)anthracene	278	30.511	30.511	(1.078)	302366	50.0000	55.7	
155 Benzo(g,h,i)perylene	276	31.018	31.018	(1.096)	325915	50.0000	56.7	

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: \\target_server\gs\chem\goms-u,i\U071414,b\U6417.D

Date : 14-JUL-2014 09:35

Client ID:

Sample Info: WJ46446-2,ME53-7

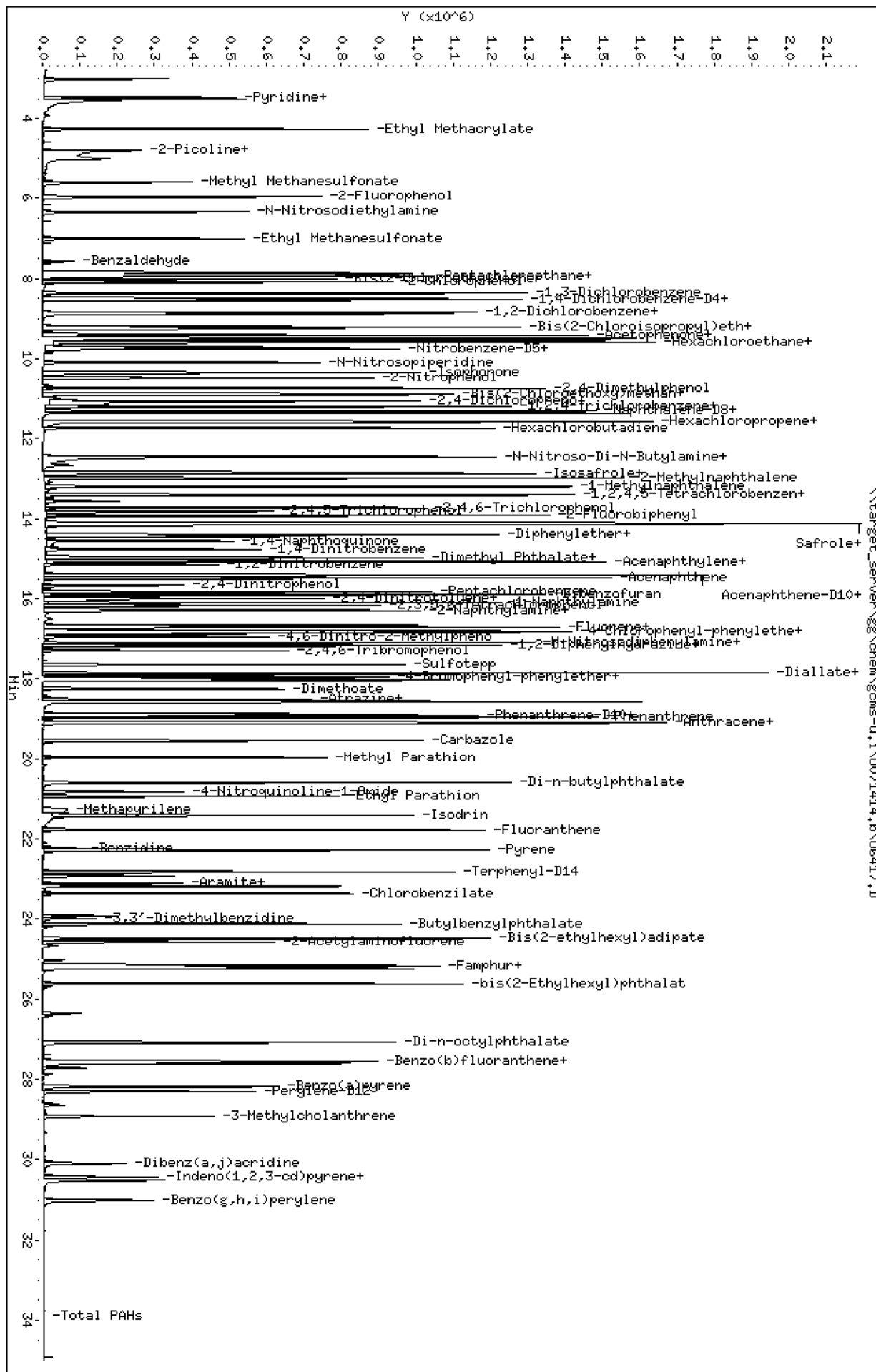
Volume Injected (uL): 1.0

Column phase: ZB5-MS

Instrument: goms-u,i

Operator: JCG

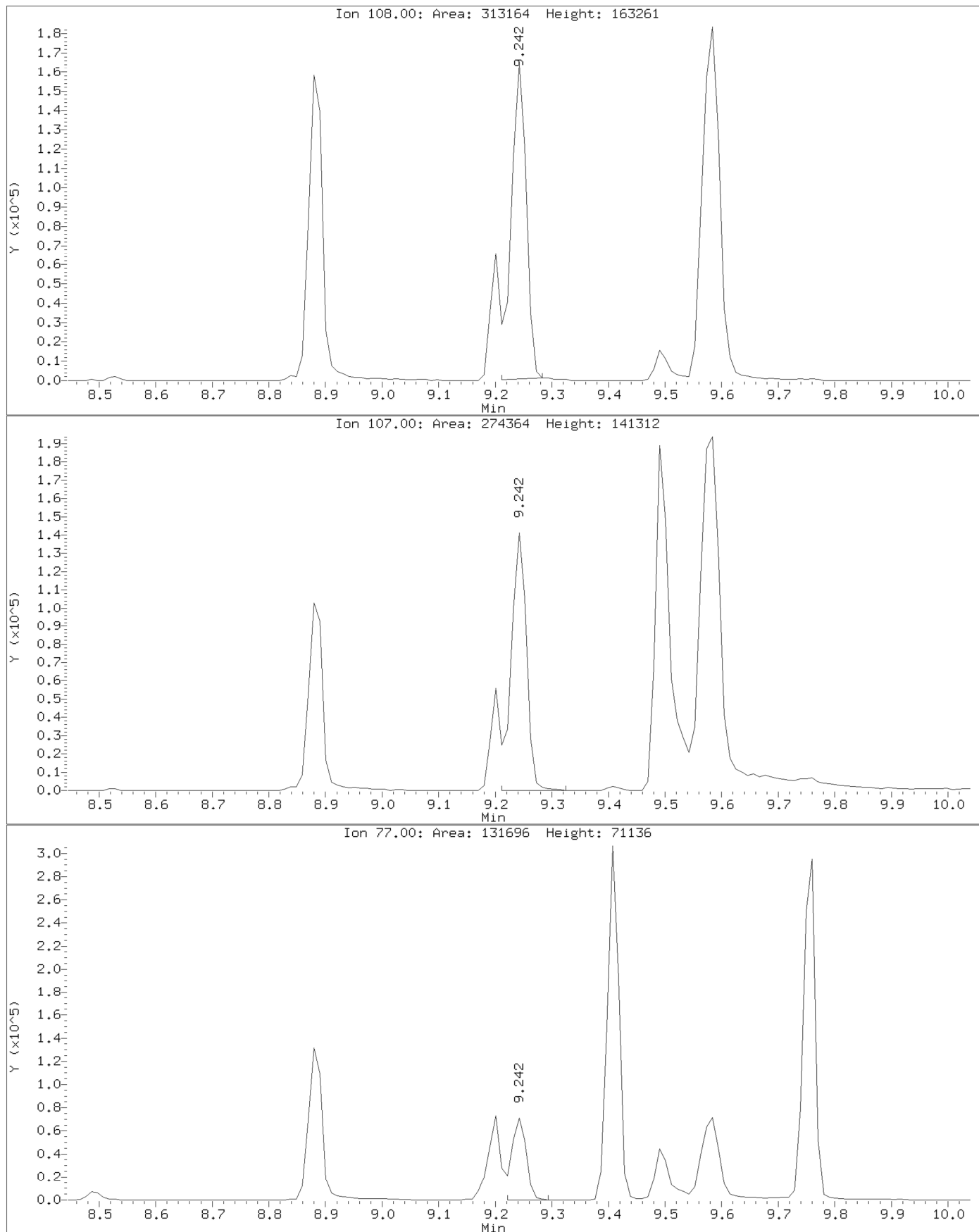
Column diameter: 0.25



Data File: \\target_server\gg\chem\gcms-u.i\U071414.b\U6417.D
Injection Date: 14-JUL-2014 09:35
Instrument: gcms-u.i
Client Sample ID:

Compound: 2-Methylphenol
CAS Number: 95-48-7

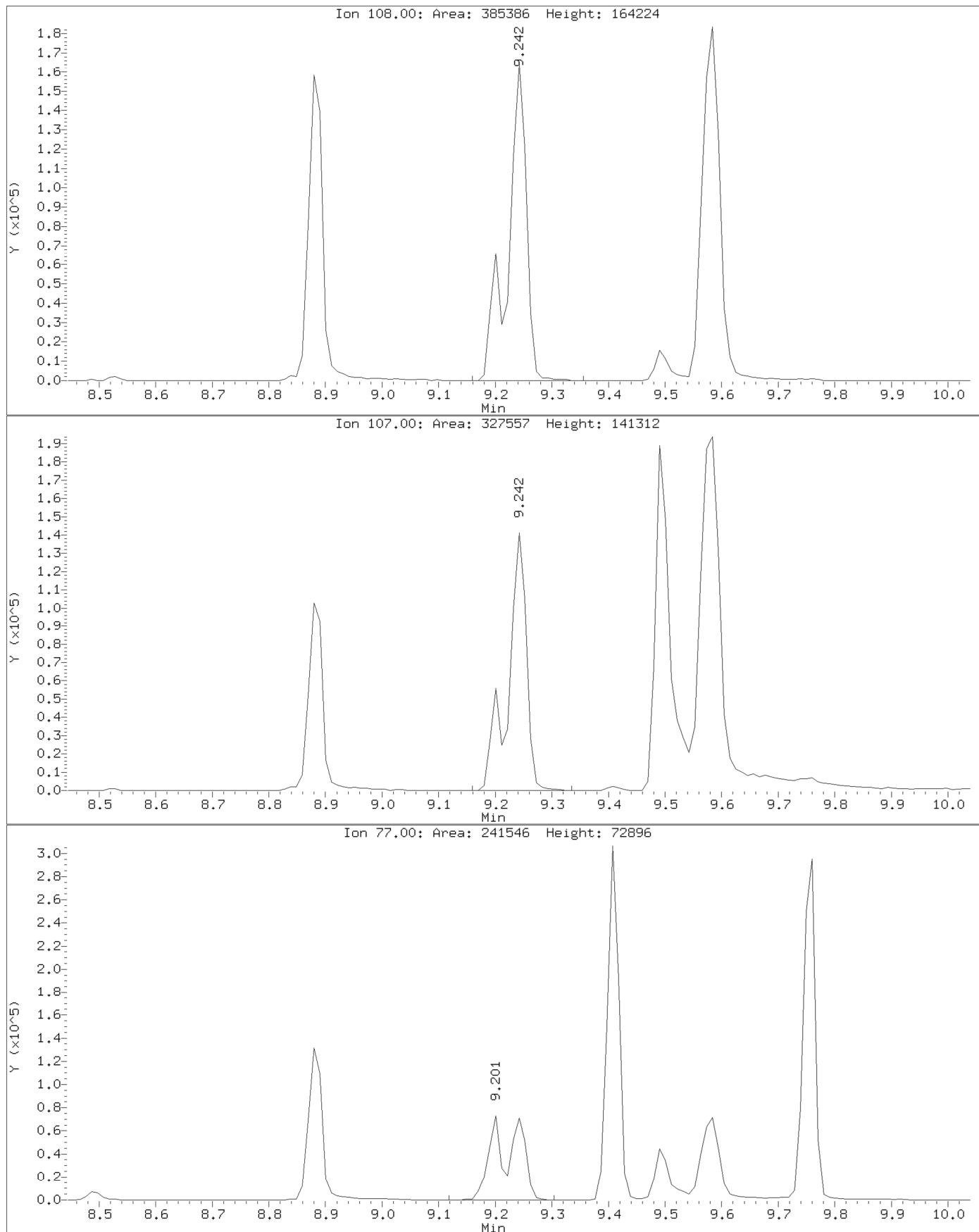
BEFORE MANUAL INTEGRATION



Data File: \\target_server\gg\chem\gcms-u.i\U071414.b\U6417.D
Injection Date: 14-JUL-2014 09:35
Instrument: gcms-u.i
Client Sample ID:

Compound: 2-Methylphenol
CAS Number: 95-48-7

AFTER MANUAL INTEGRATION



Data File: \\target_server\gg\chem\gcms-u.i\U063014,b\UD163.D

Date : 30-JUN-2014 09:48

Client ID: DFTPP02

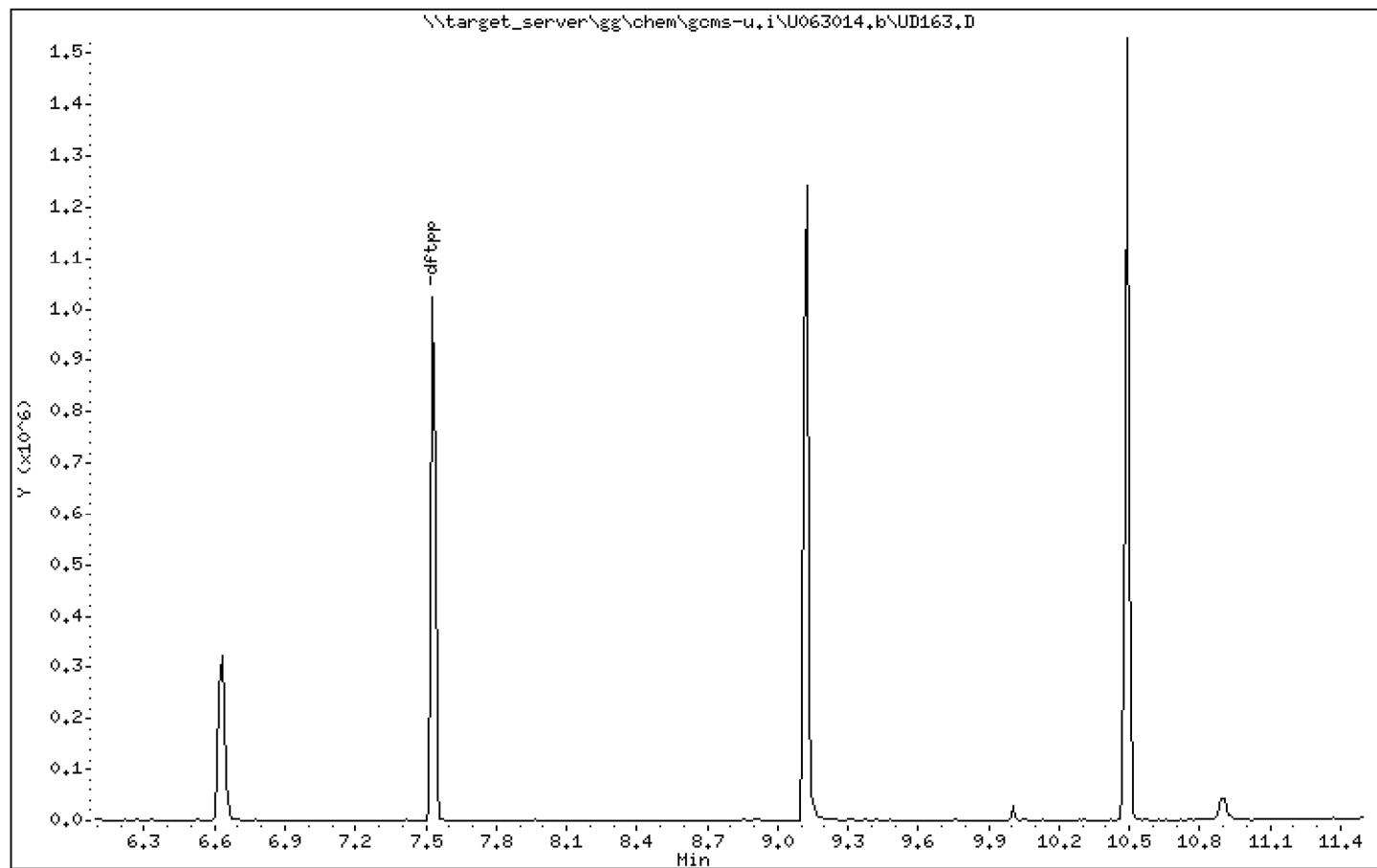
Instrument: gcms-u.i

Sample Info: WG145667-1,WE53-7

Operator: JCG

Column phase: RTX-5SILMS

Column diameter: 0.25



Data File: \\target_server\gg\chem\gcms-u.i\U063014.b\UD163.D

Date : 30-JUN-2014 09:48

Client ID: DFTPP02

Instrument: gcms-u.i

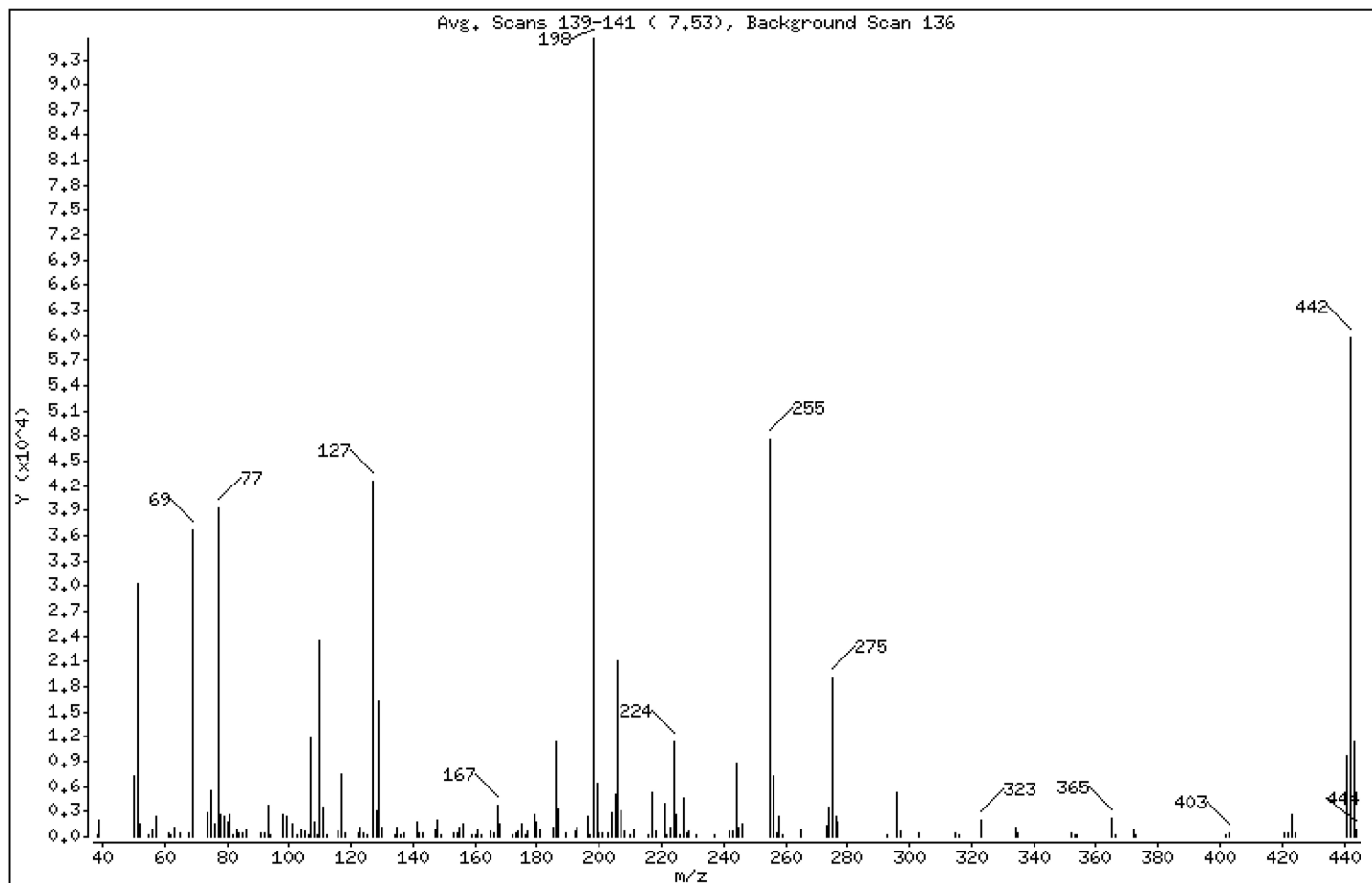
Sample Info: WG145667-1,WE53-7

Operator: JCG

Column phase: RTX-5SILMS

Column diameter: 0.25

1 dftpp



m/e		ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE

198		Base Peak, 100% relative abundance	100.00
51		30.00 - 60.00% of mass 198	31.71
68		Less than 2.00% of mass 69	0.42 (1.08)
69		Less than 100.00% of mass 198	38.31
70		Less than 2.00% of mass 69	0.00 (0.00)
127		40.00 - 60.00% of mass 198	44.64
197		Less than 1.00% of mass 198	0.20
199		5.00 - 9.00% of mass 198	6.71
275		10.00 - 30.00% of mass 198	19.93
365		1.00 - 100.00% of mass 198	2.31
441		0.01 - 100.00% of mass 443	10.04 (84.75)
442		40.00 - 100.00% of mass 198	62.42
443		17.00 - 23.00% of mass 442	11.85 (18.98)

Data File: \\target_server\gg\chen\goms-u.i\U063014,b\UD163.D

Date : 30-JUN-2014 09:48

Client ID: DFTPP02

Instrument: goms-u.i

Sample Info: WG145667-1,WE53-7

Operator: JCG

Column phase: RTX-5SILMS

Column diameter: 0.25

Data File: UD163.D

Spectrum: Avg. Scans 139-141 (7.53), Background Scan 136

Location of Maximum: 198.00

Number of points: 162

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	177	110.00	23456	177.00	610	245.00	1166
39.00	1984	111.00	3464	179.00	2662	246.00	1580
50.00	7152	112.00	251	180.00	1652	255.00	47664
51.00	30288	116.00	601	181.00	970	256.00	7196
52.00	1505	117.00	7395	185.00	1207	257.00	422
55.00	176	118.00	452	186.00	11364	258.00	2492
56.00	944	122.00	534	187.00	3389	259.00	242
57.00	2394	123.00	1058	189.00	538	265.00	840
61.00	341	124.00	463	192.00	761	273.00	1387
62.00	241	125.00	262	193.00	1090	274.00	3507
63.00	1176	127.00	42640	196.00	2513	275.00	19040
65.00	531	128.00	3145	197.00	192	276.00	2466
68.00	397	129.00	16222	198.00	95528	277.00	1813
69.00	36600	130.00	1166	199.00	6406	293.00	204
74.00	2900	134.00	252	200.00	382	296.00	5302
75.00	5415	135.00	1173	201.00	439	297.00	611
76.00	1435	136.00	277	203.00	441	303.00	488
77.00	39240	137.00	523	204.00	2886	315.00	541
78.00	2719	141.00	1857	205.00	5050	316.00	212
79.00	2319	142.00	366	206.00	21144	323.00	2060
80.00	1807	143.00	333	207.00	2980	334.00	1188
81.00	2729	147.00	949	208.00	559	335.00	373
82.00	308	148.00	1875	210.00	287	352.00	453
83.00	850	149.00	190	211.00	830	353.00	200
84.00	345	153.00	490	216.00	235	354.00	181
85.00	405	154.00	471	217.00	5251	365.00	2211
86.00	856	155.00	1174	218.00	557	366.00	197
91.00	360	156.00	1537	221.00	4014	372.00	909
92.00	436	159.00	174	222.00	259	373.00	210
93.00	3645	160.00	278	223.00	1142	402.00	252
94.00	179	161.00	927	224.00	11454	403.00	453
98.00	2631	162.00	201	225.00	2731	421.00	500
99.00	2355	165.00	641	226.00	183	422.00	368
101.00	1585	166.00	445	227.00	4613	423.00	2532
103.00	189	167.00	3842	228.00	475	424.00	498

Data File: \\target_server\gg\chem\gcms-u.i\U063014,b\UD163.D

Date : 30-JUN-2014 09:48

Client ID: DFTPP02

Instrument: gcms-u.i

Sample Info: WG145667-1,WE53-7

Operator: JCG

Column phase: RTX-5SILMS

Column diameter: 0.25

Data File: UD163.D

Spectrum: Avg. Scans 139-141 (7.53), Background Scan 136

Location of Maximum: 198.00

Number of points: 162

m/z	Y	m/z	Y	m/z	Y	m/z	Y
104.00	882	168.00	1540	229.00	716	441.00	9595
105.00	576	172.00	197	231.00	285	442.00	59632
106.00	187	173.00	386	237.00	219	443.00	11321
107.00	11853	174.00	567	242.00	554	444.00	914
108.00	1849	175.00	1548	243.00	566		
109.00	173	176.00	271	244.00	8740		

Quantitation Report

Data File : C:\HPCHEM\1\DATA\U063014\UD163.D

Vial: 1

Acq On : 30 Jun 2014 9:48 am

Operator: JCG

Sample : WG145667-1

Inst : GC/MS Ins

Misc : WG145667, WG145667, WG144699-4

Multiplr: 1.00

Quantitation Parameters: 09SEP04

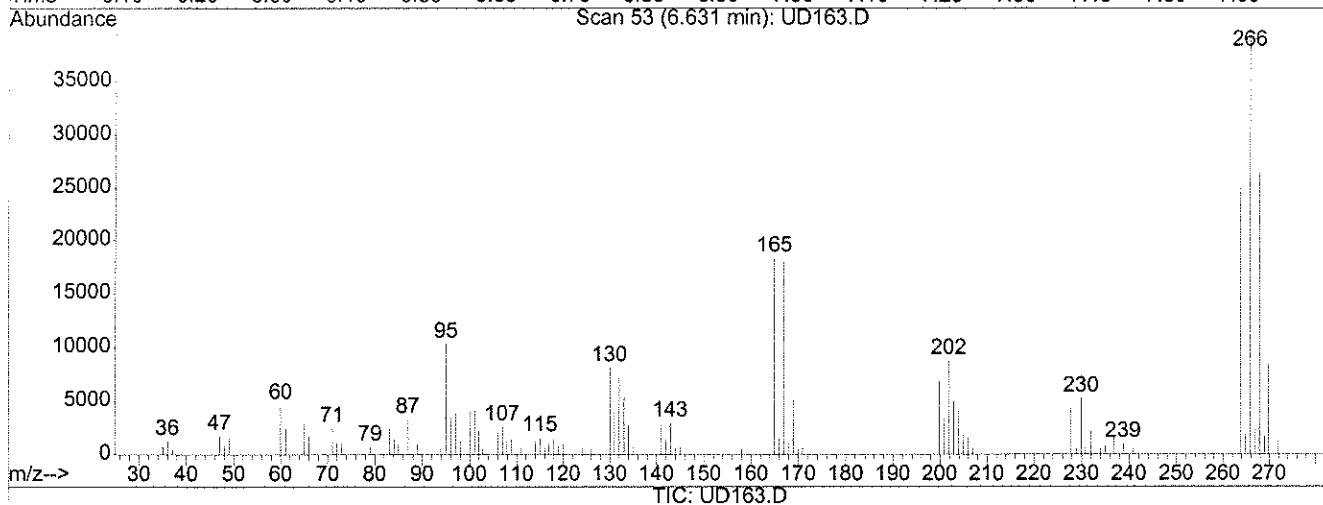
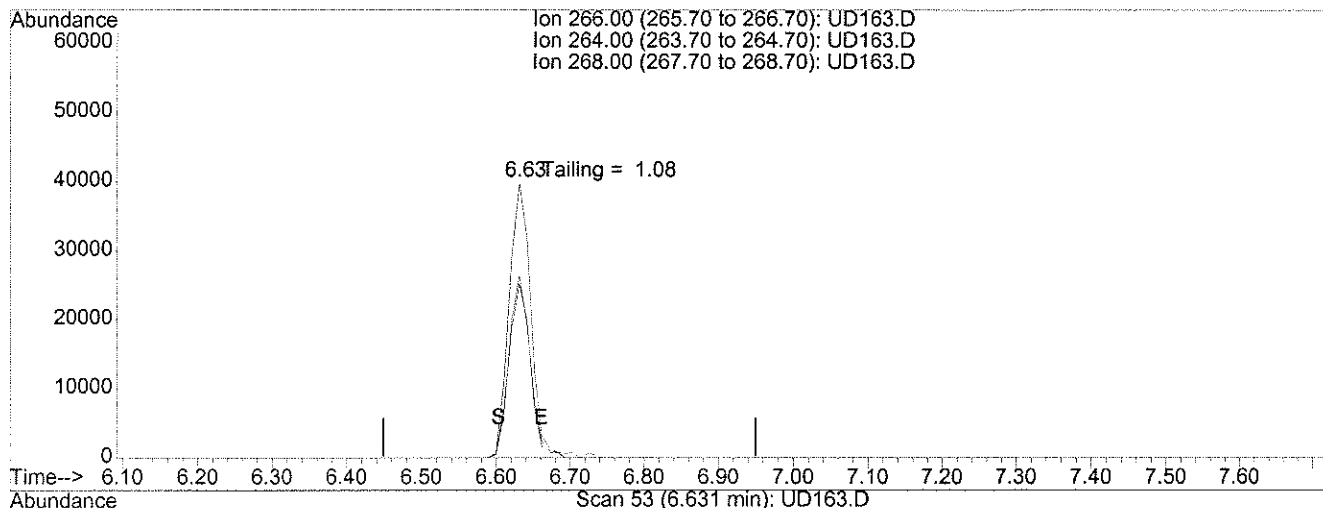
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TUNETAIL.M (RTE Integrator)

Title : Katahdin 8270C Water Calibration

Last Update : Wed Jun 18 10:37:38 2014

Response via : Multiple Level Calibration



(1) Pentachlorophenol (CM)

6.63min 37.02ug/L

response 81859

Ion	Exp%	Act%
266.00	100	100
264.00	62.00	62.17
268.00	63.50	64.39
0.00	0.00	0.00

Quantitation Report

Data File : C:\HPCHEM\1\DATA\U063014\UD163.D

Vial: 1

Acq On : 30 Jun 2014 9:48 am

Operator: JCG

Sample : WG145667-1

Inst : GC/MS Ins

Misc : WG145667, WG145667, WG144699-4

Multiplr: 1.00

Quantitation Parameters: 05E20P4

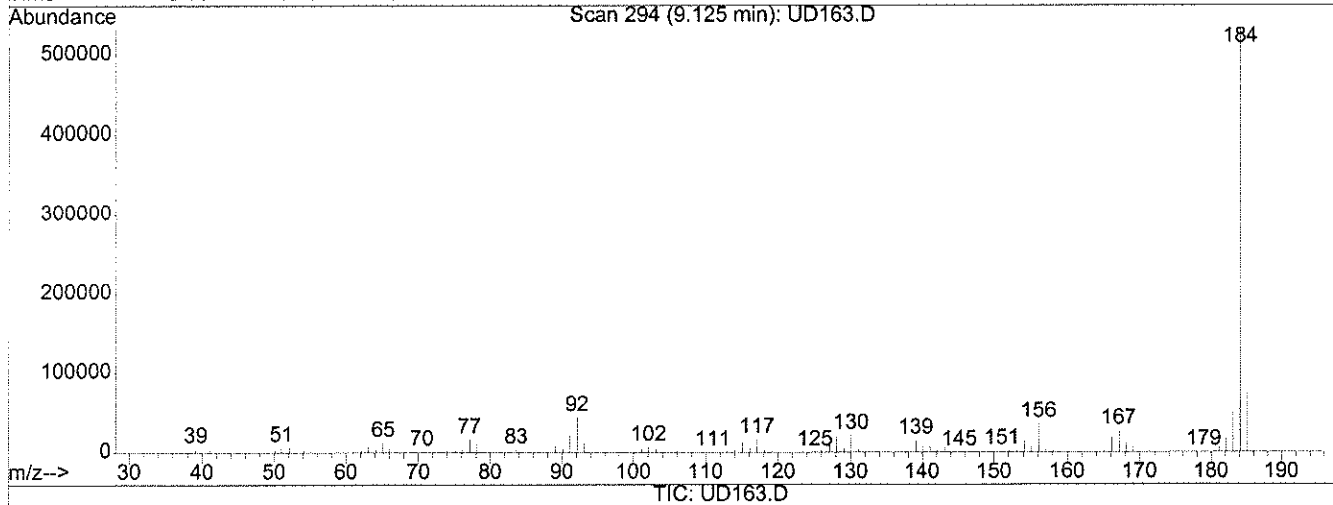
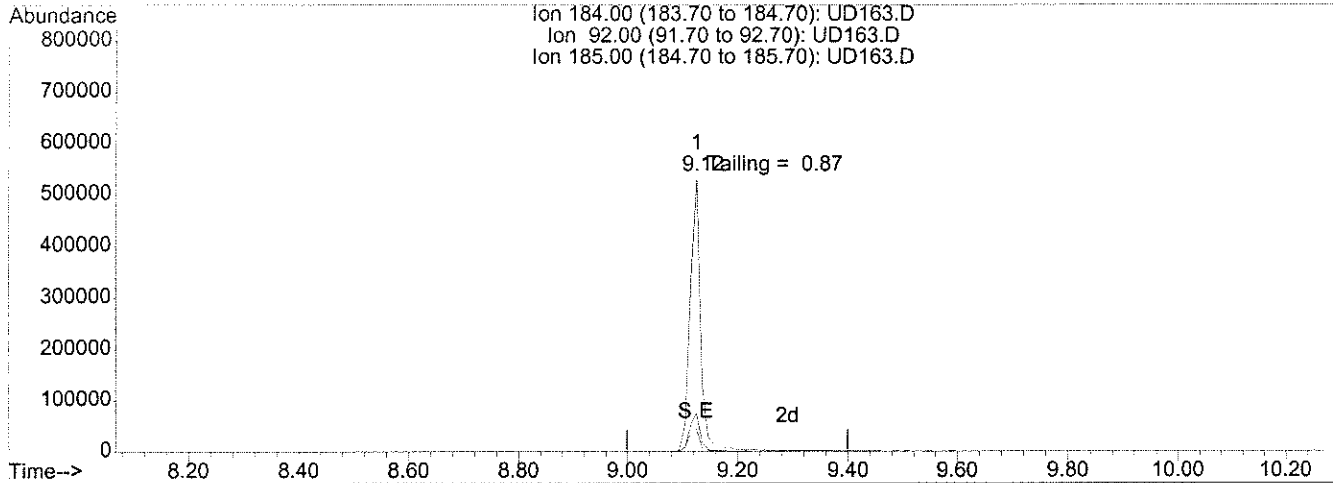
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TUNETAIL.M (RTE Integrator)

Title : Katahdin 8270C Water Calibration

Last Update : Wed Jun 18 10:37:38 2014

Response via : Multiple Level Calibration



(2) Benzidine (T)

9.12min 158.74ug/L

response 712134

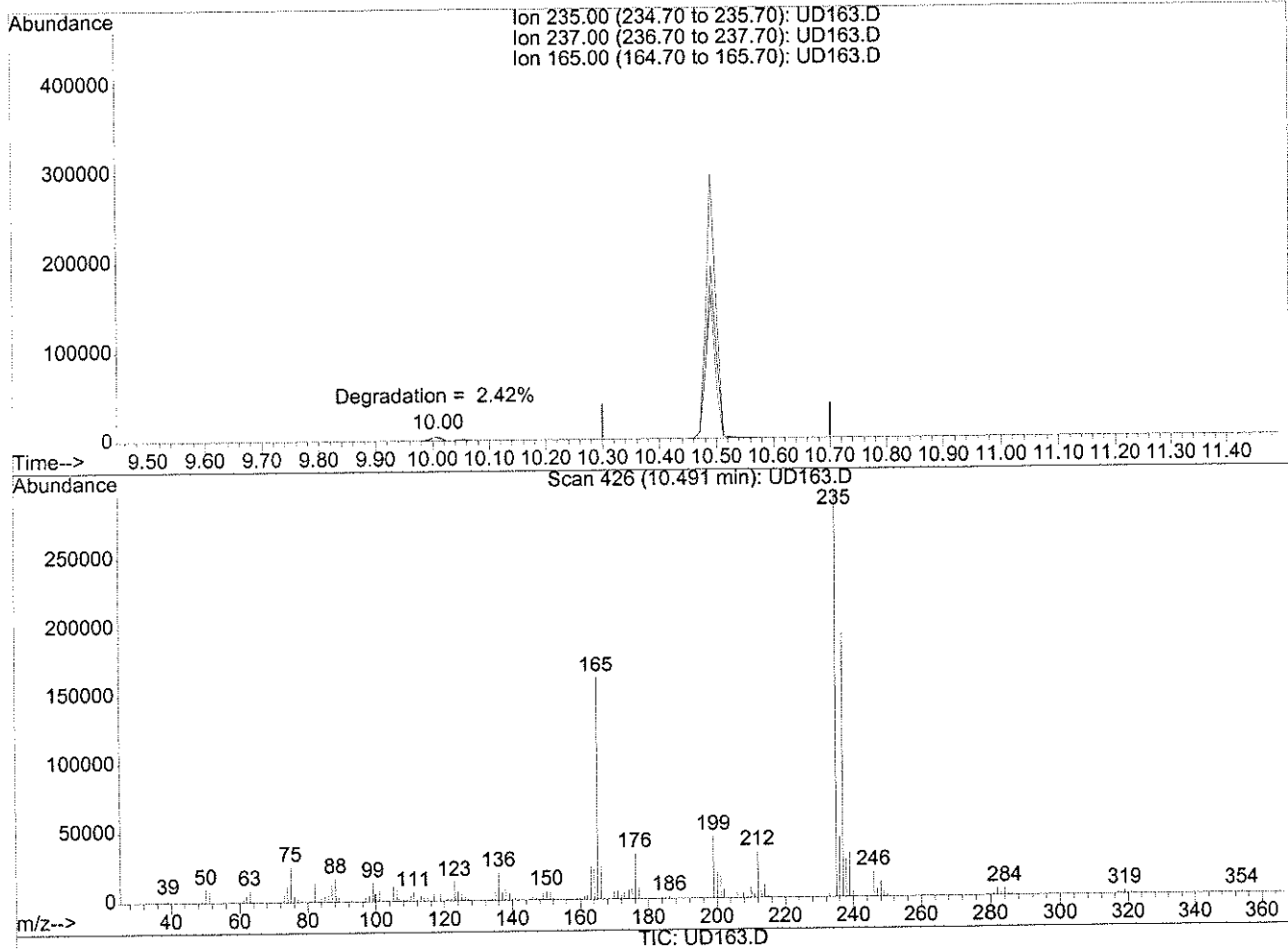
Ion	Exp%	Act%
184.00	100	100
92.00	12.20	8.98
185.00	14.40	14.31
0.00	0.00	0.00

Quantitation Report

Data File : C:\HPCHEM\1\DATA\U063014\UD163.D
 Acq On : 30 Jun 2014 9:48 am
 Sample : WG145667-1
 Misc : WG145667, WG145667, WG144699-4
 Quantitation Parameters: 08E20P4

Vial: 1
 Operator: JCG
 Inst : GC/MS Ins
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TUNETAILE.M (RTE Integrator)
 Title : Katahdin 8270C Water Calibration
 Last Update : Wed Jun 18 10:37:38 2014
 Response via : Multiple Level Calibration



(3) 4,4'-DDT (T)

10.49min 78.64ug/L

response 352798

Ion	Exp%	Act%
235.00	100	100
237.00	50.00	64.82
165.00	50.00	52.96
0.00	0.00	0.00

Data File: \\target_server\gg\chem\goms-u,i\U063014B,b\UD164.D

Date : 30-JUN-2014 15:13

Client ID: DFTPP02

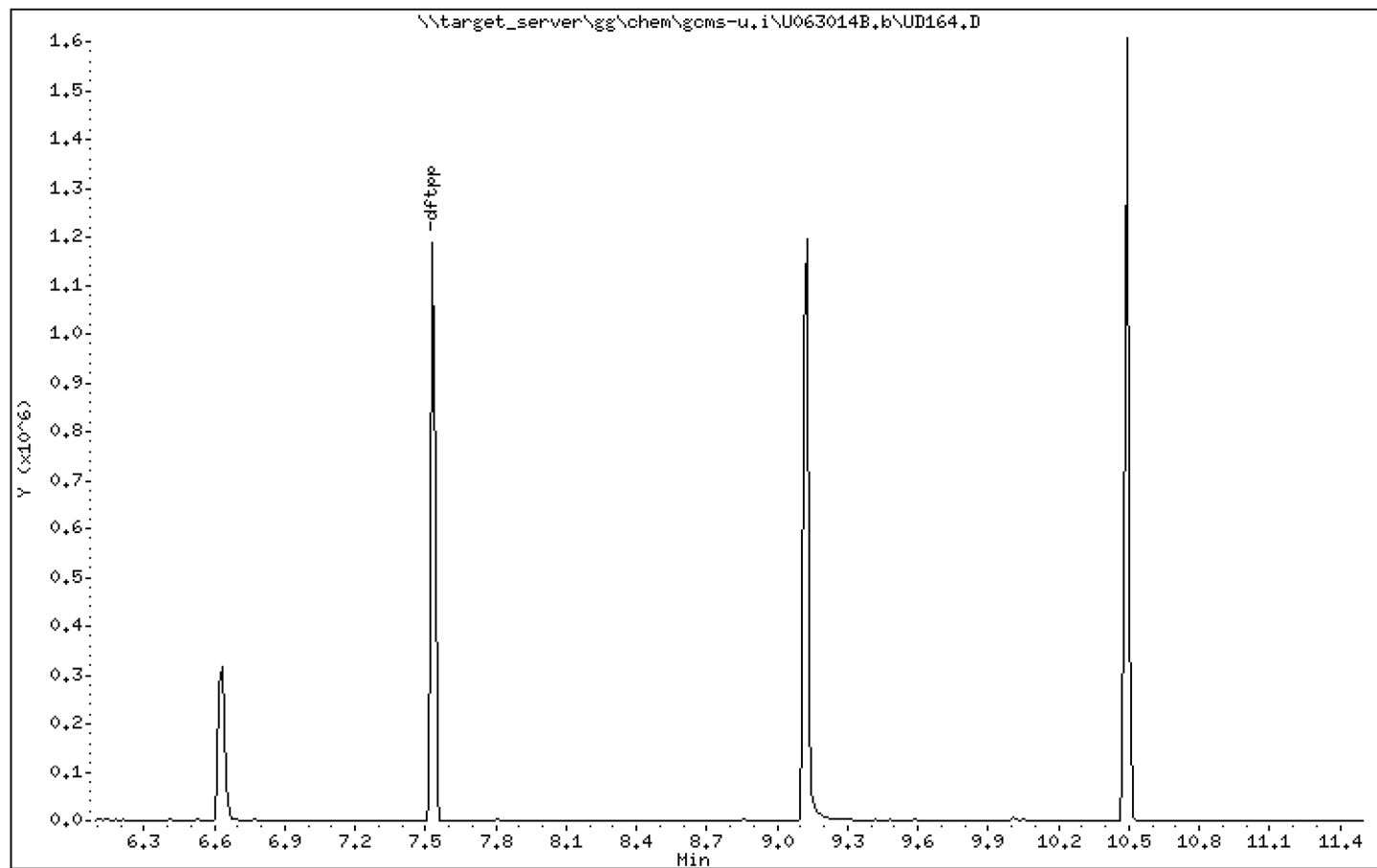
Instrument: goms-u.i

Sample Info: WG145703-1,WE53-7

Operator: JCG

Column phase: RTX-5SILMS

Column diameter: 0.25



Data File: \\target_server\gg\chem\gcms-u.i\U063014B.b\UD164.D

Date : 30-JUN-2014 15:13

Client ID: DFTPP02

Instrument: gcms-u.i

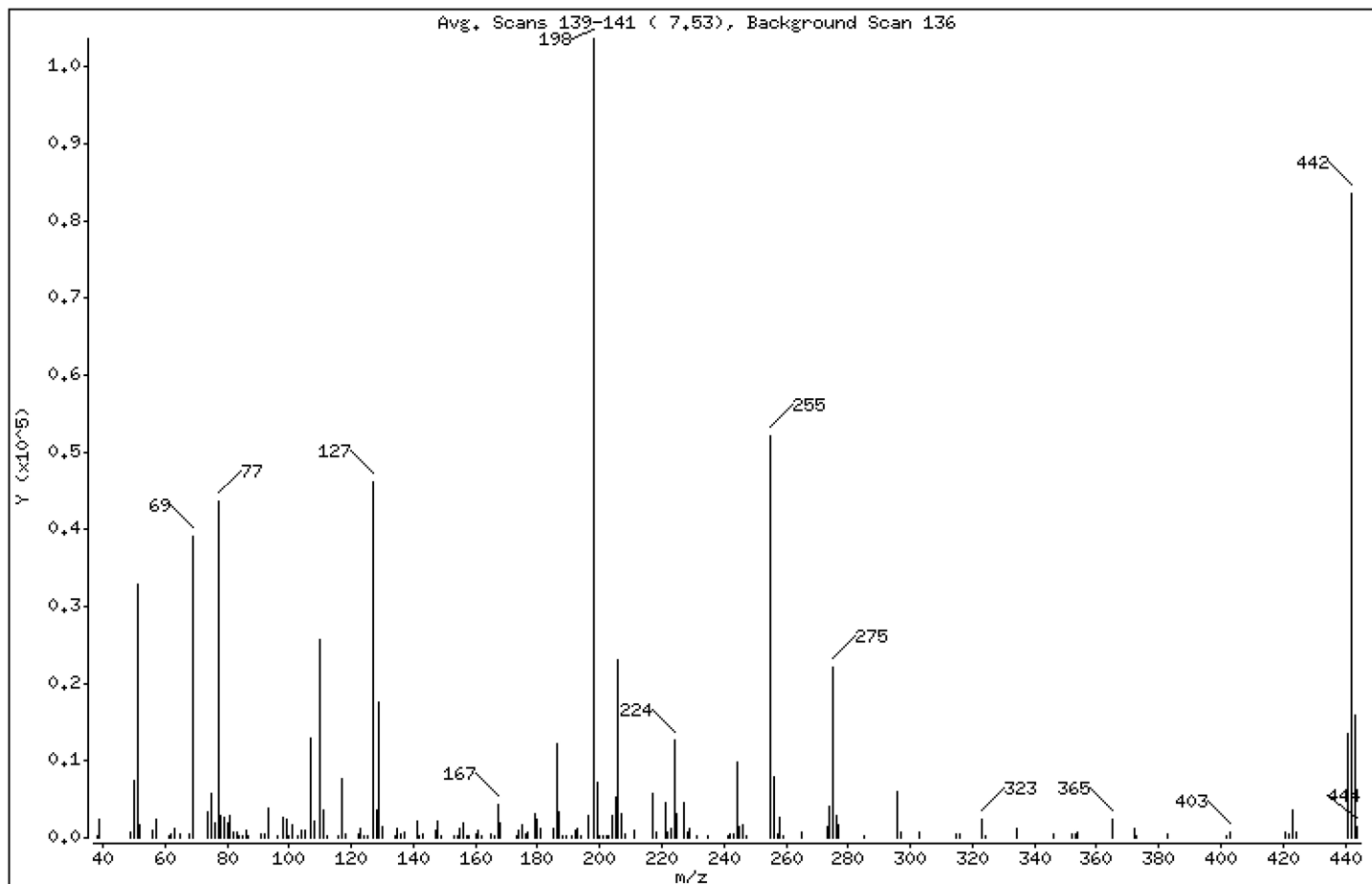
Sample Info: WG145703-1,WE53-7

Operator: JCG

Column phase: RTX-5SILMS

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	31.80
68	Less than 2.00% of mass 69	0.39 (1.02)
69	Less than 100.00% of mass 198	37.76
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	44.48
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.95
275	10.00 - 30.00% of mass 198	21.46
365	1.00 - 100.00% of mass 198	2.29
441	0.01 - 100.00% of mass 443	13.05 (84.54)
442	40.00 - 100.00% of mass 198	80.73
443	17.00 - 23.00% of mass 442	15.44 (19.12)

Data File: \\target_server\gg\chen\gcms-u.i\U063014B.b\UD164.D

Date : 30-JUN-2014 15:13

Client ID: DFTPP02

Instrument: gcms-u.i

Sample Info: WG145703-1,WE53-7

Operator: JCG

Column phase: RTX-5SILMS

Column diameter: 0.25

Data File: UD164.D

Spectrum: Avg. Scans 139-141 (7.53), Background Scan 136

Location of Maximum: 198.00

Number of points: 165

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	221	111.00	3684	180.00	2384	247.00	229
39.00	2424	112.00	256	181.00	1215	255.00	52136
49.00	648	116.00	349	185.00	1277	256.00	7901
50.00	7476	117.00	7512	186.00	12119	257.00	508
51.00	32904	118.00	370	187.00	3339	258.00	2704
52.00	1778	122.00	572	188.00	193	259.00	345
56.00	976	123.00	1140	189.00	302	265.00	799
57.00	2345	124.00	347	191.00	200	273.00	1508
61.00	270	125.00	301	192.00	1041	274.00	4082
62.00	393	127.00	46032	193.00	1279	275.00	22208
63.00	1305	128.00	3472	194.00	168	276.00	2872
65.00	591	129.00	17648	196.00	2825	277.00	1677
68.00	400	130.00	1366	198.00	103480	285.00	199
69.00	39072	134.00	244	199.00	7191	296.00	5905
74.00	3436	135.00	1281	200.00	213	297.00	610
75.00	5710	136.00	580	201.00	179	303.00	622
76.00	1963	137.00	681	202.00	231	315.00	489
77.00	43424	141.00	2034	203.00	330	316.00	410
78.00	2958	142.00	353	204.00	2945	323.00	2458
79.00	2562	143.00	491	205.00	5164	324.00	231
80.00	1945	147.00	887	206.00	23168	334.00	1273
81.00	2917	148.00	2106	207.00	3029	346.00	389
82.00	617	149.00	221	208.00	589	352.00	508
83.00	670	153.00	274	211.00	951	353.00	448
84.00	202	154.00	243	217.00	5617	354.00	679
85.00	294	155.00	1127	218.00	624	365.00	2374
86.00	848	156.00	1830	221.00	4533	372.00	1108
87.00	172	157.00	193	222.00	775	373.00	182
91.00	498	158.00	202	223.00	1097	383.00	395
92.00	387	160.00	400	224.00	12725	402.00	243
93.00	3800	161.00	1050	225.00	2986	403.00	711
96.00	192	162.00	222	227.00	4615	421.00	660
98.00	2732	165.00	440	228.00	741	422.00	570
99.00	2373	166.00	316	229.00	1168	423.00	3622
100.00	168	167.00	4177	231.00	235	424.00	717

Data File: \\target_server\gg\chem\gcms-u.i\U063014B.b\UD164.D

Date : 30-JUN-2014 15:13

Client ID: DFTPP02

Instrument: gcms-u.i

Sample Info: WG145703-1,WE53-7

Operator: JCG

Column phase: RTX-5SILMS

Column diameter: 0.25

Data File: UD164.D

Spectrum: Avg. Scans 139-141 (7.53), Background Scan 136

Location of Maximum: 198.00

Number of points: 165

m/z	Y	m/z	Y	m/z	Y	m/z	Y
101.00	1737	168.00	1803	235.00	240	441.00	13505
103.00	254	173.00	291	241.00	169	442.00	83536
104.00	845	174.00	998	242.00	499	443.00	15974
105.00	1034	175.00	1731	243.00	466	444.00	1316
107.00	12739	176.00	511	244.00	9743		
108.00	2240	177.00	735	245.00	1310		
110.00	25704	179.00	3134	246.00	1627		

Quantitation Report

Data File : C:\HPCHEM\1\DATA\U063014B\UD164.D

Vial: 1

Acq On : 30 Jun 2014 3:13 pm

Operator: JCG

Sample : WG145703-1

Inst : GC/MS Ins

Misc : WG145703, WG145703, WG145667-4

Multiplr: 1.00

Quantitation Parameters: 28E20P4

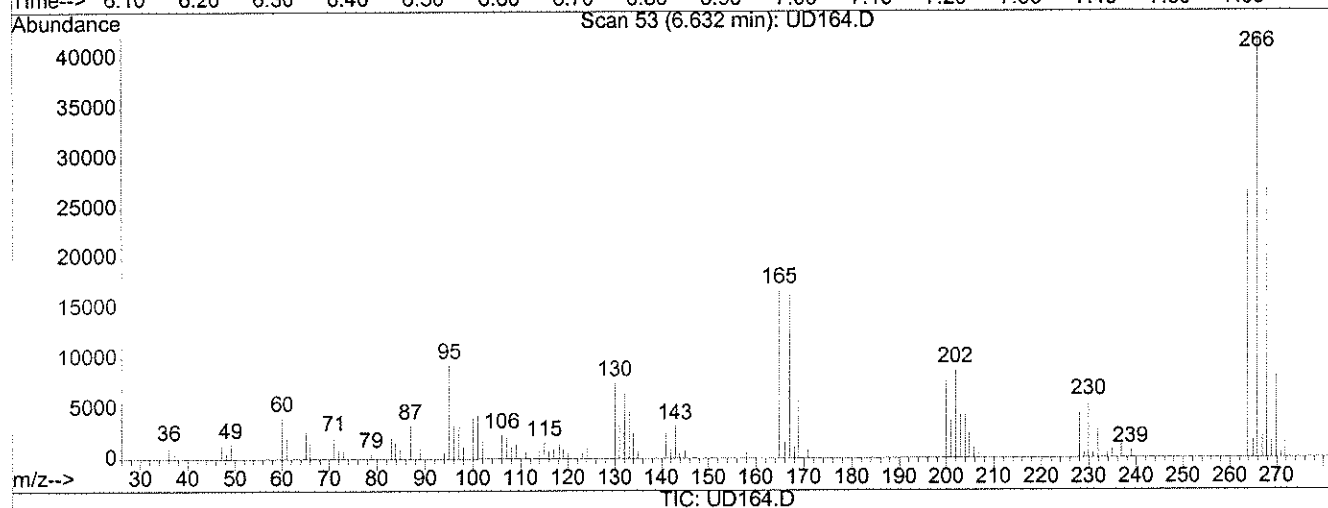
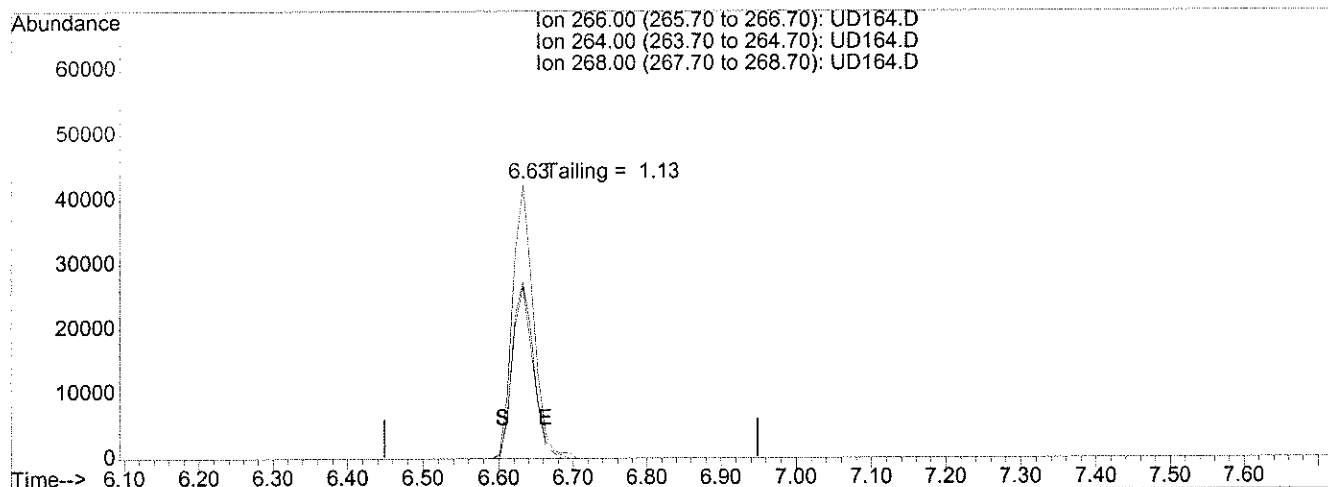
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TUNETAIL.M (RTE Integrator)

Title : Katahdin 8270C Water Calibration

Last Update : Wed Jun 18 10:37:38 2014

Response via : Multiple Level Calibration



(1) Pentachlorophenol (CM)

6.63min 37.56ug/L

response 83037

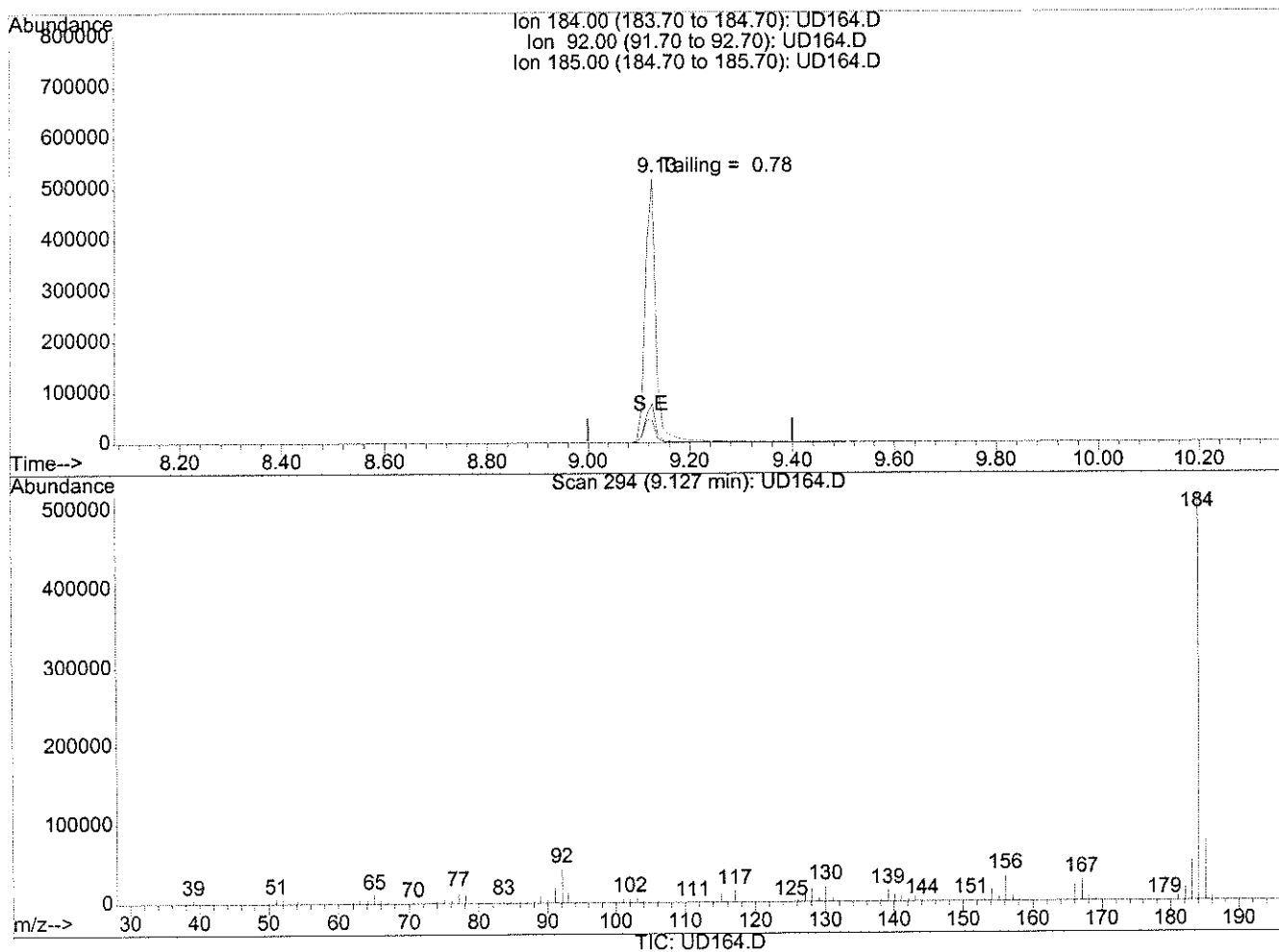
Ion	Exp%	Act%
266.00	100	100
264.00	62.00	61.84
268.00	63.50	66.55
0.00	0.00	0.00

Quantitation Report

Data File : C:\HPCHEM\1\DATA\U063014B\UD164.D
 Acq On : 30 Jun 2014 3:13 pm
 Sample : WG145703-1
 Misc : WG145703, WG145703, WG145667-4
 Quantitation Parameters: 28E20P4

Vial: 1
 Operator: JCG
 Inst : GC/MS Ins
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TUNETAIL.M (RTE Integrator)
 Title : Katahdin 8270C Water Calibration
 Last Update : Wed Jun 18 10:37:38 2014
 Response via : Multiple Level Calibration



(2) Benzidine (T)

9.13min 167.50ug/L

response 751432

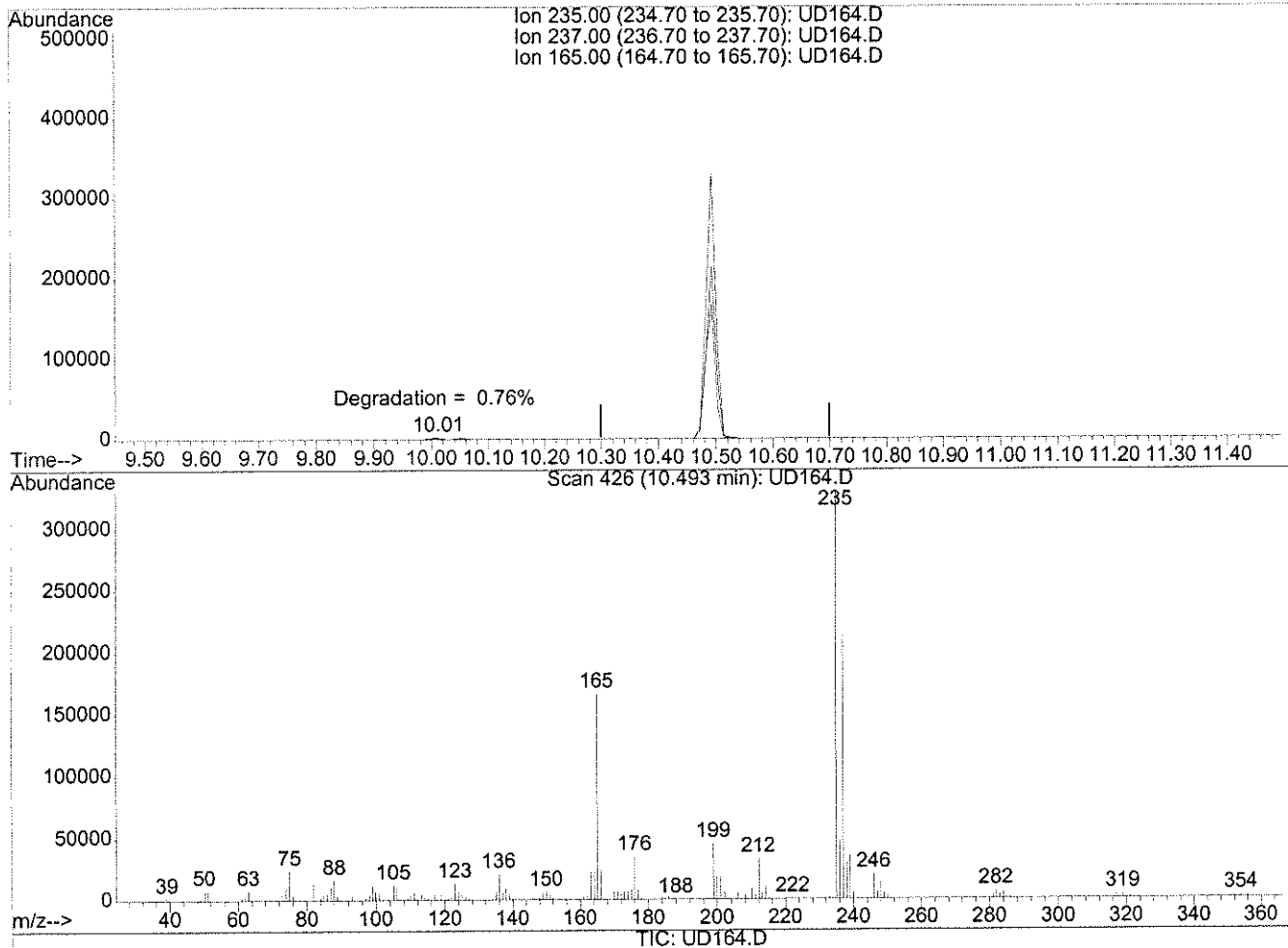
Ion	Exp%	Act%
184.00	100	100
92.00	12.20	9.59
185.00	14.40	14.45
0.00	0.00	0.00

Quantitation Report

Data File : C:\HPCHEM\1\DATA\U063014B\UD164.D
 Acq On : 30 Jun 2014 3:13 pm
 Sample : WG145703-1
 Misc : WG145703, WG145703, WG145667-4
 Sample Name: 28EP0P4

Vial: 1
 Operator: JCG
 Inst : GC/MS Ins
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TUNETAIL.M (RTE Integrator)
 Title : Katahdin 8270C Water Calibration
 Last Update : Wed Jun 18 10:37:38 2014
 Response via : Multiple Level Calibration



(3) 4,4'-DDT (T)

10.49min 86.23ug/L

response 386846

Ion	Exp%	Act%
235.00	100	100
237.00	50.00	63.78
165.00	50.00	51.55
0.00	0.00	0.00

Data File: \\target_server\gg\chem\goms-u,i\U070114,b\UD165.D

Date : 01-JUL-2014 13:13

Client ID: DFTPP02

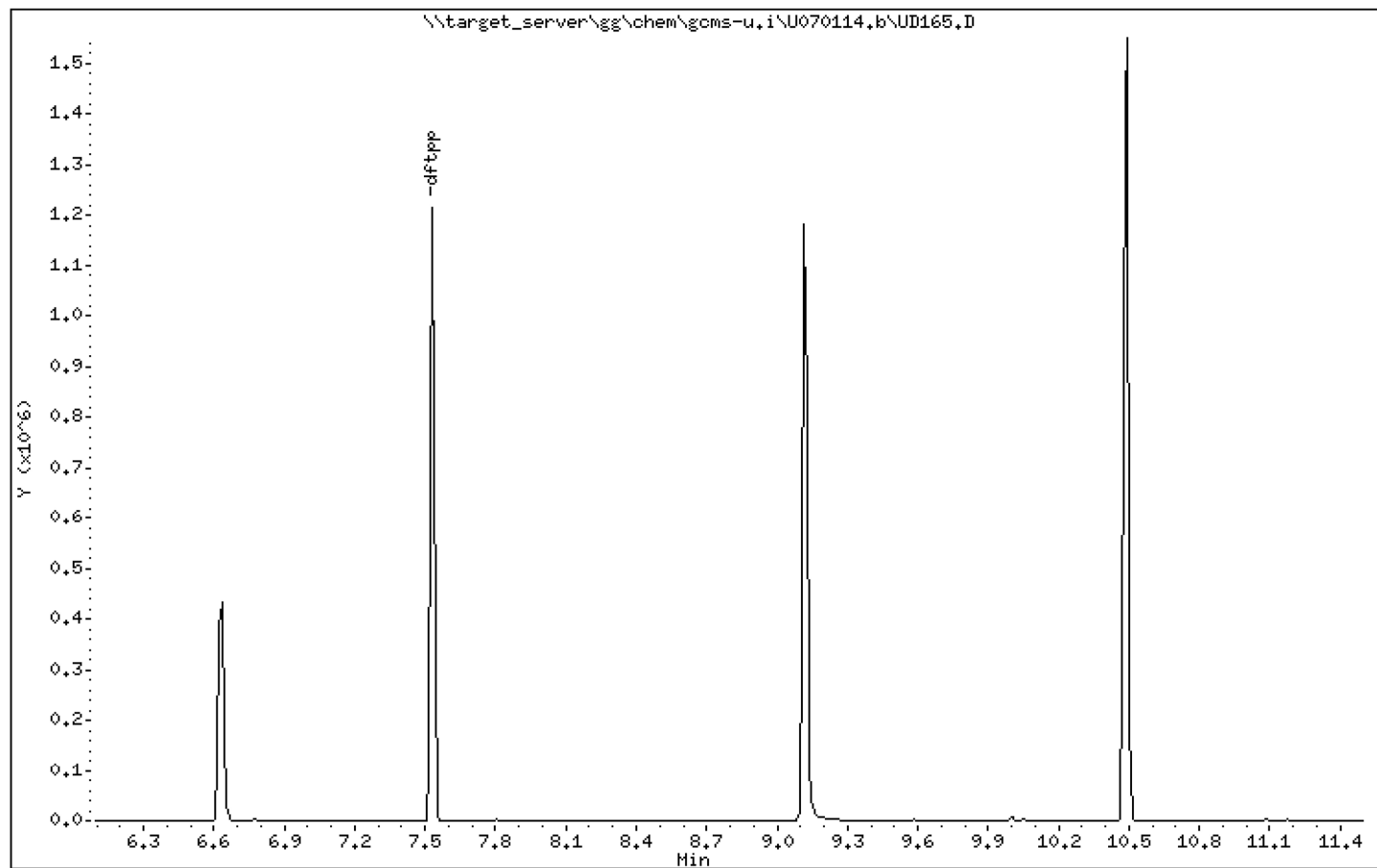
Instrument: goms-u.i

Sample Info: WG145731-1,WE53-7

Operator: JCG

Column phase: RTX-5SILMS

Column diameter: 0.25



Data File: \\target_server\gg\chem\gcms-u.i\U070114.b\UD165.D

Date : 01-JUL-2014 13:13

Client ID: DFTPP02

Instrument: gcms-u.i

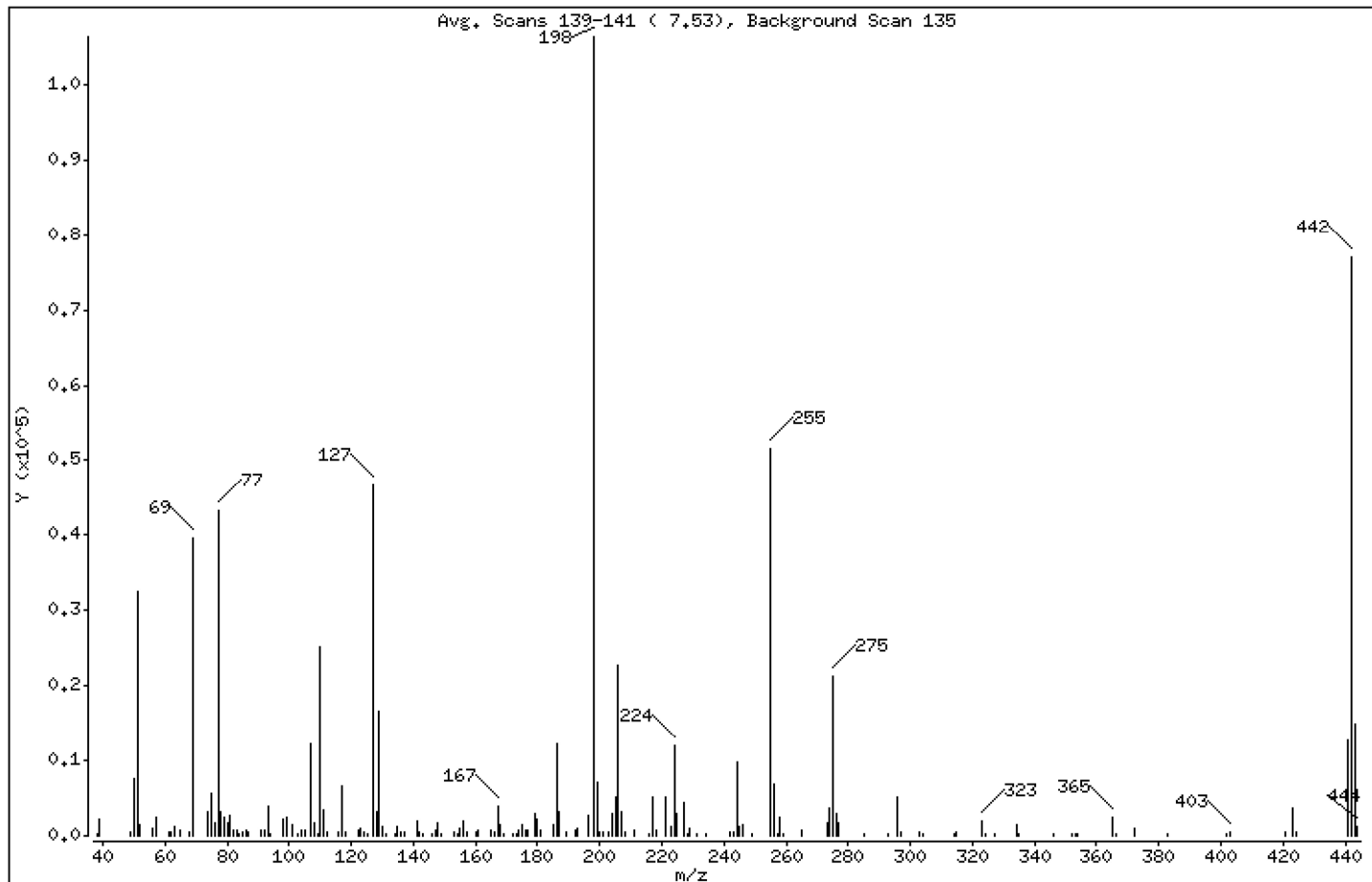
Sample Info: WG145731-1,WE53-7

Operator: JCG

Column phase: RTX-5SILMS

Column diameter: 0.25

1 dftpp



m/e		ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	1	Base Peak, 100% relative abundance	100.00
51	1	30.00 - 60.00% of mass 198	30.52
68	1	Less than 2.00% of mass 69	0.46 (1.22)
69	1	Less than 100.00% of mass 198	37.25
70	1	Less than 2.00% of mass 69	0.00 (0.00)
127	1	40.00 - 60.00% of mass 198	43.96
197	1	Less than 1.00% of mass 198	0.00
199	1	5.00 - 9.00% of mass 198	6.61
275	1	10.00 - 30.00% of mass 198	19.99
365	1	1.00 - 100.00% of mass 198	2.19
441	1	0.01 - 100.00% of mass 443	11.88 (85.31)
442	1	40.00 - 100.00% of mass 198	72.35
443	1	17.00 - 23.00% of mass 442	13.93 (19.25)

Data File: \\target_server\gg\chen\gcms-u.i\U070114,b\UD165.D

Date : 01-JUL-2014 13:13

Client ID: DFTPP02

Instrument: gcms-u.i

Sample Info: WG145731-1,WE53-7

Operator: JCG

Column phase: RTX-5SILMS

Column diameter: 0.25

Data File: UD165.D

Spectrum: Avg. Scans 139-141 (7.53), Background Scan 135

Location of Maximum: 198.00

Number of points: 165

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	197	111.00	3459	177.00	720	257.00	247
39.00	2222	112.00	425	179.00	2931	258.00	2511
49.00	395	116.00	535	180.00	2277	259.00	207
50.00	7546	117.00	6628	181.00	812	265.00	791
51.00	32456	118.00	456	185.00	1388	273.00	1715
52.00	1547	122.00	651	186.00	12135	274.00	3696
56.00	929	123.00	1072	187.00	3270	275.00	21256
57.00	2439	124.00	459	189.00	511	276.00	2824
61.00	407	125.00	285	192.00	801	277.00	1713
62.00	392	127.00	46744	193.00	1037	285.00	204
63.00	1221	128.00	3259	196.00	2762	293.00	260
65.00	678	129.00	16608	198.00	106344	296.00	5016
68.00	485	130.00	1264	199.00	7030	297.00	409
69.00	39608	131.00	178	200.00	471	303.00	470
74.00	3094	134.00	276	201.00	395	304.00	195
75.00	5517	135.00	1292	203.00	527	314.00	187
76.00	1617	136.00	461	204.00	3038	315.00	377
77.00	43344	137.00	490	205.00	5165	323.00	1999
78.00	3130	141.00	1855	206.00	22728	324.00	240
79.00	2479	142.00	599	207.00	3215	327.00	179
80.00	1669	143.00	226	208.00	462	334.00	1459
81.00	2624	146.00	185	211.00	692	335.00	172
82.00	692	147.00	789	216.00	206	346.00	296
83.00	739	148.00	1810	217.00	5232	352.00	318
84.00	169	149.00	204	218.00	718	353.00	297
85.00	485	153.00	433	221.00	5137	354.00	297
86.00	745	154.00	200	223.00	1331	365.00	2324
87.00	384	155.00	930	224.00	11936	366.00	198
91.00	650	156.00	1947	225.00	2975	372.00	1017
92.00	620	157.00	430	227.00	4445	383.00	194
93.00	3795	160.00	588	228.00	332	402.00	215
94.00	177	161.00	821	229.00	1050	403.00	489
98.00	2172	165.00	679	231.00	246	421.00	502
99.00	2342	166.00	472	234.00	196	423.00	3788
101.00	1531	167.00	3895	242.00	408	424.00	593

Data File: \\target_server\gg\chem\gcms-u.i\U070114.b\UD165.D

Date : 01-JUL-2014 13:13

Client ID: DFTPP02

Instrument: gcms-u.i

Sample Info: WG145731-1,WE53-7

Operator: JCG

Column phase: RTX-5SILMS

Column diameter: 0.25

Data File: UD165.D

Spectrum: Avg. Scans 139-141 (7.53), Background Scan 135

Location of Maximum: 198.00

Number of points: 165

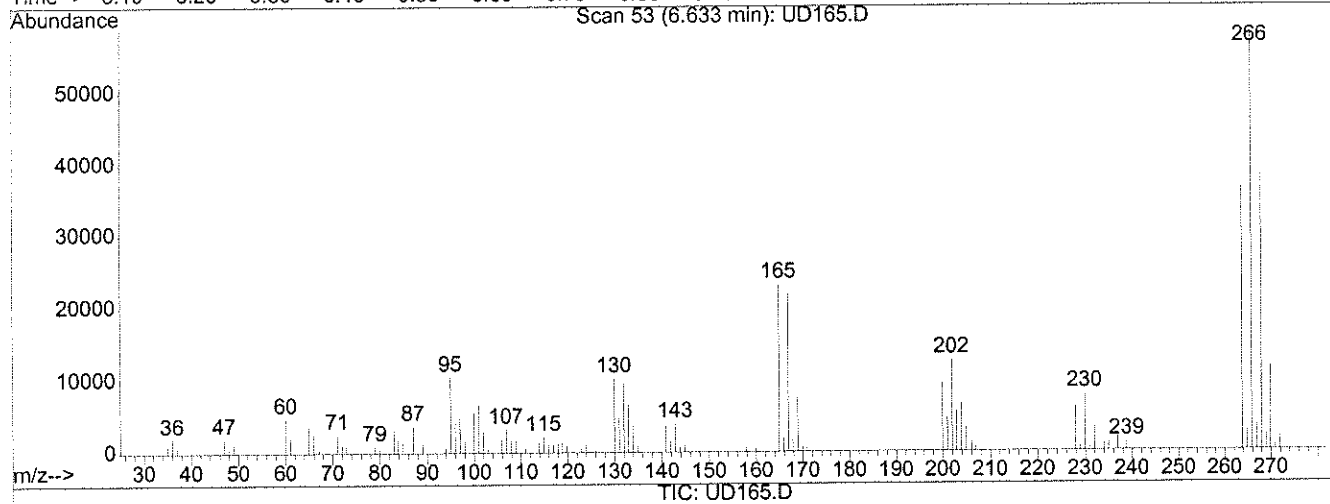
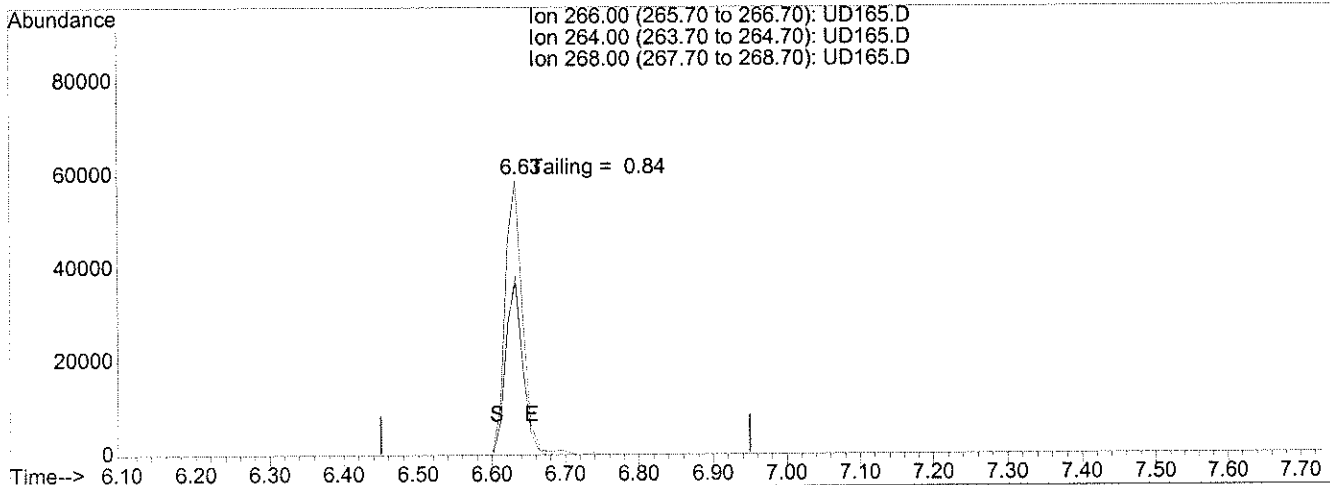
m/z	Y	m/z	Y	m/z	Y	m/z	Y
103.00	202	168.00	1509	243.00	581	441.00	12634
104.00	817	169.00	212	244.00	9683	442.00	76944
105.00	686	172.00	216	245.00	1203	443.00	14810
107.00	12339	173.00	226	246.00	1514	444.00	1295
108.00	1826	174.00	757	249.00	229		
109.00	182	175.00	1562	255.00	51488		
110.00	25096	176.00	632	256.00	6956		

Quantitation Report

Data File : C:\HPCHEM\1\DATA\U070114\UD165.D
 Acq On : 1 Jul 2014 1:13 pm
 Sample : WG145731-1
 Misc : WG145731, WG145731, WG145667-4
 MS Acquisition Parameters: 2 SE 20 P4

Vial: 1
 Operator: JCG
 Inst : GC/MS Ins
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TUNETAIL.M (RTE Integrator)
 Title : Katahdin 8270C Water Calibration
 Last Update : Wed Jun 18 10:37:38 2014
 Response via : Multiple Level Calibration



(1) Pentachlorophenol (CM)

6.63min 44.08ug/L

response 97472

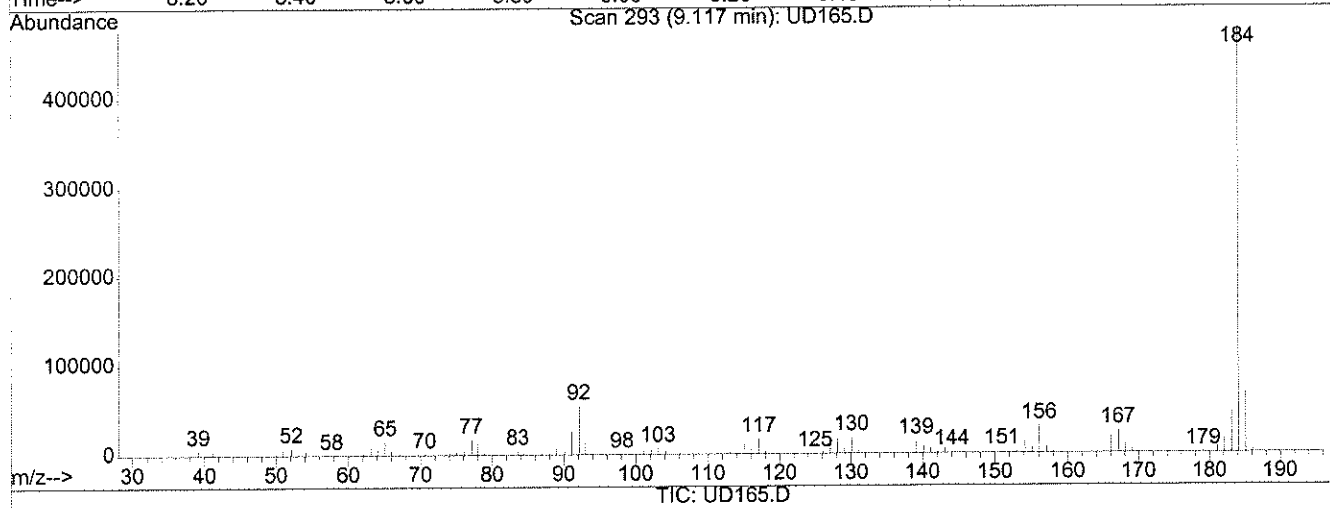
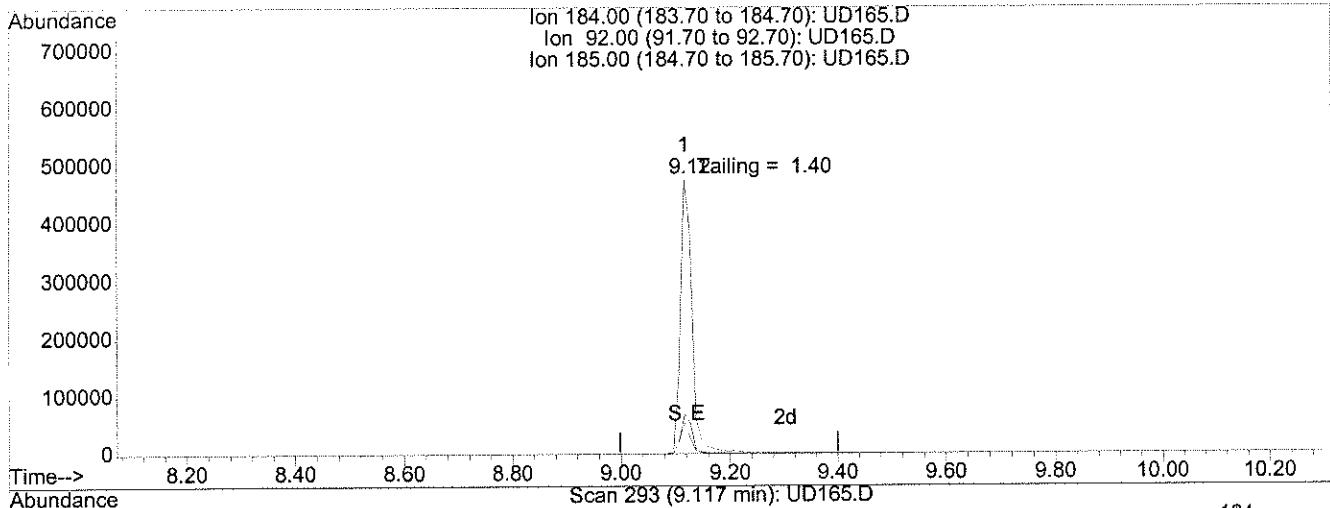
Ion	Exp%	Act%
266.00	100	100
264.00	62.00	61.50
268.00	63.50	62.71
0.00	0.00	0.00

Quantitation Report

Data File : C:\HPCHEM\1\DATA\U070114\UD165.D
 Acq On : 1 Jul 2014 1:13 pm
 Sample : WG145731-1
 Misc : WG145731, WG145731, WG145667-4
 Quantitation Parameters: 26EP0P4

Vial: 1
 Operator: JCG
 Inst : GC/MS Ins
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TUNETAIL.M (RTE Integrator)
 Title : Katahdin 8270C Water Calibration
 Last Update : Wed Jun 18 10:37:38 2014
 Response via : Multiple Level Calibration



(2) Benzidine (T)

9.12min 159.26ug/L

response 714462

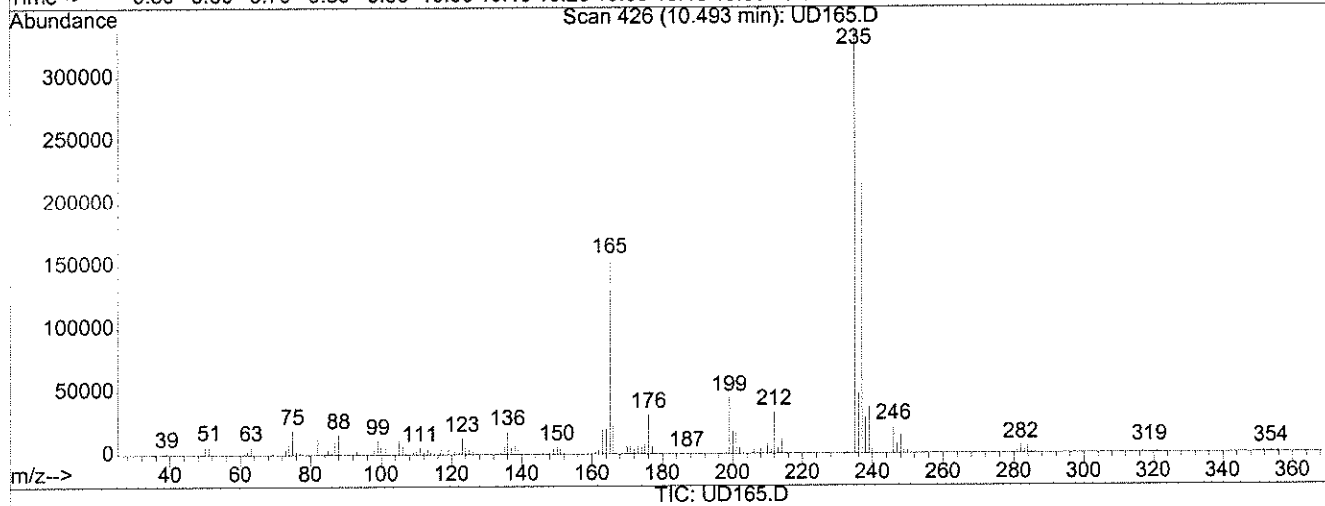
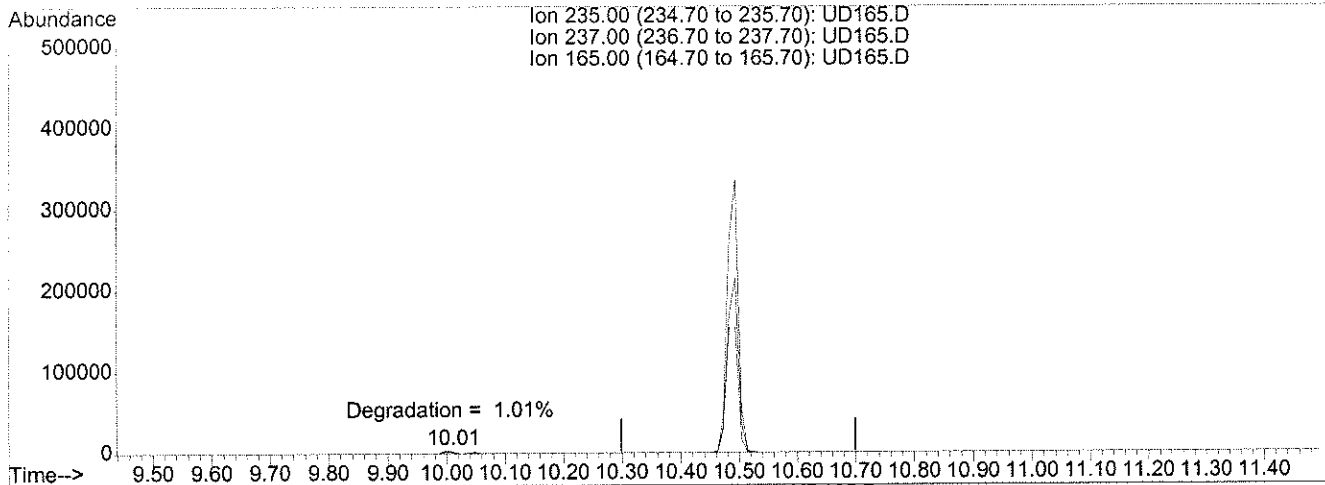
Ion	Exp%	Act%
184.00	100	100
92.00	12.20	10.18
185.00	14.40	14.17
0.00	0.00	0.00

Quantitation Report

Data File : C:\HPCHEM\1\DATA\U070114\UD165.D
 Acq On : 1 Jul 2014 1:13 pm
 Sample : WG145731-1
 Misc : WG145731, WG145731, WG145667-4
 Quantitation Parameters: 26E20P4

Vial: 1
 Operator: JCG
 Inst : GC/MS Ins
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TUNETAIL.M (RTE Integrator)
 Title : Katahdin 8270C Water Calibration
 Last Update : Wed Jun 18 10:37:38 2014
 Response via : Multiple Level Calibration



(3) 4,4'-DDT (T)

10.49min 97.22ug/L

response 436157

Ion	Exp%	Act%
235.00	100	100
237.00	50.00	64.17
165.00	50.00	51.08
0.00	0.00	0.00

Data File: \\target_server\gg\chem\goms-u,i\U070314,b\UD167.D

Date : 03-JUL-2014 10:12

Client ID: DFTPP02

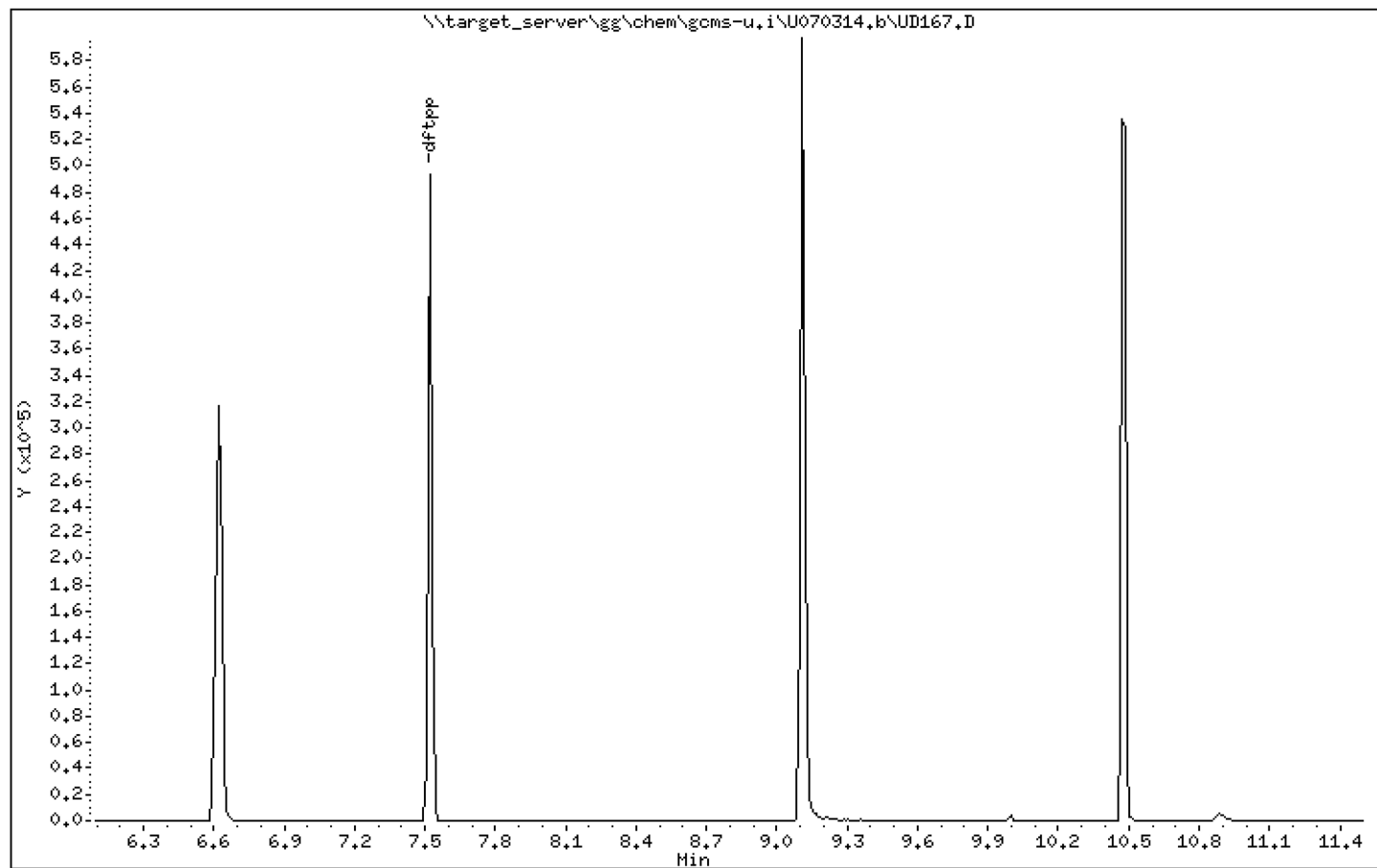
Instrument: goms-u.i

Sample Info: WG145897-1,WE53-7

Operator: JCG

Column phase: RTX-5SILMS

Column diameter: 0.25



Data File: \\target_server\gg\chem\gcms-u.i\U070314.b\UD167.D

Date : 03-JUL-2014 10:12

Client ID: DFTPP02

Instrument: gcms-u.i

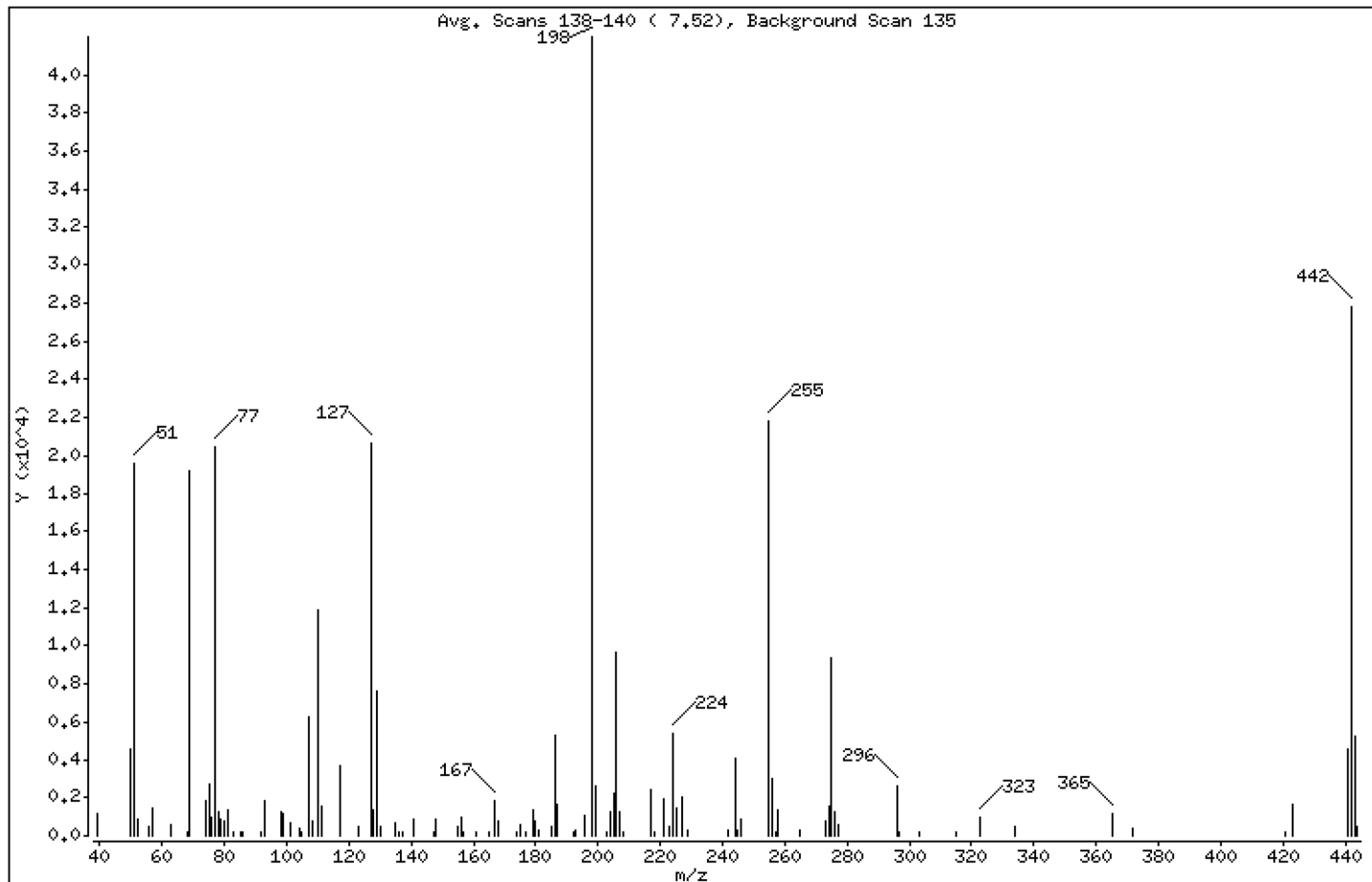
Sample Info: WG145897-1,WE53-7

Operator: JCG

Column phase: RTX-5SILMS

Column diameter: 0.25

1 dftpp



m/e		ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance		100.00
51	30.00 - 60.00% of mass 198		46.74
68	Less than 2.00% of mass 69		0.40 (0.88)
69	Less than 100.00% of mass 198		45.69
70	Less than 2.00% of mass 69		0.00 (0.00)
127	40.00 - 60.00% of mass 198		49.24
197	Less than 1.00% of mass 198		0.00
199	5.00 - 9.00% of mass 198		6.12
275	10.00 - 30.00% of mass 198		22.27
365	1.00 - 100.00% of mass 198		2.76
441	0.01 - 100.00% of mass 443		10.77 (86.35)
442	40.00 - 100.00% of mass 198		66.29
443	17.00 - 23.00% of mass 442		12.47 (18.82)

Data File: \\target_server\gg\chen\gcms-u.i\U070314,b\UD167.D

Date : 03-JUL-2014 10:12

Client ID: DFTPP02

Instrument: gcms-u.i

Sample Info: WG145897-1,WE53-7

Operator: JCG

Column phase: RTX-5SILMS

Column diameter: 0.25

Data File: UD167.D

Spectrum: Avg. Scans 138-140 (7.52), Background Scan 135

Location of Maximum: 198.00

Number of points: 106

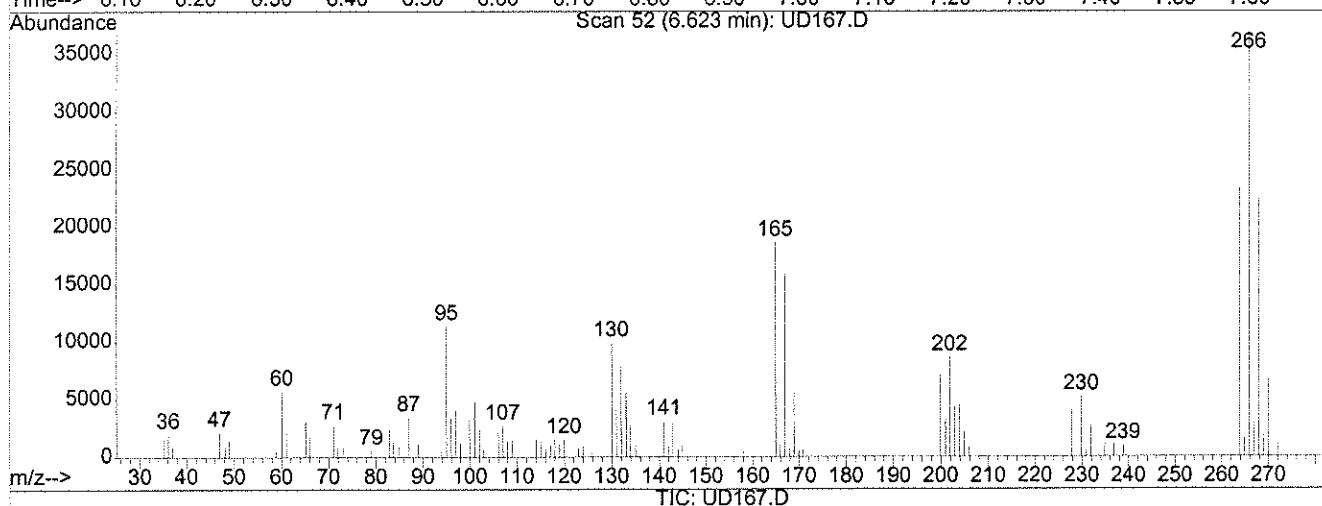
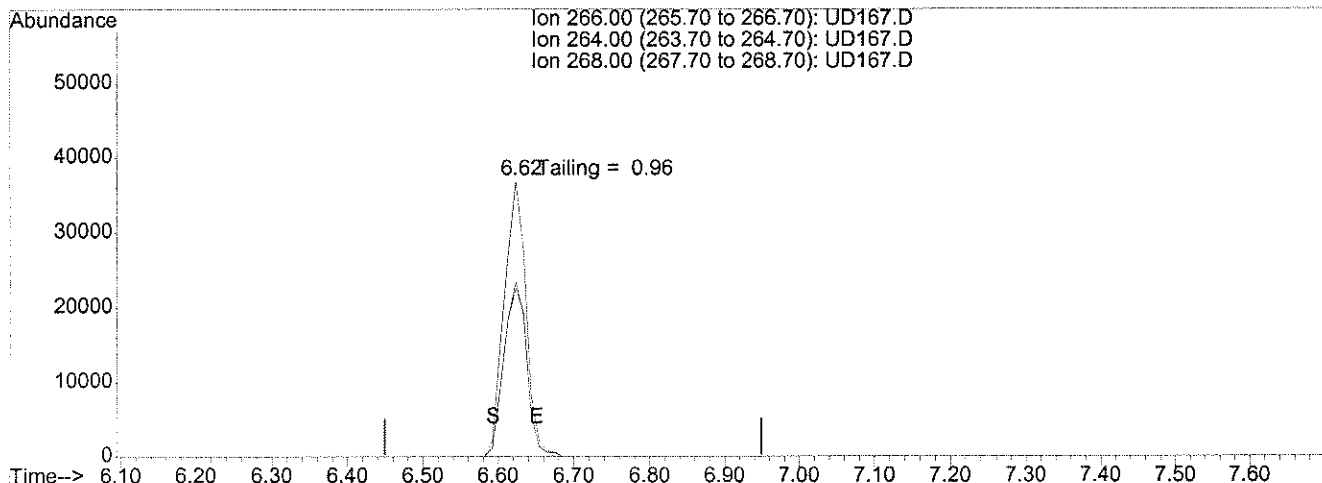
m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	1154	107.00	6320	180.00	800	246.00	826
50.00	4546	108.00	799	181.00	277	255.00	21792
51.00	19624	110.00	11849	185.00	436	256.00	3040
52.00	821	111.00	1551	186.00	5354	257.00	205
56.00	467	117.00	3679	187.00	1612	258.00	1353
57.00	1451	123.00	464	192.00	191	265.00	243
63.00	601	127.00	20672	193.00	255	273.00	727
68.00	168	128.00	1304	196.00	1061	274.00	1549
69.00	19184	129.00	7627	198.00	41984	275.00	9349
74.00	1793	130.00	519	199.00	2571	276.00	1228
75.00	2724	135.00	685	203.00	179	277.00	596
76.00	933	136.00	176	204.00	1284	296.00	2569
77.00	20504	137.00	189	205.00	2216	297.00	225
78.00	1278	141.00	851	206.00	9640	303.00	167
79.00	879	147.00	179	207.00	1274	315.00	184
80.00	816	148.00	862	208.00	169	323.00	952
81.00	1363	155.00	500	217.00	2431	334.00	449
83.00	213	156.00	959	218.00	198	365.00	1158
85.00	173	157.00	167	221.00	1975	372.00	429
86.00	214	161.00	216	223.00	465	421.00	197
92.00	228	165.00	169	224.00	5389	423.00	1637
93.00	1853	167.00	1873	225.00	1451	441.00	4522
98.00	1209	168.00	762	227.00	2013	442.00	27832
99.00	1185	174.00	210	229.00	300	443.00	5237
101.00	640	175.00	607	242.00	243	444.00	448
104.00	378	177.00	193	244.00	4025		
105.00	185	179.00	1379	245.00	250		

Quantitation Report

Data File : C:\HPCHEM\1\DATA\U070314\UD167.D
 Acq On : 3 Jul 2014 10:12 am
 Sample : WG145897-1
 Misc : WG145897, WG145897, WG145897-4
 Sample Name: 5SEP04

Vial: 1
 Operator: JCG
 Inst : GC/MS Ins
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TUNETAIL.M (RTE Integrator)
 Title : Katahdin 8270C Water Calibration
 Last Update : Wed Jun 18 10:37:38 2014
 Response via : Multiple Level Calibration



(1) Pentachlorophenol (CM)

6.62min 33.68ug/L

response 74461

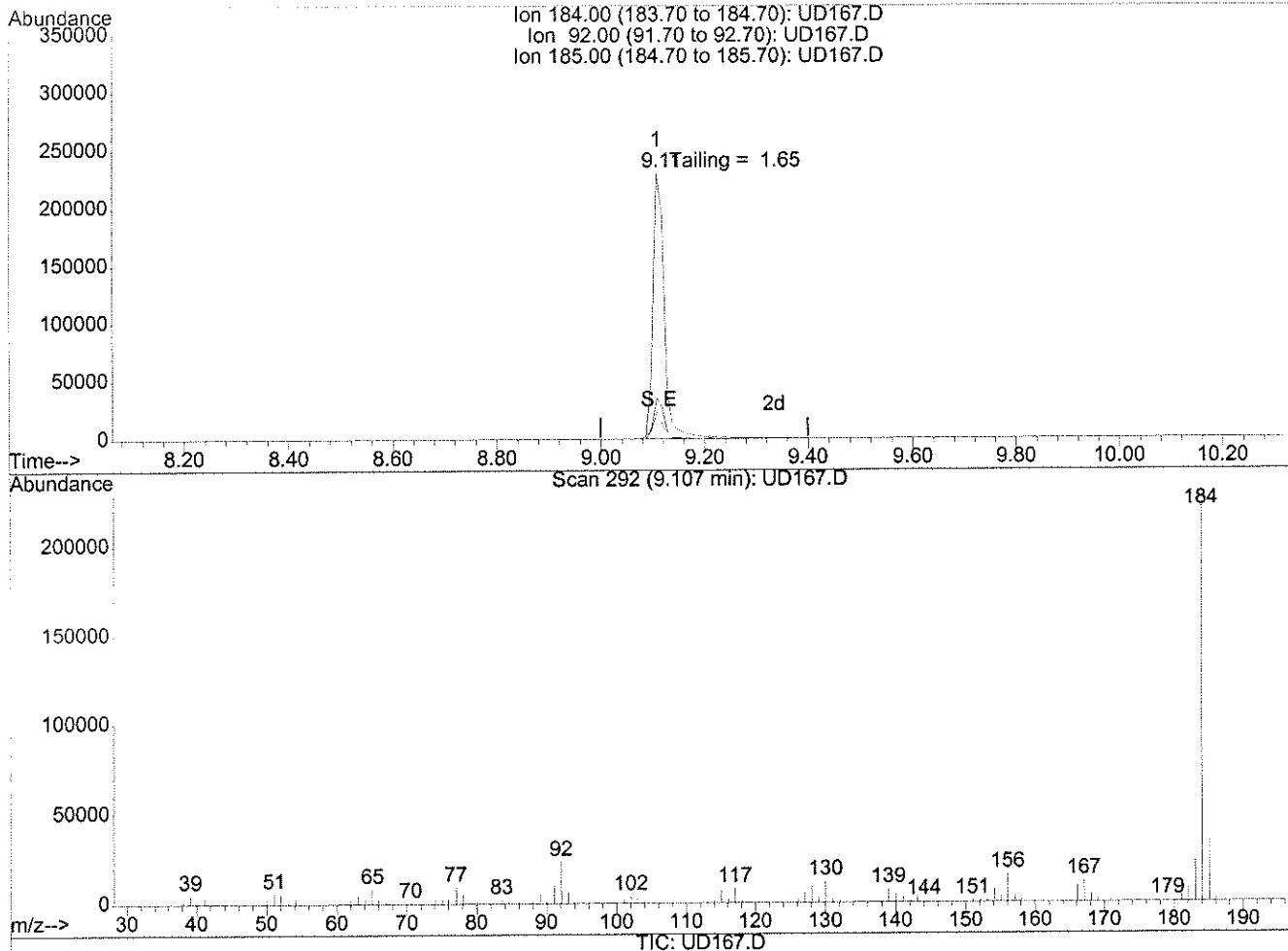
Ion	Exp%	Act%
266.00	100	100
264.00	62.00	66.09
268.00	63.50	64.98
0.00	0.00	0.00

Quantitation Report

Data File : C:\HPCHEM\1\DATA\U070314\UD167.D
 Acq On : 3 Jul 2014 10:12 am
 Sample : WG145897-1
 Misc : WG145897, WG145897, WG145897-4
 Quantitation Parameters: 5 SE 20 P4

Vial: 1
 Operator: JCG
 Inst : GC/MS Ins
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TUNETAIL.M (RTE Integrator)
 Title : Katahdin 8270C Water Calibration
 Last Update : Wed Jun 18 10:37:38 2014
 Response via : Multiple Level Calibration



(2) Benzidine (T)

9.11min 78.25ug/L

response 351054

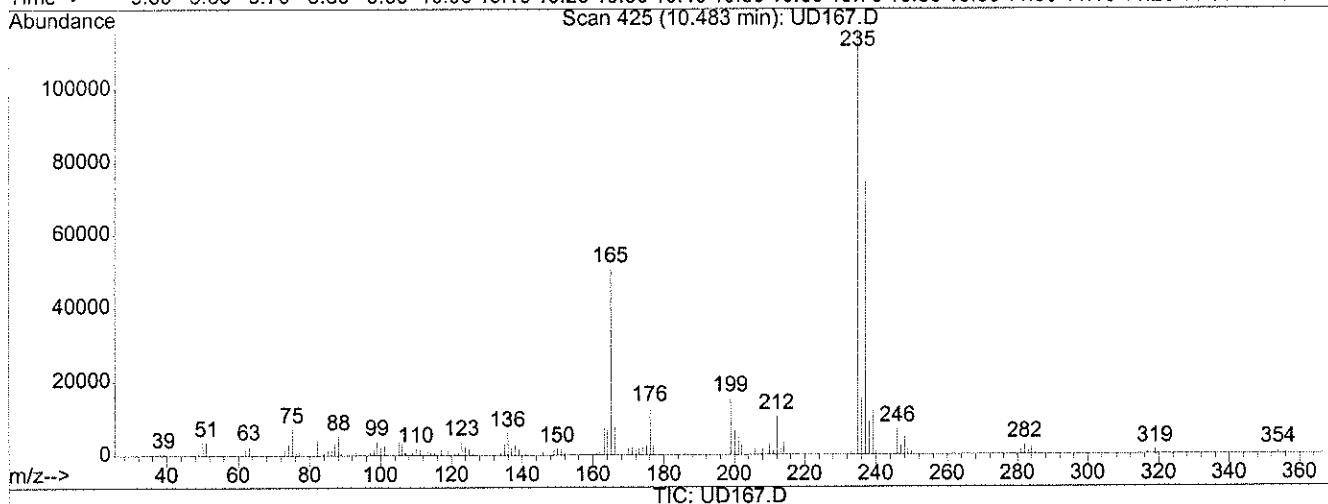
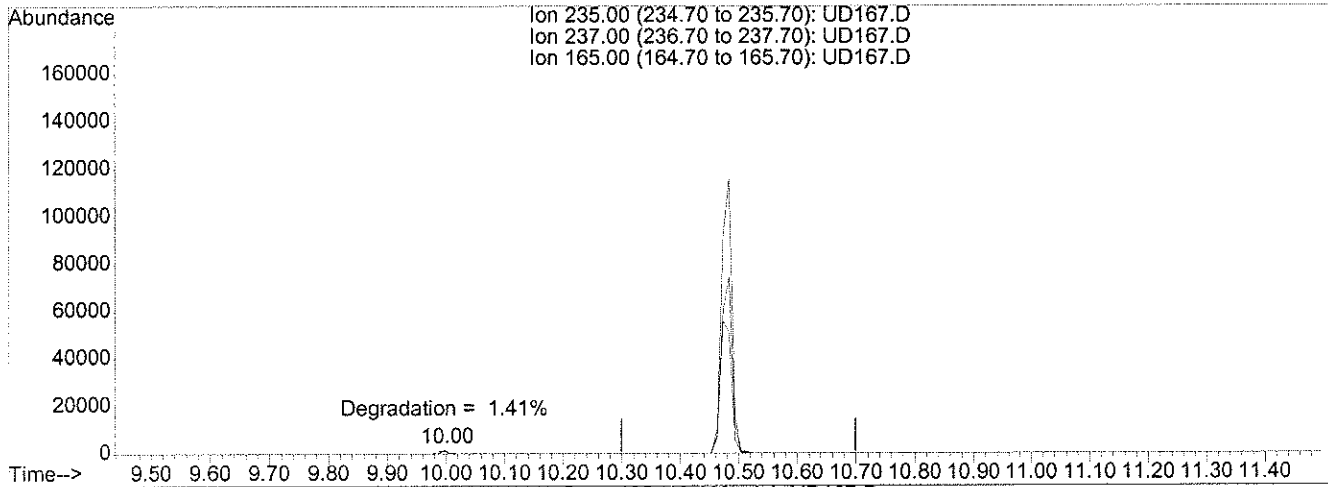
Ion	Exp%	Act%
184.00	100	100
92.00	12.20	8.40
185.00	14.40	14.29
0.00	0.00	0.00

Quantitation Report

Data File : C:\HPCHEM\1\DATA\U070314\UD167.D
 Acq On : 3 Jul 2014 10:12 am
 Sample : WG145897-1
 Misc : WG145897, WG145897, WG145897-4
 Quantitation Path: 5SEP04

Vial: 1
 Operator: JCG
 Inst : GC/MS Ins
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TUNETAIL.M (RTE Integrator)
 Title : Katahdin 8270C Water Calibration
 Last Update : Wed Jun 18 10:37:38 2014
 Response via : Multiple Level Calibration



(3) 4,4'-DDT (T)

10.48min 32.61ug/L

response 146294

Ion	Exp%	Act%
235.00	100	100
237.00	50.00	65.51
165.00	50.00	51.29
0.00	0.00	0.00

Data File: \\target_server\gg\chem\goms-u,i\U070314B,b\UD168.D

Date : 03-JUL-2014 15:42

Client ID: DFTPP02

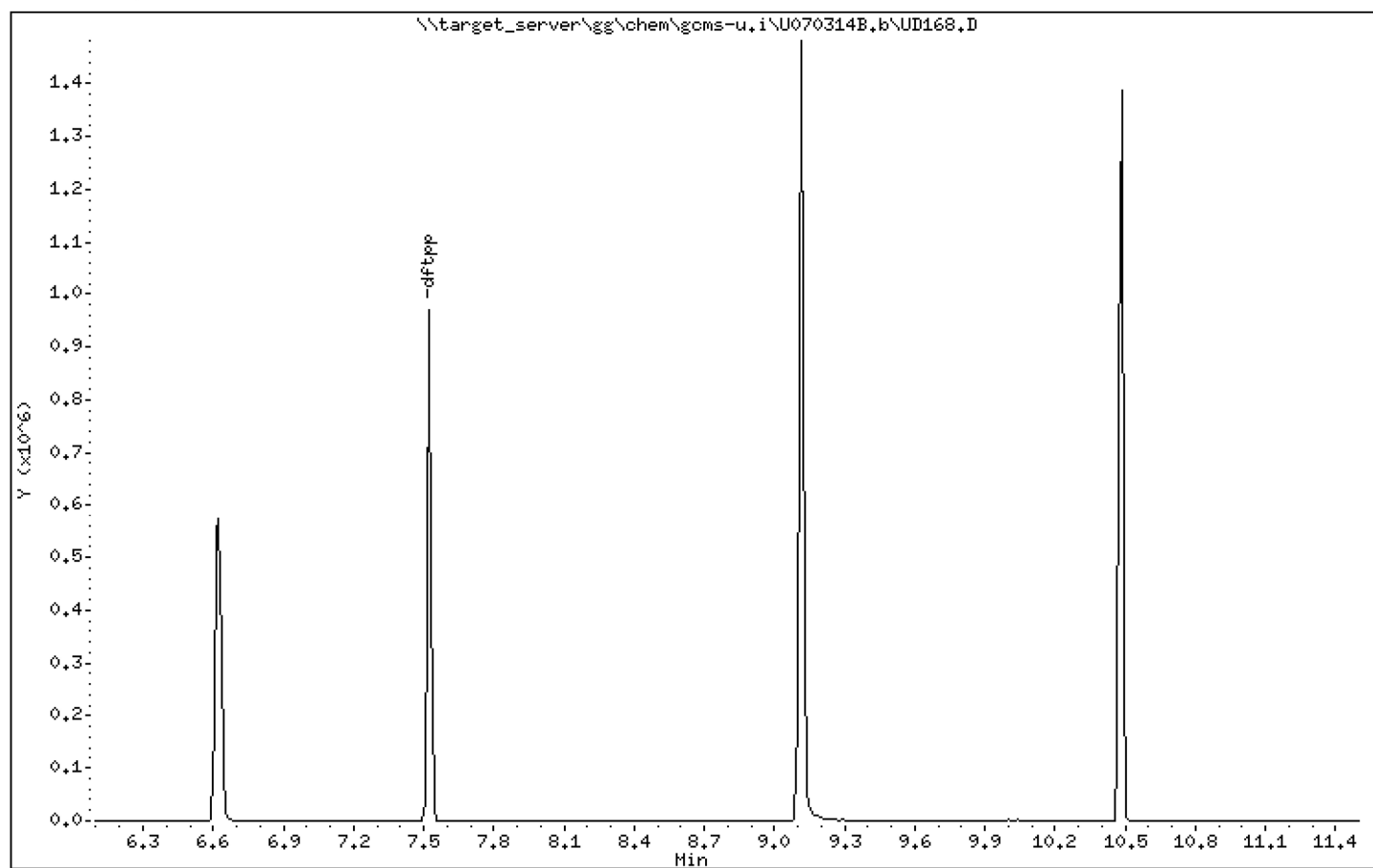
Instrument: goms-u.i

Sample Info: WG145924-1,WE53-7

Operator: JCG

Column phase: RTX-5SILMS

Column diameter: 0.25



Data File: \\target_server\gg\chem\gcms-u.i\U070314B.b\UD168.D

Date : 03-JUL-2014 15:42

Client ID: DFTPP02

Instrument: gcms-u.i

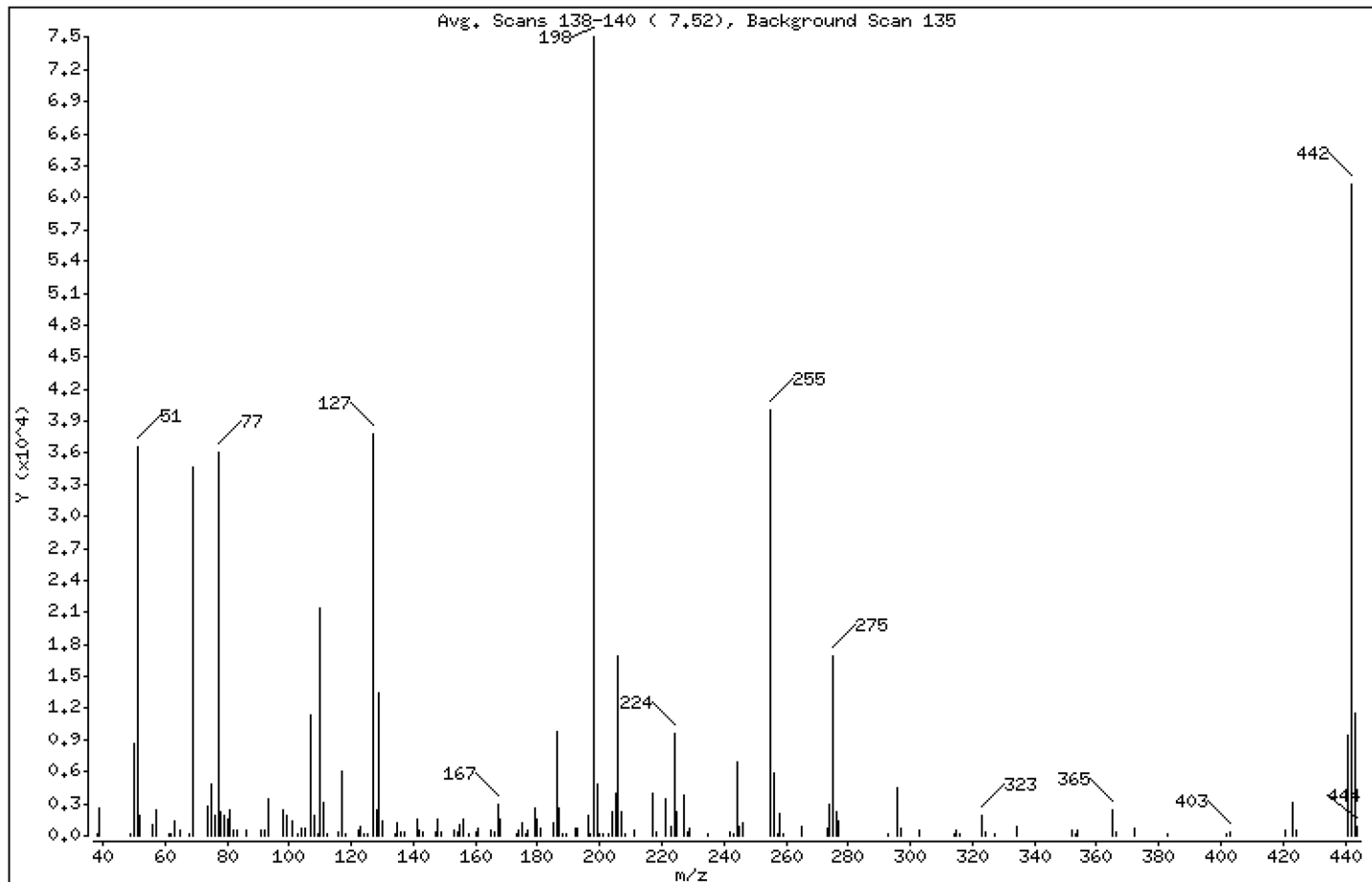
Sample Info: WG145924-1,WE53-7

Operator: JCG

Column phase: RTX-5SILMS

Column diameter: 0.25

1 dftpp



m/e		ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE

198		Base Peak, 100% relative abundance	100.00
51		30.00 - 60.00% of mass 198	48.79
68		Less than 2.00% of mass 69	0.34 (0.74)
69		Less than 100.00% of mass 198	46.09
70		Less than 2.00% of mass 69	0.00 (0.00)
127		40.00 - 60.00% of mass 198	50.39
197		Less than 1.00% of mass 198	0.27
199		5.00 - 9.00% of mass 198	6.46
275		10.00 - 30.00% of mass 198	22.60
365		1.00 - 100.00% of mass 198	3.16
441		0.01 - 100.00% of mass 443	12.62 (81.31)
442		40.00 - 100.00% of mass 198	81.66
443		17.00 - 23.00% of mass 442	15.52 (19.00)

Data File: \\target_server\gg\chen\goms-u.i\U070314B.b\UD168.D

Date : 03-JUL-2014 15:42

Client ID: DFTPP02

Instrument: goms-u.i

Sample Info: WG145924-1,WE53-7

Operator: JCG

Column phase: RTX-5SILMS

Column diameter: 0.25

Data File: UD168.D

Spectrum: Avg. Scans 138-140 (7.52), Background Scan 135

Location of Maximum: 198.00

Number of points: 153

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	234	112.00	200	180.00	1614	257.00	202
39.00	2630	116.00	263	181.00	651	258.00	2055
49.00	188	117.00	6097	185.00	1159	259.00	241
50.00	8662	118.00	241	186.00	9810	265.00	786
51.00	36632	122.00	462	187.00	2655	273.00	752
52.00	1890	123.00	886	188.00	195	274.00	2884
56.00	968	124.00	206	189.00	235	275.00	16968
57.00	2441	125.00	202	192.00	671	276.00	2328
61.00	193	127.00	37832	193.00	686	277.00	1348
62.00	209	128.00	2433	196.00	1820	293.00	229
63.00	1390	129.00	13535	197.00	205	296.00	4519
65.00	547	130.00	1375	198.00	75080	297.00	611
68.00	255	134.00	177	199.00	4849	303.00	443
69.00	34608	135.00	1137	200.00	177	314.00	184
74.00	2703	136.00	316	201.00	186	315.00	501
75.00	4825	137.00	263	203.00	207	316.00	191
76.00	1851	141.00	1540	204.00	2291	323.00	1826
77.00	36128	142.00	523	205.00	3918	324.00	289
78.00	2251	143.00	272	206.00	16856	327.00	175
79.00	1931	147.00	396	207.00	2199	334.00	857
80.00	1632	148.00	1505	208.00	208	352.00	493
81.00	2367	149.00	389	211.00	462	353.00	179
82.00	546	153.00	475	217.00	4046	354.00	500
83.00	584	154.00	262	218.00	285	365.00	2372
86.00	512	155.00	1056	221.00	3394	366.00	359
91.00	481	156.00	1490	223.00	897	372.00	692
92.00	444	158.00	184	224.00	9586	383.00	184
93.00	3388	160.00	366	225.00	2240	402.00	184
98.00	2401	161.00	724	227.00	3770	403.00	404
99.00	1887	165.00	522	228.00	318	421.00	468
101.00	1385	166.00	304	229.00	737	423.00	3030
103.00	245	167.00	2915	235.00	174	424.00	458
104.00	651	168.00	1510	242.00	342	441.00	9473
105.00	681	173.00	194	243.00	234	442.00	61312
107.00	11404	174.00	483	244.00	6830	443.00	11650

Data File: \\target_server\gg\chem\gcms-u.i\U070314B.b\UD168.D

Date : 03-JUL-2014 15:42

Client ID: DFTPP02

Instrument: gcms-u.i

Sample Info: WG145924-1,WE53-7

Operator: JCG

Column phase: RTX-5SILMS

Column diameter: 0.25

Data File: UD168.D

Spectrum: Avg. Scans 138-140 (7.52), Background Scan 135

Location of Maximum: 198.00

Number of points: 153

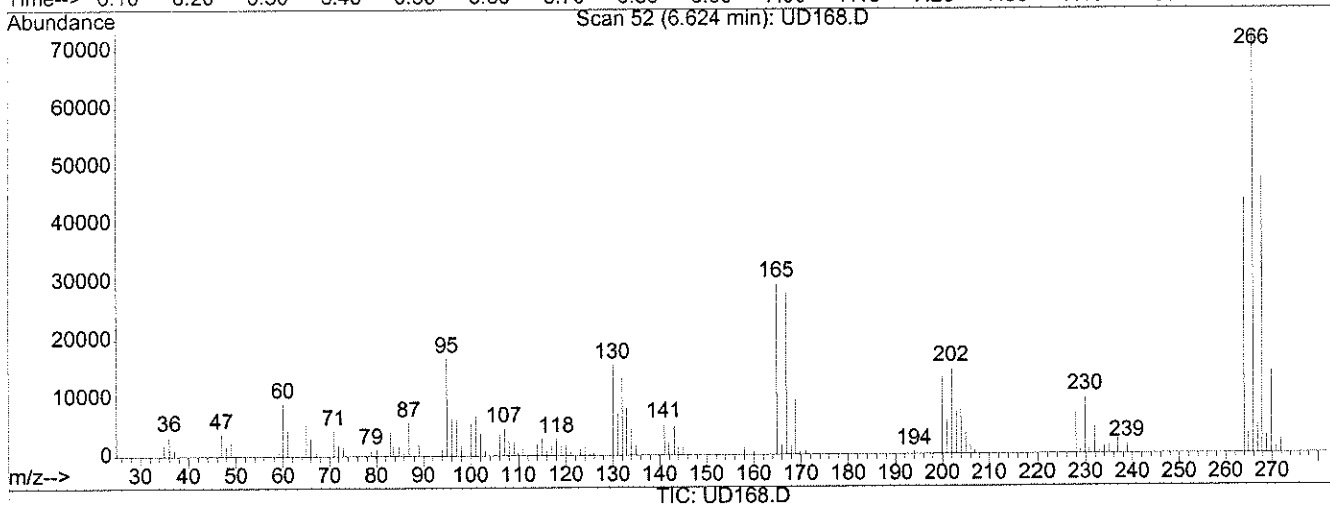
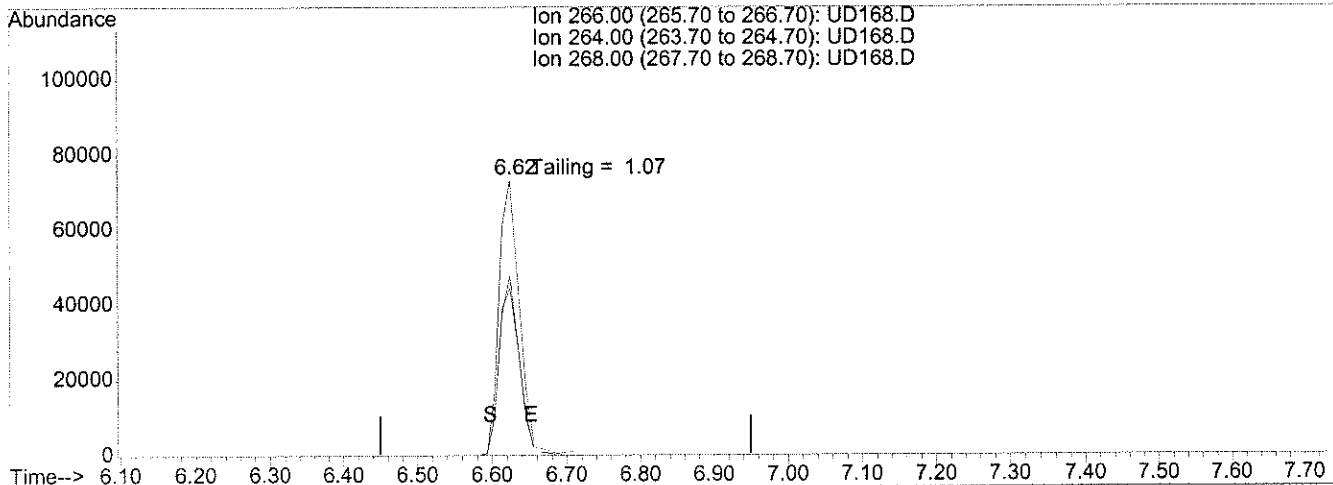
m/z	Y	m/z	Y	m/z	Y	m/z	Y
108.00	1850	175.00	1206	245.00	907	444.00	901
109.00	188	176.00	176	246.00	1242		
110.00	21448	177.00	533	255.00	40128		
111.00	3070	179.00	2529	256.00	5816		

Quantitation Report

Data File : C:\HPCHEM\1\DATA\U070314B\UD168.D
 Acq On : 3 Jul 2014 3:42 pm
 Sample : WG145924-1
 Misc : WG145924, WG145924, WG145897-4
 Quantitation Parameters: 5 SEP 2014

Vial: 1
 Operator: JCG
 Inst : GC/MS Ins
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TUNETAIL.M (RTE Integrator)
 Title : Katahdin 8270C Water Calibration
 Last Update : Wed Jun 18 10:37:38 2014
 Response via : Multiple Level Calibration



(1) Pentachlorophenol (CM)

6.62min 62.89ug/L

response 139056

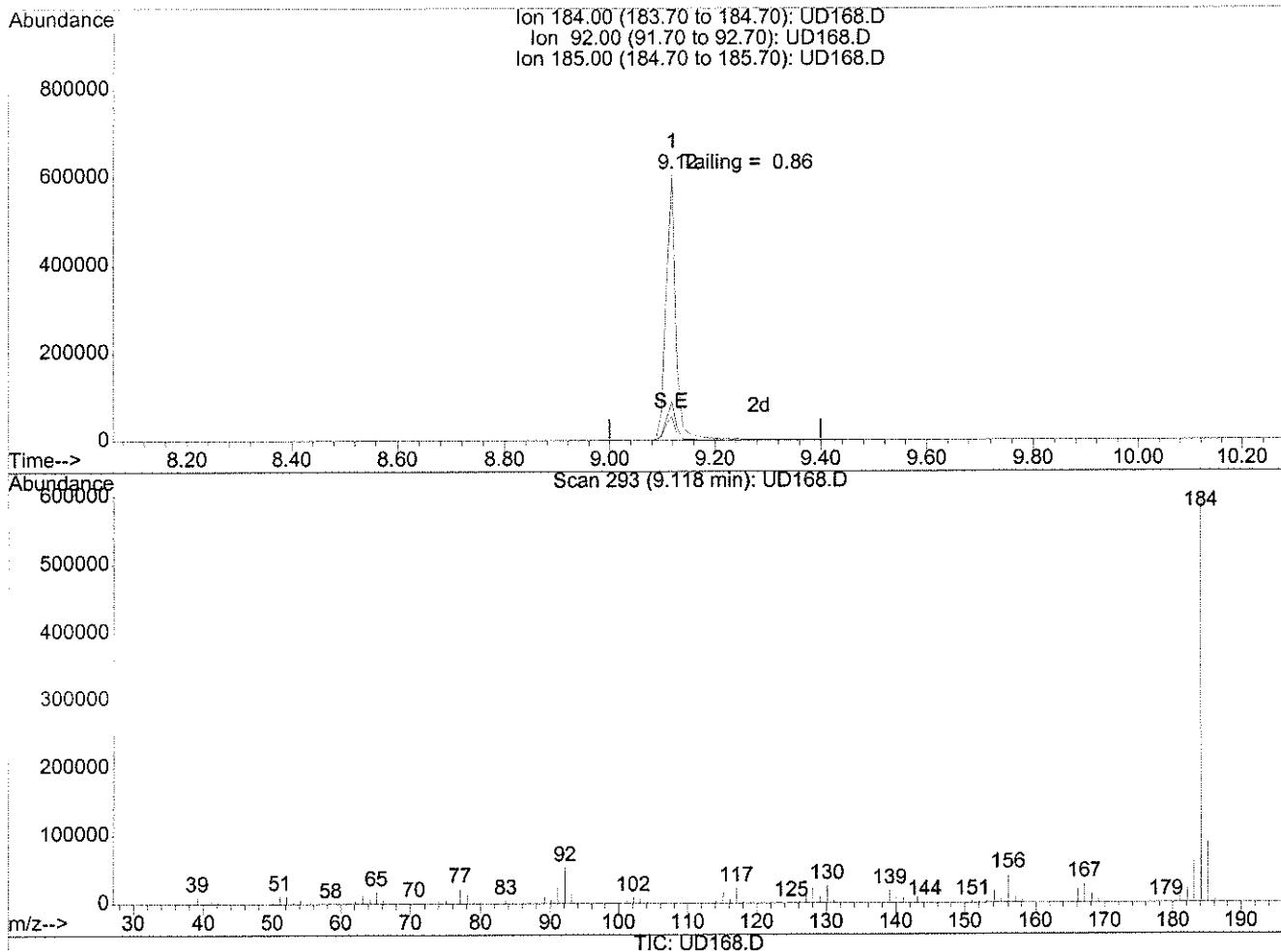
Ion	Exp%	Act%
266.00	100	100
264.00	62.00	61.18
268.00	63.50	63.10
0.00	0.00	0.00

Quantitation Report

Data File : C:\HPCHEM\1\DATA\U070314B\UD168.D
 Acq On : 3 Jul 2014 3:42 pm
 Sample : WG145924-1
 Misc : WG145924, WG145924, WG145897-4
 Quantitation Parameters: 5 SEP 2014

Vial: 1
 Operator: JCG
 Inst : GC/MS Ins
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TUNETAIL.M (RTE Integrator)
 Title : Katahdin 8270C Water Calibration
 Last Update : Wed Jun 18 10:37:38 2014
 Response via : Multiple Level Calibration



(2) Benzidine (T)

9.12min 176.34ug/L

response 791102

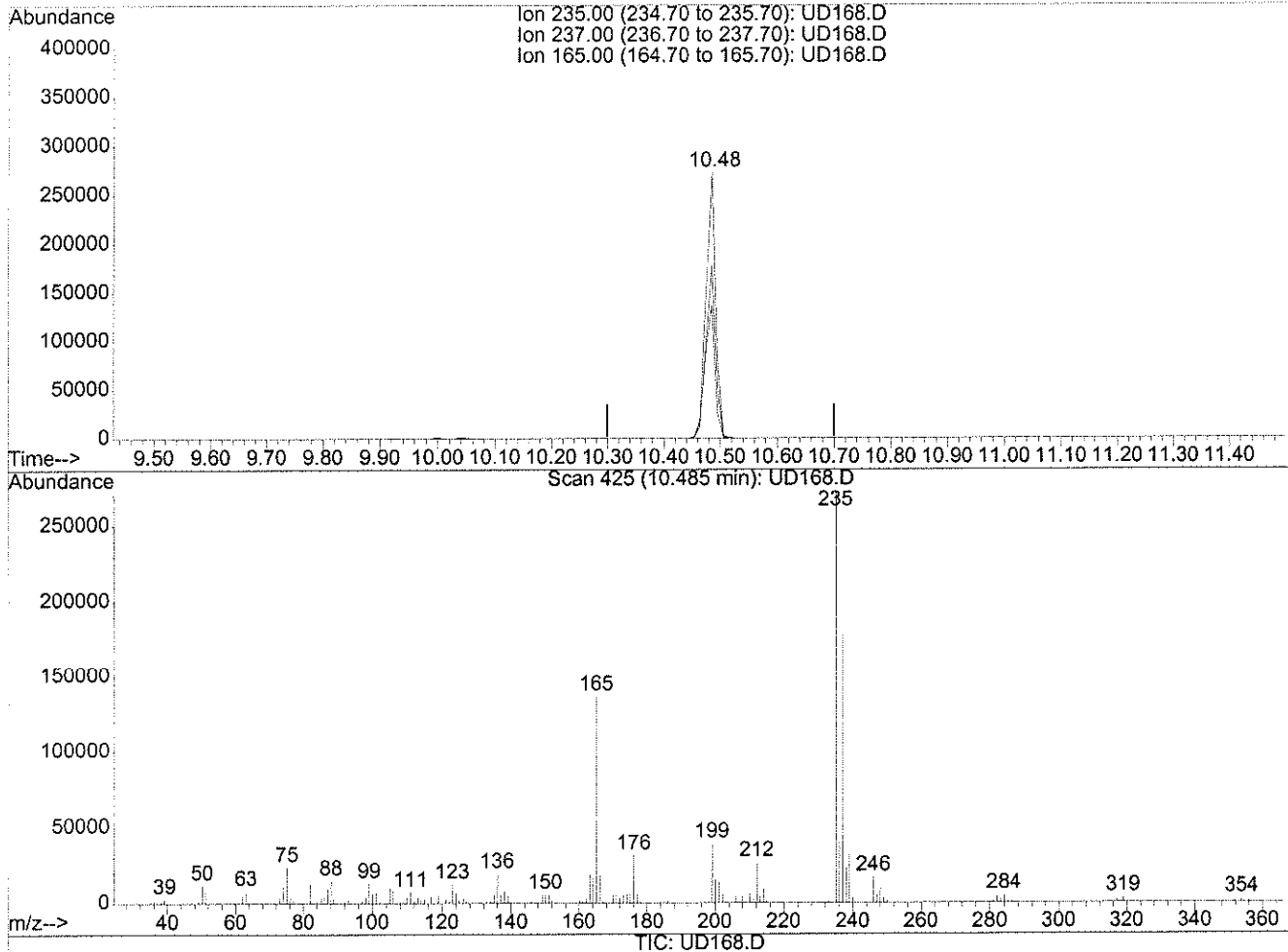
Ion	Exp%	Act%
184.00	100	100
92.00	12.20	9.11
185.00	14.40	14.64
0.00	0.00	0.00

Quantitation Report

Data File : C:\HPCHEM\1\DATA\U070314B\UD168.D
 Acq On : 3 Jul 2014 3:42 pm
 Sample : WG145924-1
 Misc : WG145924, WG145924, WG145897-4
 Quantitation Path: 5SEP04

Vial: 1
 Operator: JCG
 Inst : GC/MS Ins
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TUNETAIL.M (RTE Integrator)
 Title : Katahdin 8270C Water Calibration
 Last Update : Wed Jun 18 10:37:38 2014
 Response via : Multiple Level Calibration



(3) 4,4'-DDT (T)

10.48min 71.86ug/L

response 322382

Ion	Exp%	Act%
235.00	100	100
237.00	50.00	64.63
165.00	50.00	51.17
0.00	0.00	0.00

Data File: \\target_server\gg\chem\gcms-u,i\U071114,b\UD173.D

Date : 11-JUL-2014 10:21

Client ID: DFTPP02

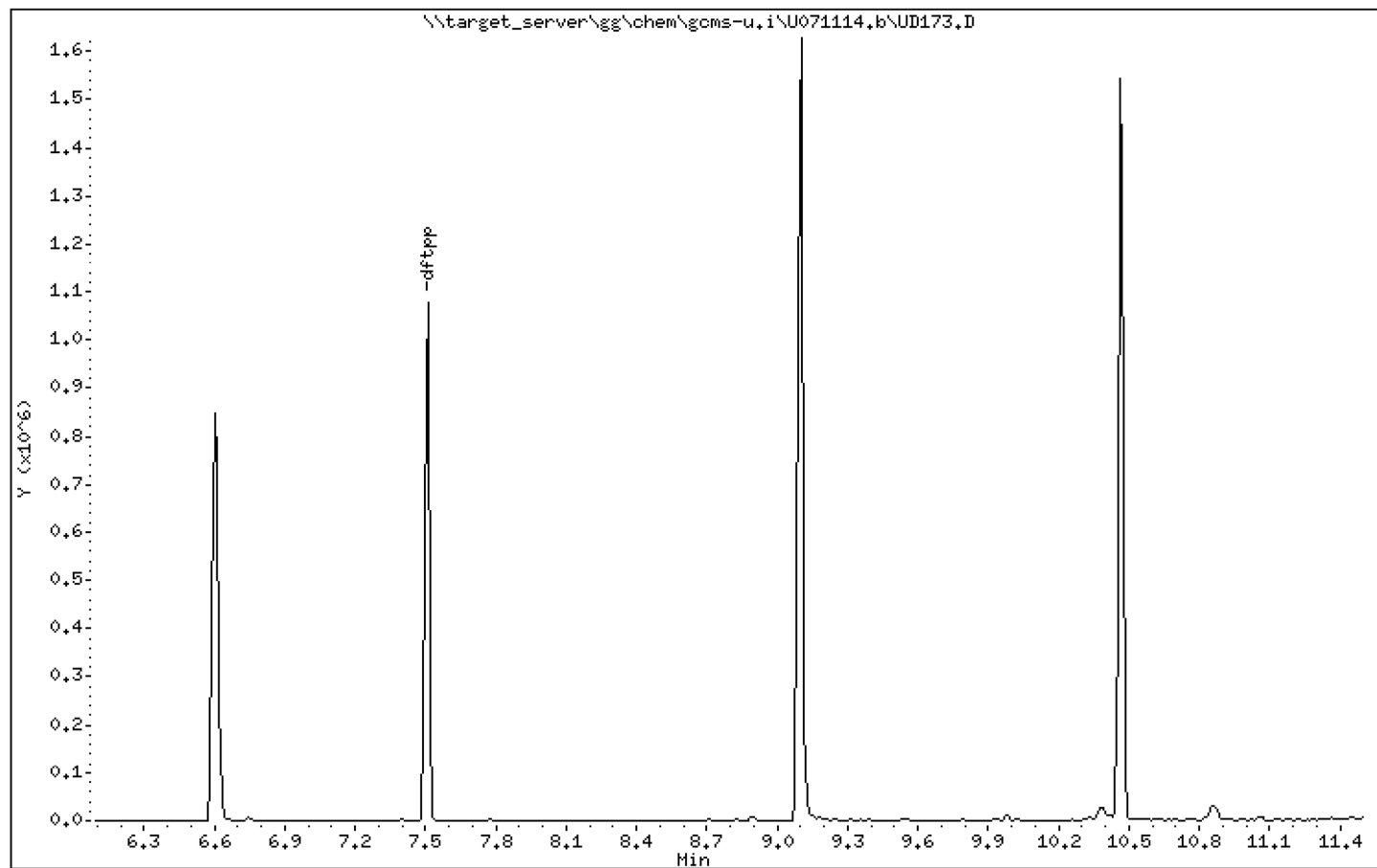
Instrument: gcms-u.i

Sample Info: WG146330-1,WE53-7

Operator: JCG

Column phase: RTX-5SILMS

Column diameter: 0.25



Data File: \\target_server\gg\chem\gcms-u.i\U071114.b\UD173.D

Date : 11-JUL-2014 10:21

Client ID: DFTPP02

Instrument: gcms-u.i

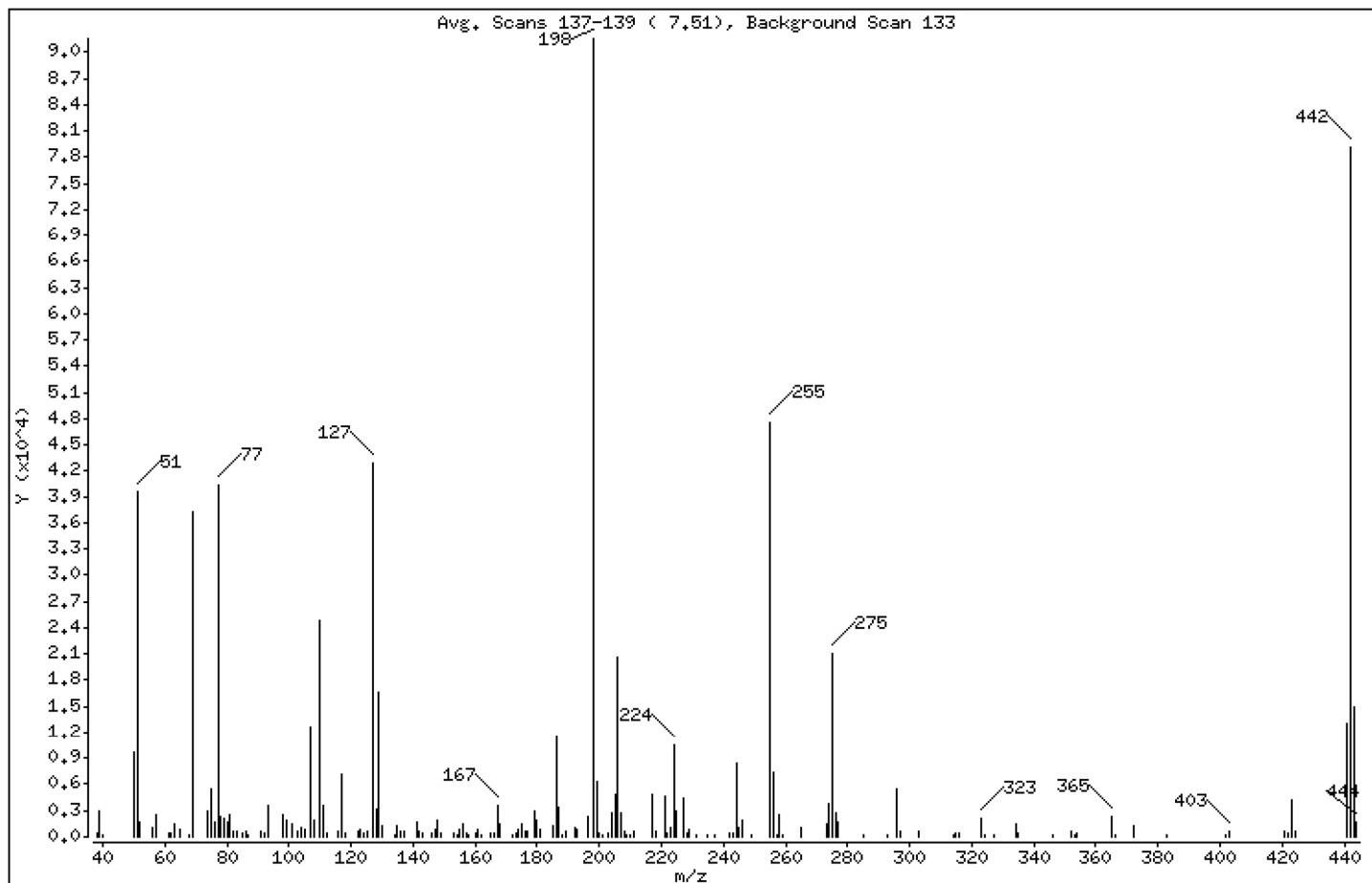
Sample Info: WG146330-1,WE53-7

Operator: JCG

Column phase: RTX-5SILMS

Column diameter: 0.25

1 dftpp



m/e		ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198		Base Peak, 100% relative abundance	100.00
51		30.00 - 60.00% of mass 198	43.23
68		Less than 2.00% of mass 69	0.29 (0.71)
69		Less than 100.00% of mass 198	40.78
70		Less than 2.00% of mass 69	0.00 (0.00)
127		40.00 - 60.00% of mass 198	46.91
197		Less than 1.00% of mass 198	0.00
199		5.00 - 9.00% of mass 198	6.87
275		10.00 - 30.00% of mass 198	22.98
365		1.00 - 100.00% of mass 198	2.53
441		0.01 - 100.00% of mass 443	14.27 (87.34)
442		40.00 - 100.00% of mass 198	86.33
443		17.00 - 23.00% of mass 442	16.34 (18.92)

Data File: \\target_server\gg\chen\goms-u.i\U071114,b\UD173.D

Date : 11-JUL-2014 10:21

Client ID: DFTPP02

Instrument: goms-u.i

Sample Info: WG146330-1,WE53-7

Operator: JCG

Column phase: RTX-5SILMS

Column diameter: 0.25

Data File: UD173.D

Spectrum: Avg. Scans 137-139 (7.51), Background Scan 133

Location of Maximum: 198.00

Number of points: 167

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	445	117.00	7162	181.00	917	256.00	7337
39.00	3022	118.00	424	185.00	1310	257.00	237
40.00	167	122.00	591	186.00	11621	258.00	2480
50.00	9595	123.00	878	187.00	3352	259.00	196
51.00	39584	124.00	498	188.00	170	265.00	1051
52.00	1779	125.00	660	189.00	639	273.00	1391
56.00	1132	127.00	42952	192.00	964	274.00	3726
57.00	2559	128.00	3059	193.00	818	275.00	21040
61.00	393	129.00	16688	196.00	2330	276.00	2793
62.00	453	130.00	1286	198.00	91560	277.00	1601
63.00	1550	134.00	192	199.00	6289	285.00	170
65.00	759	135.00	1195	200.00	405	293.00	188
68.00	265	136.00	582	201.00	170	296.00	5550
69.00	37336	137.00	538	203.00	440	297.00	707
74.00	3050	141.00	1785	204.00	2783	303.00	656
75.00	5393	142.00	619	205.00	4822	314.00	183
76.00	1783	143.00	391	206.00	20672	315.00	485
77.00	40456	146.00	393	207.00	2673	316.00	426
78.00	2317	147.00	882	208.00	588	323.00	2055
79.00	2060	148.00	1884	209.00	172	324.00	183
80.00	1754	149.00	493	210.00	177	327.00	191
81.00	2544	153.00	353	211.00	693	334.00	1440
82.00	686	154.00	190	217.00	4895	335.00	432
83.00	628	155.00	879	218.00	658	346.00	207
85.00	503	156.00	1536	221.00	4648	352.00	556
86.00	718	157.00	419	222.00	327	353.00	248
87.00	223	158.00	198	223.00	996	354.00	394
91.00	563	160.00	518	224.00	10549	365.00	2316
92.00	487	161.00	750	225.00	3026	366.00	201
93.00	3570	162.00	177	227.00	4483	372.00	1187
98.00	2560	165.00	512	228.00	514	383.00	167
99.00	1934	166.00	506	229.00	808	402.00	217
101.00	1557	167.00	3509	231.00	227	403.00	576
103.00	582	168.00	1497	235.00	171	421.00	537
104.00	1064	172.00	173	237.00	212	422.00	441

Data File: \\target_server\gg\chem\gcms-u.i\U071114,b\UD173.D

Date : 11-JUL-2014 10:21

Client ID: DFTPP02

Instrument: gcms-u.i

Sample Info: WG146330-1,WE53-7

Operator: JCG

Column phase: RTX-5SILMS

Column diameter: 0.25

Data File: UD173.D

Spectrum: Avg. Scans 137-139 (7.51), Background Scan 133

Location of Maximum: 198.00

Number of points: 167

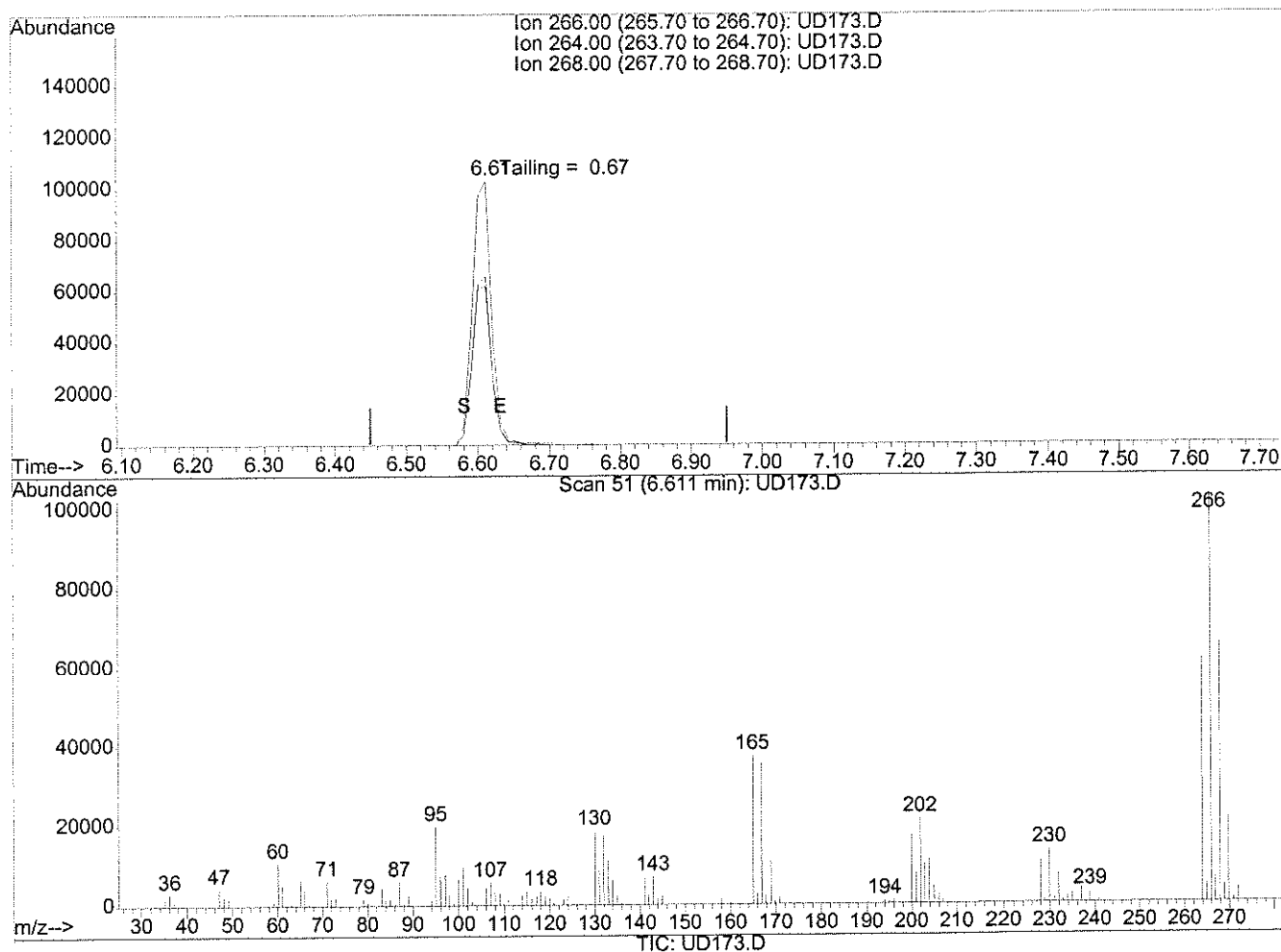
m/z	Y	m/z	Y	m/z	Y	m/z	Y
105.00	839	173.00	373	242.00	416	423.00	4106
107.00	12714	174.00	741	243.00	489	424.00	529
108.00	1805	175.00	1517	244.00	8345	441.00	13063
110.00	24848	176.00	684	245.00	1011	442.00	79040
111.00	3655	177.00	675	246.00	1822	443.00	14957
112.00	384	179.00	2909	249.00	173	444.00	1648
116.00	554	180.00	1907	255.00	47568		

Quantitation Report

Data File : C:\HPCHEM\1\DATA\U071114\UD173.D
 Acq On : 11 Jul 2014 10:21 am
 Sample : WG146330-1
 Misc : WG146330, WG146330, WG145897-4
 Quantitation Parameters: 3 SE 20 P 4

Vial: 1
 Operator: JCG
 Inst : GC/MS Ins
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TUNETAIL.M (RTE Integrator)
 Title : Katahdin 8270C Water Calibration
 Last Update : Wed Jun 18 10:37:38 2014
 Response via : Multiple Level Calibration



(1) Pentachlorophenol (CM)

6.61min 86.31ug/L

response 190843

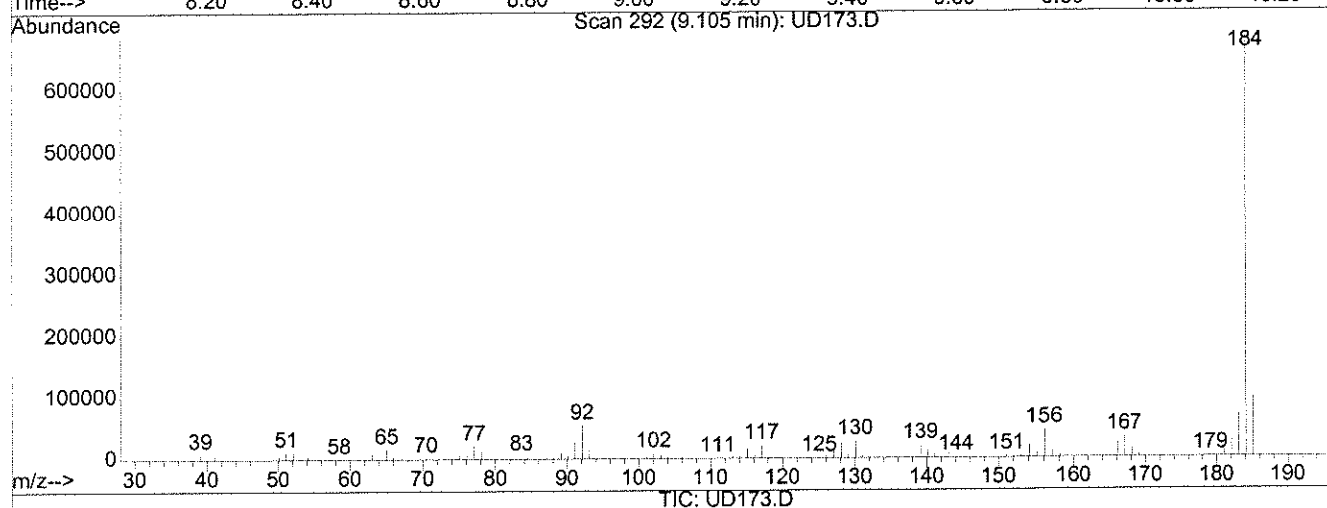
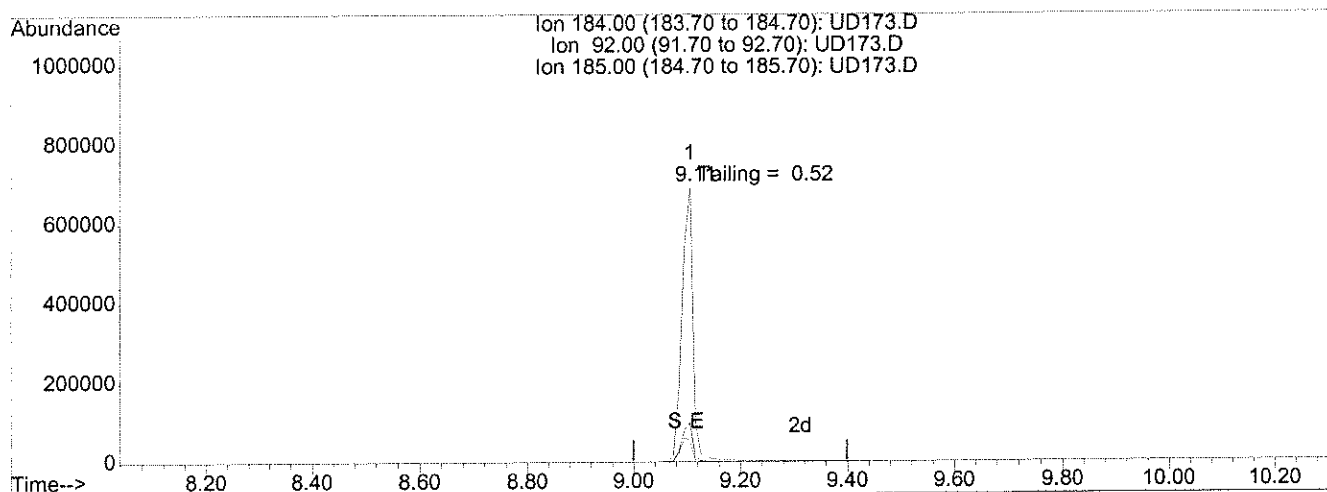
Ion	Exp%	Act%
266.00	100	100
264.00	62.00	60.87
268.00	63.50	63.31
0.00	0.00	0.00

Quantitation Report

Data File : C:\HPCHEM\1\DATA\U071114\UD173.D
 Acq On : 11 Jul 2014 10:21 am
 Sample : WG146330-1
 Misc : WG146330, WG146330, WG145897-4
 Quantitation Parameters: 3 SE 20 P4

Vial: 1
 Operator: JCG
 Inst : GC/MS Ins
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TUNETAIL.M (RTE Integrator)
 Title : Katahdin 8270C Water Calibration
 Last Update : Wed Jun 18 10:37:38 2014
 Response via : Multiple Level Calibration



(2) Benzidine (T)

9.11min 224.32ug/L

response 1006334

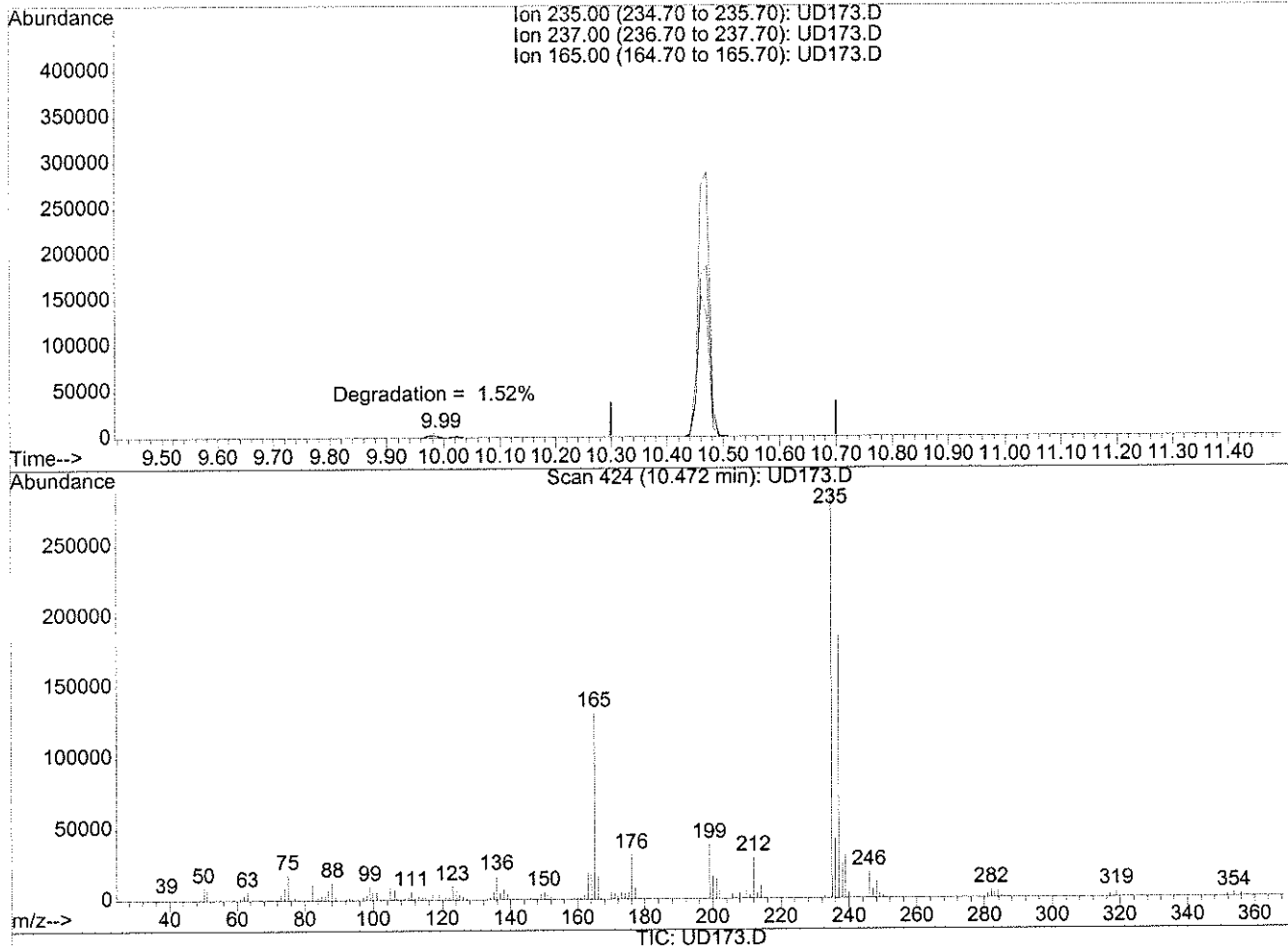
Ion	Exp%	Act%
184.00	100	100
92.00	12.20	9.26
185.00	14.40	14.13
0.00	0.00	0.00

Quantitation Report

Data File : C:\HPCHEM\1\DATA\U071114\UD173.D
 Acq On : 11 Jul 2014 10:21 am
 Sample : WG146330-1
 Misc : WG146330, WG146330, WG145897-4
 Quantitation Parameters: 3 SEP 2014

Vial: 1
 Operator: JCG
 Inst : GC/MS Ins
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TUNETAIL.M (RTE Integrator)
 Title : Katahdin 8270C Water Calibration
 Last Update : Wed Jun 18 10:37:38 2014
 Response via : Multiple Level Calibration



(3) 4,4'-DDT (T)

10.47min 90.97ug/L

response 408106

Ion	Exp%	Act%
235.00	100	100
237.00	50.00	64.20
165.00	50.00	51.40
0.00	0.00	0.00

Data File: \\target_server\gg\chem\goms-u,i\U071214,b\UD174.D

Date : 12-JUL-2014 07:57

Client ID: DFTPP02

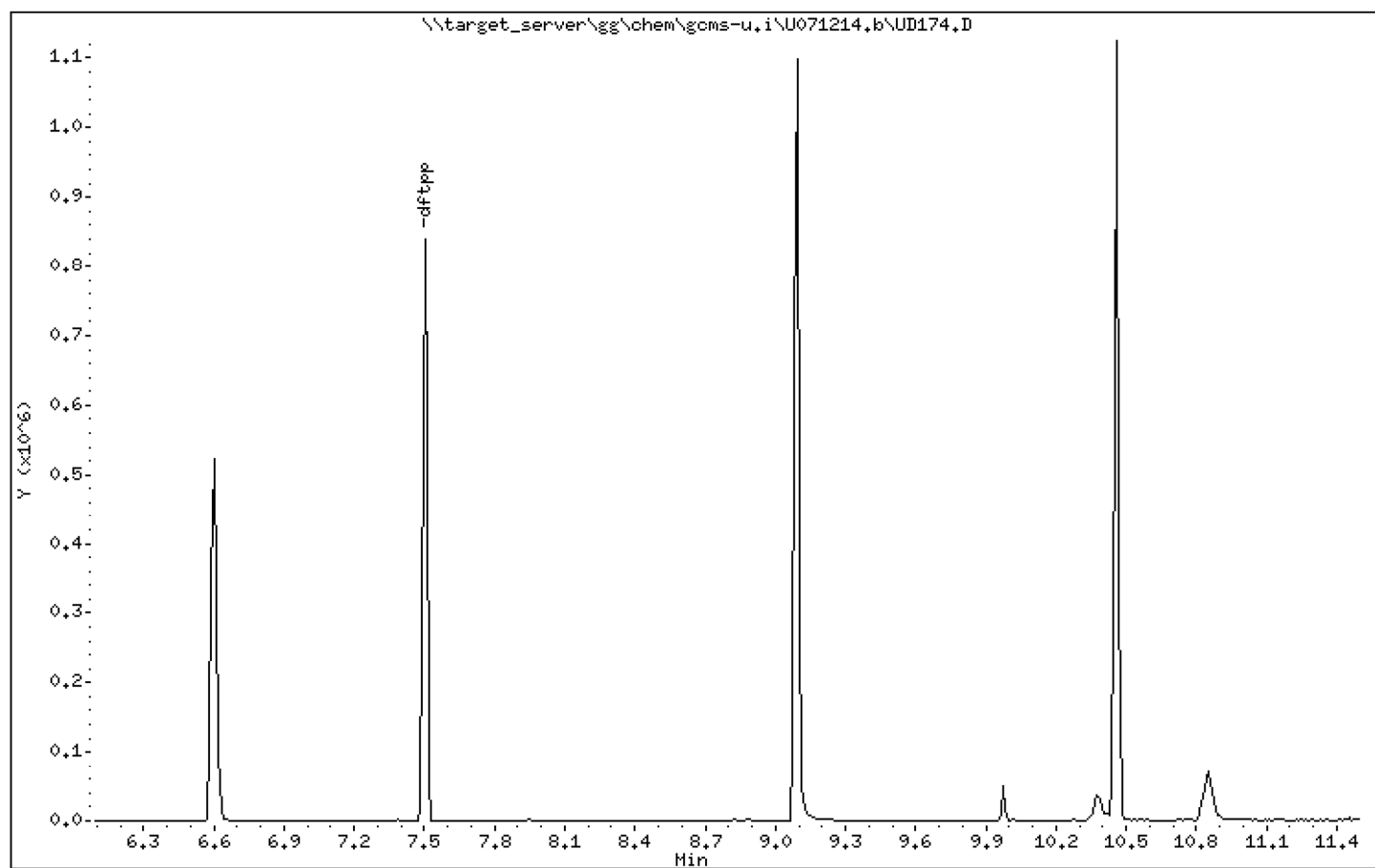
Instrument: goms-u.i

Sample Info: WG146400-1,WE53-7

Operator: JCG

Column phase: RTX-5SILMS

Column diameter: 0.25



Data File: \\target_server\gg\chem\gcms-u.i\U071214.b\UD174.D

Date : 12-JUL-2014 07:57

Client ID: DFTPP02

Instrument: gcms-u.i

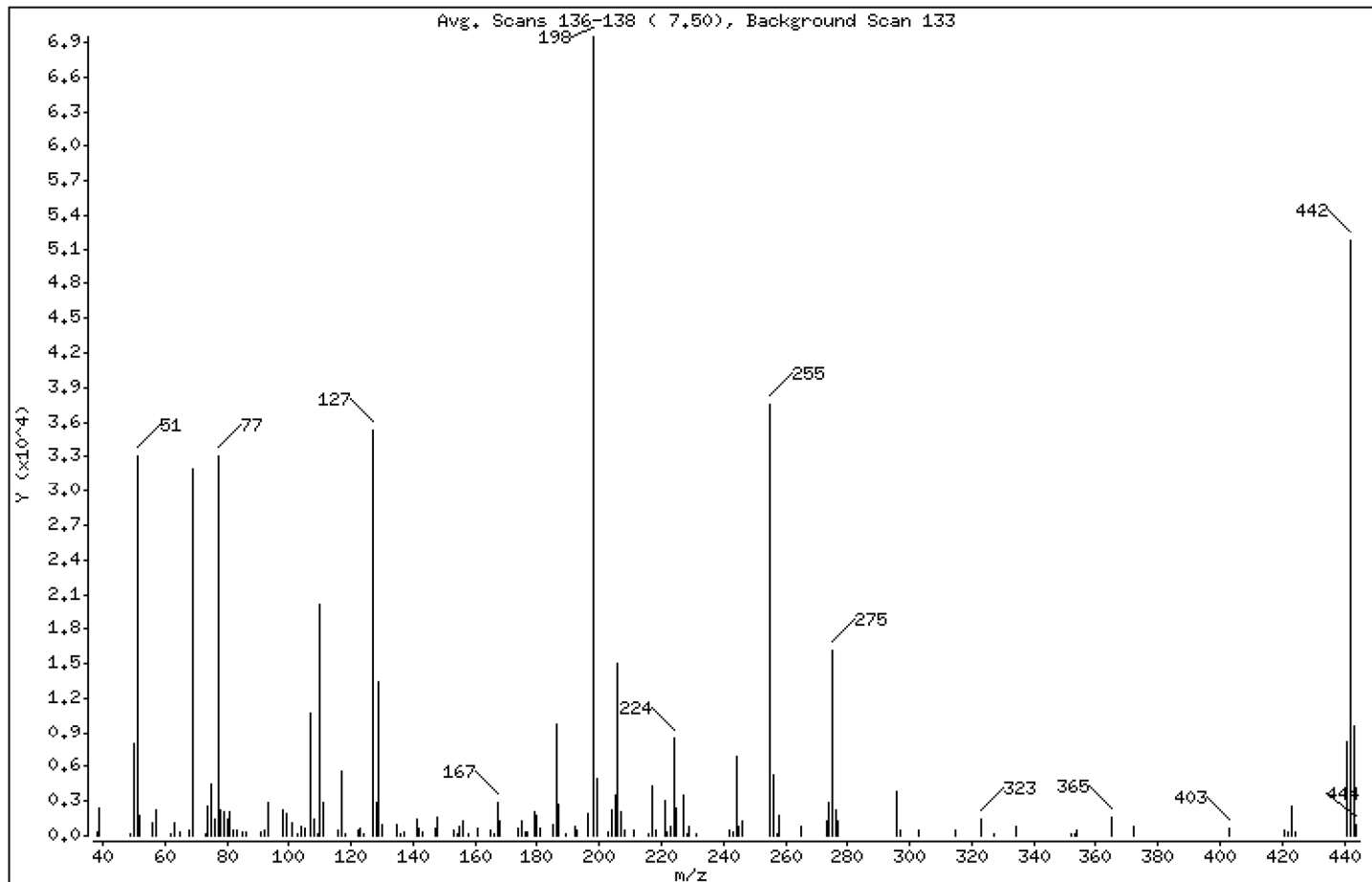
Sample Info: WG146400-1,WE53-7

Operator: JCG

Column phase: RTX-5SILMS

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	47.56
68	Less than 2.00% of mass 69	0.61 (1.33)
69	Less than 100.00% of mass 198	46.02
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	50.88
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.05
275	10.00 - 30.00% of mass 198	23.17
365	1.00 - 100.00% of mass 198	2.32
441	0.01 - 100.00% of mass 443	11.82 (85.17)
442	40.00 - 100.00% of mass 198	74.48
443	17.00 - 23.00% of mass 442	13.88 (18.63)

Data File: \\target_server\gg\chen\goms-u.i\U071214,b\UD174.D

Date : 12-JUL-2014 07:57

Client ID: DFTPP02

Instrument: goms-u.i

Sample Info: WG146400-1,WE53-7

Operator: JCG

Column phase: RTX-5SILMS

Column diameter: 0.25

Data File: UD174.D

Spectrum: Avg. Scans 136-138 (7.50), Background Scan 133

Location of Maximum: 198.00

Number of points: 139

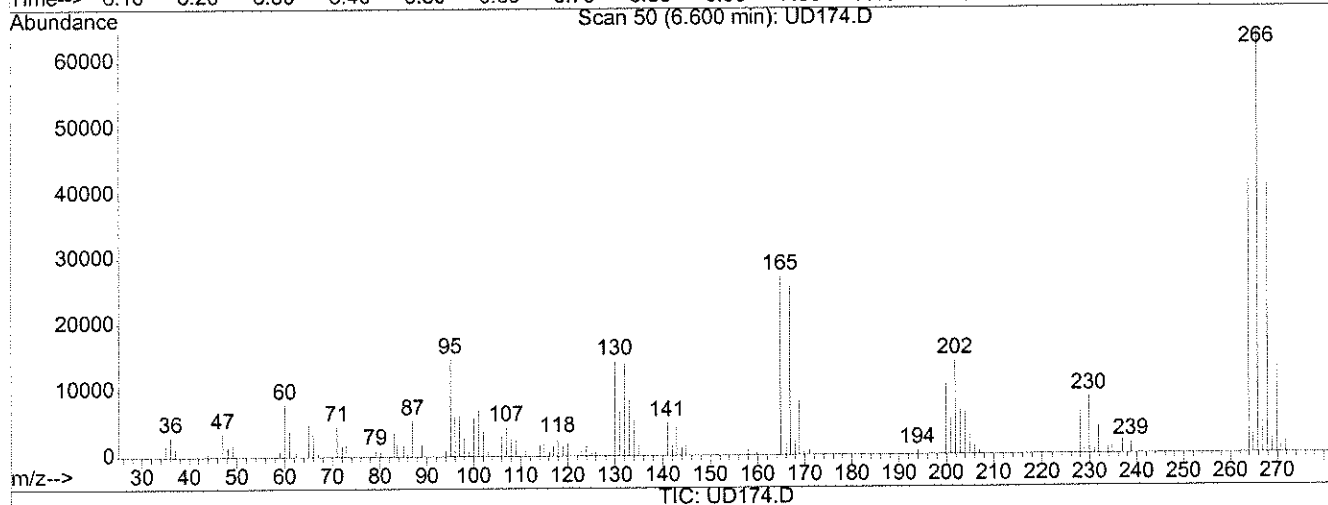
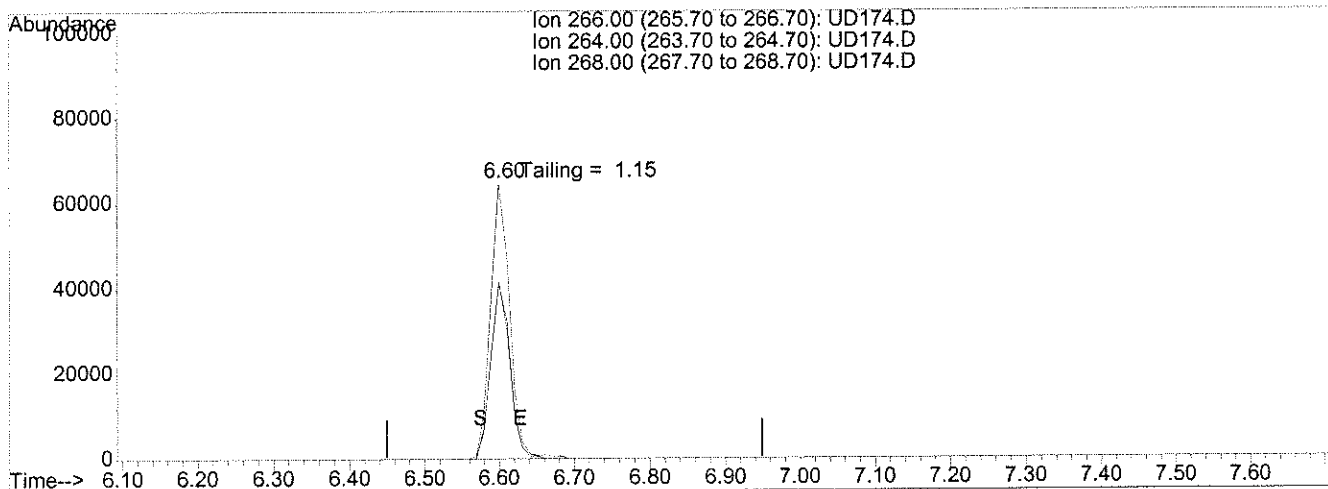
m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	242	107.00	10765	176.00	260	244.00	6943
39.00	2352	108.00	1455	177.00	357	245.00	729
49.00	170	109.00	192	179.00	2066	246.00	1273
50.00	8049	110.00	20112	180.00	1751	255.00	37512
51.00	33048	111.00	2871	181.00	574	256.00	5349
52.00	1830	116.00	419	185.00	892	257.00	179
56.00	1087	117.00	5590	186.00	9664	258.00	1747
57.00	2261	118.00	231	187.00	2670	265.00	738
62.00	209	122.00	439	189.00	226	273.00	1252
63.00	1084	123.00	696	192.00	829	274.00	2866
65.00	306	124.00	209	193.00	522	275.00	16099
68.00	425	127.00	35352	196.00	1858	276.00	2191
69.00	31976	128.00	2840	198.00	69480	277.00	1321
73.00	168	129.00	13476	199.00	4897	296.00	3870
74.00	2614	130.00	1037	203.00	258	297.00	489
75.00	4413	135.00	1028	204.00	2190	303.00	478
76.00	1477	136.00	185	205.00	3538	315.00	409
77.00	33072	137.00	338	206.00	15040	323.00	1507
78.00	2277	141.00	1499	207.00	2152	327.00	181
79.00	2000	142.00	572	208.00	512	334.00	773
80.00	1469	143.00	254	211.00	402	352.00	184
81.00	2103	147.00	702	216.00	207	353.00	209
82.00	431	148.00	1649	217.00	4315	354.00	465
83.00	450	153.00	472	218.00	488	365.00	1609
85.00	259	154.00	220	221.00	3110	372.00	848
86.00	253	155.00	864	222.00	286	403.00	572
91.00	261	156.00	1354	223.00	758	421.00	506
92.00	525	158.00	191	224.00	8462	422.00	250
93.00	2888	161.00	709	225.00	2358	423.00	2509
98.00	2208	165.00	504	227.00	3457	424.00	360
99.00	1908	166.00	228	228.00	171	441.00	8213
101.00	1162	167.00	2805	229.00	749	442.00	51752
103.00	203	168.00	1279	231.00	202	443.00	9643
104.00	735	174.00	595	242.00	431	444.00	1012
105.00	575	175.00	1268	243.00	352		

Quantitation Report

Data File : C:\HPCHEM\1\DATA\U071214\UD174.D
 Acq On : 12 Jul 2014 7:57 am
 Sample : WG146400-1
 Misc : WG146400, WG146400, WG145897-4
 Quantitation Parameters: 18E20P4

Vial: 1
 Operator: JCG
 Inst : GC/MS Ins
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TUNETAIL.M (RTE Integrator)
 Title : Katahdin 8270C Water Calibration
 Last Update : Wed Jun 18 10:37:38 2014
 Response via : Multiple Level Calibration



(1) Pentachlorophenol (CM)

6.60min 52.20ug/L

response 115409

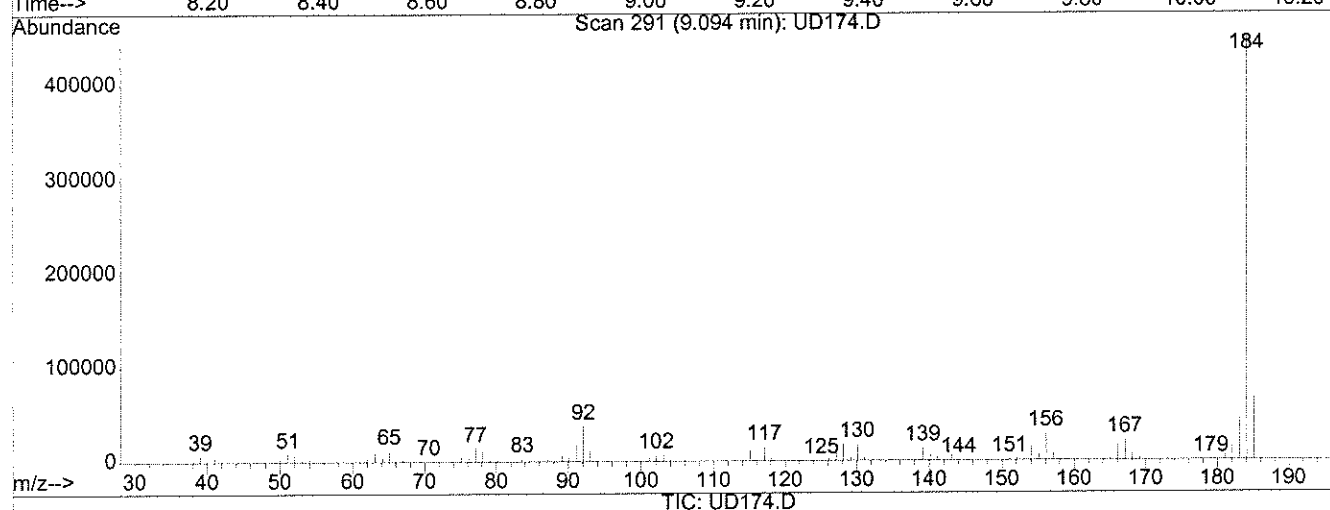
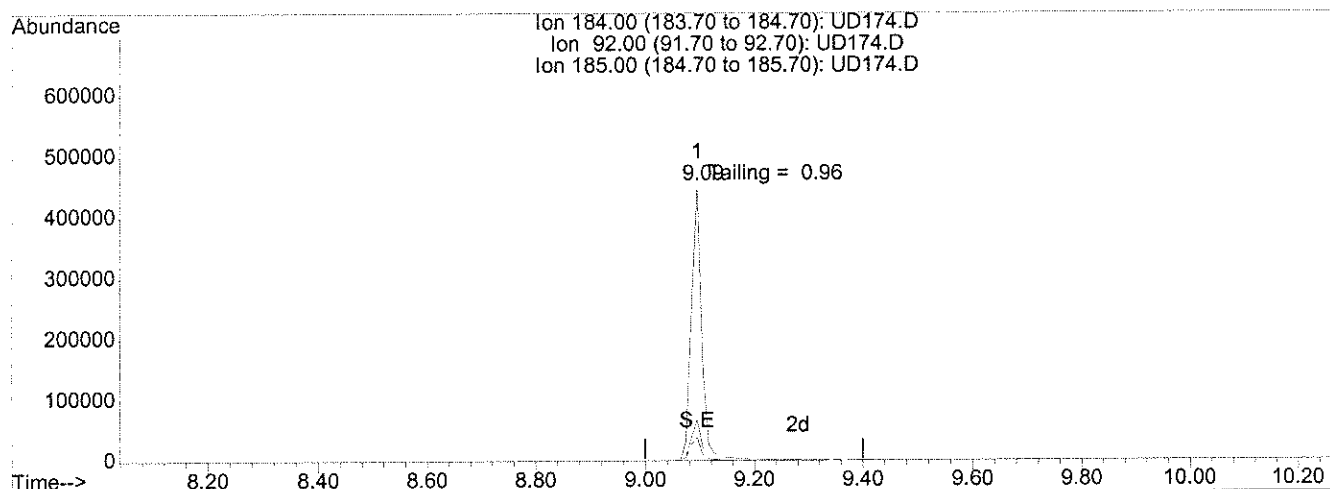
Ion	Exp%	Act%
266.00	100	100
264.00	62.00	63.39
268.00	63.50	64.30
0.00	0.00	0.00

Quantitation Report

Data File : C:\HPCHEM\1\DATA\U071214\UD174.D
 Acq On : 12 Jul 2014 7:57 am
 Sample : WG146400-1
 Misc : WG146400, WG146400, WG145897-4
 Quantitation Parameters: 18E20P4

Vial: 1
 Operator: JCG
 Inst : GC/MS Ins
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TUNETAIL.M (RTE Integrator)
 Title : Katahdin 8270C Water Calibration
 Last Update : Wed Jun 18 10:37:38 2014
 Response via : Multiple Level Calibration



(2) Benzidine (T)

9.09min 134.96ug/L

response 605450

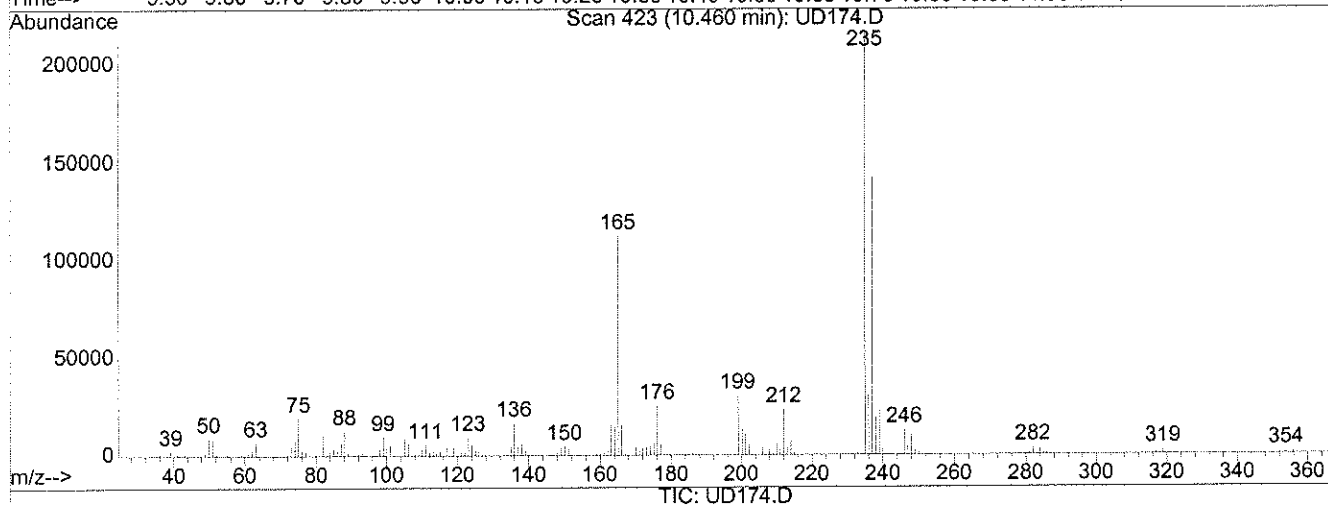
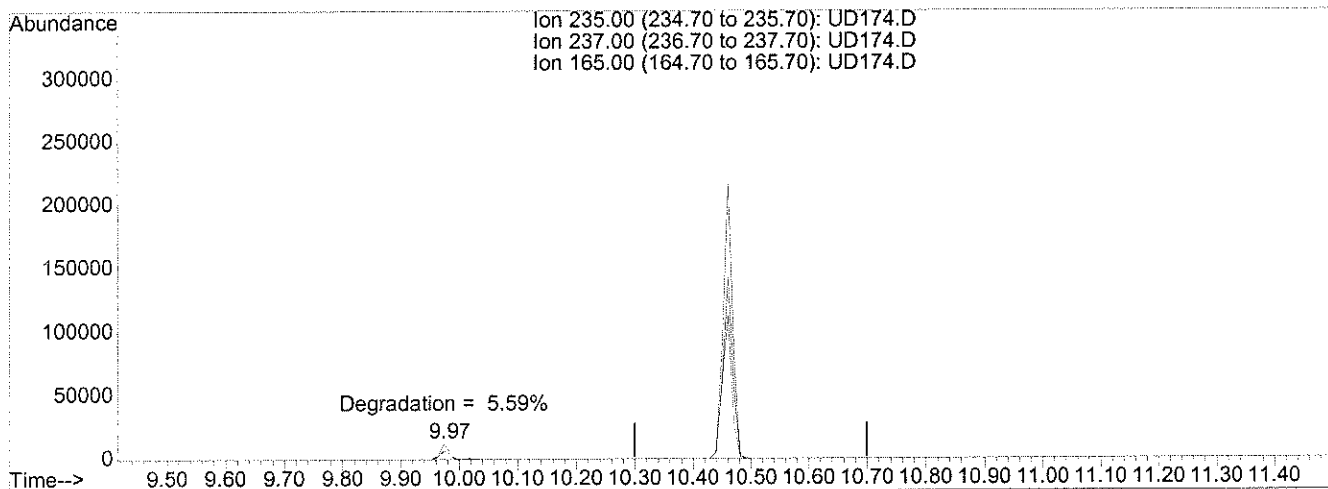
Ion	Exp%	Act%
184.00	100	100
92.00	12.20	8.62
185.00	14.40	14.64
0.00	0.00	0.00

Quantitation Report

Data File : C:\HPCHEM\1\DATA\U071214\UD174.D
 Acq On : 12 Jul 2014 7:57 am
 Sample : WG146400-1
 Misc : WG146400, WG146400, WG145897-4
 Quantitation Parameters: 18E20P4

Vial: 1
 Operator: JCG
 Inst : GC/MS Ins
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TUNETAIL.M (RTE Integrator)
 Title : Katahdin 8270C Water Calibration
 Last Update : Wed Jun 18 10:37:38 2014
 Response via : Multiple Level Calibration



(3) 4,4'-DDT (T)

10.46min 55.03ug/L

response 246894

Ion	Exp%	Act%
235.00	100	100
237.00	50.00	66.76
165.00	50.00	51.93
0.00	0.00	0.00

Data File: \\target_server\gg\chem\goms-u,i\U071414,b\UD175.D

Date : 14-JUL-2014 09:14

Client ID: DFTPP02

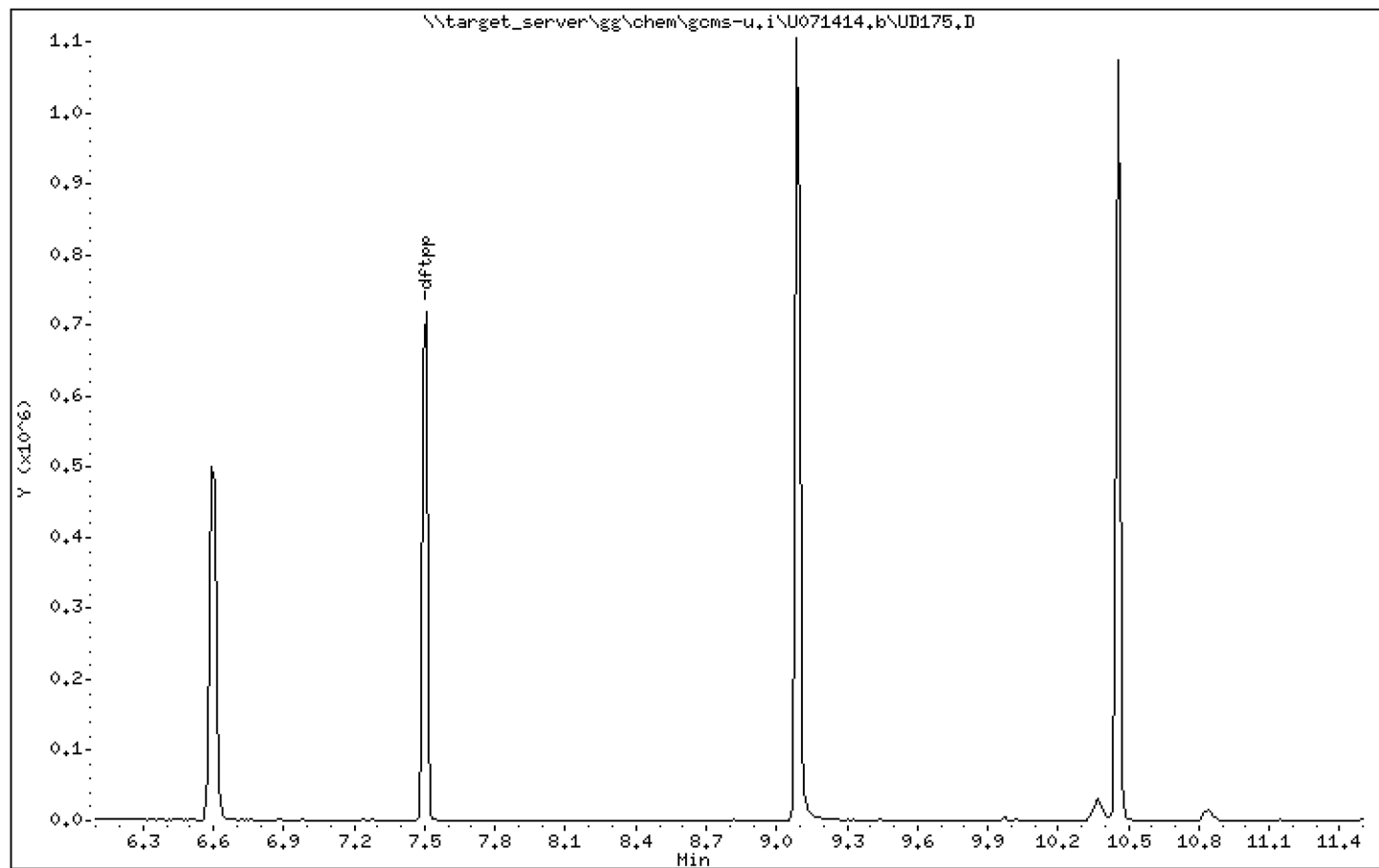
Instrument: goms-u.i

Sample Info: WG146446-1,WE53-7

Operator: JCG

Column phase: RTX-5SILMS

Column diameter: 0.25



Data File: \\target_server\gg\chem\gcms-u.i\U071414.b\UD175.D

Date : 14-JUL-2014 09:14

Client ID: DFTPP02

Instrument: gcms-u.i

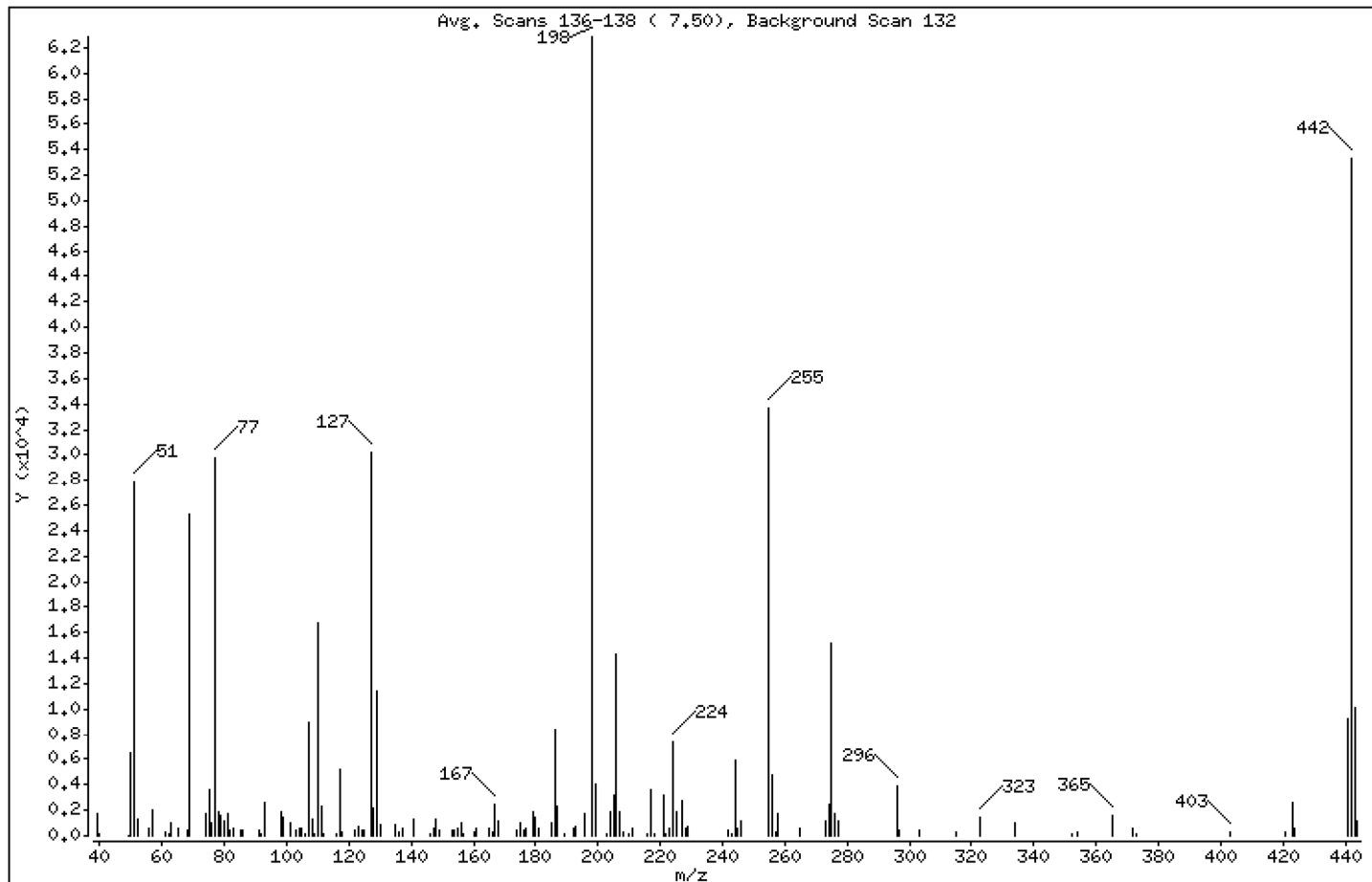
Sample Info: WG146446-1,WE53-7

Operator: JCG

Column phase: RTX-5SILMS

Column diameter: 0.25

1 dftpp



m/e		ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198		Base Peak, 100% relative abundance	100.00
51		30.00 - 60.00% of mass 198	44.42
68		Less than 2.00% of mass 69	0.62 (1.54)
69		Less than 100.00% of mass 198	40.21
70		Less than 2.00% of mass 69	0.00 (0.00)
127		40.00 - 60.00% of mass 198	48.14
197		Less than 1.00% of mass 198	0.00
199		5.00 - 9.00% of mass 198	6.49
275		10.00 - 30.00% of mass 198	24.18
365		1.00 - 100.00% of mass 198	2.61
441		0.01 - 100.00% of mass 443	14.67 (91.77)
442		40.00 - 100.00% of mass 198	84.76
443		17.00 - 23.00% of mass 442	15.99 (18.86)

Data File: \\target_server\gg\chen\goms-u.i\U071414,b\UD175.D

Date : 14-JUL-2014 09:14

Client ID: DFTPP02

Instrument: goms-u.i

Sample Info: WG146446-1,WE53-7

Operator: JCG

Column phase: RTX-5SILMS

Column diameter: 0.25

Data File: UD175.D

Spectrum: Avg. Scans 136-138 (7.50), Background Scan 132

Location of Maximum: 198.00

Number of points: 141

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	1762	107.00	8954	174.00	432	243.00	201
40.00	200	108.00	1286	175.00	1062	244.00	5875
49.00	40	109.00	184	176.00	372	245.00	611
50.00	6534	110.00	16768	177.00	596	246.00	1124
51.00	27920	111.00	2303	179.00	1879	255.00	33600
52.00	1370	112.00	205	180.00	1383	256.00	4739
56.00	633	116.00	216	181.00	589	257.00	233
57.00	2002	117.00	5135	185.00	980	258.00	1683
61.00	252	118.00	245	186.00	8414	265.00	622
62.00	175	122.00	403	187.00	2271	273.00	1103
63.00	948	123.00	677	189.00	204	274.00	2510
65.00	544	124.00	422	192.00	534	275.00	15197
68.00	388	125.00	368	193.00	710	276.00	1725
69.00	25272	127.00	30256	196.00	1680	277.00	1161
74.00	1779	128.00	2201	198.00	62848	296.00	3951
75.00	3605	129.00	11454	199.00	4078	297.00	466
76.00	1071	130.00	885	203.00	185	303.00	447
77.00	29744	135.00	832	204.00	1865	315.00	262
78.00	1836	136.00	222	205.00	3166	323.00	1468
79.00	1533	137.00	558	206.00	14284	334.00	945
80.00	1135	141.00	1353	207.00	1892	352.00	191
81.00	1772	146.00	210	208.00	223	354.00	322
82.00	460	147.00	575	210.00	180	365.00	1641
83.00	531	148.00	1314	211.00	517	372.00	643
85.00	433	149.00	404	216.00	191	373.00	199
86.00	472	153.00	417	217.00	3578	403.00	226
91.00	439	154.00	396	218.00	212	421.00	262
92.00	168	155.00	596	221.00	3193	423.00	2604
93.00	2650	156.00	1016	222.00	208	424.00	597
98.00	1852	157.00	199	223.00	510	441.00	9221
99.00	1460	160.00	282	224.00	7402	442.00	53272
101.00	1063	161.00	631	225.00	1906	443.00	10048
103.00	362	165.00	570	227.00	2758	444.00	1126
104.00	568	166.00	243	228.00	511		
105.00	545	167.00	2458	229.00	675		

Data File: \\target_server\gg\chen\gcms-u.i\U071414.b\UD175.D

Date : 14-JUL-2014 09:14

Client ID: DFTPP02

Instrument: gcms-u.i

Sample Info: WG146446-1,WE53-7

Operator: JCG

Column phase: RTX-5SILMS

Column diameter: 0.25

Data File: UD175.D

Spectrum: Avg. Scans 136-138 (7.50), Background Scan 132

Location of Maximum: 198.00

Number of points: 141

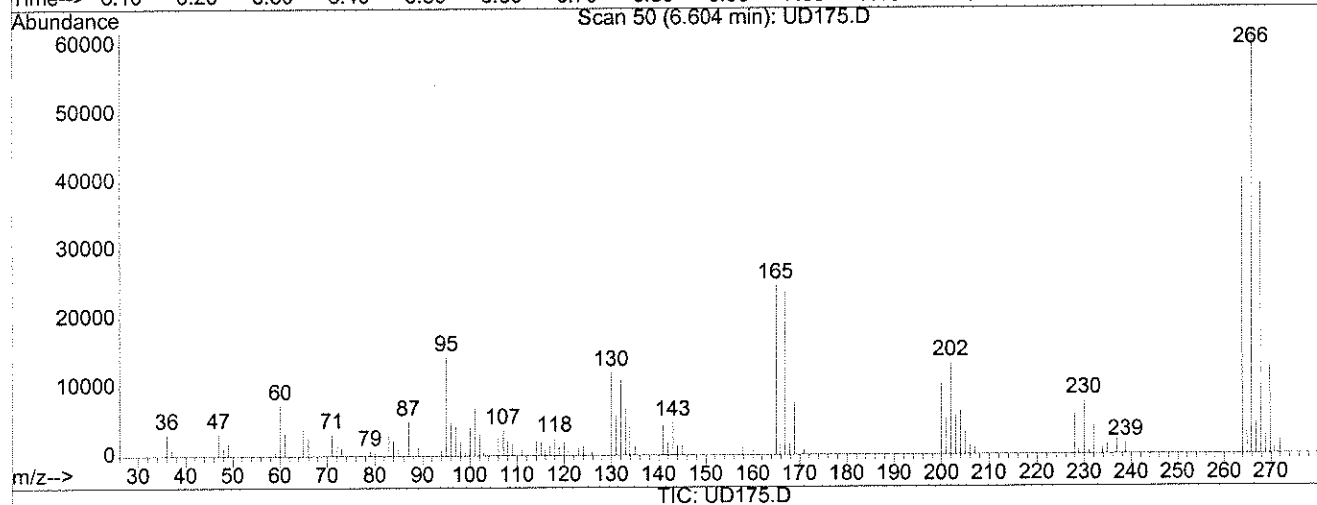
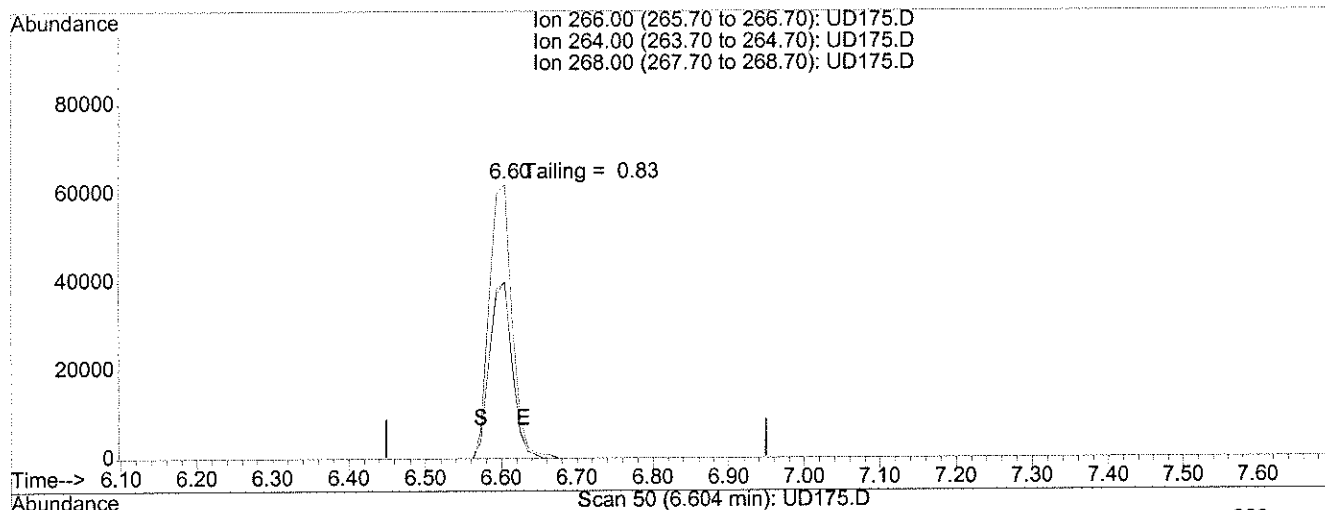
m/z	Y	m/z	Y	m/z	Y	m/z	Y
106.00	197	168.00	1138	242.00	490		

Quantitation Report

Data File : C:\HPCHEM\1\DATA\U071414\UD175.D
 Acq On : 14 Jul 2014 9:14 am
 Sample : WG146446-1
 Misc : WG146446, WG146446, WG145897-4
 Quantitation Parameters: 38E20P4

Vial: 1
 Operator: JCG
 Inst : GC/MS Ins
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TUNETAILE.M (RTE Integrator)
 Title : Katahdin 8270C Water Calibration
 Last Update : Wed Jun 18 10:37:38 2014
 Response via : Multiple Level Calibration



(1) Pentachlorophenol (CM)

6.60min 58.52ug/L

response 129394

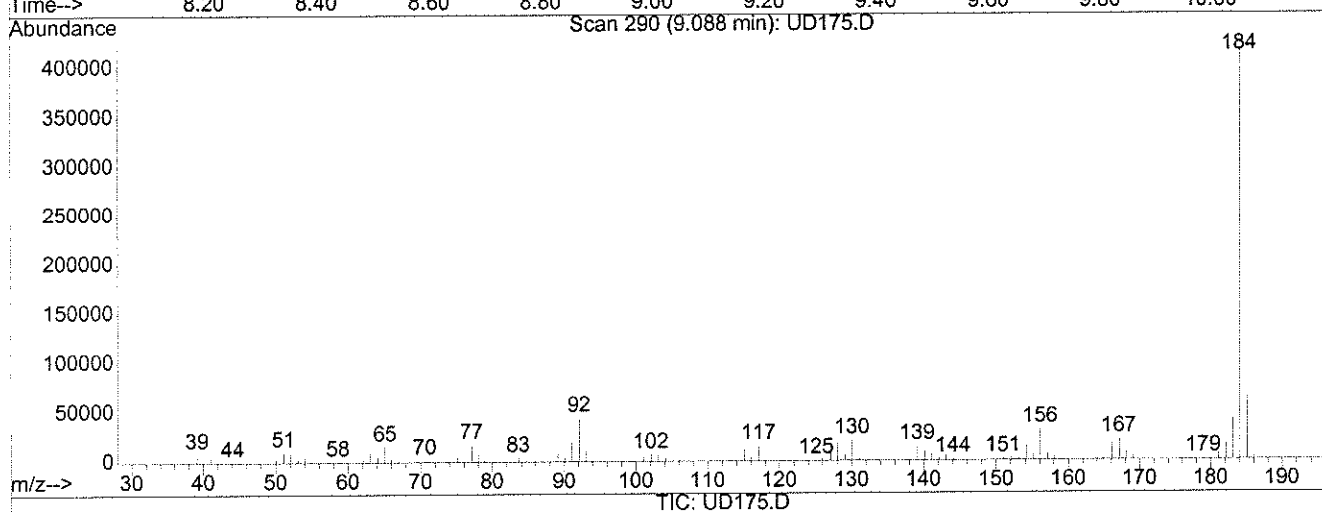
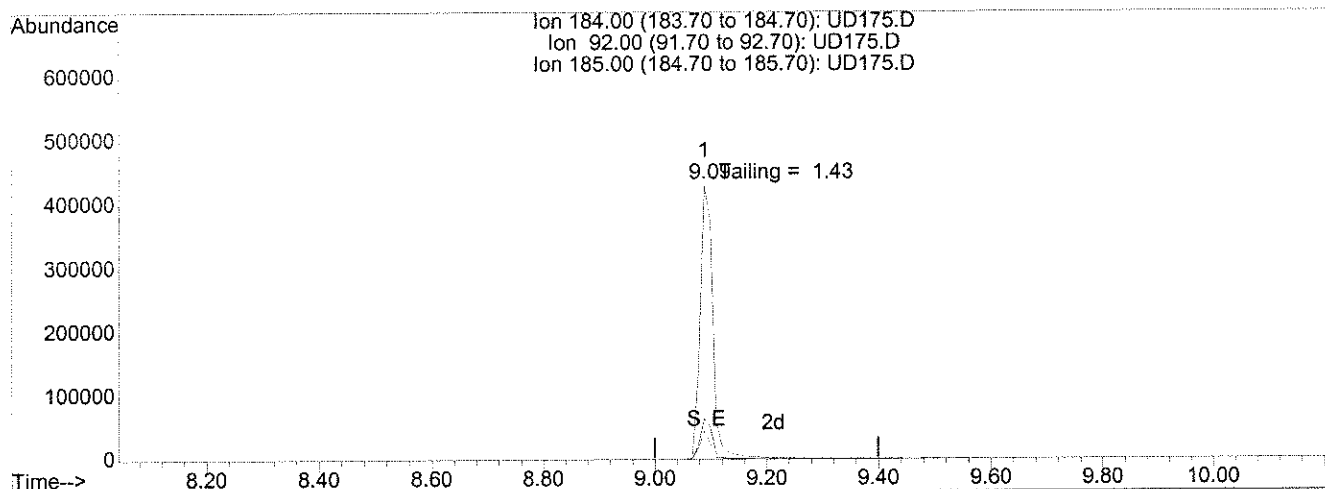
Ion	Exp%	Act%
266.00	100	100
264.00	62.00	63.33
268.00	63.50	64.24
0.00	0.00	0.00

Quantitation Report

Data File : C:\HPCHEM\1\DATA\U071414\UD175.D
 Acq On : 14 Jul 2014 9:14 am
 Sample : WG146446-1
 Misc : WG146446, WG146446, WG145897-4
 Quantitation Parameters: 38E20P4

Vial: 1
 Operator: JCG
 Inst : GC/MS Ins
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TUNETAILE.M (RTE Integrator)
 Title : Katahdin 8270C Water Calibration
 Last Update : Wed Jun 18 10:37:38 2014
 Response via : Multiple Level Calibration



(2) Benzidine (T)

9.09min 149.37ug/L

response 670086

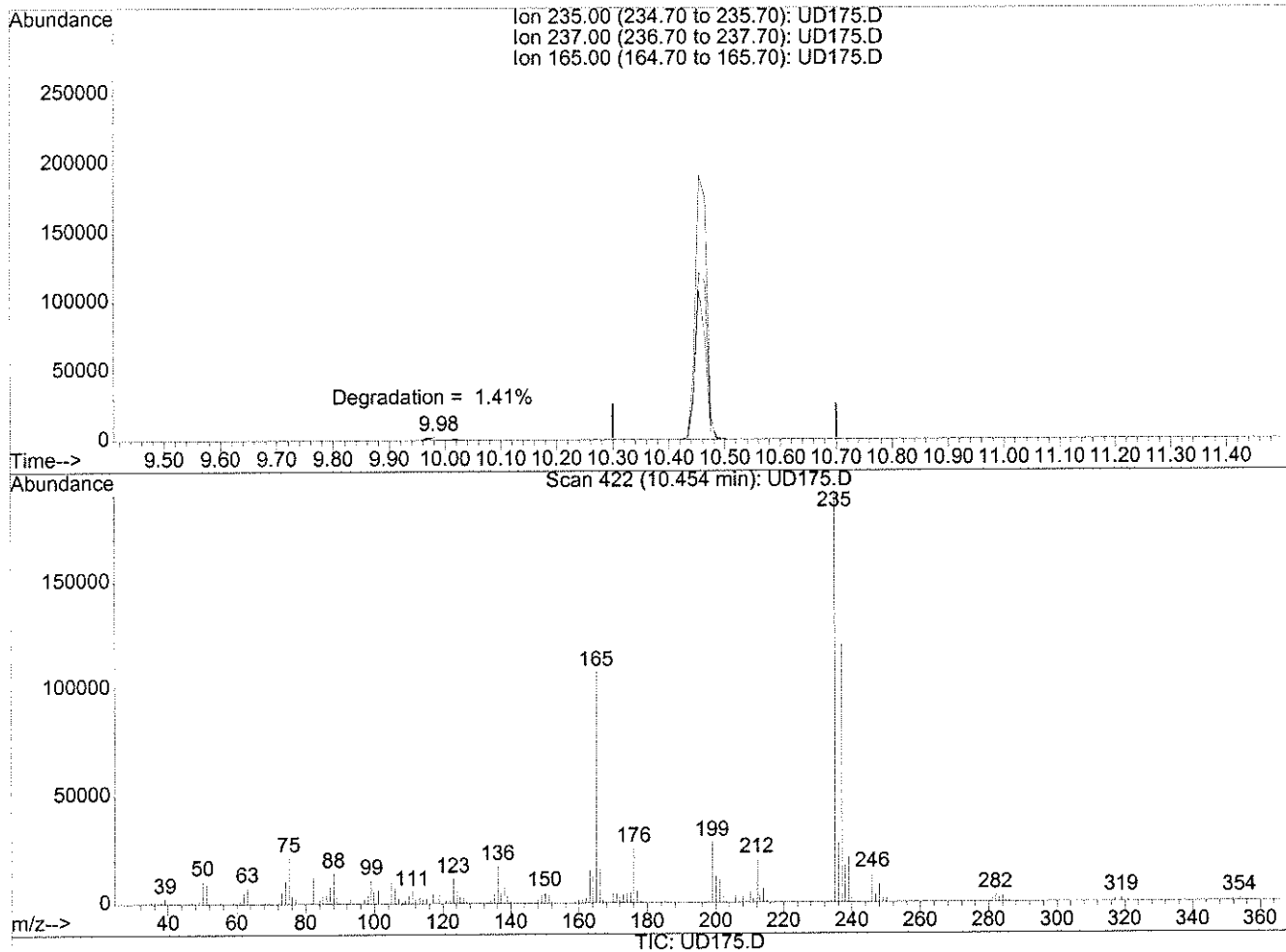
Ion	Exp%	Act%
184.00	100	100
92.00	12.20	8.88
185.00	14.40	14.48
0.00	0.00	0.00

Quantitation Report

Data File : C:\HPCHEM\1\DATA\U071414\UD175.D
 Acq On : 14 Jul 2014 9:14 am
 Sample : WG146446-1
 Misc : WG146446, WG146446, WG145897-4
 Quantitation Parameters: 3 SEP 2014

Vial: 1
 Operator: JCG
 Inst : GC/MS Ins
 Multiplr: 1.00
 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TUNETAAIL.M (RTE Integrator)
 Title : Katahdin 8270C Water Calibration
 Last Update : Wed Jun 18 10:37:38 2014
 Response via : Multiple Level Calibration



(3) 4,4'-DDT (T)

10.45min 59.60ug/L

response 267379

Ion	Exp%	Act%
235.00	100	100
237.00	50.00	63.75
165.00	50.00	50.54
0.00	0.00	0.00

Raw QC Data Section

Report of Analytical Results

Client:
Lab ID: WG145380-1
Client ID: Method Blank Sample
Project:
SDG: WE53-7
Lab File ID: U6209.D

Sample Date:
Received Date:
Extract Date: 25-JUN-14
Extracted By: AM
Extraction Method: SW846 3510
Lab Prep Batch: WG145380

Analysis Date: 30-JUN-14
Analyst: JCG
Analysis Method: SW846 8270D
Matrix: AQ
% Solids: NA
Report Date: 16-JUL-14

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Phenol	U	7.5	ug/L	1	10	10.	1.8	7.5
2-Methylphenol	U	7.5	ug/L	1	10	10.	3.8	7.5
Isophorone	U	7.5	ug/L	1	10	10.	1.7	7.5
2-Nitrophenol	U	7.5	ug/L	1	10	10.	2.7	7.5
2,4-Dimethylphenol	U	7.5	ug/L	1	10	10.	4.4	7.5
4-Chloro-3-Methylphenol	U	7.5	ug/L	1	10	10.	3.6	7.5
2,4,5-Trichlorophenol	U	19	ug/L	1	25	25.	3.6	19.
2-Chloronaphthalene	U	7.5	ug/L	1	10	10.	2.9	7.5
Dimethyl Phthalate	U	7.5	ug/L	1	10	10.	2.0	7.5
Diethylphthalate	U	7.5	ug/L	1	10	10.	2.0	7.5
N-Nitrosodiphenylamine	U	7.5	ug/L	1	10	10.	3.7	7.5
Carbazole	U	7.5	ug/L	1	10	10.	2.1	7.5
Di-N-Butylphthalate	U	7.5	ug/L	1	10	10.	2.5	7.5
Butylbenzylphthalate	U	7.5	ug/L	1	10	10.	1.9	7.5
Di-N-Octylphthalate	U	7.5	ug/L	1	10	10.	1.8	7.5
Acetophenone	U	7.5	ug/L	1	10	10.	3.9	7.5
Caprolactam	U	7.5	ug/L	1	10	10.	0.40	7.5
Benzaldehyde	U	7.5	ug/L	1	10	10.	1.0	7.5
2,3,4,6-Tetrachlorophenol	U	7.5	ug/L	1	10	10.	2.7	7.5
4-Bromophenyl-Phenylether	U	7.5	ug/L	1	10	10.	1.9	7.5
4-Chlorophenyl-Phenylether	U	7.5	ug/L	1	10	10.	2.2	7.5
4-Nitrophenol	U	19	ug/L	1	25	25.	1.8	19.
Acenaphthene	U	7.5	ug/L	1	10	10.	1.5	7.5
Acenaphthylene	U	7.5	ug/L	1	10	10.	1.5	7.5
Anthracene	U	7.5	ug/L	1	10	10.	1.7	7.5
Fluorene	U	7.5	ug/L	1	10	10.	2.1	7.5
Fluoranthene	U	7.5	ug/L	1	10	10.	2.4	7.5
Benzo(g,h,i)perylene	U	7.5	ug/L	1	10	10.	1.5	7.5
Benzo(k)fluoranthene	U	7.5	ug/L	1	10	10.	1.6	7.5
Bis(2-Chloroethoxy)Methane	U	7.5	ug/L	1	10	10.	2.1	7.5
2-Fluorophenol		42.7	%					
Phenol-D6		27.9	%					
Nitrobenzene-d5		66.0	%					
2-Fluorobiphenyl		69.2	%					

Report of Analytical Results

Client:
Lab ID: WG145380-1
Client ID: Method Blank Sample
Project:
SDG: WE53-7
Lab File ID: U6209.D

Sample Date:
Received Date:
Extract Date: 25-JUN-14
Extracted By: AM
Extraction Method: SW846 3510
Lab Prep Batch: WG145380

Analysis Date: 30-JUN-14
Analyst: JCG
Analysis Method: SW846 8270D
Matrix: AQ
% Solids: NA
Report Date: 16-JUL-14

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
2,4,6-Tribromophenol		84.2	%					
Terphenyl-d14		79.5	%					

Report of Analytical Results

Client:
Lab ID: WG145380-1
Client ID: Method Blank Sample
Project:
SDG: WE53-7
Lab File ID: U6209.D

Sample Date:
Received Date:
Extract Date: 25-JUN-14
Extracted By: AM
Extraction Method: SW846 3510
Lab Prep Batch: WG145380

Analysis Date: 30-JUN-14
Analyst: JCG
Analysis Method: SW846 8270D
Matrix: AQ
% Solids: NA
Report Date: 16-JUL-14

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
2-Nitrophenol	U	7.5	ug/L	1	10	10.	2.7	7.5
2,4-Dimethylphenol	U	7.5	ug/L	1	10	10.	4.4	7.5
Bis(2-Chloroethoxy)Methane	U	7.5	ug/L	1	10	10.	2.1	7.5
2,4-Dichlorophenol	U	7.5	ug/L	1	10	10.	3.0	7.5
Caprolactam	U	7.5	ug/L	1	10	10.	0.40	7.5
4-Chloro-3-Methylphenol	U	7.5	ug/L	1	10	10.	3.6	7.5
2-Methylnaphthalene	U	7.5	ug/L	1	10	10.	3.2	7.5
2,4,5-Trichlorophenol	U	19	ug/L	1	25	25.	3.6	19.
2-Nitroaniline	U	19	ug/L	1	25	25.	1.8	19.
Dimethyl Phthalate	U	7.5	ug/L	1	10	10.	2.0	7.5
3-Nitroaniline	U	19	ug/L	1	25	25.	1.5	19.
4-Nitrophenol	U	19	ug/L	1	25	25.	1.8	19.
Dibenzofuran	U	7.5	ug/L	1	10	10.	1.6	7.5
Diethylphthalate	U	7.5	ug/L	1	10	10.	2.0	7.5
4-Chlorophenyl-Phenylether	U	7.5	ug/L	1	10	10.	2.2	7.5
4-Bromophenyl-Phenylether	U	7.5	ug/L	1	10	10.	1.9	7.5
Carbazole	U	7.5	ug/L	1	10	10.	2.1	7.5
Bis(2-Ethylhexyl)Phthalate	U	7.5	ug/L	1	10	10.	1.8	7.5
Di-N-Octylphthalate	U	7.5	ug/L	1	10	10.	1.8	7.5
Acenaphthylene	U	7.5	ug/L	1	10	10.	1.5	7.5
Anthracene	U	7.5	ug/L	1	10	10.	1.7	7.5
Benzaldehyde	U	7.5	ug/L	1	10	10.	1.0	7.5
Benzo(g,h,i)perylene	U	7.5	ug/L	1	10	10.	1.5	7.5
Benzo(k)fluoranthene	U	7.5	ug/L	1	10	10.	1.6	7.5
Chrysene	U	7.5	ug/L	1	10	10.	1.7	7.5
Dibenzo(a,h)anthracene	U	7.5	ug/L	1	10	10.	1.7	7.5
Fluoranthene	U	7.5	ug/L	1	10	10.	2.4	7.5
Fluorene	U	7.5	ug/L	1	10	10.	2.1	7.5
Hexachlorocyclopentadiene	U	7.5	ug/L	1	10	10.	1.2	7.5
Phenanthrene	U	7.5	ug/L	1	10	10.	2.4	7.5
Phenol	U	7.5	ug/L	1	10	10.	1.8	7.5
Pyrene	U	7.5	ug/L	1	10	10.	1.9	7.5
Isophorone	U	7.5	ug/L	1	10	10.	1.7	7.5
2-Fluorophenol		42.7	%					

Report of Analytical Results

Client:
Lab ID: WG145380-1
Client ID: Method Blank Sample
Project:
SDG: WE53-7
Lab File ID: U6209.D

Sample Date:
Received Date:
Extract Date: 25-JUN-14
Extracted By: AM
Extraction Method: SW846 3510
Lab Prep Batch: WG145380

Analysis Date: 30-JUN-14
Analyst: JCG
Analysis Method: SW846 8270D
Matrix: AQ
% Solids: NA
Report Date: 16-JUL-14

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Phenol-d6		27.9	%					
Nitrobenzene-d5		66.0	%					
2-Fluorobiphenyl		69.2	%					
2,4,6-Tribromophenol		84.2	%					
Terphenyl-d14		79.5	%					

Data File: \\target_server\gg\chem\gcms-u.i\U063014B.b\U6209.D
 Report Date: 15-Jul-2014 15:27

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-u.i\U063014B.b\U6209.D
 Lab Smp Id: WG145380-1 Client Smp ID: WG145380-Blank
 Inj Date : 30-JUN-2014 17:00 MS Autotune Date: 26-OCT-2013 10:51
 Operator : JCG Inst ID: gcms-u.i
 Smp Info : WG145380-1,WE53-7
 Misc Info : WG145703,WG145380,WG145667-4,SH4521-8
 Comment :
 Method : \\target_server\gg\chem\gcms-u.i\U063014B.b\U8270C59.m
 Meth Date : 15-Jul-2014 15:23 gcms-u.i Quant Type: ISTD
 Cal Date : 30-JUN-2014 13:49 Cal File: U6205.D
 Als bottle: 4 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all_DOD.sub
 Target Version: 4.12

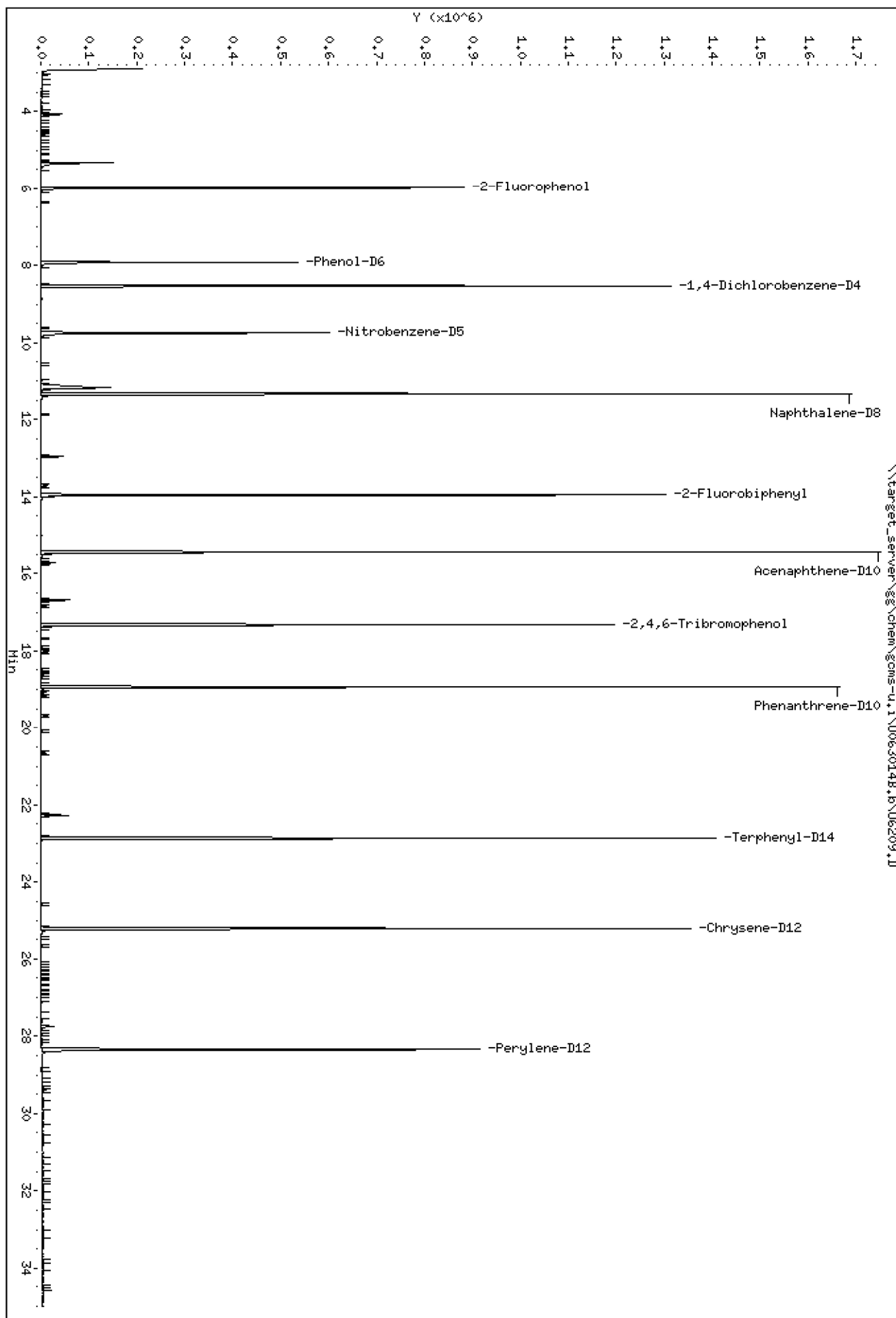
Concentration Formula: Amt * DF * Uf*(Vt/Vo*Vi)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW CODE
						ON-COLUMN (ug/ml)	FINAL (ug/L)	
\$ 8 2-Fluorophenol	112	5.978	5.989	(0.701)	419877	42.6670	42.7	
\$ 13 Phenol-D6	99	7.913	7.924	(0.928)	335997	27.8697	27.9	
* 19 1,4-Dichlorobenzene-D4	152	8.524	8.524	(1.000)	344822	40.0000		
\$ 33 Nitrobenzene-D5	82	9.745	9.746	(0.859)	357048	32.9848	33.0	
* 44 Naphthalene-D8	136	11.339	11.340	(1.000)	1360447	40.0000		
\$ 63 2-Fluorobiphenyl	172	13.947	13.958	(0.903)	688292	34.5975	34.6	
* 78 Acenaphthene-D10	164	15.448	15.449	(1.000)	739636	40.0000		
\$ 100 2,4,6-Tribromophenol	330	17.321	17.332	(1.121)	263369	84.2193	84.2	
* 114 Phenanthrene-D10	188	18.936	18.947	(1.000)	1114673	40.0000		
\$ 129 Terphenyl-D14	244	22.859	22.859	(0.906)	814598	39.7627	39.8	
* 140 Chrysene-D12	240	25.219	25.219	(1.000)	954899	40.0000		
* 149 Perylene-D12	264	28.344	28.345	(1.000)	671643	40.0000		

Data File: \\target_server\gs\chem\goms-u,i\U063014B,b\U6209.D
Date : 30-JUN-2014 17:00
Client ID: MG145380-Blank
Sample Info: MG145380-1,ME53-7

Instrument: goms-u,i



Report of Analytical Results

Client:
Lab ID: WG145277-1
Client ID: Method Blank Sample
Project:
SDG: WE53-7
Lab File ID: U6210.D

Sample Date:
Received Date:
Extract Date: 23-JUN-14
Extracted By: AM
Extraction Method: SW846 3510
Lab Prep Batch: WG145277

Analysis Date: 30-JUN-14
Analyst: JCG
Analysis Method: SW846 8270D
Matrix: AQ
% Solids: NA
Report Date: 16-JUL-14

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Phenol	U	7.5	ug/L	1	10	10.	1.8	7.5
2-Methylphenol	U	7.5	ug/L	1	10	10.	3.8	7.5
Isophorone	U	7.5	ug/L	1	10	10.	1.7	7.5
2-Nitrophenol	U	7.5	ug/L	1	10	10.	2.7	7.5
2,4-Dimethylphenol	U	7.5	ug/L	1	10	10.	4.4	7.5
4-Chloro-3-Methylphenol	U	7.5	ug/L	1	10	10.	3.6	7.5
2,4,5-Trichlorophenol	U	19	ug/L	1	25	25.	3.6	19.
2-Chloronaphthalene	U	7.5	ug/L	1	10	10.	2.9	7.5
Dimethyl Phthalate	U	7.5	ug/L	1	10	10.	2.0	7.5
Diethylphthalate	U	7.5	ug/L	1	10	10.	2.0	7.5
N-Nitrosodiphenylamine	U	7.5	ug/L	1	10	10.	3.7	7.5
Carbazole	U	7.5	ug/L	1	10	10.	2.1	7.5
Di-N-Butylphthalate	U	7.5	ug/L	1	10	10.	2.5	7.5
Butylbenzylphthalate	U	7.5	ug/L	1	10	10.	1.9	7.5
Di-N-Octylphthalate	U	7.5	ug/L	1	10	10.	1.8	7.5
Acetophenone	U	7.5	ug/L	1	10	10.	3.9	7.5
Caprolactam	U	7.5	ug/L	1	10	10.	0.40	7.5
Benzaldehyde	U	7.5	ug/L	1	10	10.	1.0	7.5
2,3,4,6-Tetrachlorophenol	U	7.5	ug/L	1	10	10.	2.7	7.5
4-Bromophenyl-Phenylether	U	7.5	ug/L	1	10	10.	1.9	7.5
4-Chlorophenyl-Phenylether	U	7.5	ug/L	1	10	10.	2.2	7.5
4-Nitrophenol	U	19	ug/L	1	25	25.	1.8	19.
Acenaphthene	U	7.5	ug/L	1	10	10.	1.5	7.5
Acenaphthylene	U	7.5	ug/L	1	10	10.	1.5	7.5
Anthracene	U	7.5	ug/L	1	10	10.	1.7	7.5
Fluorene	U	7.5	ug/L	1	10	10.	2.1	7.5
Fluoranthene	U	7.5	ug/L	1	10	10.	2.4	7.5
Benzo(g,h,i)perylene	U	7.5	ug/L	1	10	10.	1.5	7.5
Benzo(k)fluoranthene	U	7.5	ug/L	1	10	10.	1.6	7.5
Bis(2-Chloroethoxy)Methane	U	7.5	ug/L	1	10	10.	2.1	7.5
2-Fluorophenol		50.8	%					
Phenol-D6		33.5	%					
Nitrobenzene-d5		76.1	%					
2-Fluorobiphenyl		78.2	%					

Report of Analytical Results

Client:
Lab ID: WG145277-1
Client ID: Method Blank Sample
Project:
SDG: WE53-7
Lab File ID: U6210.D

Sample Date:
Received Date:
Extract Date: 23-JUN-14
Extracted By: AM
Extraction Method: SW846 3510
Lab Prep Batch: WG145277

Analysis Date: 30-JUN-14
Analyst: JCG
Analysis Method: SW846 8270D
Matrix: AQ
% Solids: NA
Report Date: 16-JUL-14

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
2,4,6-Tribromophenol		89.4	%					
Terphenyl-d14		92.4	%					

Data File: \\target_server\gg\chem\gcms-u.i\U063014B.b\U6210.D
 Report Date: 15-Jul-2014 15:27

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-u.i\U063014B.b\U6210.D
 Lab Smp Id: WG145277-1 Client Smp ID: WG145277-Blank
 Inj Date : 30-JUN-2014 17:44 MS Autotune Date: 26-OCT-2013 10:51
 Operator : JCG Inst ID: gcms-u.i
 Smp Info : WG145277-1,WE53-7
 Misc Info : WG145703,WG145277,WG145667-4,SH4401-4
 Comment :
 Method : \\target_server\gg\chem\gcms-u.i\U063014B.b\U8270C59.m
 Meth Date : 15-Jul-2014 15:23 gcms-u.i Quant Type: ISTD
 Cal Date : 30-JUN-2014 13:49 Cal File: U6205.D
 Als bottle: 5 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all_DOD.sub
 Target Version: 4.12

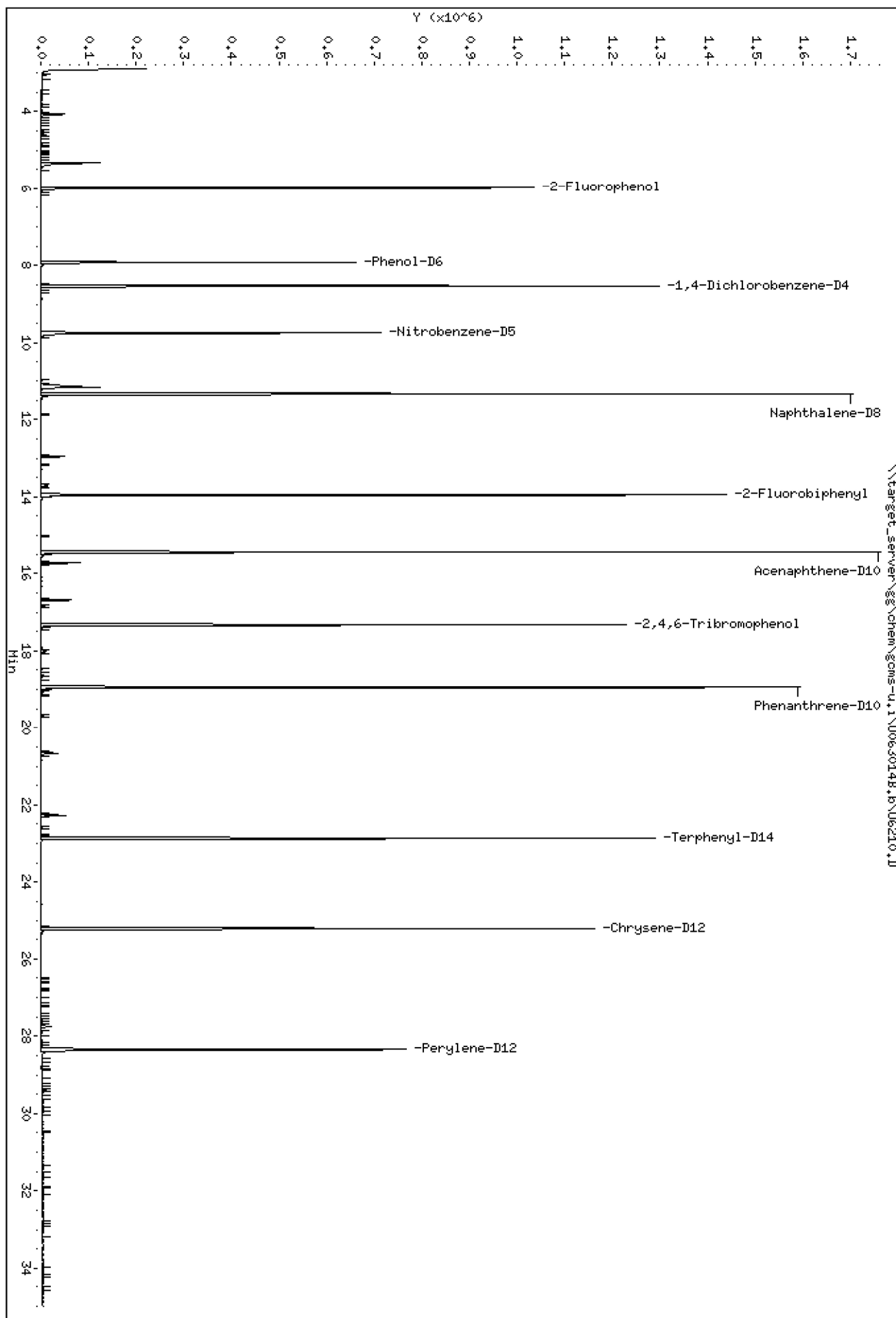
Concentration Formula: Amt * DF * Uf*(Vt/Vo*Vi)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW CODE
						ON-COLUMN (ug/ml)	FINAL (ug/L)	
\$ 8 2-Fluorophenol	112	5.977	5.989	(0.701)	498725	50.8575	50.8	
\$ 13 Phenol-D6	99	7.913	7.924	(0.928)	402917	33.5379	33.5	
* 19 1,4-Dichlorobenzene-D4	152	8.523	8.524	(1.000)	343614	40.0000		
\$ 33 Nitrobenzene-D5	82	9.745	9.746	(0.859)	410922	38.0610	38.1	
* 44 Naphthalene-D8	136	11.339	11.340	(1.000)	1356901	40.0000		
\$ 63 2-Fluorobiphenyl	172	13.947	13.958	(0.903)	774114	39.0884	39.1	
* 78 Acenaphthene-D10	164	15.448	15.449	(1.000)	736288	40.0000		
\$ 100 2,4,6-Tribromophenol	330	17.331	17.332	(1.122)	278347	89.4137	89.4	
* 114 Phenanthrene-D10	188	18.936	18.947	(1.000)	1081544	40.0000		
\$ 129 Terphenyl-D14	244	22.858	22.859	(0.906)	809724	46.1839	46.2	
* 140 Chrysene-D12	240	25.218	25.219	(1.000)	817215	40.0000		
* 149 Perylene-D12	264	28.344	28.345	(1.000)	602385	40.0000		

Data File: \\target_server\gs\chem\goms-u,i\U063014B,b\U6210.D
 Date : 30-JUN-2014 17:44
 Client ID: MG145277-Blank
 Sample Info: MG145277-1,ME53-7

Instrument: goms-u,i



LCS/LCSD Recovery Report

LCS ID: WG145277-2
LCSD ID: WG145277-3
Project:
SDG: WE53-7
Report Date: 16-JUL-14
LCS File ID: U6219.D

Received Date:
Extract Date: 23-JUN-14
Extracted By: AM
Extraction Method: SW846 3510
Lab Prep Batch: WG145277
LCSD File ID: U6220.D

Analysis Date: 01-JUL-14
Analyst: JCG
Analysis Method: SW846 8270D
Matrix: AQ
% Solids: NA

Compound	Spike Amt	LCS Conc	LCS Rec (%)	LCSD Conc	LCSD Rec (%)	Conc Units	RPD (%)	RPD Limit	Limits
Phenol	100.	28.1	28.1	30.4	30.4	ug/L	8	30	0-115
2-Methylphenol	100.	58.9	58.9	60.7	60.7	ug/L	3	30	40-110
Isophorone	50.0	41.2	82.4	43.4	86.8	ug/L	5	30	50-110
2-Nitrophenol	100.	72.4	72.4	76.4	76.4	ug/L	5	30	40-115
2,4-Dimethylphenol	100.	65.9	65.9	70.0	70.0	ug/L	6	30	30-110
4-Chloro-3-Methylphenol	100.	77.4	77.4	86.8	86.8	ug/L	11	30	45-110
2,4,5-Trichlorophenol	100.	80.1	80.1	86.0	86.0	ug/L	7	30	50-110
2-Chloronaphthalene	50.0	25.6	51.2	27.4	54.8	ug/L	7	30	50-105
Dimethyl Phthalate	50.0	39.1	78.2	41.4	82.8	ug/L	6	30	25-125
Diethylphthalate	50.0	45.4	90.8	49.7	99.4	ug/L	9	30	40-120
N-Nitrosodiphenylamine	50.0	36.0	72.0	39.8	79.6	ug/L	10	30	50-110
Carbazole	50.0	45.6	91.2	50.0	100.	ug/L	9	30	50-115
Di-N-Butylphthalate	50.0	49.7	99.4	54.2	108.	ug/L	9	30	55-115
Butylbenzylphthalate	50.0	46.8	93.6	49.6	99.2	ug/L	6	30	45-115
Di-N-Octylphthalate	50.0	42.2	84.4	45.6	91.2	ug/L	8	30	35-135
Acetophenone	50.0	38.6	77.2	40.0	80.0	ug/L	4	30	49-102
Caprolactam	50.0	2.28	4.56*	4.00	8.00*	ug/L	55*	30	10-86
Benzaldehyde	50.0	79.2	158.	77.8	156.	ug/L	2	30	10-189
2,3,4,6-Tetrachlorophenol	100.	82.2	82.2	91.6	91.6	ug/L	11	30	49-119
4-Bromophenyl-Phenylether	50.0	44.0	88.0	47.9	95.8	ug/L	8	30	50-115
4-Chlorophenyl-Phenylether	50.0	44.0	88.0	48.6	97.2	ug/L	10	30	50-110
4-Nitrophenol	100.	34.4	34.4	42.9	42.9	ug/L	22	30	0-125
Acenaphthene	50.0	42.7	85.4	45.4	90.8	ug/L	6	30	45-110
Acenaphthylene	50.0	39.9	79.8	43.0	86.0	ug/L	7	30	50-105
Anthracene	50.0	46.0	92.0	50.6	101.	ug/L	10	30	67-112
Fluorene	50.0	45.2	90.4	48.8	97.6	ug/L	8	30	50-110
Fluoranthene	50.0	48.0	96.0	49.9	99.8	ug/L	4	30	55-115
Benzo(g,h,i)perylene	50.0	44.9	89.8	49.8	99.6	ug/L	10	30	40-125
Benzo(k)fluoranthene	50.0	45.9	91.8	50.0	100.	ug/L	8	30	45-125
Bis(2-Chloroethoxy)Methane	50.0	32.5	65.0	33.6	67.2	ug/L	3	30	45-105
2-Fluorophenol			43.7		45.7				20-110
Phenol-D6			27.5		29.8				10-115
Nitrobenzene-d5			73.8		75.9				40-110
2-Fluorobiphenyl			77.2		80.0				50-110

LCS/LCSD Recovery Report

LCS ID: WG145277-2
LCSD ID: WG145277-3
Project:
SDG: WE53-7
Report Date: 16-JUL-14
LCS File ID: U6219.D

Received Date:
Extract Date: 23-JUN-14
Extracted By: AM
Extraction Method: SW846 3510
Lab Prep Batch: WG145277
LCSD File ID: U6220.D

Analysis Date: 01-JUL-14
Analyst: JCG
Analysis Method: SW846 8270D
Matrix: AQ
% Solids: NA

2,4,6-Tribromophenol	89.8	99.8	40-125
Terphenyl-d14	94.6	103.	50-135

Data File: \\target_server\gg\chem\gcms-u.i\U063014B.b\U6219.D
 Report Date: 15-Jul-2014 15:27

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-u.i\U063014B.b\U6219.D
 Lab Smp Id: WG145277-2 Client Smp ID: WG145277-LCS
 Inj Date : 01-JUL-2014 00:14 MS Autotune Date: 26-OCT-2013 10:51
 Operator : JCG Inst ID: gcms-u.i
 Smp Info : WG145277-2,WE53-7
 Misc Info : WG145703,WG145277,WG145667-4,SH4401-4
 Comment :
 Method : \\target_server\gg\chem\gcms-u.i\U063014B.b\U8270C59.m
 Meth Date : 15-Jul-2014 15:23 gcms-u.i Quant Type: ISTD
 Cal Date : 30-JUN-2014 13:49 Cal File: U6205.D
 Als bottle: 14 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all_DOD.sub
 Target Version: 4.12

Concentration Formula: Amt * DF * Uf*(Vt/Vo*Vi)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

						CONCENTRATIONS		
QUANT SIG						ON-COLUMN	FINAL	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/L)	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====
1 1,4-Dioxane	58	3.078	3.070	(0.272)	46599	18.0248	18.0 (R)	
2 N-Nitrosodimethylamine	42	3.523	3.525	(0.413)	71715	17.1687	17.2	
7 Methyl Methanesulfonate	80	5.624	5.626	(0.660)	269590	42.4820	42.5	
\$ 8 2-Fluorophenol	112	5.986	5.989	(0.702)	404418	43.6811	43.7	
10 Ethyl Methanesulfonate	79	7.032	7.034	(0.825)	539563	68.4240	68.4	
11 Benzaldehyde	77	7.611	7.614	(0.893)	88019	79.1666	79.2 (R)	
12 Aniline	93	7.860	7.862	(0.922)	192680	12.5929	12.6 (aR)	
16 Bis(2-Chloroethyl)ether	93	8.046	8.048	(0.944)	362151	38.0213	38.0	
\$ 13 Phenol-D6	99	7.922	7.924	(0.930)	312027	27.5094	27.5	
15 Phenol	94	7.943	7.955	(0.932)	332921	28.1245	28.1	
17 2-Chlorophenol	128	8.108	8.110	(0.951)	646148	66.3007	66.3	
18 1,3-Dichlorobenzene	146	8.398	8.400	(0.985)	298032	27.8905	27.9	
* 19 1,4-Dichlorobenzene-D4	152	8.522	8.524	(1.000)	324416	40.0000		
20 1,4-Dichlorobenzene	146	8.564	8.566	(1.005)	304557	28.1122	28.1	
21 1,2-Dichlorobenzene	146	8.885	8.876	(1.043)	299204	28.7990	28.8	
22 Benzyl alcohol	108	8.905	8.907	(1.045)	177676	27.6781	27.7	
24 Bis(2-Chloroisopropyl)ether	45	9.216	9.239	(1.081)	285163	24.7526	24.8 (Q)	
25 2,2'-Oxybis(1-chloropropane)	45	9.216	9.239	(1.081)	285163	24.7786	24.8 (Q)	
23 2-Methylphenol	108	9.226	9.228	(1.083)	531207	58.8890	58.9	
27 Acetophenone	105	9.454	9.446	(0.834)	485404	38.6236	38.6	
32 Hexachloroethane	117	9.609	9.611	(1.127)	109787	25.6442	25.6	

Data File: \\target_server\gg\chem\gcms-u.i\U063014B.b\U6219.D
 Report Date: 15-Jul-2014 15:27

Compounds	QUANT SIG			RESPONSE	CONCENTRATIONS		REVIEW CODE
	MASS	RT	EXP RT		ON-COLUMN (ug/ml)	FINAL (ug/L)	
=====	=====	=====	=====	=====	=====	=====	=====
30 N-Nitroso-di-n-propylamine	70	9.516	9.528 (1.117)	265748	38.1443	38.1	
31 3&4-Methylphenol	108	9.578	9.601 (1.124)	502853	54.5159	54.5	
\$ 33 Nitrobenzene-D5	82	9.744	9.746 (0.859)	377644	36.9214	36.9	
34 Nitrobenzene	77	9.785	9.787 (0.863)	380977	38.2760	38.3	
36 Isophorone	82	10.396	10.367 (0.917)	799395	41.2211	41.2	
37 2-Nitrophenol	139	10.509	10.512 (0.927)	392299	72.3997	72.4	
38 2,4-Dimethylphenol	107	10.758	10.760 (0.949)	637911	65.9180	65.9	
40 Bis (2-Chloroethoxy)methane	93	10.944	10.946 (0.965)	439191	32.4601	32.5	
41 2,4-Dichlorophenol	162	11.089	11.102 (0.978)	617383	73.5527	73.6	
43 1,2,4-Trichlorobenzene	180	11.244	11.247 (0.992)	266423	32.1913	32.2	
* 44 Naphthalene-D8	136	11.338	11.340 (1.000)	1285503	40.0000		
42 Benzoic acid	122	11.079	11.122 (0.977)	30879	7.07718	7.08 (aR)	
45 Naphthalene	128	11.379	11.381 (1.004)	864748	34.6852	34.7	
47 2,6-Dichlorophenol	162	11.607	11.609 (1.024)	587271	80.1280	80.1	
46 4-Chloroaniline	127	11.596	11.598 (1.023)	334378	32.5952	32.6	
50 Hexachlorobutadiene	225	11.772	11.774 (1.038)	141388	28.2926	28.3	
52 Caprolactam	113	12.538	12.478 (1.106)	6251	2.27525	2.28 (aQR)	
56 2-Methylnaphthalene	142	13.014	13.016 (1.148)	642913	35.4531	35.4	
54 4-Chloro-3-Methylphenol	107	12.849	12.861 (1.133)	615265	77.4520	77.4	
57 1-Methylnaphthalene	142	13.232	13.234 (1.167)	605335	35.7785	35.8	
59 1,2,4,5-Tetrachlorobenzene	216	13.428	13.430 (0.869)	309367	37.4790	37.5	
60 Hexachlorocyclopentadiene	237	13.449	13.451 (0.871)	147291	24.3839	24.4	
61 2,4,6-Trichlorophenol	196	13.749	13.751 (0.890)	478163	77.1891	77.2	
\$ 63 2-Fluorobiphenyl	172	13.946	13.958 (0.903)	747398	38.6132	38.6	
62 2,4,5-Trichlorophenol	196	13.822	13.834 (0.895)	524743	80.0691	80.1	
65 2-Chloronaphthalene	162	14.132	14.145 (0.915)	636330	25.5812	25.6	
66 1,1'-Biphenyl	154	14.153	14.155 (0.916)	751493	40.3918	40.4	
69 2-Nitroaniline	65	14.453	14.455 (0.936)	200928	36.4275	36.4	
75 Acenaphthylene	152	15.095	15.097 (0.977)	1042704	39.8662	39.9	
73 Dimethyl Phthalate	163	15.001	15.004 (0.971)	772107	39.1071	39.1	
74 2,6-Dinitrotoluene	165	15.074	15.076 (0.976)	204925	46.4422	46.4	
* 78 Acenaphthene-D10	164	15.447	15.449 (1.000)	719625	40.0000		
79 Acenaphthene	153	15.519	15.521 (1.005)	687835	42.7059	42.7	
77 3-Nitroaniline	138	15.436	15.449 (0.999)	145894	32.8945	32.9	
80 2,4-Dinitrophenol	184	15.695	15.707 (1.016)	204298	82.8171	82.8	
82 Dibenzofuran	168	15.943	15.945 (1.032)	977675	41.5611	41.6	
84 2,4-Dinitrotoluene	165	16.016	16.028 (1.037)	263612	46.9704	47.0	
83 4-Nitrophenol	139	16.005	16.028 (1.036)	107923	34.4030	34.4	
87 2,3,4,6-Tetrachlorophenol	232	16.306	16.308 (1.056)	399561	82.1899	82.2	
90 Fluorene	166	16.751	16.753 (1.084)	864928	45.2262	45.2	
89 Diethylphthalate	149	16.699	16.711 (1.081)	866442	45.4357	45.4	
91 4-Chlorophenyl-phenylether	204	16.833	16.836 (1.090)	400073	44.0258	44.0	
94 4-Nitroaniline	138	16.896	16.908 (1.094)	172441	47.0769	47.1 (Q)	
95 4,6-Dinitro-2-Methylphenol	198	16.978	16.980 (0.896)	307303	88.7952	88.8	
96 N-Nitrosodiphenylamine	169	17.144	17.146 (0.905)	593009	35.9788	36.0	
97 N-Nitrosodiphenylamine/DPA	169	17.144	17.146 (0.905)	593009	35.9788	36.0	
98 1,2-Diphenylhydrazine	77	17.206	17.208 (0.908)	897458	42.7289	42.7	
99 Azobenzene	77	17.206	17.208 (0.908)	897458	42.7973	42.8	
\$ 100 2,4,6-Tribromophenol	330	17.330	17.332 (1.122)	273090	89.7563	89.8	
105 4-Bromophenyl-phenylether	248	17.982	17.984 (0.949)	250081	44.0448	44.0	
107 Hexachlorobenzene	284	18.065	18.078 (0.954)	296314	44.4220	44.4	
109 Atrazine	200	18.541	18.543 (0.979)	224211	51.8689	51.9	
110 Pentachlorophenol	266	18.583	18.585 (0.981)	349992	91.8009	91.8	
* 114 Phenanthrene-D10	188	18.945	18.947 (1.000)	1106512	40.0000		

Data File: \\target_server\gg\chem\gcms-u.i\U063014B.b\U6219.D
 Report Date: 15-Jul-2014 15:27

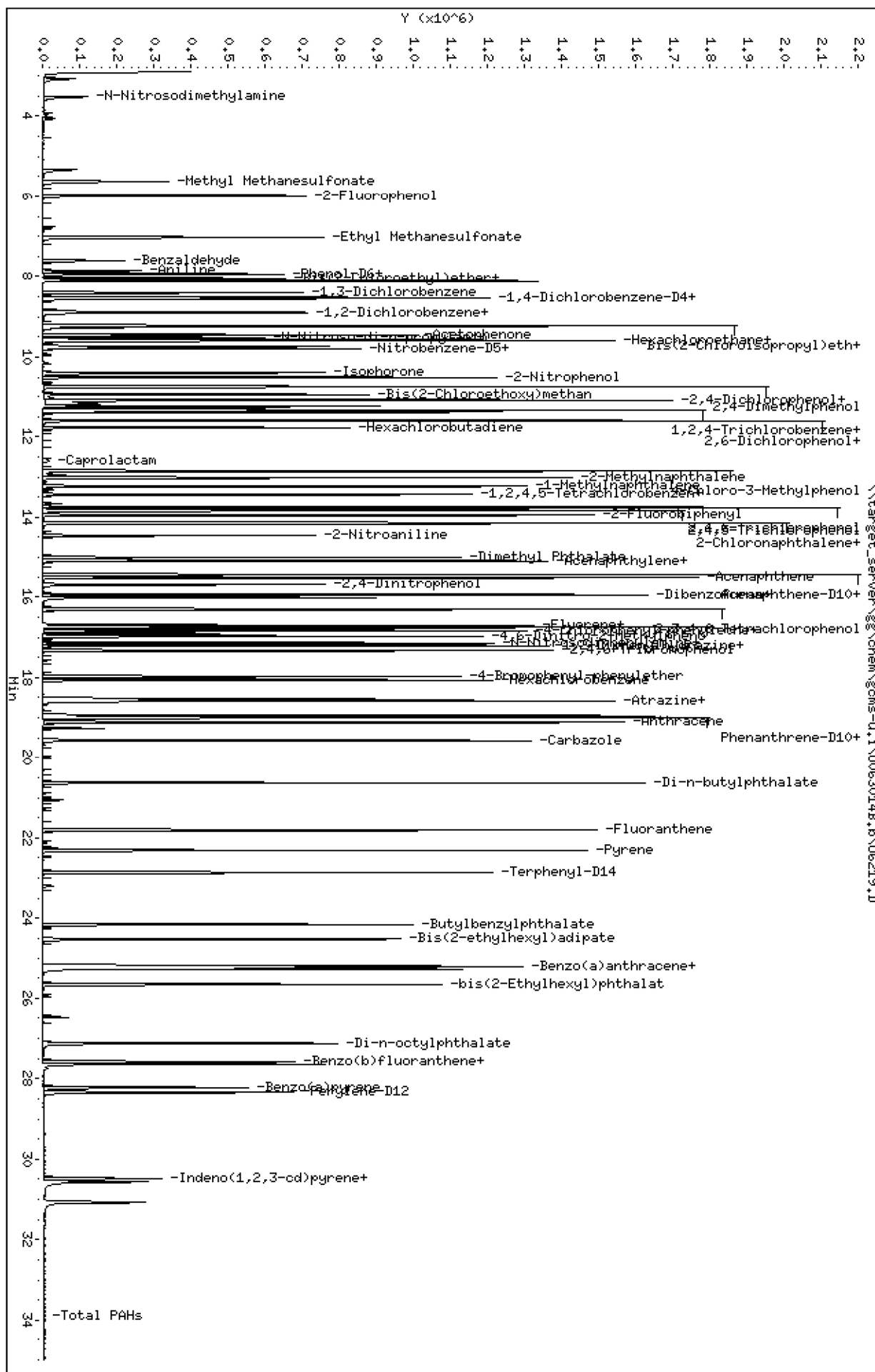
Compounds	QUANT SIG			REL RT	RESPONSE	CONCENTRATIONS		REVIEW CODE
	MASS	RT	EXP RT			ON-COLUMN (ug/ml)	FINAL (ug/L)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
115 Phenanthrene	178	18.997	18.999	(1.003)	1151675	45.5484	45.5	
116 Anthracene	178	19.110	19.123	(1.009)	1121388	46.0380	46.0	
119 Carbazole	167	19.566	19.568	(1.033)	972554	45.5980	45.6	
121 Di-n-butylphthalate	149	20.632	20.634	(1.089)	1484733	49.7186	49.7	
126 Fluoranthene	202	21.812	21.814	(1.151)	1137409	48.0070	48.0	
128 Pyrene	202	22.319	22.321	(0.885)	1152772	49.1404	49.1	
\$ 129 Terphenyl-D14	244	22.857	22.859	(0.906)	717079	47.3173	47.3	
135 Butylbenzylphthalate	149	24.161	24.153	(0.958)	479051	46.7868	46.8	
136 Bis(2-ethylhexyl)adipate	129	24.513	24.526	(0.972)	343323	37.6067	37.6	
139 Benzo(a)anthracene	228	25.196	25.198	(0.999)	727538	44.4335	44.4	
* 140 Chrysene-D12	240	25.217	25.219	(1.000)	706379	40.0000		
142 Chrysene	228	25.279	25.281	(1.002)	706938	48.0414	48.0	
141 3,3'-Dichlorobenzidine	252	25.248	25.250	(1.001)	311055	66.5576	66.6	
143 bis(2-Ethylhexyl)phthalate	149	25.662	25.664	(1.018)	614481	43.6895	43.7	
144 Di-n-octylphthalate	149	27.121	27.124	(0.957)	860600	42.2020	42.2	
145 Benzo(b)fluoranthene	252	27.577	27.589	(0.973)	520831	42.5597	42.6	
147 Benzo(k)fluoranthene	252	27.639	27.651	(0.975)	579914	45.9302	45.9 (H)	
148 Benzo(a)pyrene	252	28.229	28.221	(0.996)	447670	42.0707	42.1	
* 149 Perylene-D12	264	28.343	28.345	(1.000)	489438	40.0000		
153 Indeno(1,2,3-cd)pyrene	276	30.485	30.487	(1.076)	302213	43.4332	43.4	
154 Dibenzo(a,h)anthracene	278	30.568	30.570	(1.079)	303807	43.6309	43.6	
155 Benzo(g,h,i)perylene	276	31.075	31.077	(1.096)	332556	44.8734	44.9	
M 156 Total PAHs	100				13193174	777.422	777	

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.
- R - Spike/Surrogate failed recovery limits.
- H - Operator selected an alternate compound hit.

Data File: \\target_server\gs\chem\goms-u.i\U063014B.b\U6219.D
 Date : 01-JUL-2014 00:14
 Client ID: W014527-LCS
 Sample Info: W014527-2,ME53-7
 Volume Injected (uL): 1.0
 Column phase: ZB5-MS

Instrument: goms-u.i
 Operator: JCG
 Column diameter: 0.25



Data File: \\target_server\gg\chem\gcms-u.i\U063014B.b\U6220.D
Report Date: 15-Jul-2014 15:27

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-u.i\U063014B.b\U6220.D
Lab Smp Id: WG145277-3 Client Smp ID: WG145277-LCSD
Inj Date : 01-JUL-2014 00:57 MS Autotune Date: 26-OCT-2013 10:51
Operator : JCG Inst ID: gcms-u.i
Smp Info : WG145277-3,WE53-7
Misc Info : WG145703,WG145277,WG145667-4,SH4401-4
Comment :
Method : \\target_server\gg\chem\gcms-u.i\U063014B.b\U8270C59.m
Meth Date : 15-Jul-2014 15:23 gcms-u.i Quant Type: ISTD
Cal Date : 30-JUN-2014 13:49 Cal File: U6205.D
Als bottle: 15 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all_DOD.sub
Target Version: 4.12

Concentration Formula: Amt * DF * Uf*(Vt/Vo*Vi)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

						CONCENTRATIONS		
QUANT SIG						ON-COLUMN	FINAL	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/L)	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====
1 1,4-Dioxane	58	3.071	3.070	(0.271)	47431	19.4324	19.4	
2 N-Nitrosodimethylamine	42	3.526	3.525	(0.414)	69660	17.3637	17.4	
7 Methyl Methanesulfonate	80	5.617	5.626	(0.659)	273734	44.9118	44.9	
\$ 8 2-Fluorophenol	112	5.979	5.989	(0.701)	406562	45.7215	45.7	
10 Ethyl Methanesulfonate	79	7.035	7.034	(0.825)	544475	71.8912	71.9	
11 Benzaldehyde	77	7.604	7.614	(0.892)	83089	77.8109	77.8 (R)	
12 Aniline	93	7.863	7.862	(0.922)	165645	11.2719	11.3 (aR)	
16 Bis (2-Chloroethyl) ether	93	8.049	8.048	(0.944)	351905	38.4675	38.5	
\$ 13 Phenol-D6	99	7.925	7.924	(0.930)	324664	29.8026	29.8	
15 Phenol	94	7.946	7.955	(0.932)	345972	30.4310	30.4	
17 2-Chlorophenol	128	8.101	8.110	(0.950)	657277	70.2209	70.2	
18 1,3-Dichlorobenzene	146	8.401	8.400	(0.985)	311254	30.3277	30.3	
* 19 1,4-Dichlorobenzene-D4	152	8.525	8.524	(1.000)	311581	40.0000		
20 1,4-Dichlorobenzene	146	8.567	8.566	(1.005)	313557	30.1352	30.1	
21 1,2-Dichlorobenzene	146	8.877	8.876	(1.041)	308260	30.8929	30.9	
22 Benzyl alcohol	108	8.908	8.907	(1.045)	173539	28.1472	28.1	
24 Bis (2-Chloroisopropyl) ether	45	9.219	9.239	(1.081)	282742	25.5534	25.6 (Q)	
25 2,2'-Oxybis (1-chloropropane)	45	9.219	9.239	(1.081)	282742	25.5802	25.6 (Q)	
23 2-Methylphenol	108	9.229	9.228	(1.083)	525902	60.7024	60.7	
27 Acetophenone	105	9.457	9.446	(0.834)	474579	39.9971	40.0	
32 Hexachloroethane	117	9.602	9.611	(1.126)	116367	28.3008	28.3	

Data File: \\target_server\gg\chem\gcms-u.i\U063014B.b\U6220.D
 Report Date: 15-Jul-2014 15:27

Compounds	QUANT SIG			RESPONSE	CONCENTRATIONS		REVIEW CODE
	MASS	RT	EXP RT		ON-COLUMN (ug/ml)	FINAL (ug/L)	
=====	=====	=====	=====	=====	=====	=====	=====
30 N-Nitroso-di-n-propylamine	70	9.519	9.528 (1.117)	263772	39.4203	39.4	
31 3&4-Methylphenol	108	9.581	9.601 (1.124)	506067	57.1244	57.1	
\$ 33 Nitrobenzene-D5	82	9.747	9.746 (0.859)	366303	37.9321	37.9	
34 Nitrobenzene	77	9.788	9.787 (0.863)	376020	40.0137	40.0	
36 Isophorone	82	10.399	10.367 (0.917)	794590	43.3981	43.4	
37 2-Nitrophenol	139	10.513	10.512 (0.927)	391026	76.4356	76.4	
38 2,4-Dimethylphenol	107	10.761	10.760 (0.949)	639723	70.0175	70.0	
40 Bis (2-Chloroethoxy)methane	93	10.947	10.946 (0.965)	428688	33.5589	33.6	
41 2,4-Dichlorophenol	162	11.092	11.102 (0.978)	611476	77.1602	77.2	
43 1,2,4-Trichlorobenzene	180	11.247	11.247 (0.992)	269153	34.4458	34.4	
* 44 Naphthalene-D8	136	11.341	11.340 (1.000)	1213676	40.0000		
42 Benzoic acid	122	11.165	11.122 (0.984)	93956	22.8082	22.8 (a)	
45 Naphthalene	128	11.382	11.381 (1.004)	853039	36.2405	36.2	
47 2,6-Dichlorophenol	162	11.599	11.609 (1.023)	590972	85.4049	85.4	
46 4-Chloroaniline	127	11.599	11.598 (1.023)	325123	33.5686	33.6	
50 Hexachlorobutadiene	225	11.775	11.774 (1.038)	144120	30.5461	30.5	
52 Caprolactam	113	12.531	12.478 (1.105)	10365	3.99594	4.00 (aR)	
56 2-Methylnaphthalene	142	13.017	13.016 (1.148)	628991	36.7382	36.7	
54 4-Chloro-3-Methylphenol	107	12.852	12.861 (1.133)	650939	86.7923	86.8	
57 1-Methylnaphthalene	142	13.235	13.234 (1.167)	599252	37.5151	37.5	
59 1,2,4,5-Tetrachlorobenzene	216	13.431	13.430 (0.869)	301133	38.5059	38.5	
60 Hexachlorocyclopentadiene	237	13.452	13.451 (0.871)	146161	25.5395	25.5	
61 2,4,6-Trichlorophenol	196	13.752	13.751 (0.890)	489988	83.4872	83.5	
\$ 63 2-Fluorobiphenyl	172	13.949	13.958 (0.903)	733355	39.9901	40.0	
62 2,4,5-Trichlorophenol	196	13.825	13.834 (0.895)	534233	86.0406	86.0	
65 2-Chloronaphthalene	162	14.135	14.145 (0.915)	646009	27.4114	27.4	
66 1,1'-Biphenyl	154	14.156	14.155 (0.916)	756697	42.9283	42.9	
69 2-Nitroaniline	65	14.456	14.455 (0.936)	211683	40.5069	40.5	
75 Acenaphthylene	152	15.087	15.097 (0.977)	1064569	42.9608	43.0	
73 Dimethyl Phthalate	163	15.005	15.004 (0.971)	774226	41.3904	41.4	
74 2,6-Dinitrotoluene	165	15.067	15.076 (0.975)	214937	51.4142	51.4	
* 78 Acenaphthene-D10	164	15.450	15.449 (1.000)	681792	40.0000		
79 Acenaphthene	153	15.522	15.521 (1.005)	693137	45.4232	45.4	
77 3-Nitroaniline	138	15.439	15.449 (0.999)	155115	36.9142	36.9	
80 2,4-Dinitrophenol	184	15.698	15.707 (1.016)	236391	101.144	101	
82 Dibenzofuran	168	15.946	15.945 (1.032)	1004481	45.0701	45.1	
84 2,4-Dinitrotoluene	165	16.019	16.028 (1.037)	281217	52.8877	52.9	
83 4-Nitrophenol	139	16.009	16.028 (1.036)	127433	42.8764	42.9	
87 2,3,4,6-Tetrachlorophenol	232	16.309	16.308 (1.056)	421968	91.6156	91.6	
90 Fluorene	166	16.754	16.753 (1.084)	884886	48.8373	48.8	
89 Diethylphthalate	149	16.702	16.711 (1.081)	898437	49.7278	49.7	
91 4-Chlorophenyl-phenylether	204	16.837	16.836 (1.090)	418327	48.5890	48.6	
94 4-Nitroaniline	138	16.899	16.908 (1.094)	176942	50.9862	51.0 (Q)	
95 4,6-Dinitro-2-Methylphenol	198	16.981	16.980 (0.896)	325336	98.9061	98.9	
96 N-Nitrosodiphenylamine	169	17.137	17.146 (0.904)	623745	39.8163	39.8	
97 N-Nitrosodiphenylamine/DPA	169	17.137	17.146 (0.904)	623745	39.8163	39.8	
98 1,2-Diphenylhydrazine	77	17.209	17.208 (0.908)	935155	46.8446	46.8	
99 Azobenzene	77	17.209	17.208 (0.908)	935155	46.9196	46.9	
\$ 100 2,4,6-Tribromophenol	330	17.333	17.332 (1.122)	287831	99.8507	99.8	
105 4-Bromophenyl-phenylether	248	17.985	17.984 (0.949)	258605	47.9203	47.9	
106 Phenacetin	108	18.068	18.026 (0.954)	18798	2.51962	2.52 (aQR)	
107 Hexachlorobenzene	284	18.068	18.078 (0.954)	306333	48.3179	48.3	
109 Atrazine	200	18.544	18.543 (0.979)	230356	58.6525	58.6	
110 Pentachlorophenol	266	18.586	18.585 (0.981)	372705	102.854	103	

Data File: \\target_server\gg\chem\gcms-u.i\U063014B.b\U6220.D
 Report Date: 15-Jul-2014 15:27

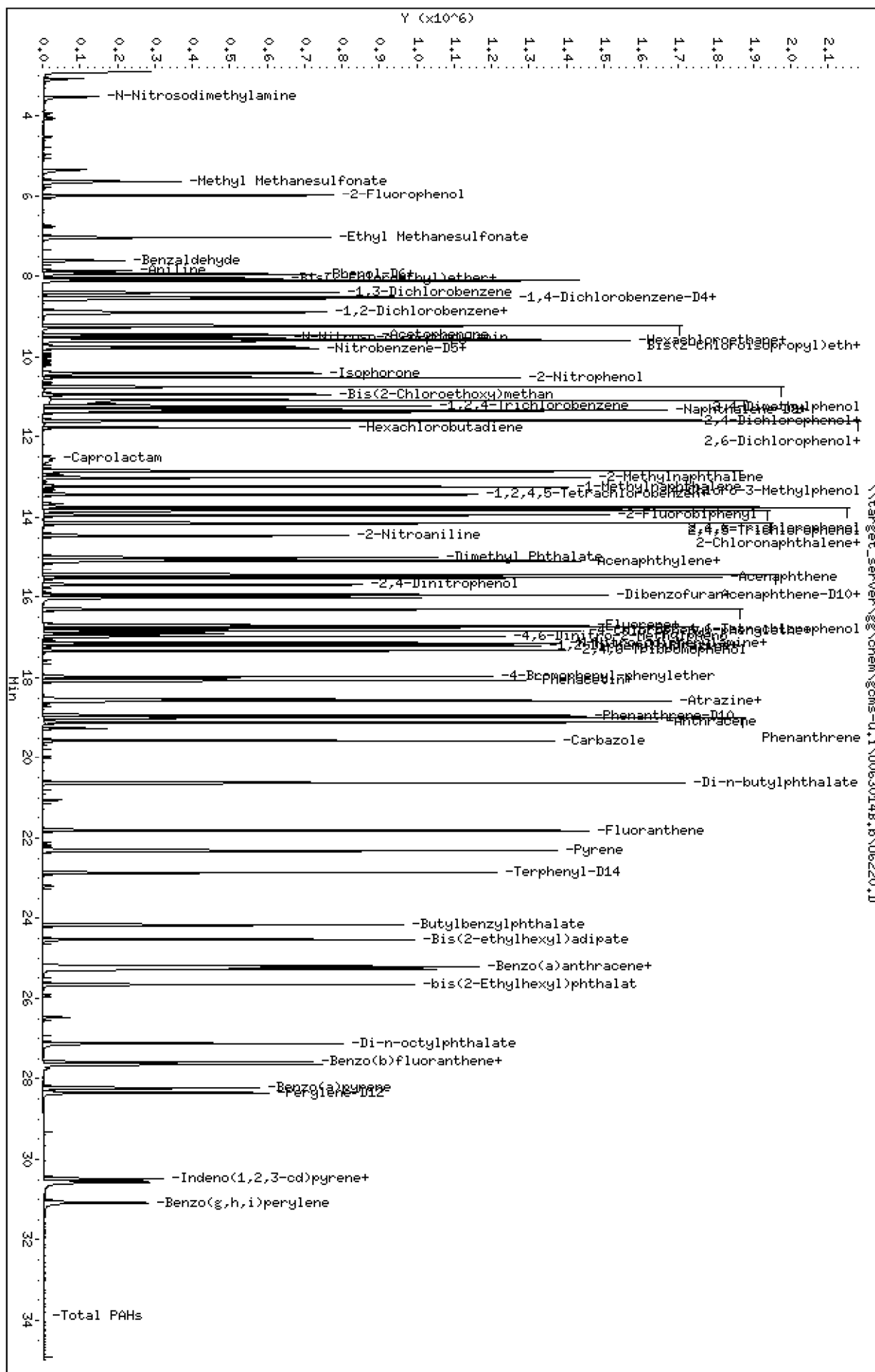
Compounds	QUANT SIG				RESPONSE	CONCENTRATIONS		REVIEW CODE
	MASS	RT	EXP RT	REL RT		ON-COLUMN (ug/ml)	FINAL (ug/L)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
* 114 Phenanthrene-D10	188	18.948	18.947	(1.000)	1051690	40.0000		
115 Phenanthrene	178	19.000	18.999	(1.003)	1183895	49.2634	49.3	
116 Anthracene	178	19.114	19.123	(1.009)	1172638	50.6515	50.6	
119 Carbazole	167	19.569	19.568	(1.033)	1014653	50.0517	50.0	
121 Di-n-butylphthalate	149	20.635	20.634	(1.089)	1537165	54.1576	54.2	
126 Fluoranthene	202	21.815	21.814	(1.151)	1123691	49.9003	49.9	
128 Pyrene	202	22.322	22.321	(0.885)	1135027	54.1836	54.2	
\$ 129 Terphenyl-D14	244	22.860	22.859	(0.906)	698641	51.6265	51.6	
135 Butylbenzylphthalate	149	24.154	24.153	(0.958)	453874	49.6413	49.6	
136 Bis(2-ethylhexyl)adipate	129	24.516	24.526	(0.972)	339422	41.6360	41.6	
139 Benzo(a)anthracene	228	25.199	25.198	(0.999)	694076	47.4710	47.5	
* 140 Chrysene-D12	240	25.220	25.219	(1.000)	630771	40.0000		
142 Chrysene	228	25.282	25.281	(1.002)	685795	52.1909	52.2	
141 3,3'-Dichlorobenzidine	252	25.251	25.250	(1.001)	303203	72.6541	72.6	
143 bis(2-Ethylhexyl)phthalate	149	25.665	25.664	(1.018)	613040	48.8117	48.8	
144 Di-n-octylphthalate	149	27.125	27.124	(0.957)	850014	45.6354	45.6	
145 Benzo(b)fluoranthene	252	27.580	27.589	(0.973)	524993	46.9676	47.0	
147 Benzo(k)fluoranthene	252	27.642	27.651	(0.975)	576701	50.0068	50.0 (H)	
148 Benzo(a)pyrene	252	28.222	28.221	(0.996)	461981	47.5324	47.5	
* 149 Perylene-D12	264	28.346	28.345	(1.000)	447048	40.0000		
153 Indeno(1,2,3-cd)pyrene	276	30.488	30.487	(1.076)	310075	48.7887	48.8	
154 Dibenzo(a,h)anthracene	278	30.571	30.570	(1.079)	306784	48.2362	48.2	
155 Benzo(g,h,i)perylene	276	31.078	31.077	(1.096)	336853	49.7632	49.8	
M 156 Total PAHs	100				13236383	842.670	843	

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.
- R - Spike/Surrogate failed recovery limits.
- H - Operator selected an alternate compound hit.

Data File: \\target_server\gs\chem\goms-u.i\U063014B.b\U6220.D
 Date : 01-JUL-2014 00:57
 Client ID: W014527-LCSD
 Sample Info: W014527-3,ME53-7
 Volume Injected (uL): 1.0
 Column phase: ZB5-HS

Instrument: goms-u.i
 Operator: JCG
 Column diameter: 0.25



LCS/LCSD Recovery Report

LCS ID: WG145380-2
LCSD ID: WG145380-3
Project:
SDG: WE53-7
Report Date: 16-JUL-14
LCS File ID: U6241.D

Received Date:
Extract Date: 25-JUN-14
Extracted By: AM
Extraction Method: SW846 3510
Lab Prep Batch: WG145380
LCSD File ID: U6242.D

Analysis Date: 01-JUL-14
Analyst: JCG
Analysis Method: SW846 8270D
Matrix: AQ
% Solids: NA

Compound	Spike Amt	LCS Conc	LCS Rec (%)	LCSD Conc	LCSD Rec (%)	Conc Units	RPD (%)	RPD Limit	Limits
Phenol	100.	27.6	27.6	36.8	36.8	ug/L	28	30	0-115
2-Methylphenol	100.	56.8	56.8	65.7	65.7	ug/L	14	30	40-110
Isophorone	50.0	42.9	85.8	47.1	94.2	ug/L	9	30	50-110
2-Nitrophenol	100.	70.6	70.6	76.8	76.8	ug/L	8	30	40-115
2,4-Dimethylphenol	100.	66.5	66.5	72.7	72.7	ug/L	9	30	30-110
4-Chloro-3-Methylphenol	100.	79.0	79.0	89.9	89.9	ug/L	13	30	45-110
2,4,5-Trichlorophenol	100.	78.7	78.7	88.7	88.7	ug/L	12	30	50-110
2-Chloronaphthalene	50.0	25.8	51.6	28.4	56.8	ug/L	10	30	50-105
Dimethyl Phthalate	50.0	39.2	78.4	43.6	87.2	ug/L	11	30	25-125
Diethylphthalate	50.0	47.1	94.2	51.2	102.	ug/L	8	30	40-120
N-Nitrosodiphenylamine	50.0	41.2	82.4	43.7	87.4	ug/L	6	30	50-110
Carbazole	50.0	43.8	87.6	46.4	92.8	ug/L	6	30	50-115
Di-N-Butylphthalate	50.0	48.3	96.6	50.0	100.	ug/L	3	30	55-115
Butylbenzylphthalate	50.0	51.5	103.	55.6	111.	ug/L	8	30	45-115
Di-N-Octylphthalate	50.0	50.2	100.	53.1	106.	ug/L	6	30	35-135
Acetophenone	50.0	37.8	75.6	40.7	81.4	ug/L	7	30	49-102
Caprolactam	50.0	3.75	7.50*	5.61	11.2	ug/L	40*	30	10-86
Benzaldehyde	50.0	78.5	157.	91.9	184.	ug/L	16	30	10-189
2,3,4,6-Tetrachlorophenol	100.	82.6	82.6	93.8	93.8	ug/L	13	30	49-119
4-Bromophenyl-Phenylether	50.0	47.1	94.2	51.3	103.	ug/L	8	30	50-115
4-Chlorophenyl-Phenylether	50.0	45.7	91.4	51.1	102.	ug/L	11	30	50-110
4-Nitrophenol	100.	34.1	34.1	46.5	46.5	ug/L	31*	30	0-125
Acenaphthene	50.0	43.3	86.6	47.7	95.4	ug/L	10	30	45-110
Acenaphthylene	50.0	42.1	84.2	45.7	91.4	ug/L	8	30	50-105
Anthracene	50.0	48.2	96.4	52.1	104.	ug/L	8	30	67-112
Fluorene	50.0	46.6	93.2	51.8	104.	ug/L	10	30	50-110
Fluoranthene	50.0	40.3	80.6	42.3	84.6	ug/L	5	30	55-115
Benzo(g,h,i)perylene	50.0	43.2	86.4	43.6	87.2	ug/L	1	30	40-125
Benzo(k)fluoranthene	50.0	51.9	104.	52.2	104.	ug/L	0	30	45-125
Bis(2-Chloroethoxy)Methane	50.0	33.3	66.6	36.4	72.8	ug/L	9	30	45-105
2-Fluorophenol			41.7		50.4				20-110
Phenol-D6			26.8		35.8				10-115
Nitrobenzene-d5			70.9		75.3				40-110
2-Fluorobiphenyl			79.1		87.5				50-110

LCS/LCSD Recovery Report

LCS ID: WG145380-2
LCSD ID: WG145380-3
Project:
SDG: WE53-7
Report Date: 16-JUL-14
LCS File ID: U6241.D

Received Date:
Extract Date: 25-JUN-14
Extracted By: AM
Extraction Method: SW846 3510
Lab Prep Batch: WG145380
LCSD File ID: U6242.D

Analysis Date: 01-JUL-14
Analyst: JCG
Analysis Method: SW846 8270D
Matrix: AQ
% Solids: NA

2,4,6-Tribromophenol	83.4	95.3	40-125
Terphenyl-d14	111.	122.	50-135

LCS/LCSD Recovery Report

LCS ID: WG145380-2
LCSD ID: WG145380-3
Project:
SDG: WE53-7
Report Date: 16-JUL-14
LCS File ID: U6241.D

Received Date:
Extract Date: 25-JUN-14
Extracted By: AM
Extraction Method: SW846 3510
Lab Prep Batch: WG145380
LCSD File ID: U6242.D

Analysis Date: 01-JUL-14
Analyst: JCG
Analysis Method: SW846 8270D
Matrix: AQ
% Solids: NA

Compound	Spike Amt	LCS Conc	LCS Rec (%)	LCSD Conc	LCSD Rec (%)	Conc Units	RPD (%)	RPD Limit	Limits
2-Nitrophenol	100.	70.6	70.6	76.8	76.8	ug/L	8	30	40-115
2,4-Dimethylphenol	100.	66.5	66.5	72.7	72.7	ug/L	9	30	30-110
Bis(2-Chloroethoxy)Methane	50.0	33.3	66.6	36.4	72.8	ug/L	9	30	45-105
2,4-Dichlorophenol	100.	72.4	72.4	76.7	76.7	ug/L	6	30	50-105
Caprolactam	50.0	3.75	7.50*	5.61	11.2	ug/L	40*	30	10-86
4-Chloro-3-Methylphenol	100.	79.0	79.0	89.9	89.9	ug/L	13	30	45-110
2-Methylnaphthalene	50.0	35.8	71.6	38.8	77.6	ug/L	8	30	45-105
2,4,5-Trichlorophenol	100.	78.7	78.7	88.7	88.7	ug/L	12	30	50-110
2-Nitroaniline	50.0	37.1	74.2	42.6	85.2	ug/L	14	30	50-115
Dimethyl Phthalate	50.0	39.2	78.4	43.6	87.2	ug/L	11	30	25-125
3-Nitroaniline	50.0	33.4	66.8	38.1	76.2	ug/L	13	30	20-125
4-Nitrophenol	100.	34.1	34.1	46.5	46.5	ug/L	31*	30	0-125
Dibenzofuran	50.0	43.4	86.8	48.0	96.0	ug/L	10	30	55-105
Diethylphthalate	50.0	47.1	94.2	51.2	102.	ug/L	8	30	40-120
4-Chlorophenyl-Phenylether	50.0	45.7	91.4	51.1	102.	ug/L	11	30	50-110
4-Bromophenyl-Phenylether	50.0	47.1	94.2	51.3	103.	ug/L	8	30	50-115
Carbazole	50.0	43.8	87.6	46.4	92.8	ug/L	6	30	50-115
Bis(2-Ethylhexyl)Phthalate	50.0	51.2	102.	54.3	109.	ug/L	6	30	40-125
Di-N-Octylphthalate	50.0	50.2	100.	53.1	106.	ug/L	6	30	35-135
Acenaphthylene	50.0	42.1	84.2	45.7	91.4	ug/L	8	30	50-105
Anthracene	50.0	48.2	96.4	52.1	104.	ug/L	8	30	55-110
Benzaldehyde	50.0	78.5	157.	91.9	184.	ug/L	16	30	10-189
Benzo(g,h,i)perylene	50.0	43.2	86.4	43.6	87.2	ug/L	1	30	40-125
Benzo(k)fluoranthene	50.0	51.9	104.	52.2	104.	ug/L	0	30	45-125
Chrysene	50.0	51.5	103.	54.5	109.	ug/L	6	30	55-110
Dibenzo(a,h)anthracene	50.0	37.2	74.4	39.2	78.4	ug/L	5	30	40-125
Fluoranthene	50.0	40.3	80.6	42.3	84.6	ug/L	5	30	55-115
Fluorene	50.0	46.6	93.2	51.8	104.	ug/L	10	30	50-110
Hexachlorocyclopentadiene	50.0	22.7	45.4	25.2	50.4	ug/L	10	30	23-70
Phenanthrene	50.0	48.4	96.8	51.6	103.	ug/L	6	30	50-115
Phenol	100.	27.6	27.6	36.8	36.8	ug/L	28	30	0-115
Pyrene	50.0	63.9	128.	68.3	137.*	ug/L	7	30	50-130
Isophorone	50.0	42.9	85.8	47.1	94.2	ug/L	9	30	50-110
2-Fluorophenol			41.7		50.4				20-110

LCS/LCSD Recovery Report

LCS ID: WG145380-2
LCSD ID: WG145380-3
Project:
SDG: WE53-7
Report Date: 16-JUL-14
LCS File ID: U6241.D

Received Date:
Extract Date: 25-JUN-14
Extracted By: AM
Extraction Method: SW846 3510
Lab Prep Batch: WG145380
LCSD File ID: U6242.D

Analysis Date: 01-JUL-14
Analyst: JCG
Analysis Method: SW846 8270D
Matrix: AQ
% Solids: NA

Phenol-d6	26.8	35.8	10-115
Nitrobenzene-d5	70.9	75.3	40-110
2-Fluorobiphenyl	79.1	87.5	50-110
2,4,6-Tribromophenol	83.4	95.3	40-125
Terphenyl-d14	111.	122.	50-135

Data File: \\target_server\gg\chem\gcms-u.i\U070114.b\U6241.D
Report Date: 15-Jul-2014 15:29

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-u.i\U070114.b\U6241.D
Lab Smp Id: WG145380-2 Client Smp ID: WG145380-LCS
Inj Date : 01-JUL-2014 20:50 MS Autotune Date: 26-OCT-2013 10:51
Operator : JCG Inst ID: gcms-u.i
Smp Info : WG145380-2,WE53-7
Misc Info : WG145731,WG145380,WG145667-4,SH4521-2
Comment :
Method : \\target_server\gg\chem\gcms-u.i\U070114.b\U8270C59.m
Meth Date : 15-Jul-2014 15:28 gcms-u.i Quant Type: ISTD
Cal Date : 30-JUN-2014 13:49 Cal File: U6205.D
Als bottle: 12 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all_DOD.sub
Target Version: 4.12

Concentration Formula: Amt * DF * Uf*(Vt/Vo*Vi)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG						CONCENTRATIONS		REVIEW CODE
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/L)	
1 1,4-Dioxane	58			3.069	3.068	(0.271)	48760	18.6062	18.6 (R)	
2 N-Nitrosodimethylamine	42			3.525	3.524	(0.414)	71982	16.9242	16.9	
7 Methyl Methanesulfonate	80			5.615	5.625	(0.659)	270386	41.8448	41.8	
\$ 8 2-Fluorophenol	112			5.978	5.987	(0.701)	393333	41.7234	41.7	
10 Ethyl Methanesulfonate	79			7.033	7.032	(0.825)	552283	68.7836	68.8	
11 Benzaldehyde	77			7.603	7.612	(0.892)	88837	78.4723	78.5 (R)	
12 Aniline	93			7.861	7.860	(0.922)	286990	18.4210	18.4 (aR)	
16 Bis(2-Chloroethyl)ether	93			8.048	8.047	(0.944)	357013	36.8110	36.8	
\$ 13 Phenol-D6	99			7.913	7.933	(0.928)	308945	26.7502	26.8	
15 Phenol	94			7.944	7.954	(0.932)	332130	27.5556	27.6	
17 2-Chlorophenol	128			8.099	8.109	(0.950)	650699	65.5728	65.6	
18 1,3-Dichlorobenzene	146			8.400	8.399	(0.985)	275645	25.3338	25.3	
* 19 1,4-Dichlorobenzene-D4	152			8.524	8.523	(1.000)	330328	40.0000		
20 1,4-Dichlorobenzene	146			8.555	8.564	(1.004)	279640	25.3503	25.4	
21 1,2-Dichlorobenzene	146			8.876	8.875	(1.041)	278938	26.3679	26.4	
22 Benzyl alcohol	108			8.907	8.916	(1.045)	188237	28.7984	28.8	
24 Bis(2-Chloroisopropyl)ether	45			9.228	9.237	(1.083)	285171	24.3102	24.3 (Q)	
25 2,2'-Oxybis(1-chloropropane)	45			9.228	9.237	(1.083)	285171	24.3358	24.3 (Q)	
23 2-Methylphenol	108			9.217	9.227	(1.081)	522245	56.8593	56.8	
27 Acetophenone	105			9.445	9.444	(0.833)	481340	37.7834	37.8	
32 Hexachloroethane	117			9.600	9.599	(1.126)	100321	23.0137	23.0	

Data File: \\target_server\gg\chem\gcms-u.i\U070114.b\U6241.D
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Compounds	QUANT SIG				RESPONSE	CONCENTRATIONS		REVIEW CODE
	MASS	RT	EXP RT	REL RT		ON-COLUMN (ug/ml)	FINAL (ug/L)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
30 N-Nitroso-di-n-propylamine	70	9.517	9.527 (1.117)		274020	38.6277	38.6	
31 3&4-Methylphenol	108	9.569	9.599 (1.123)		516566	55.0003	55.0	
\$ 33 Nitrobenzene-D5	82	9.735	9.744 (0.859)		367647	35.4589	35.4	
34 Nitrobenzene	77	9.776	9.785 (0.862)		369531	36.6250	36.6	
36 Isophorone	82	10.387	10.365 (0.916)		842759	42.8707	42.9	
37 2-Nitrophenol	139	10.511	10.510 (0.927)		387839	70.6107	70.6	
38 2,4-Dimethylphenol	107	10.759	10.758 (0.949)		652002	66.4649	66.5	
40 Bis(2-Chloroethoxy)methane	93	10.935	10.945 (0.964)		456543	33.2872	33.3	
41 2,4-Dichlorophenol	162	11.091	11.100 (0.978)		616022	72.4001	72.4	
43 1,2,4-Trichlorobenzene	180	11.236	11.245 (0.991)		258837	30.8527	30.8	
* 44 Naphthalene-D8	136	11.339	11.338 (1.000)		1303089	40.0000		
45 Naphthalene	128	11.380	11.379 (1.004)		873312	34.5560	34.6	
47 2,6-Dichlorophenol	162	11.598	11.607 (1.023)		584769	78.7098	78.7	
46 4-Chloroaniline	127	11.587	11.597 (1.022)		364254	35.0283	35.0	
50 Hexachlorobutadiene	225	11.774	11.773 (1.038)		128727	25.4114	25.4	
52 Caprolactam	113	12.540	12.487 (1.106)		10451	3.75263	3.75 (aQR)	
56 2-Methylnaphthalene	142	13.016	13.015 (1.148)		658874	35.8430	35.8	
54 4-Chloro-3-Methylphenol	107	12.850	12.870 (1.133)		636561	79.0514	79.0	
57 1-Methylnaphthalene	142	13.233	13.232 (1.167)		635533	37.0565	37.0	
59 1,2,4,5-Tetrachlorobenzene	216	13.430	13.429 (0.870)		306601	36.4176	36.4	
60 Hexachlorocyclopentadiene	237	13.440	13.449 (0.871)		140098	22.7396	22.7	
61 2,4,6-Trichlorophenol	196	13.751	13.750 (0.891)		481235	76.1660	76.2	
\$ 63 2-Fluorobiphenyl	172	13.947	13.957 (0.903)		780596	39.5398	39.5	
62 2,4,5-Trichlorophenol	196	13.823	13.843 (0.895)		526034	78.6966	78.7	
65 2-Chloronaphthalene	162	14.134	14.133 (0.916)		655047	25.8188	25.8	
66 1,1'-Biphenyl	154	14.154	14.153 (0.917)		779607	41.0835	41.1	
69 2-Nitroaniline	65	14.454	14.464 (0.936)		208789	37.1125	37.1	
75 Acenaphthylene	152	15.086	15.095 (0.977)		1122056	42.0612	42.1	
73 Dimethyl Phthalate	163	15.003	15.002 (0.972)		788872	39.1749	39.2	
74 2,6-Dinitrotoluene	165	15.065	15.074 (0.976)		220381	48.9683	49.0	
* 78 Acenaphthene-D10	164	15.438	15.447 (1.000)		733977	40.0000		
79 Acenaphthene	153	15.521	15.519 (1.005)		711570	43.3157	43.3	
77 3-Nitroaniline	138	15.438	15.447 (1.000)		151219	33.4284	33.4	
80 2,4-Dinitrophenol	184	15.686	15.706 (1.016)		193920	77.0730	77.1	
82 Dibenzofuran	168	15.935	15.944 (1.032)		1041906	43.4255	43.4	
84 2,4-Dinitrotoluene	165	16.007	16.027 (1.037)		279130	48.7628	48.8	
83 4-Nitrophenol	139	15.997	16.027 (1.036)		109215	34.1341	34.1	
87 2,3,4,6-Tetrachlorophenol	232	16.297	16.306 (1.056)		409376	82.5623	82.6	
90 Fluorene	166	16.742	16.751 (1.084)		909562	46.6300	46.6	
89 Diethylphthalate	149	16.700	16.699 (1.082)		916792	47.1360	47.1	
91 4-Chlorophenyl-phenylether	204	16.835	16.834 (1.091)		423730	45.7173	45.7	
94 4-Nitroaniline	138	16.887	16.906 (1.094)		146629	39.2474	39.2 (Q)	
95 4,6-Dinitro-2-Methylphenol	198	16.980	16.979 (0.897)		291627	88.9282	88.9	
96 N-Nitrosodiphenylamine	169	17.135	17.144 (0.905)		642957	41.1677	41.2	
97 N-Nitrosodiphenylamine/DPA	169	17.135	17.144 (0.905)		642957	41.1677	41.2	
98 1,2-Diphenylhydrazine	77	17.197	17.207 (0.908)		958125	48.1414	48.1	
99 Azobenzene	77	17.197	17.207 (0.908)		958125	48.2185	48.2	
\$ 100 2,4,6-Tribromophenol	330	17.332	17.331 (1.123)		258925	83.4366	83.4	
105 4-Bromophenyl-phenylether	248	17.974	17.983 (0.949)		253410	47.1006	47.1	
107 Hexachlorobenzene	284	18.067	18.066 (0.954)		290793	46.0064	46.0	
109 Atrazine	200	18.532	18.531 (0.979)		207145	49.8588	49.8	
110 Pentachlorophenol	266	18.574	18.583 (0.981)		320290	88.6587	88.6	
* 114 Phenanthrene-D10	188	18.936	18.945 (1.000)		1048497	40.0000		
115 Phenanthrene	178	18.998	18.997 (1.003)		1158899	48.3701	48.4	

Data File: \\target_server\gg\chem\gcms-u.i\U070114.b\U6241.D
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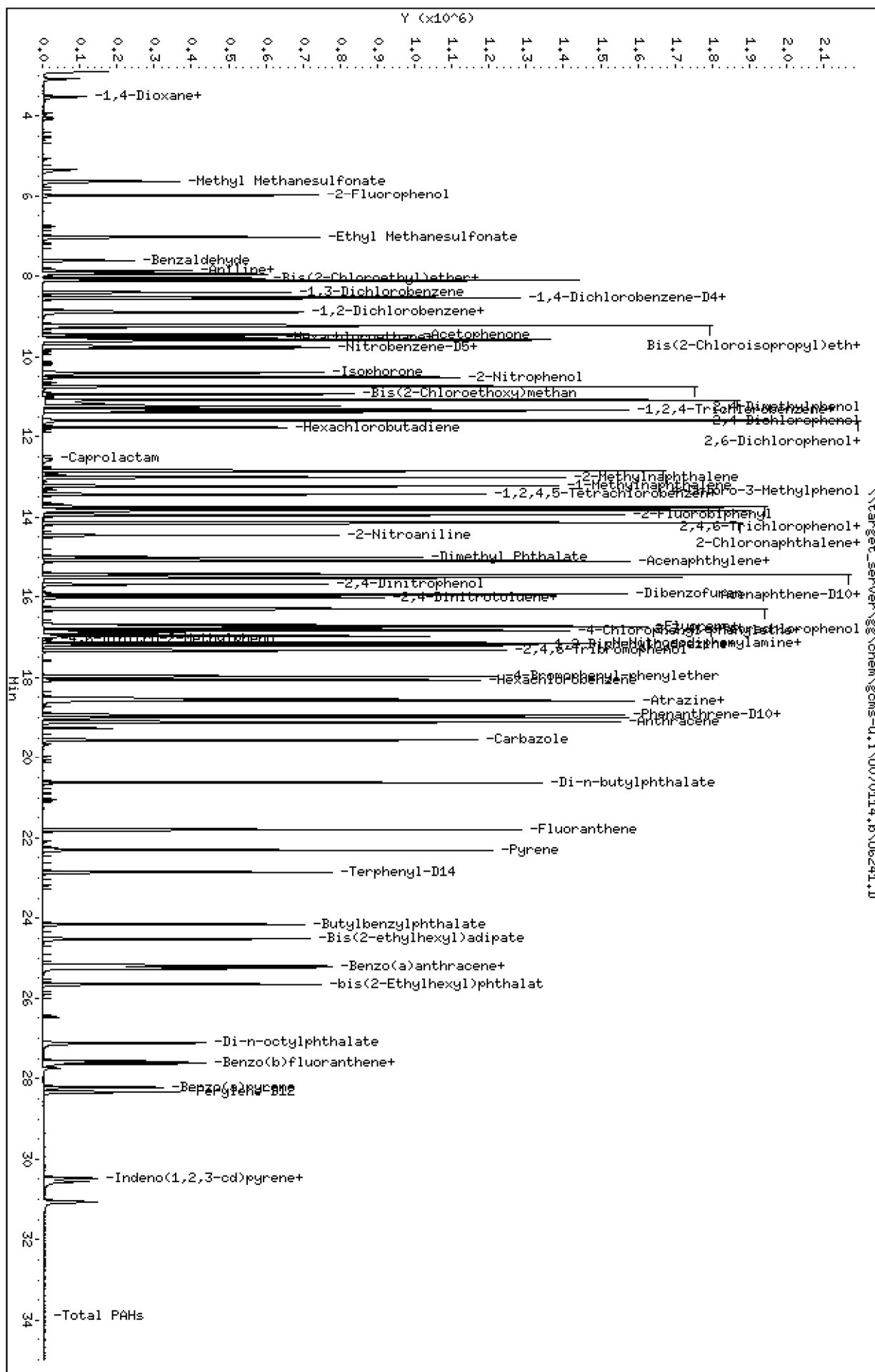
Compounds	QUANT SIG			REL RT	RESPONSE	CONCENTRATIONS		REVIEW CODE
	MASS	RT	EXP RT			ON-COLUMN (ug/ml)	FINAL (ug/L)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
116 Anthracene	178	19.112	19.111	(1.009)	1113575	48.2468	48.2	
119 Carbazole	167	19.557	19.556	(1.033)	886370	43.8568	43.8	
121 Di-n-butylphthalate	149	20.634	20.632	(1.090)	1367208	48.3164	48.3	
126 Fluoranthene	202	21.803	21.802	(1.151)	905026	40.3124	40.3	
128 Pyrene	202	22.310	22.309	(0.885)	893833	63.9494	63.9	
\$ 129 Terphenyl-D14	244	22.848	22.858	(0.906)	499909	55.3641	55.4	
135 Butylbenzylphthalate	149	24.153	24.151	(0.958)	314226	51.5073	51.5	
136 Bis(2-ethylhexyl) adipate	129	24.515	24.514	(0.972)	256889	47.2273	47.2	
139 Benzo(a)anthracene	228	25.188	25.186	(0.999)	445288	45.6437	45.6	
* 140 Chrysene-D12	240	25.208	25.218	(1.000)	420875	40.0000		
142 Chrysene	228	25.270	25.269	(1.002)	451240	51.4667	51.5	
141 3,3'-Dichlorobenzidine	252	25.250	25.249	(1.002)	169818	60.9858	61.0	
143 bis(2-Ethylhexyl)phthalate	149	25.653	25.652	(1.018)	429086	51.2033	51.2	
144 Di-n-octylphthalate	149	27.113	27.112	(0.957)	560724	50.1793	50.2	
145 Benzo(b)fluoranthene	252	27.578	27.577	(0.973)	302112	45.0519	45.0	
147 Benzo(k)fluoranthene	252	27.630	27.639	(0.975)	358934	51.8792	51.9 (H)	
148 Benzo(a)pyrene	252	28.220	28.219	(0.996)	259419	44.4905	44.5	
* 149 Perylene-D12	264	28.334	28.333	(1.000)	268197	40.0000		
153 Indeno(1,2,3-cd)pyrene	276	30.476	30.475	(1.076)	144914	38.0069	38.0	
154 Dibenzo(a,h)anthracene	278	30.559	30.558	(1.079)	142053	37.2298	37.2	
155 Benzo(g,h,i)perylene	276	31.066	31.065	(1.096)	175521	43.2213	43.2	
M 156 Total PAHs	100				11261721	797.331	797	

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.
- R - Spike/Surrogate failed recovery limits.
- H - Operator selected an alternate compound hit.

Data File: \\target_server\gs\chem\goms-u,i\U070114,b\U6241.D
 Date : 01-JUL-2014 20:50
 Client ID: M0145380-LCS
 Sample Info: M0145380-2,ME53-7
 Volume Injected (uL): 1.0
 Column phase: ZB5-HS

Instrument: goms-u,i
 Operator: JCG
 Column diameter: 0.25



Data File: \\target_server\gg\chem\gcms-u.i\U070114.b\U6242.D
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Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-u.i\U070114.b\U6242.D
Lab Smp Id: WG145380-3 Client Smp ID: WG145380-LCSD
Inj Date : 01-JUL-2014 21:33 MS Autotune Date: 26-OCT-2013 10:51
Operator : JCG Inst ID: gcms-u.i
Smp Info : WG145380-3,WE53-7
Misc Info : WG145731,WG145380,WG145667-4,SH4521-2
Comment :
Method : \\target_server\gg\chem\gcms-u.i\U070114.b\U8270C59.m
Meth Date : 15-Jul-2014 15:28 gcms-u.i Quant Type: ISTD
Cal Date : 30-JUN-2014 13:49 Cal File: U6205.D
Als bottle: 13 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all_DOD.sub
Target Version: 4.12

Concentration Formula: Amt * DF * Uf*(Vt/Vo*Vi)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	0.00100	Final Volume (L)
Vo	1.000	Sample Volume (L)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG						CONCENTRATIONS		REVIEW CODE
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/L)	
1 1,4-Dioxane	58			3.072	3.068	(0.271)	55287	20.7889	20.8	
3 Pyridine	79			3.610	3.555	(0.423)	19548	1.78420	1.78 (aR)	
2 N-Nitrosodimethylamine	42			3.517	3.524	(0.413)	80117	18.8421	18.8	
7 Methyl Methanesulfonate	80			5.618	5.625	(0.659)	312001	48.2988	48.3	
\$ 8 2-Fluorophenol	112			5.980	5.987	(0.701)	474965	50.3969	50.4	
10 Ethyl Methanesulfonate	79			7.036	7.032	(0.825)	609711	75.9573	76.0	
11 Benzaldehyde	77			7.605	7.612	(0.892)	103965	91.8612	91.9 (R)	
12 Aniline	93			7.854	7.860	(0.921)	288657	18.5332	18.5 (aR)	
16 Bis(2-Chloroethyl)ether	93			8.040	8.047	(0.943)	382984	39.5000	39.5	
\$ 13 Phenol-D6	99			7.916	7.933	(0.928)	413711	35.8316	35.8	
15 Phenol	94			7.947	7.954	(0.932)	442861	36.7528	36.8	
17 2-Chlorophenol	128			8.102	8.109	(0.950)	701718	70.7340	70.7	
18 1,3-Dichlorobenzene	146			8.402	8.399	(0.985)	292855	26.9231	26.9	
* 19 1,4-Dichlorobenzene-D4	152			8.527	8.523	(1.000)	330235	40.0000		
20 1,4-Dichlorobenzene	146			8.558	8.564	(1.004)	305723	27.7226	27.7	
21 1,2-Dichlorobenzene	146			8.879	8.875	(1.041)	297839	28.1625	28.2	
22 Benzyl alcohol	108			8.910	8.916	(1.045)	214516	32.8281	32.8	
24 Bis(2-Chloroisopropyl)ether	45			9.230	9.237	(1.083)	305543	26.0542	26.0 (Q)	
25 2,2'-Oxybis(1-chloropropane)	45			9.230	9.237	(1.083)	305543	26.0816	26.1 (Q)	
23 2-Methylphenol	108			9.220	9.227	(1.081)	603147	65.6859	65.7	
27 Acetophenone	105			9.448	9.444	(0.834)	526662	40.7377	40.7	

Data File: \\target_server\gg\chem\gcms-u.i\U070114.b\U6242.D
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						CONCENTRATIONS			
		QUANT	SIG				ON-COLUMN	FINAL	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/L)	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
32 Hexachloroethane	117	9.603	9.599	(1.126)	107217	24.6026	24.6		
30 N-Nitroso-di-n-propylamine	70	9.520	9.527	(1.117)	305843	43.1259	43.1		
31 3&4-Methylphenol	108	9.582	9.599	(1.124)	617242	65.7381	65.7		
\$ 33 Nitrobenzene-D5	82	9.738	9.744	(0.859)	396309	37.6656	37.7		
34 Nitrobenzene	77	9.779	9.785	(0.863)	403168	39.3757	39.4		
36 Isophorone	82	10.400	10.365	(0.918)	939610	47.1000	47.1		
37 2-Nitrophenol	139	10.514	10.510	(0.928)	427972	76.7804	76.8		
38 2,4-Dimethylphenol	107	10.752	10.758	(0.949)	723732	72.7005	72.7		
40 Bis (2-Chloroethoxy)methane	93	10.938	10.945	(0.965)	507389	36.4546	36.4		
41 2,4-Dichlorophenol	162	11.093	11.100	(0.979)	662693	76.7488	76.7		
43 1,2,4-Trichlorobenzene	180	11.238	11.245	(0.992)	280734	32.9744	33.0		
* 44 Naphthalene-D8	136	11.332	11.338	(1.000)	1322385	40.0000			
42 Benzoic acid	122	11.166	11.141	(0.985)	122377	27.2654	27.3		
45 Naphthalene	128	11.383	11.379	(1.005)	955554	37.2585	37.2		
47 2,6-Dichlorophenol	162	11.601	11.607	(1.024)	640826	84.9965	85.0		
46 4-Chloroaniline	127	11.590	11.597	(1.023)	394588	37.3916	37.4		
50 Hexachlorobutadiene	225	11.766	11.773	(1.038)	143010	27.8190	27.8		
52 Caprolactam	113	12.542	12.487	(1.107)	15844	5.60607	5.61 (aQR)		
56 2-Methylnaphthalene	142	13.008	13.015	(1.148)	724627	38.8447	38.8		
54 4-Chloro-3-Methylphenol	107	12.853	12.870	(1.134)	734998	89.9440	89.9		
57 1-Methylnaphthalene	142	13.236	13.232	(1.168)	693477	39.8450	39.8		
59 1,2,4,5-Tetrachlorobenzene	216	13.433	13.429	(0.870)	341802	40.6817	40.7		
60 Hexachlorocyclopentadiene	237	13.443	13.449	(0.871)	154732	25.1662	25.2		
61 2,4,6-Trichlorophenol	196	13.743	13.750	(0.890)	538008	85.3256	85.3		
\$ 63 2-Fluorobiphenyl	172	13.950	13.957	(0.903)	861852	43.7449	43.7		
62 2,4,5-Trichlorophenol	196	13.826	13.843	(0.895)	591533	88.6763	88.7		
65 2-Chloronaphthalene	162	14.136	14.133	(0.916)	720185	28.4442	28.4		
66 1,1'-Biphenyl	154	14.147	14.153	(0.916)	855764	45.1890	45.2		
69 2-Nitroaniline	65	14.457	14.464	(0.936)	238972	42.5644	42.6		
75 Acenaphthylene	152	15.089	15.095	(0.977)	1216481	45.6940	45.7		
73 Dimethyl Phthalate	163	14.995	15.002	(0.971)	877083	43.6444	43.6		
74 2,6-Dinitrotoluene	165	15.068	15.074	(0.976)	245906	54.7516	54.8		
* 78 Acenaphthene-D10	164	15.441	15.447	(1.000)	732480	40.0000			
79 Acenaphthene	153	15.523	15.519	(1.005)	782102	47.7065	47.7		
77 3-Nitroaniline	138	15.441	15.447	(1.000)	172011	38.1024	38.1		
80 2,4-Dinitrophenol	184	15.689	15.706	(1.016)	253489	100.954	101		
82 Dibenzofuran	168	15.937	15.944	(1.032)	1149280	47.9986	48.0		
84 2,4-Dinitrotoluene	165	16.010	16.027	(1.037)	307785	53.8786	53.9		
83 4-Nitrophenol	139	15.999	16.027	(1.036)	148466	46.4965	46.5		
87 2,3,4,6-Tetrachlorophenol	232	16.300	16.306	(1.056)	464443	93.8595	93.8		
90 Fluorene	166	16.745	16.751	(1.084)	1009161	51.8419	51.8		
89 Diethylphthalate	149	16.703	16.699	(1.082)	994367	51.2289	51.2		
91 4-Chlorophenyl-phenylether	204	16.838	16.834	(1.090)	472584	51.0925	51.1		
94 4-Nitroaniline	138	16.890	16.906	(1.094)	176177	47.2528	47.2 (Q)		
95 4,6-Dinitro-2-Methylphenol	198	16.983	16.979	(0.897)	336146	98.1427	98.1		
96 N-Nitrosodiphenylamine	169	17.138	17.144	(0.905)	712418	43.6745	43.7		
97 N-Nitrosodiphenylamine/DPA	169	17.138	17.144	(0.905)	712418	43.6745	43.7		
98 1,2-Diphenylhydrazine	77	17.200	17.207	(0.908)	1081914	52.0484	52.0		
99 Azobenzene	77	17.200	17.207	(0.908)	1081914	52.1318	52.1		
\$ 100 2,4,6-Tribromophenol	330	17.335	17.331	(1.123)	295125	95.2962	95.3		
105 4-Bromophenyl-phenylether	248	17.976	17.983	(0.949)	288111	51.2721	51.3		
107 Hexachlorobenzene	284	18.069	18.066	(0.954)	325383	49.2888	49.3		
109 Atrazine	200	18.535	18.531	(0.979)	231213	55.3349	55.3		
110 Pentachlorophenol	266	18.577	18.583	(0.981)	355098	94.1119	94.1		

Compounds	QUANT SIG			REL RT	RESPONSE	CONCENTRATIONS		REVIEW CODE
	MASS	RT	EXP RT			ON-COLUMN (ug/ml)	FINAL (ug/L)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
* 114 Phenanthrene-D10	188	18.939	18.945	(1.000)	1095087	40.0000		
115 Phenanthrene	178	18.991	18.997	(1.003)	1291680	51.6185	51.6	
116 Anthracene	178	19.115	19.111	(1.009)	1256107	52.1068	52.1	
119 Carbazole	167	19.560	19.556	(1.033)	979784	46.4163	46.4	
121 Di-n-butylphthalate	149	20.626	20.632	(1.089)	1478693	50.0330	50.0	
126 Fluoranthene	202	21.806	21.802	(1.151)	991139	42.2698	42.3	
128 Pyrene	202	22.313	22.309	(0.885)	977231	68.3110	68.3 (R)	
\$ 129 Terphenyl-D14	244	22.851	22.858	(0.906)	563938	61.0214	61.0	
135 Butylbenzylphthalate	149	24.155	24.151	(0.958)	347142	55.5965	55.6	
136 Bis(2-ethylhexyl)adipate	129	24.518	24.514	(0.972)	275090	49.4124	49.4	
139 Benzo(a)anthracene	228	25.190	25.186	(0.999)	498556	49.9307	49.9	
* 140 Chrysene-D12	240	25.211	25.218	(1.000)	430764	40.0000		
142 Chrysene	228	25.263	25.269	(1.002)	488992	54.4922	54.5	
141 3,3'-Dichlorobenzidine	252	25.242	25.249	(1.001)	208070	73.0076	73.0	
143 bis(2-Ethylhexyl)phthalate	149	25.656	25.652	(1.018)	465761	54.3038	54.3	
144 Di-n-octylphthalate	149	27.115	27.112	(0.957)	629984	53.0790	53.1	
145 Benzo(b)fluoranthene	252	27.571	27.577	(0.973)	345182	48.4631	48.5	
147 Benzo(k)fluoranthene	252	27.633	27.639	(0.975)	383717	52.2165	52.2 (H)	
148 Benzo(a)pyrene	252	28.213	28.219	(0.996)	284324	45.9089	45.9	
* 149 Perylene-D12	264	28.337	28.333	(1.000)	284863	40.0000		
153 Indeno(1,2,3-cd)pyrene	276	30.479	30.475	(1.076)	160743	39.6919	39.7	
154 Dibenzo(a,h)anthracene	278	30.562	30.558	(1.079)	159085	39.2543	39.2	
155 Benzo(g,h,i)perylene	276	31.059	31.065	(1.096)	188191	43.6300	43.6	
M 156 Total PAHs	100				12406349	849.084	849	

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.
- R - Spike/Surrogate failed recovery limits.
- H - Operator selected an alternate compound hit.

Data File: \\target_server\gs\chem\goms-u,i\U070114,b\U6242.D

Date : 01-JUL-2014 21:33

Client ID: W6145380-LCSD

Sample Info: W6145380-3,ME53-7

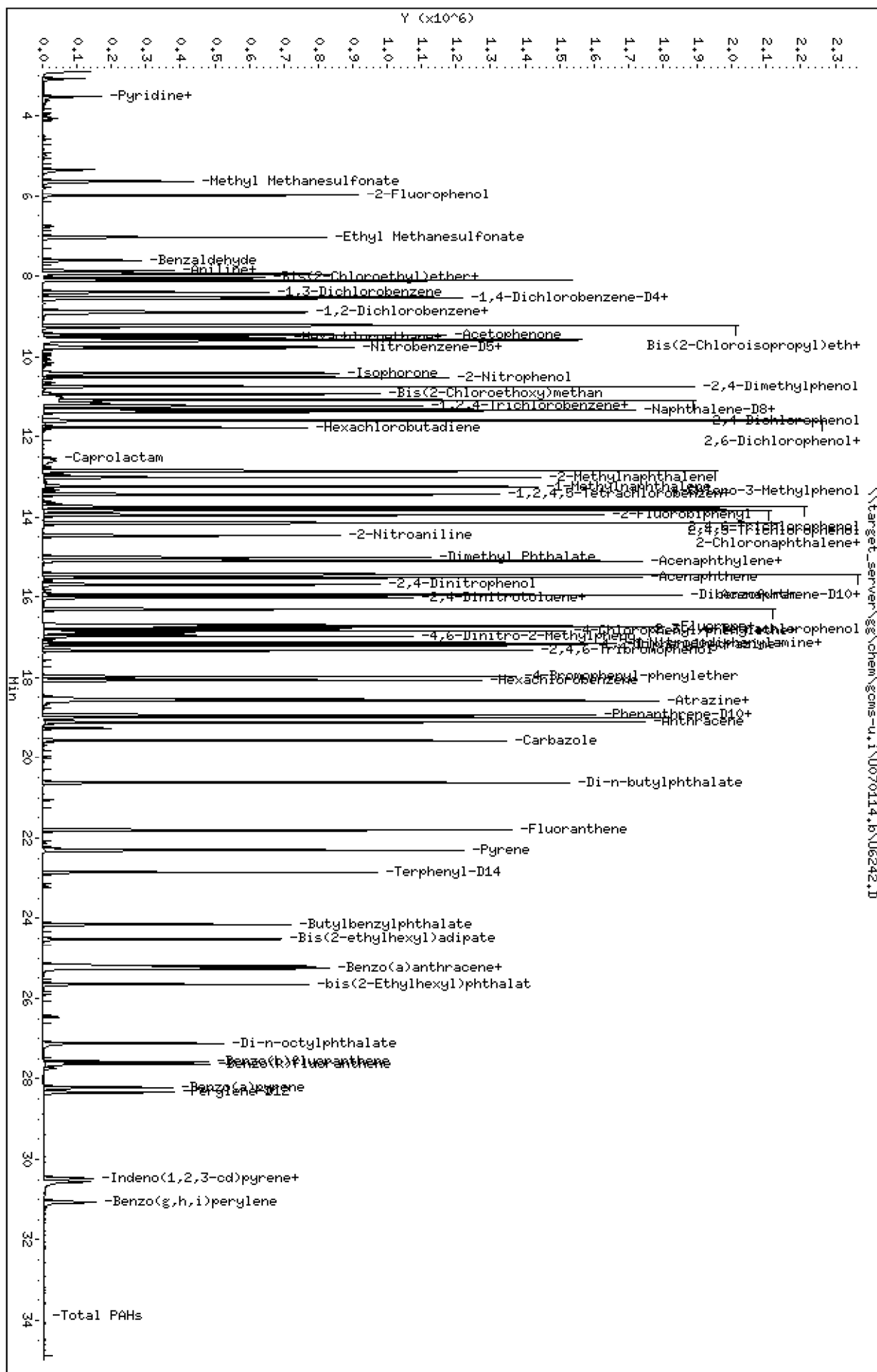
Volume Injected (uL): 1.0

Column phase: ZB5-MS

Instrument: goms-u,i

Operator: JOC

Column diameter: 0.25



MS/MSD Recovery Report

MS ID: WG145380-4
MSD ID: WG145380-5
Sample ID: SH4521-8
Client ID: FTA-MW-210-061814
Project:
SDG: WE53-7
MS File ID: U6405.D

Received Date:
Extract Date: 25-JUN-14
Extracted By: AM
Extraction Method: SW846 3510
Lab Prep Batch: WG145380
Report Date: 16-JUL-14
MSD File ID: U6406.D

Analysis Date: 12-JUL-14
Analyst: JCG
Analysis Method: SW846 8270D
Matrix: AQ
% Solids: NA

Compound	MS Spike	MSD Spike	Conc Units	Samp Conc	MS Conc	MSD Conc	MS Rec (%)	MSD Rec (%)	RPD (%)	RPD Limit	Limits
Phenol	94.3	98.0	ug/L	U7.1	27.	25.	28.9	25.8	8	30	0-115
2-Methylphenol	94.3	98.0	ug/L	UMM7.1	U7.1	7.4	0*	0*	0	30	40-110
Isophorone	47.2	49.0	ug/L	U7.1	38.	34.	80.6	70.0	10	30	50-110
2-Nitrophenol	94.3	98.0	ug/L	U7.1	66.	62.	70.5	62.7	8	30	40-115
2,4-Dimethylphenol	94.3	98.0	ug/L	U7.1	56.	50.	59.7	51.2	11	30	30-110
4-Chloro-3-Methylphenol	94.3	98.0	ug/L	U7.1	80.	75.	85.1	76.3	7	30	45-110
2,4,5-Trichlorophenol	94.3	98.0	ug/L	U18	83.	81.	88.1	82.9	2	30	50-110
2-Chloronaphthalene	47.2	49.0	ug/L	UM7.1	24.	23.	51.7	47.3*	5	30	50-105
Dimethyl Phthalate	47.2	49.0	ug/L	U7.1	40.	40.	85.2	81.4	1	30	25-125
Diethylphthalate	47.2	49.0	ug/L	U7.1	47.	47.	98.8	95.1	0	30	40-120
N-Nitrosodiphenylamine	47.2	49.0	ug/L	U7.1	35.	37.	75.0	75.3	4	30	50-110
Carbazole	47.2	49.0	ug/L	U7.1	43.	43.	91.8	87.7	1	30	50-115
Di-N-Butylphthalate	47.2	49.0	ug/L	U7.1	47.	48.	99.8	97.9	2	30	55-115
Butylbenzylphthalate	47.2	49.0	ug/L	U7.1	43.	45.	90.7	92.4	6	30	45-115
Di-N-Octylphthalate	47.2	49.0	ug/L	U7.1	36.	39.	75.9	78.7	8	30	35-135
Acetophenone	47.2	49.0	ug/L	U7.1	34.	31.	72.7	63.2	10	30	49-102
Caprolactam	47.2	49.0	ug/L	ULM7.1	5.5	4.5	11.6	9.18*	20	30	10-86
Benzaldehyde	47.2	49.0	ug/L	U7.1	21.	12.	44.1	24.9	52*	30	10-189
2,3,4,6-Tetrachlorophenol	94.3	98.0	ug/L	U7.1	82.	83.	87.1	84.9	1	30	49-119
4-Bromophenyl-Phenylether	47.2	49.0	ug/L	U7.1	42.	44.	90.1	89.4	3	30	50-115
4-Chlorophenyl-Phenylether	47.2	49.0	ug/L	U7.1	44.	43.	92.4	88.3	1	30	50-110
4-Nitrophenol	94.3	98.0	ug/L	U18	41.	41.	43.0	41.9	1	30	0-125
Acenaphthene	47.2	49.0	ug/L	U7.1	39.	39.	82.9	79.2	1	30	45-110
Acenaphthylene	47.2	49.0	ug/L	U7.1	38.	36.	79.7	73.2	5	30	50-105
Anthracene	47.2	49.0	ug/L	U7.1	45.	46.	95.0	94.8	4	30	67-112
Fluorene	47.2	49.0	ug/L	U7.1	44.	44.	93.7	88.7	2	30	50-110
Fluoranthene	47.2	49.0	ug/L	U7.1	45.	45.	95.0	91.4	0	30	55-115
Benzo(g,h,i)perylene	47.2	49.0	ug/L	U7.1	51.	54.	109.	110.	5	30	40-125
Benzo(k)fluoranthene	47.2	49.0	ug/L	U7.1	42.	44.	89.7	89.8	4	30	45-125
Bis(2-Chloroethoxy)Methane	47.2	49.0	ug/L	U7.1	29.	26.	60.6	52.8	10	30	45-105
2-Fluorophenol							42.6	36.8			20-110
Phenol-D6							28.8	25.9			10-115
Nitrobenzene-d5							67.3	59.8			40-110

MS/MSD Recovery Report

MS ID: WG145380-4
MSD ID: WG145380-5
Sample ID: SH4521-8
Client ID: FTA-MW-210-061814
Project:
SDG: WE53-7
MS File ID: U6405.D

Received Date:
Extract Date: 25-JUN-14
Extracted By: AM
Extraction Method: SW846 3510
Lab Prep Batch: WG145380
Report Date: 16-JUL-14
MSD File ID: U6406.D

Analysis Date: 12-JUL-14
Analyst: JCG
Analysis Method: SW846 8270D
Matrix: AQ
% Solids: NA

2-Fluorobiphenyl	75.2	69.8	50-110
2,4,6-Tribromophenol	95.9	92.9	40-125
Terphenyl-d14	90.4	92.5	50-135

Data File: \\target_server\gg\chem\gcms-u.i\U071214.b\U6405.D
 Report Date: 15-Jul-2014 15:40

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-u.i\U071214.b\U6405.D
 Lab Smp Id: WG145380-4 Client Smp ID: FTA-MW-210-061814MS
 Inj Date : 12-JUL-2014 12:32 MS Autotune Date: 26-OCT-2013 10:51
 Operator : JCG Inst ID: gcms-u.i
 Smp Info : WG145380-4,WE53-7
 Misc Info : WG146400,WG145380,WG145897-4,SH4521-8
 Comment :
 Method : \\target_server\gg\chem\gcms-u.i\U071214.b\U8270C60.m
 Meth Date : 12-Jul-2014 08:53 cgomez Quant Type: ISTD
 Cal Date : 03-JUL-2014 14:15 Cal File: U6272.D
 Als bottle: 8 QC Sample: MS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: tt-we53aocs.sub
 Target Version: 4.12
 Processing Host: V200T4

Concentration Formula: Amt * DF * Uf*(Vt/Vo*Vi)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	0.00100	Final Volume (L)
Vo	1.060	Sample Volume (L)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG						CONCENTRATIONS		REVIEW CODE
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/L)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 8 2-Fluorophenol	112		5.949	5.951	(0.700)		366149	42.6002	40.2	
11 Benzaldehyde	77		7.574	7.576	(0.892)		100460	22.0093	20.8	
\$ 13 Phenol-D6	99		7.895	7.896	(0.929)		275247	28.8207	27.2	
15 Phenol	94		7.926	7.927	(0.933)		303542	28.9544	27.3	
* 19 1,4-Dichlorobenzene-D4	152		8.495	8.486	(1.000)		275304	40.0000		
27 Acetophenone	105		9.427	9.408	(0.834)		439213	36.3861	34.3	
\$ 33 Nitrobenzene-D5	82		9.706	9.718	(0.859)		316097	33.6594	31.8	
36 Isophorone	82		10.358	10.339	(0.917)		702850	40.3001	38.0	
37 2-Nitrophenol	139		10.483	10.474	(0.928)		343183	70.5256	66.5	
38 2,4-Dimethylphenol	107		10.731	10.732	(0.950)		550542	59.6986	56.3	
40 Bis(2-Chloroethoxy)methane	93		10.907	10.908	(0.965)		365274	30.3445	28.6	
41 2,4-Dichlorophenol	162		11.062	11.064	(0.979)		500861	75.2529	71.0	
* 44 Naphthalene-D8	136		11.300	11.302	(1.000)		1111593	40.0000		
52 Caprolactam	113		12.532	12.471	(1.109)		14003	5.81073	5.48 (aQ)	
54 4-Chloro-3-Methylphenol	107		12.832	12.844	(1.136)		640250	85.1215	80.3	
56 2-Methylnaphthalene	142		12.987	12.989	(1.149)		563392	34.9420	33.0	
60 Hexachlorocyclopentadiene	237		13.412	13.413	(0.870)		122295	23.4219	22.1	
62 2,4,5-Trichlorophenol	196		13.805	13.817	(0.896)		462760	88.0943	83.1	
\$ 63 2-Fluorobiphenyl	172		13.919	13.920	(0.903)		591779	37.5906	35.5	
65 2-Chloronaphthalene	162		14.105	14.106	(0.915)		529164	25.8468	24.4	

Data File: \\target_server\gg\chem\gcms-u.i\U071214.b\U6405.D
 Report Date: 15-Jul-2014 15:40

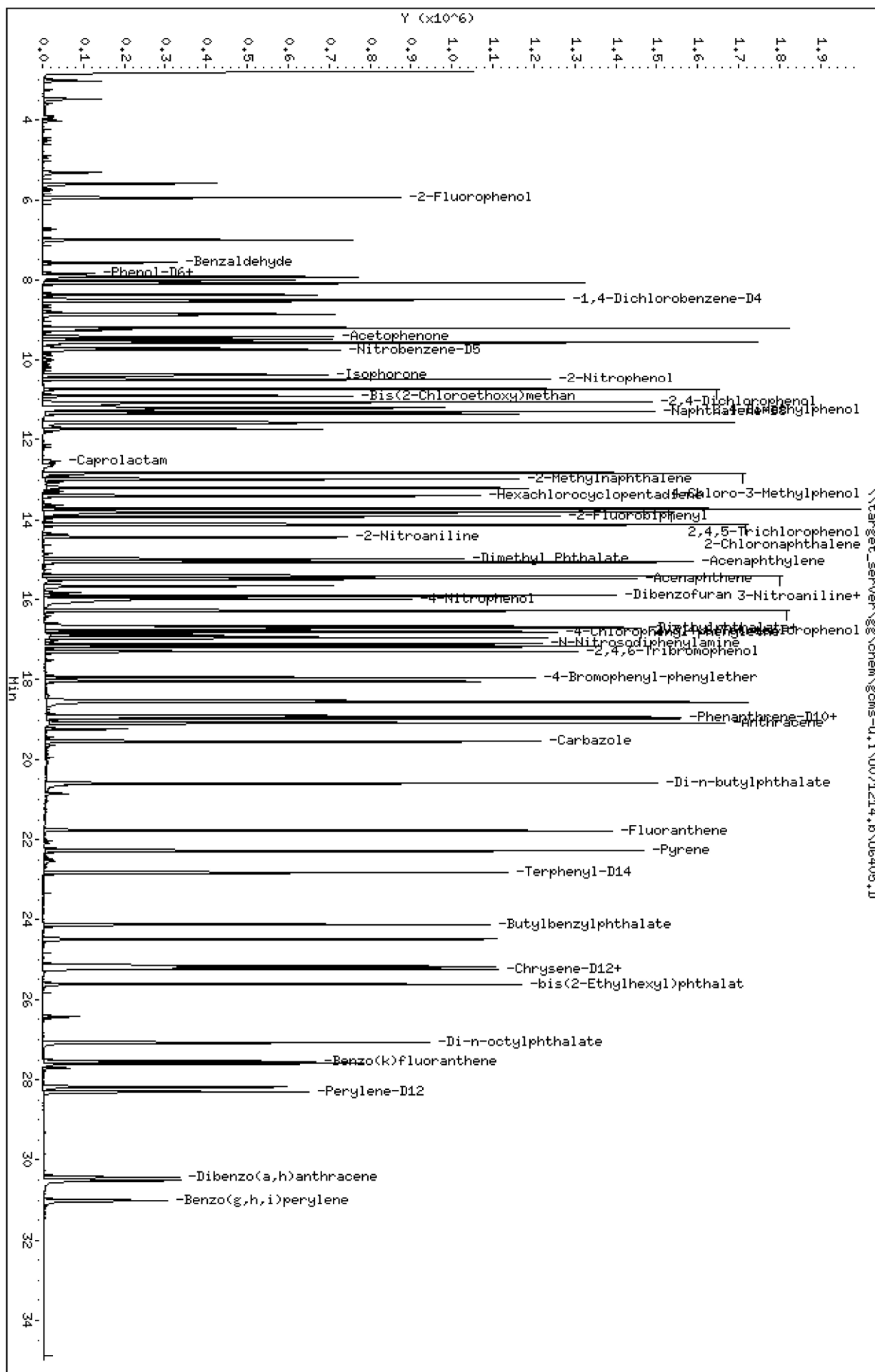
Compounds	QUANT SIG	CONCENTRATIONS						REVIEW CODE	
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN		FINAL
							(ug/ml)		(ug/L)
=====	=====	=====	=====	=====	=====	=====	=====	=====	
69 2-Nitroaniline	65	14.426	14.427	(0.936)	222007	37.3578	35.2		
73 Dimethyl Phthalate	163	14.975	14.976	(0.972)	682977	42.5757	40.2		
75 Acenaphthylene	152	15.057	15.059	(0.977)	943477	39.8539	37.6		
77 3-Nitroaniline	138	15.420	15.431	(1.001)	133763	30.5272	28.8		
* 78 Acenaphthene-D10	164	15.409	15.411	(1.000)	559861	40.0000			
79 Acenaphthene	153	15.482	15.493	(1.005)	600828	41.4555	39.1		
82 Dibenzofuran	168	15.906	15.907	(1.032)	823426	42.7403	40.3		
83 4-Nitrophenol	139	16.020	16.021	(1.040)	131901	43.0377	40.6		
87 2,3,4,6-Tetrachlorophenol	232	16.279	16.280	(1.056)	359069	87.1626	82.2		
89 Diethylphthalate	149	16.672	16.673	(1.082)	850090	49.3664	46.6		
91 4-Chlorophenyl-phenylether	204	16.806	16.808	(1.091)	338107	46.2087	43.6		
90 Fluorene	166	16.713	16.715	(1.085)	724036	46.8713	44.2		
96 N-Nitrosodiphenylamine	169	17.107	17.108	(0.905)	509873	37.5240	35.4		
\$ 100 2,4,6-Tribromophenol	330	17.303	17.305	(1.123)	265099	95.9113	90.5		
105 4-Bromophenyl-phenylether	248	17.945	17.946	(0.949)	219594	45.0725	42.5		
* 114 Phenanthrene-D10	188	18.908	18.909	(1.000)	1007827	40.0000			
115 Phenanthrene	178	18.970	18.971	(1.003)	1111594	45.6311	43.0		
116 Anthracene	178	19.084	19.085	(1.009)	1110730	47.5274	44.8		
119 Carbazole	167	19.539	19.540	(1.033)	880232	45.8740	43.3		
121 Di-n-butylphthalate	149	20.605	20.606	(1.090)	1481018	49.9612	47.1		
126 Fluoranthene	202	21.775	21.776	(1.152)	1041306	47.4482	44.8		
128 Pyrene	202	22.282	22.283	(0.885)	1074826	46.8514	44.2		
\$ 129 Terphenyl-D14	244	22.820	22.821	(0.906)	680086	45.2296	42.7		
135 Butylbenzylphthalate	149	24.124	24.125	(0.958)	476854	45.3157	42.8		
* 140 Chrysene-D12	240	25.190	25.191	(1.000)	627587	40.0000			
142 Chrysene	228	25.242	25.243	(1.002)	679398	50.6429	47.8		
143 bis(2-Ethylhexyl)phthalate	149	25.614	25.616	(1.017)	648247	45.7908	43.2		
144 Di-n-octylphthalate	149	27.074	27.075	(0.956)	926032	37.9996	35.8		
147 Benzo(k) fluoranthene	252	27.602	27.613	(0.975)	573885	44.7992	42.3 (H)		
* 149 Perylene-D12	264	28.305	28.307	(1.000)	471383	40.0000			
154 Dibenzo(a,h)anthracene	278	30.510	30.511	(1.078)	323745	54.0153	51.0		
155 Benzo(g,h,i)perylene	276	31.017	31.019	(1.096)	345481	54.4234	51.3		

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.
- H - Operator selected an alternate compound hit.

Data File: \\target_server\gs\chem\goms-u,i\U071214,b\U6405.D
 Date : 12-JUL-2014 12:32
 Client ID: FTA-HW-210-061814MS
 Sample Info: M3145380-4,ME53-7
 Volume Injected (uL): 1.0
 Column phase: ZB5-MS

Instrument: goms-u,i
 Operator: JCG
 Column diameter: 0.25



Data File: \\target_server\gg\chem\gcms-u.i\U071214.b\U6406.D
 Report Date: 15-Jul-2014 15:40

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-u.i\U071214.b\U6406.D
 Lab Smp Id: WG145380-5 Client Smp ID: FTA-MW-210-061814MS
 Inj Date : 12-JUL-2014 13:15 MS Autotune Date: 26-OCT-2013 10:51
 Operator : JCG Inst ID: gcms-u.i
 Smp Info : WG145380-5,WE53-7
 Misc Info : WG146400,WG145380,WG145897-4,SH4521-8
 Comment :
 Method : \\target_server\gg\chem\gcms-u.i\U071214.b\U8270C60.m
 Meth Date : 12-Jul-2014 08:53 cgomez Quant Type: ISTD
 Cal Date : 03-JUL-2014 14:15 Cal File: U6272.D
 Als bottle: 9 QC Sample: MSD
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: tt-we53aocs.sub
 Target Version: 4.12
 Processing Host: V200T4

Concentration Formula: Amt * DF * Uf*(Vt/Vo*Vi)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	0.00100	Final Volume (L)
Vo	1.020	Sample Volume (L)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG						CONCENTRATIONS		REVIEW CODE
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/L)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 8 2-Fluorophenol	112		5.949	5.951	(0.700)	296833	36.7895	36.1		
11 Benzaldehyde	77		7.574	7.576	(0.892)	53515	12.4895	12.2		
\$ 13 Phenol-D6	99		7.895	7.896	(0.929)	231883	25.8648	25.4		
15 Phenol	94		7.926	7.927	(0.933)	253761	25.7856	25.3		
* 19 1,4-Dichlorobenzene-D4	152		8.495	8.486	(1.000)	258437	40.0000			
27 Acetophenone	105		9.416	9.408	(0.833)	356898	31.6459	31.0		
\$ 33 Nitrobenzene-D5	82		9.706	9.718	(0.859)	262352	29.9009	29.3		
36 Isophorone	82		10.358	10.339	(0.917)	569488	34.9496	34.3		
37 2-Nitrophenol	139		10.482	10.474	(0.928)	285193	62.7297	61.5		
38 2,4-Dimethylphenol	107		10.731	10.732	(0.950)	440800	51.1598	50.2		
40 Bis(2-Chloroethoxy)methane	93		10.907	10.908	(0.965)	296781	26.3883	25.9		
41 2,4-Dichlorophenol	162		11.062	11.064	(0.979)	404310	65.0180	63.7		
* 44 Naphthalene-D8	136		11.300	11.302	(1.000)	1038562	40.0000			
52 Caprolactam	113		12.501	12.471	(1.106)	10335	4.59022	4.50 (a)		
54 4-Chloro-3-Methylphenol	107		12.832	12.844	(1.136)	536376	76.3260	74.8		
56 2-Methylnaphthalene	142		12.977	12.989	(1.148)	472621	31.3735	30.8		
60 Hexachlorocyclopentadiene	237		13.412	13.413	(0.870)	102635	21.5326	21.1		
62 2,4,5-Trichlorophenol	196		13.805	13.817	(0.896)	397830	82.9615	81.3		
\$ 63 2-Fluorobiphenyl	172		13.919	13.920	(0.903)	501923	34.9256	34.2		
65 2-Chloronaphthalene	162		14.105	14.106	(0.915)	443383	23.7237	23.2		

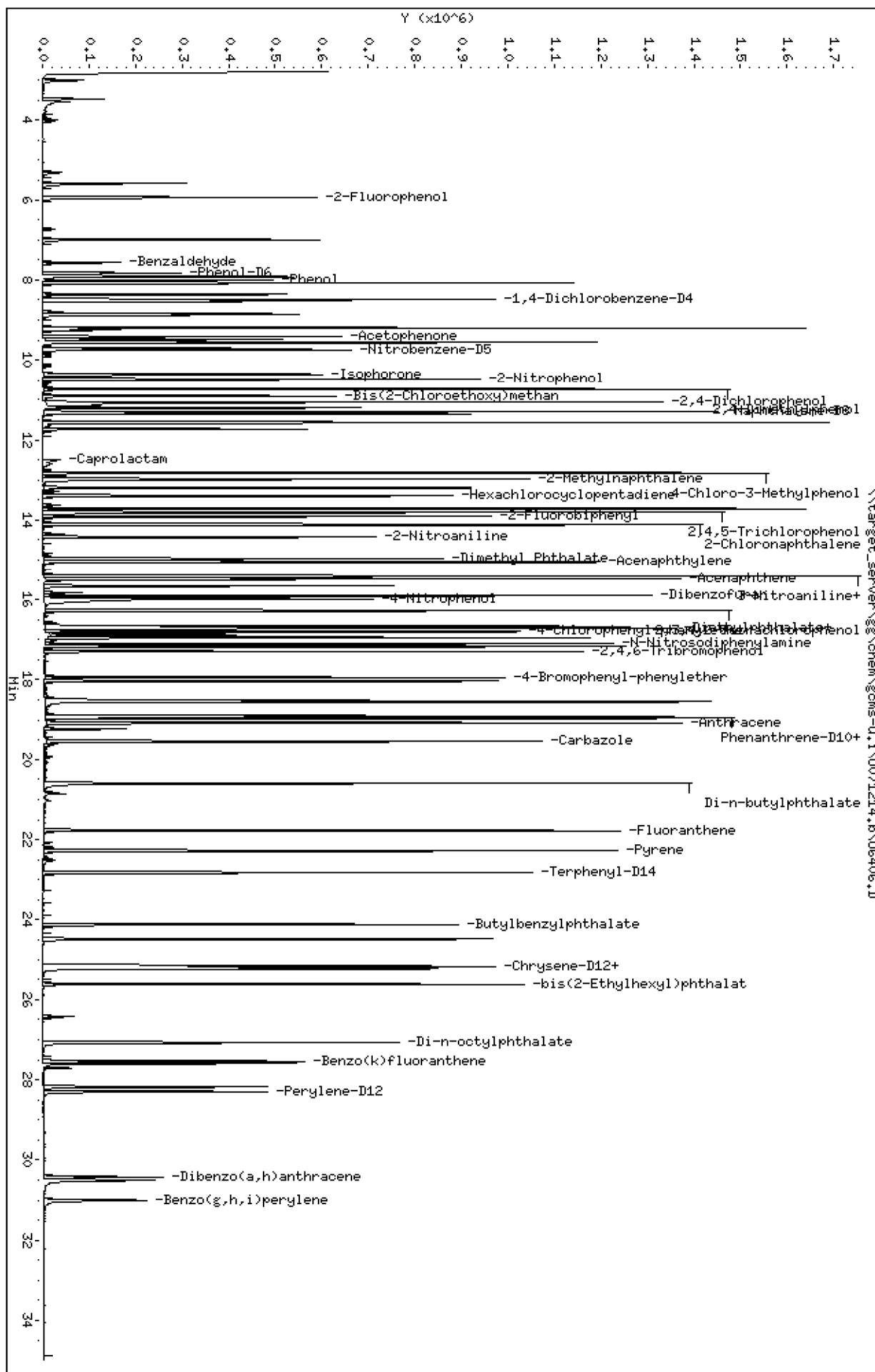
						CONCENTRATIONS		
		QUANT SIG				ON-COLUMN	FINAL	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/L)	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====
69 2-Nitroaniline	65	14.426	14.427	(0.936)	185636	34.2188	33.5	
73 Dimethyl Phthalate	163	14.964	14.976	(0.971)	596712	40.7482	39.9	
75 Acenaphthylene	152	15.057	15.059	(0.977)	790970	36.6005	35.9	
77 3-Nitroaniline	138	15.419	15.431	(1.001)	124402	31.1004	30.5	
* 78 Acenaphthene-D10	164	15.409	15.411	(1.000)	511085	40.0000		
79 Acenaphthene	153	15.482	15.493	(1.005)	524152	39.6165	38.8	
82 Dibenzofuran	168	15.906	15.907	(1.032)	705893	40.1364	39.3	
83 4-Nitrophenol	139	16.009	16.021	(1.039)	117265	41.9138	41.1	
87 2,3,4,6-Tetrachlorophenol	232	16.278	16.280	(1.056)	319085	84.8488	83.2	
89 Diethylphthalate	149	16.672	16.673	(1.082)	748152	47.5931	46.6	
91 4-Chlorophenyl-phenylether	204	16.806	16.808	(1.091)	295095	44.1793	43.3	
90 Fluorene	166	16.713	16.715	(1.085)	626293	44.4131	43.5	
96 N-Nitrosodiphenylamine	169	17.107	17.108	(0.905)	455285	37.6550	36.9	
\$ 100 2,4,6-Tribromophenol	330	17.303	17.305	(1.123)	234408	92.9012	91.1	
105 4-Bromophenyl-phenylether	248	17.945	17.946	(0.949)	193760	44.6938	43.8	
* 114 Phenanthrene-D10	188	18.907	18.909	(1.000)	896797	40.0000		
115 Phenanthrene	178	18.959	18.971	(1.003)	991373	45.7344	44.8	
116 Anthracene	178	19.083	19.085	(1.009)	986059	47.4166	46.5	
119 Carbazole	167	19.539	19.540	(1.033)	748498	43.8381	43.0	
121 Di-n-butylphthalate	149	20.595	20.606	(1.089)	1292708	49.0077	48.0	
126 Fluoranthene	202	21.774	21.776	(1.152)	892400	45.6975	44.8	
128 Pyrene	202	22.282	22.283	(0.885)	913959	47.9702	47.0	
\$ 129 Terphenyl-D14	244	22.820	22.821	(0.906)	577375	46.2356	45.3	
135 Butylbenzylphthalate	149	24.114	24.125	(0.958)	403486	46.1692	45.3	
* 140 Chrysene-D12	240	25.180	25.191	(1.000)	521211	40.0000		
142 Chrysene	228	25.242	25.243	(1.002)	544100	48.8352	47.9	
143 bis(2-Ethylhexyl)phthalate	149	25.614	25.616	(1.017)	530602	45.1302	44.2	
144 Di-n-octylphthalate	149	27.074	27.075	(0.957)	734317	39.3690	38.6	
147 Benzo(k) fluoranthene	252	27.602	27.613	(0.975)	440500	44.9272	44.0 (H)	
* 149 Perylene-D12	264	28.295	28.307	(1.000)	360791	40.0000		
154 Dibenzo(a,h)anthracene	278	30.510	30.511	(1.078)	248336	54.1342	53.1	
155 Benzo(g,h,i)perylene	276	31.007	31.019	(1.096)	267672	55.0913	54.0	

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- H - Operator selected an alternate compound hit.

Data File: \\target_server\gs\chem\goms-u,i\U071214,b\U6406.D
 Date : 12-JUL-2014 13:15
 Client ID: FTA-HW-210-061814MS
 Sample Info: M3145380-5,ME53-7
 Volume Injected (uL): 1.0
 Column phase: ZB5-MS

Instrument: goms-u,i
 Operator: JCG
 Column diameter: 0.25



MS/MSD Recovery Report

MS ID: WG145380-6
MSD ID: WG145380-7
Sample ID: SH4521-14
Client ID: FTA-SW-03-061914
Project:
SDG: WE53-7
MS File ID: U6410.D

Received Date:
Extract Date: 25-JUN-14
Extracted By: AM
Extraction Method: SW846 3510
Lab Prep Batch: WG145380
Report Date: 16-JUL-14
MSD File ID: U6411.D

Analysis Date: 12-JUL-14
Analyst: JCG
Analysis Method: SW846 8270D
Matrix: AQ
% Solids: NA

Compound	MS Spike	MSD Spike	Conc Units	Samp Conc	MS Conc	MSD Conc	MS Rec (%)	MSD Rec (%)	RPD (%)	RPD Limit	Limits
Phenol	97.1	96.2	ug/L	U7.6	30.	21.	31.0	21.5	37*	30	0-115
2-Methylphenol	97.1	96.2	ug/L	UMM7.6	U7.3	7.2	0*	0*	0	30	40-110
Isophorone	48.5	48.1	ug/L	U7.6	41.	34.	83.8	70.3	18	30	50-110
2-Nitrophenol	97.1	96.2	ug/L	U7.6	73.	56.	74.9	58.1	26	30	40-115
2,4-Dimethylphenol	97.1	96.2	ug/L	U7.6	67.	49.	68.8	51.3	30	30	30-110
4-Chloro-3-Methylphenol	97.1	96.2	ug/L	U7.6	80.	59.	82.8	61.2	31*	30	45-110
2,4,5-Trichlorophenol	97.1	96.2	ug/L	U19	88.	69.	90.7	72.1	24	30	50-110
2-Chloronaphthalene	48.5	48.1	ug/L	UM7.6	27.	22.	54.8	46.0*	18	30	50-105
Dimethyl Phthalate	48.5	48.1	ug/L	U7.6	43.	29.	88.0	60.1	38*	30	25-125
Diethylphthalate	48.5	48.1	ug/L	U7.6	50.	41.	103.	86.1	19	30	40-120
N-Nitrosodiphenylamine	48.5	48.1	ug/L	U7.6	38.	34.	78.9	69.9	13	30	50-110
Carbazole	48.5	48.1	ug/L	U7.6	45.	42.	92.3	86.5	7	30	50-115
Di-N-Butylphthalate	48.5	48.1	ug/L	U7.6	50.	44.	102.	90.5	13	30	55-115
Butylbenzylphthalate	48.5	48.1	ug/L	U7.6	47.	42.	96.4	87.4	11	30	45-115
Di-N-Octylphthalate	48.5	48.1	ug/L	U7.6	40.	32.	82.0	67.0	21	30	35-135
Acetophenone	48.5	48.1	ug/L	U7.6	38.	32.	78.3	66.8	17	30	49-102
Caprolactam	48.5	48.1	ug/L	UL7.6	5.7	7.3	11.7	15.2	25	30	10-86
Benzaldehyde	48.5	48.1	ug/L	U7.6	24.	22.	49.2	45.8	8	30	10-189
2,3,4,6-Tetrachlorophenol	97.1	96.2	ug/L	U7.6	91.	71.	93.4	74.2	24	30	49-119
4-Bromophenyl-Phenylether	48.5	48.1	ug/L	U7.6	45.	38.	92.1	79.9	15	30	50-115
4-Chlorophenyl-Phenylether	48.5	48.1	ug/L	U7.6	47.	39.	97.0	80.3	20	30	50-110
4-Nitrophenol	97.1	96.2	ug/L	U19	44.	31.	45.1	32.0	35*	30	0-125
Acenaphthene	48.5	48.1	ug/L	U7.6	44.	38.	89.8	78.2	15	30	45-110
Acenaphthylene	48.5	48.1	ug/L	U7.6	40.	34.	82.8	71.1	16	30	50-105
Anthracene	48.5	48.1	ug/L	U7.6	46.	40.	93.7	82.8	13	30	67-112
Fluorene	48.5	48.1	ug/L	U7.6	48.	41.	98.0	85.3	15	30	50-110
Fluoranthene	48.5	48.1	ug/L	U7.6	46.	39.	95.6	80.9	18	30	55-115
Benzo(g,h,i)perylene	48.5	48.1	ug/L	U7.6	54.	42.	112.	86.7	26	30	40-125
Benzo(k)fluoranthene	48.5	48.1	ug/L	U7.6	47.	39.	97.4	82.0	18	30	45-125
Bis(2-Chloroethoxy)Methane	48.5	48.1	ug/L	U7.6	31.	25.	63.8	52.0	21	30	45-105
2-Fluorophenol							45.0	28.7			20-110
Phenol-D6							31.4	21.9			10-115
Nitrobenzene-d5							75.0	63.7			40-110

MS/MSD Recovery Report

MS ID: WG145380-6
MSD ID: WG145380-7
Sample ID: SH4521-14
Client ID: FTA-SW-03-061914
Project:
SDG: WE53-7
MS File ID: U6410.D

Received Date:
Extract Date: 25-JUN-14
Extracted By: AM
Extraction Method: SW846 3510
Lab Prep Batch: WG145380
Report Date: 16-JUL-14
MSD File ID: U6411.D

Analysis Date: 12-JUL-14
Analyst: JCG
Analysis Method: SW846 8270D
Matrix: AQ
% Solids: NA

2-Fluorobiphenyl	82.1	59.1	50-110
2,4,6-Tribromophenol	102.	84.1	40-125
Terphenyl-d14	89.1	54.5	50-135

Data File: \\target_server\gg\chem\gcms-u.i\U071214.b\U6410.D
 Report Date: 15-Jul-2014 15:40

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-u.i\U071214.b\U6410.D
 Lab Smp Id: WG145380-6 Client Smp ID: FTA-SW-03-061914MS
 Inj Date : 12-JUL-2014 16:05 MS Autotune Date: 26-OCT-2013 10:51
 Operator : JCG Inst ID: gcms-u.i
 Smp Info : WG145380-6,WE53-7
 Misc Info : WG146400,WG145380,WG145897-4,SH4521-14
 Comment :
 Method : \\target_server\gg\chem\gcms-u.i\U071214.b\U8270C60.m
 Meth Date : 12-Jul-2014 08:53 cgomez Quant Type: ISTD
 Cal Date : 03-JUL-2014 14:15 Cal File: U6272.D
 Als bottle: 13 QC Sample: MS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: tt-we53aocs.sub
 Target Version: 4.12
 Processing Host: V200T4

Concentration Formula: Amt * DF * Uf*(Vt/Vo*Vi)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	0.00100	Final Volume (L)
Vo	1.030	Sample Volume (L)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG						CONCENTRATIONS		REVIEW CODE
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/L)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 8 2-Fluorophenol	112		5.949	5.951	(0.700)	360940	44.9723	43.7		
11 Benzaldehyde	77		7.574	7.576	(0.892)	105032	24.6428	23.9		
\$ 13 Phenol-D6	99		7.895	7.896	(0.929)	279916	31.3881	30.5		
15 Phenol	94		7.926	7.927	(0.933)	303127	30.9653	30.1		
* 19 1,4-Dichlorobenzene-D4	152		8.495	8.486	(1.000)	257073	40.0000			
27 Acetophenone	105		9.427	9.408	(0.834)	444526	39.1021	38.0		
\$ 33 Nitrobenzene-D5	82		9.706	9.718	(0.859)	331533	37.4849	36.4		
36 Isophorone	82		10.368	10.339	(0.918)	688806	41.9357	40.7		
37 2-Nitrophenol	139		10.482	10.474	(0.928)	343110	74.8682	72.7		
38 2,4-Dimethylphenol	107		10.731	10.732	(0.950)	597977	68.8496	66.8		
40 Bis(2-Chloroethoxy)methane	93		10.907	10.908	(0.965)	362197	31.9484	31.0		
41 2,4-Dichlorophenol	162		11.062	11.064	(0.979)	488800	77.9795	75.7		
* 44 Naphthalene-D8	136		11.300	11.302	(1.000)	1046894	40.0000			
52 Caprolactam	113		12.511	12.471	(1.107)	13278	5.85039	5.68 (aQ)		
54 4-Chloro-3-Methylphenol	107		12.832	12.844	(1.136)	587005	82.8657	80.4		
56 2-Methylnaphthalene	142		12.987	12.989	(1.149)	567566	37.3763	36.3		
60 Hexachlorocyclopentadiene	237		13.411	13.413	(0.870)	111687	23.0955	22.4		
62 2,4,5-Trichlorophenol	196		13.805	13.817	(0.896)	441532	90.7541	88.1		
\$ 63 2-Fluorobiphenyl	172		13.918	13.920	(0.903)	598418	41.0428	39.8		
65 2-Chloronaphthalene	162		14.105	14.106	(0.915)	519262	27.3852	26.6		

Data File: \\target_server\gg\chem\gcms-u.i\U071214.b\U6410.D
 Report Date: 15-Jul-2014 15:40

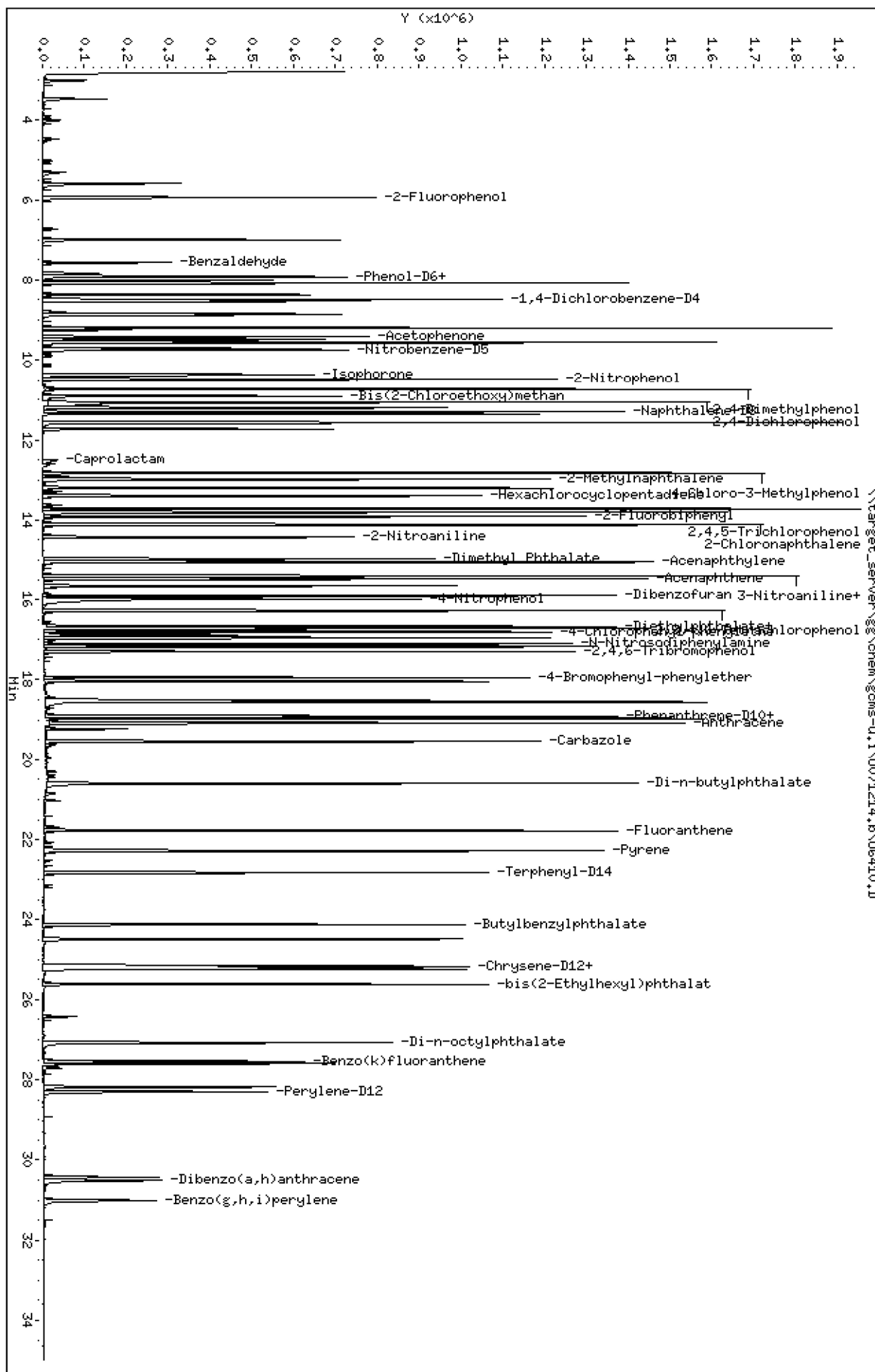
Compounds	QUANT SIG			RESPONSE	CONCENTRATIONS		REVIEW CODE
	MASS	RT	EXP RT		ON-COLUMN (ug/ml)	FINAL (ug/L)	
=====	=====	=====	=====	=====	=====	=====	=====
69 2-Nitroaniline	65	14.426	14.427 (0.936)	211406	38.4100	37.3	
73 Dimethyl Phthalate	163	14.974	14.976 (0.972)	653339	43.9751	42.7	
75 Acenaphthylene	152	15.057	15.059 (0.977)	907426	41.3869	40.2	
77 3-Nitroaniline	138	15.419	15.431 (1.001)	128715	31.7170	30.8	
* 78 Acenaphthene-D10	164	15.409	15.411 (1.000)	518523	40.0000		
79 Acenaphthene	153	15.481	15.493 (1.005)	602220	44.8642	43.6	
82 Dibenzofuran	168	15.906	15.907 (1.032)	802184	44.9572	43.6	
83 4-Nitrophenol	139	16.009	16.021 (1.039)	127920	45.0663	43.8	
87 2,3,4,6-Tetrachlorophenol	232	16.278	16.280 (1.056)	356524	93.4444	90.7	
89 Diethylphthalate	149	16.672	16.673 (1.082)	823865	51.6577	50.2	
91 4-Chlorophenyl-phenylether	204	16.806	16.808 (1.091)	328524	48.4785	47.1	
90 Fluorene	166	16.713	16.715 (1.085)	702262	49.0860	47.6	
96 N-Nitrosodiphenylamine	169	17.106	17.108 (0.905)	504782	39.4340	38.3	
\$ 100 2,4,6-Tribromophenol	330	17.303	17.305 (1.123)	261201	102.035	99.1	
105 4-Bromophenyl-phenylether	248	17.945	17.946 (0.949)	211420	46.0635	44.7	
* 114 Phenanthrene-D10	188	18.907	18.909 (1.000)	949437	40.0000		
115 Phenanthrene	178	18.969	18.971 (1.003)	1083557	47.2156	45.8	
116 Anthracene	178	19.083	19.085 (1.009)	1032743	46.9081	45.5	
119 Carbazole	167	19.539	19.540 (1.033)	835129	46.2001	44.8	
121 Di-n-butylphthalate	149	20.605	20.606 (1.090)	1422694	50.9452	49.5	
126 Fluoranthene	202	21.774	21.776 (1.152)	987239	47.7511	46.4	
128 Pyrene	202	22.281	22.283 (0.885)	999207	49.3096	47.9	
\$ 129 Terphenyl-D14	244	22.820	22.821 (0.906)	591862	44.5626	43.3	
135 Butylbenzylphthalate	149	24.124	24.125 (0.958)	447916	48.1894	46.8	
* 140 Chrysene-D12	240	25.179	25.191 (1.000)	554348	40.0000		
142 Chrysene	228	25.242	25.243 (1.002)	610391	51.5102	50.0	
143 bis(2-Ethylhexyl)phthalate	149	25.614	25.616 (1.017)	587439	46.9777	45.6	
144 Di-n-octylphthalate	149	27.074	27.075 (0.956)	846608	41.0532	39.8	
147 Benzo(k)fluoranthene	252	27.601	27.613 (0.975)	528461	48.7495	47.3 (H)	
* 149 Perylene-D12	264	28.305	28.307 (1.000)	398898	40.0000		
154 Dibenzo(a,h)anthracene	278	30.510	30.511 (1.078)	271807	53.5903	52.0	
155 Benzo(g,h,i)perylene	276	31.017	31.019 (1.096)	301157	56.0618	54.4	

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.
- H - Operator selected an alternate compound hit.

Data File: \\target_server\gs\chem\goms-u,i\U071214,b\U6410.D
 Date : 12-JUL-2014 16:05
 Client ID: FTA-SM-03-061314HS
 Sample Info: M3145380-6,ME53-7
 Volume Injected (uL): 1.0
 Column phase: ZB5-MS

Instrument: goms-u,i
 Operator: JCG
 Column diameter: 0.25



Data File: \\target_server\gg\chem\gcms-u.i\U071214.b\U6411.D
Report Date: 15-Jul-2014 15:40

Katahdin Analytical Services

Data file : \\target_server\gg\chem\gcms-u.i\U071214.b\U6411.D
Lab Smp Id: WG145380-7 Client Smp ID: FTA-SW-03-061914MSD
Inj Date : 12-JUL-2014 16:47 MS Autotune Date: 26-OCT-2013 10:51
Operator : JCG Inst ID: gcms-u.i
Smp Info : WG145380-7,WE53-7
Misc Info : WG146400,WG145380,WG145897-4,SH4521-14
Comment :
Method : \\target_server\gg\chem\gcms-u.i\U071214.b\U8270C60.m
Meth Date : 12-Jul-2014 08:53 cgomez Quant Type: ISTD
Cal Date : 03-JUL-2014 14:15 Cal File: U6272.D
Als bottle: 14 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: tt-we53aocs.sub
Target Version: 4.12
Processing Host: V200T4

Concentration Formula: Amt * DF * Uf*(Vt/Vo*Vi)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	0.00100	Final Volume (L)
Vo	1.040	Sample Volume (L)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG						CONCENTRATIONS		REVIEW CODE
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/L)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 8 2-Fluorophenol	112		5.949	5.951	(0.701)		213437	28.6687	27.6	
11 Benzaldehyde	77		7.564	7.576	(0.891)		90314	22.8430	22.0	
\$ 13 Phenol-D6	99		7.895	7.896	(0.930)		180846	21.8612	21.0	
15 Phenol	94		7.916	7.927	(0.933)		195798	21.5619	20.7	
* 19 1,4-Dichlorobenzene-D4	152		8.485	8.486	(1.000)		238467	40.0000		
27 Acetophenone	105		9.406	9.408	(0.832)		351388	33.3455	32.1	
\$ 33 Nitrobenzene-D5	82		9.706	9.718	(0.859)		260966	31.8318	30.6	
36 Isophorone	82		10.348	10.339	(0.916)		534874	35.1306	33.8	
37 2-Nitrophenol	139		10.472	10.474	(0.927)		247067	58.1602	55.9	
38 2,4-Dimethylphenol	107		10.731	10.732	(0.950)		412465	51.2332	49.3	
40 Bis(2-Chloroethoxy)methane	93		10.907	10.908	(0.965)		272735	25.9533	25.0	
41 2,4-Dichlorophenol	162		11.062	11.064	(0.979)		323393	55.6579	53.5	
* 44 Naphthalene-D8	136		11.300	11.302	(1.000)		970410	40.0000		
52 Caprolactam	113		12.460	12.471	(1.103)		16041	7.62485	7.33(aQ)	
54 4-Chloro-3-Methylphenol	107		12.822	12.844	(1.135)		402044	61.2286	58.9	
56 2-Methylnaphthalene	142		12.977	12.989	(1.148)		444570	31.5840	30.4	
60 Hexachlorocyclopentadiene	237		13.412	13.413	(0.870)		60918	13.3072	12.8	
62 2,4,5-Trichlorophenol	196		13.805	13.817	(0.896)		332117	72.1127	69.3	
\$ 63 2-Fluorobiphenyl	172		13.909	13.920	(0.903)		407911	29.5538	28.4	
65 2-Chloronaphthalene	162		14.105	14.106	(0.915)		412511	22.9816	22.1	

Data File: \\target_server\gg\chem\gcms-u.i\U071214.b\U6411.D
 Report Date: 15-Jul-2014 15:40

Compounds	QUANT SIG			RESPONSE	CONCENTRATIONS		REVIEW CODE
	MASS	RT	EXP RT	REL RT	ON-COLUMN (ug/ml)	FINAL (ug/L)	
=====	=====	=====	=====	=====	=====	=====	=====
69 2-Nitroaniline	65	14.426	14.427	(0.936)	172061	33.0237	31.8
73 Dimethyl Phthalate	163	14.964	14.976	(0.971)	422911	30.0700	28.9
75 Acenaphthylene	152	15.057	15.059	(0.977)	738885	35.5996	34.2
77 3-Nitroaniline	138	15.409	15.431	(1.000)	86212	22.4413	21.6 (a)
* 78 Acenaphthene-D10	164	15.409	15.411	(1.000)	490853	40.0000	
79 Acenaphthene	153	15.482	15.493	(1.005)	497637	39.1628	37.6
82 Dibenzofuran	168	15.906	15.907	(1.032)	652661	38.6393	37.2
83 4-Nitrophenol	139	16.010	16.021	(1.039)	86146	32.0601	30.8
87 2,3,4,6-Tetrachlorophenol	232	16.268	16.280	(1.056)	267712	74.1223	71.3
89 Diethylphthalate	149	16.662	16.673	(1.081)	650614	43.0942	41.4
91 4-Chlorophenyl-phenylether	204	16.807	16.808	(1.091)	257755	40.1796	38.6
90 Fluorene	166	16.713	16.715	(1.085)	577990	42.6772	41.0
96 N-Nitrosodiphenylamine	169	17.107	17.108	(0.905)	423292	34.9082	33.6
\$ 100 2,4,6-Tribromophenol	330	17.293	17.305	(1.122)	203758	84.0824	80.8
105 4-Bromophenyl-phenylether	248	17.945	17.946	(0.949)	173809	39.9765	38.4
* 114 Phenanthrene-D10	188	18.908	18.909	(1.000)	899384	40.0000	
115 Phenanthrene	178	18.959	18.971	(1.003)	900463	41.4210	39.8
116 Anthracene	178	19.073	19.085	(1.009)	863720	41.4142	39.8
119 Carbazole	167	19.539	19.540	(1.033)	740988	43.2734	41.6
121 Di-n-butylphthalate	149	20.595	20.606	(1.089)	1196119	45.2155	43.5
126 Fluoranthene	202	21.775	21.776	(1.152)	793289	40.5054	38.9
128 Pyrene	202	22.282	22.283	(0.885)	787208	46.6883	44.9
\$ 129 Terphenyl-D14	244	22.820	22.821	(0.906)	301071	27.2434	26.2
135 Butylbenzylphthalate	149	24.114	24.125	(0.958)	337855	43.6845	42.0
* 140 Chrysene-D12	240	25.180	25.191	(1.000)	461254	40.0000	
142 Chrysene	228	25.232	25.243	(1.002)	431347	43.7476	42.1
143 bis(2-Ethylhexyl)phthalate	149	25.615	25.616	(1.017)	400208	38.4643	37.0
144 Di-n-octylphthalate	149	27.074	27.075	(0.957)	542262	33.5063	32.2
147 Benzo(k)fluoranthene	252	27.591	27.613	(0.975)	348631	40.9804	39.4 (H)
* 149 Perylene-D12	264	28.295	28.307	(1.000)	313047	40.0000	
154 Dibenzo(a,h)anthracene	278	30.500	30.511	(1.078)	169371	42.5517	40.9
155 Benzo(g,h,i)perylene	276	31.007	31.019	(1.096)	182929	43.3919	41.7

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.
- H - Operator selected an alternate compound hit.

Data File: \\target_server\gs\chem\goms-u,i\U071214,b\U6411.D

Date : 12-JUL-2014 16:47

Client ID: FTA-SM-03-061914HSD

Sample Info: M3145380-7,ME53-7

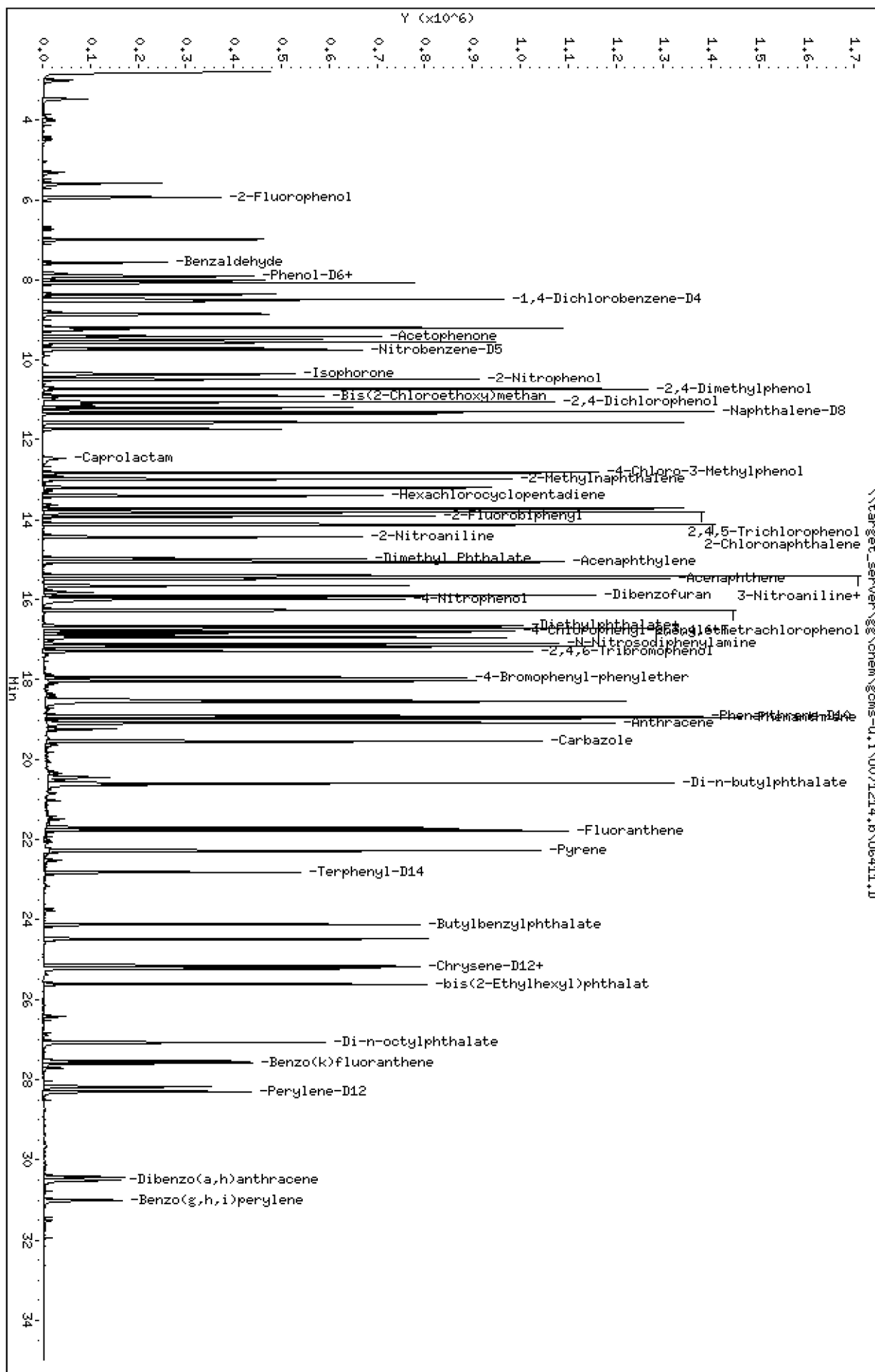
Volume Injected (uL): 1.0

Column phase: ZB5-MS

Instrument: goms-u,i

Operator: JCG

Column diameter: 0.25



Logbooks and Supporting Documents

SIS

SIP Re

KATAHDIN ANALYTICAL SERVICES, INC.
ORGANIC EXTRACTIONS LOG - AQUEOUS SEMI-VOLATILES

Extraction Method: (check one)	SW846 3510 (SEP) ✓	SW846 3520 (CLLE)	SW846 3535 (SPE)
Analytical Method: (check one)	SW846 8270 ✓	EPA 625	CLP OLM04.2 CLP OLC02.1 CLP SOM01.2
Standards	Surrogate ID (1): <u>SV2676</u>	Spike ID (1): <u>SM: SV2670</u>	
	Surrogate ID (2):	Spike ID (2): <u>Scan: SV2699</u>	
Solvents/Acid/Base	Solvent Lot # (Mec12): <u>DK982</u>	H ₂ SO ₄ Lot # <u>50730</u>	NaOH Lot # <u>52850</u>
Consumables	Filter Paper Lot # <u>FC010770</u>	NaSO ₄ Lot # <u>27964002</u>	
Nitrogen Water Bath Temperature	<u>36°C</u>	pH (1 st Extraction) <u>2.12</u>	pH (2 nd Extraction) <u>≤ 2</u>
Prep Start Time:	Prep End Time:	CLLE Start Time:	CLLE End Time:

Date Extracted	Ext. Init.	Sample ID	Initial Vol. mL	Sur. Vol.	Spike Vol.	Fraction		Final Vol. mL	Date Conc.	Tray Location	Initials	Comments
6/25/14	AM	W6145350-1	1000	1 mL	NA	✓	✓	1.2	6/26/14	A2	RF	SV- R279386
		W6145350-2	1		1 mL					3		SIM- R279387
		-3	1							4		
		-4	1060							5		MS SH4521-FL1
		-5	1020							6		MSD SH4521-FL1
		-6	1030							7		MS SH4521-FL1
		-7	1040							8		MSD SH4521-FL1
		W6145351-2	1000				✓			9		
		-3	1							10		
		-4	1020							B1		MS SH4521-FL1
		-5	990							2		MSD SH4521-FL1
		-6	990							B3		MS SH4521-FL1

EX-007 - Revision 2 - 12/05/2013

QAEX253

0000150

Date Extracted	Ext. Init.	Sample ID	Initial Vol. mL	Sur. Vol.	Spike Vol.	Fraction		Final Vol. mL	Date Conc.	Tray Location	Initials	Comments
6/25/14	AM	W6145351-7	1090	1 mL	NA		✓	1.2	6/26/14	B4	RF	MSD SH4521-FL1
		SH4521-2 L	1090							5		
		-4 L	990							6		
		-6 L	1090							7		
		-8 L	1060							8		MSD
		-10 L	1040							9		
		-12 L	1090							B10		2.5 for emul.
		-14 L	980							C1		2.5 for emul. MSD
		-16 M	1000							2		
		-18 M	1060							3		2.5 for emul.
		-20 L	1020							4		
		-22 M	1030							5		
		-24 M	1040				✓	✓		C6		
		SH4480-66	1060							C7		Re
		SH4523-4 M	1040				✓	✓		8		
		SH4401-2 L	1090							9		
		-6 L	1090							C10		
		-8 M	1090							D1		

Reviewed By

Date

EX-007 - Revision 2 - 12/05/2013

QAEX253

Katahdin Analytical Services 3000483

DATE OF DFTPP INJECTION: 063014

KATAHDIN ANALYTICAL SERVICES
GGC/MS SVOA INJ LOG INSTRUMENT: 5973-U

JOB	SAMPLE	DATAFILE	DF	ALS #	METHOD	UL INJ	CHEMIST	COMMENTS
W64MS67-1	DLF PP 50mg	VD163	1	1	DF-PP 390	2.0	JCH	OK
-4	SSTD STD VD630	VD200	1	2	US270 C59	1.0		✓
-2	010	01	1	3				✓
-3	025	02	1	4				✓
-5	075	03	1	5				✓
-6	100	04	1	6				✓
-7	125	05	1	7				✓
-8	8270 IND	06	1	8				OK

Jm 063012

REVIEWED AND APPROVED BY: _____
DATE: _____

STANDARD	CODE
DFTTP	52473
CAL. STD.	52439 524814
ISMIX	5065797

KATAHDIN ANALYTICAL SERVICES
GC/MS SVOA INJ LOG INSTRUMENT: 5973-U

DATE OF DFTPP INJECTION: 070114

JOB	SAMPLE	DATAFILE	DF	ALS #	METHOD	UL INJ	CHEMIST	COMMENTS
W4145731-1	SDW40500	UD165	1	1	DFTPP 390	2.0	JUG	OK
-2	SS1005000701	U6231	1	2	V8270C59	1.0		OK
3550	W4145026-1	32		3				OK
3560	W4145468-1	33		4				OK
+	+	34		5				1547 OK PAT147.8
3550	SH44561-1	35		6				SS144.6 V
3560	SH4572-1	36		7				OK
	SH4553-1	37		8				1547 OK
	SH4585-1	38		9				1547 OK
	+	39		10				OK
	SH4523-22	40		11				OK
	W4145380-2	41		12				1547 OK
	+	42		13				1547 OK
3550	SH45026-2	43		14				1547 OK
+	+	44		15				1547 OK
3560	SH4480-602	45		16				1547 551.2 V
+	+	46		17				1547 551.2 V
3550	SH4360-2	47		18				1547 OK
	GPC PK 6-27	48		19				1547 OK

STANDARD	CODE
DFTPP	52473
CAL. STD.	52439 524814
IS MIX	524797

REVIEWED AND APPROVED BY:

DATE:

524797

DATE OF DFTPP INJECTION: 070314

STANDARD	CODE
DFTPP	52444
CAL STD.	524 5JK4814
IS MIX	5244797

REVIEWED AND APPROVED BY: _____
DATE: _____

DATE OF DFTPP INJECTION: 070314B

KATAHDIN ANALYTICAL SERVICES
GC/MS SVOA INJ LOG INSTRUMENT: 5973-JJ

JOB	SAMPLE	DATAFILE	DF	ALS#	METHOD	UL INJ	CHEMIST	COMMENTS
W614524-1	SDWA DFTPP	U71168	1	1	DFTPP340	2.0	STL	OK
-1	SS10050 U6703	U6214	1	2	U8270060	1.0		OK
3550	SH4406-ZRA	75	1	3				SS4V
	-3	76	1	4				OK
	-4	77	1	5				OK
	-6	78	1	6				OK
	-7	79	1	7				OK
	-8	80	1	8				OK
	-9	81	1	9				SS4V
	-10	82	1	10				OK
	-11	83	1	11				OK
	-12	84	1	12				SS2,3,4V
	-13	85	1	13				OK
	-14	86	1	14				SS4V
	-15	87	1	15				OK
3510	SH4401-4	88	1	16				OK
3550	W6145675-2	89	1	17				OK
	1 -3	90	1	18				OK
	SH2679-05L	91	1	19				SS1,2,5V
	SH4606-1	92	1	20				SS6V
	1 -2	93	1	21				SS1,2V
	SH4602-1	94	1	22				SS1,2V
	-2	95	1	23				SS1,2V
	-3	96	1	24				SS1,2V
	-5	97	1	25				SS1,2V
	SH4734-1	98	1	26				SS1,2,5V
	-2	99	1	27				SS1,2,5V
	-3	U6300	1	28				SS1,2,5V

REVIEWED AND APPROVED BY:
DATE:

STANDARD	CODE
DFTPP	52094
CAL. STD.	52094
IS MIX	52094

KATAHDIN ANALYTICAL SERVICES
GC/MS SVOA INJ LOG INSTRUMENT: 5973-U

DATE OF DFTPP INJECTION: 07/11/14

JOB	SAMPLE	DATAFILE	IDF	ALSF	METHOD	UL INJ	CHEMIST	COMMENTS
104146330-1	50mg D6500	UD173	1	1	DFTPP360	2.0	JCH	OK
2550	5507050 D0711	U6381		2	V8210C60	1.0		OK
3510	544523-20	82		3				OK
	544523-21	83		4				OK
	544501-2	84		5				5512.51
	544501-2	85		6				5561
	544501-2	86		7				5512.51
	544501-2	87		8				OK
	544501-2	88		9				OK
	544501-2	89		10				OK
	544501-2	90		11				OK
	544501-2	91		12				OK
	544501-2	92		13				OK
	544501-2	93		14				OK
	544501-2	94		15				OK
	544501-2	95		16				OK
	544501-2	96		17				OK
	544501-2	97		18				OK
	544501-2	98	2	19				OK
	544501-2	99						APP 1X 100/200

STANDARD	CODE
DFTPP	52444
CAL. STD.	5448 5724614
IS MIX	57164798

REVIEWED AND APPROVED BY: _____
DATE: _____

KATAHDIN ANALYTICAL SERVICES
GC/MS SVOA INJ LOG INSTRUMENT: 5973-JJ

DATE OF DFTPP INJECTION: 07/2/14

JOB	SAMPLE	DATAFILE	DF	ALS #	METHOD	UL INJ	CHEMIST	COMMENTS
W614600-1	SDWY D5500	UD 674	1	1	D5500	2.0	ULY	OK
-2	SSWY 5000712	U6359	1	2	U8070CUD	1.0		OK
3520	W6146052-1	U6400		3				OK
	-2	21		4				153.5, 6.1
	-3	22		5				156.2, 3.5, 4.6
	SH4945-5	23		6				153.5, 6.1
	SH452108	24		7				OK
3520	W6145380-4	25		8				OK
	-5	26		9				OK
	SH4521-10	27		10				OK
	-12	28		11				OK
	-14	29		12				OK
	W6145380-6	30		13				OK
	W6145380-7	31		14				OK
	SH4521-16	32		15				OK
	-18	33		16				OK
	-20	34		17				OK
	-22	35		18				OK
	-24	36		19				OK

STANDARD	CODE
DFTPP	52444
CAL. STD.	52448
IS MIX	52474

REVIEWED AND APPROVED BY: _____
DATE: _____

KATAHDIN ANALYTICAL SERVICES
GC/MS SVOA INJ LOG INSTRUMENT: 5973-U

DATE OF DFTPP INJECTION: 07/04/04

JOB	SAMPLE	DATAFILE	DF	ALS #	METHOD	UL INJ	CHEMIST	COMMENTS
W614646-1	50mg DFTPP	VD175	1	1	DFTPP350	2.0	JCH	OK
3880	550065000714	U6407	1	2	U8270060	1.0		OK
	W614646-1-1	18	1	3				OK
	2	19	1	4				OK
	3	20	1	5				OK
3550	514521-24	21	1	6				OK
	514501-202	22	1	7				55125X
	602	23	1	8				OK
	802	24	1	9				OK
3550	514587-1	25	1	10				OK
3550	514940-10	26	1	11				OK
	1002	27	1	12				- not needed
3550	7	28	1	13				OK
	W614646-1-4	29	1	14				OK
	5	30	1	15				OK
	5145004-1	31	1	16				1586X DL117
	2	32	1	17				1586X
	514966-7	33	1	18				15456X 554X DL1:25
	MeClx	34-38	1	19				-
	514682-DL	39	1	20				- spike 100/200

STANDARD	CODE
DFTPP	52444
CAL. STD.	52448 5244814
IS MIX	524474X

REVIEWED AND APPROVED BY:

DATE:

METALS DATA

Sample Data Section

METALS SAMPLE FLAGGING

FLAG	SPECIFIED MEANING
E	The reported value is estimated because of the presence of interference (as indicated by serial dilution).
N	The pre-digestion spiked sample recovery is not within control limits.
*	The duplicate sample analysis relative percent difference (RPD) is not within control limits.
B	Indicates the analyte was detected in the laboratory method blank analyzed concurrently with the sample.
A	The post-digestion spiked sample recovery is not within control limits.
•	Analytical run QC sample (e.g. ICV, CCV, ICB, CCB, ICSA, ICSAB) not within control limits.
U	The analyte was not detected above the specified level. This level may be the Limit of Quantitation (LOQ)(previously called Practical Quantitation Level (PQL)), the Limit of Detection (LOD) or Method Detection Limit (MDL) as required by the client. Note: All results reported as “U” MDL have a 50% rate for false negatives compared to those results reported as “U” PQL/LOQ or “U” LOD, where the rate of false negatives is <1%.
J	The analyte was detected in the sample at a concentration less than the laboratory Limit of Quantitation (LOQ) (previously called Practical Quantitation Limit (PQL)), but above the Method Detection Limit (MDL).

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

SOW No. SW846

Client Field ID	Lab Sample ID
FTA-GW-DUP01-061814	SH4401-014
FTA-GW-DUP01-061814	SH4401-015
FTA-GW-DUP02-061814	SH4521-006
FTA-GW-DUP02-061814	SH4521-007
FTA-MW-1-061814	SH4521-004
FTA-MW-1-061814	SH4521-005
FTA-MW-10-061714	SH4401-004
FTA-MW-10-061714	SH4401-005
FTA-MW-11-061714	SH4401-006
FTA-MW-11-061714	SH4401-007
FTA-MW-11-061714	SH4401-007P
FTA-MW-11-061714	SH4401-007S
FTA-MW-12-061714	SH4401-008
FTA-MW-12-061714	SH4401-009
FTA-MW-14-061714	SH4401-020
FTA-MW-14-061714	SH4401-021
FTA-MW-203-061814	SH4401-012
FTA-MW-203-061814	SH4401-013
FTA-MW-206-061814	SH4401-018
FTA-MW-206-061814	SH4401-019
FTA-MW-206-061814	SH4401-019P
FTA-MW-206-061814	SH4401-019S
FTA-MW-208-061814	SH4521-002
FTA-MW-208-061814	SH4521-003

Were ICP interelement corrections applied ? Yes

Were ICP background corrections applied ? Yes

If yes - were raw data generated before
application of background corrections ? No

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Heather ManzName: Heather ManzDate: 7-14-14Title: Analyst 1

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Katahdin Analytical Services 4000004

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

SOW No. SW846

Client Field ID	Lab Sample ID
FTA-MW-210-061814	SH4521-008
FTA-MW-210-061814	SH4521-008D
FTA-MW-210-061814	SH4521-008P
FTA-MW-210-061814	SH4521-008S
FTA-MW-210-061814	SH4521-009
FTA-MW-210-061814	SH4521-009D
FTA-MW-210-061814	SH4521-009P
FTA-MW-210-061814	SH4521-009S
FTA-MW-218-061814	SH4401-016
FTA-MW-218-061814	SH4401-017
FTA-MW-5-061814	SH4401-010
FTA-MW-5-061814	SH4401-011
FTA-MW-9-061714	SH4401-002
FTA-MW-9-061714	SH4401-003
FTA-SD-RB01-062014	SH4521-024
FTA-SW-01-061914	SH4521-010
FTA-SW-01-061914	SH4521-011
FTA-SW-02-061914	SH4521-012
FTA-SW-02-061914	SH4521-013
FTA-SW-03-061914	SH4521-014
FTA-SW-03-061914	SH4521-014D
FTA-SW-03-061914	SH4521-014P
FTA-SW-03-061914	SH4521-014S
FTA-SW-03-061914	SH4521-015

Were ICP interelement corrections applied ? Yes

Were ICP background corrections applied ? Yes

If yes - were raw data generated before
application of background corrections ? No

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Heather ManzName: Heather ManzDate: 7-14-14Title: Analyst I

COVER PAGE - IN

Katahdin Analytical Services 4000005

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

SOW No. SW846

Client Field ID

Lab Sample ID

FTA-SW-03-061914	SH4521-015D
FTA-SW-03-061914	SH4521-015P
FTA-SW-03-061914	SH4521-015S
FTA-SW-06-061914	SH4521-016
FTA-SW-06-061914	SH4521-017
FTA-SW-07-061914	SH4521-018
FTA-SW-07-061914	SH4521-019
FTA-SW-08-061914	SH4521-020
FTA-SW-08-061914	SH4521-021
FTA-SW-DUP01-061914	SH4521-022
FTA-SW-DUP01-061914	SH4521-023

Were ICP interelement corrections applied ? Yes

Were ICP background corrections applied ? Yes

If yes - were raw data generated before application of background corrections ? No

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: 

Name: Heather Manz

Date: 7-14-14

Title: Analyst I

COVER PAGE - IN

Katahdin Analytical Services 4000006

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-9-061714

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4401-002

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, TOTAL	74	J		P	1	300	15.	100
7440-36-0	ANTIMONY, TOTAL	0.50	U		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, TOTAL	2.7	J		MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, TOTAL	4.97	J		P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, TOTAL	0.20	U		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, TOTAL	0.053	J		MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, TOTAL	7010			P	1	100	11.	80
7440-47-3	CHROMIUM, TOTAL	4.28	J		MS	5	5.0	0.22	4.0
7440-48-4	COBALT, TOTAL	4.22			MS	5	1.0	0.060	0.30
7440-50-8	COPPER, TOTAL	0.85	J		MS	5	3.0	0.19	2.0
7439-89-6	IRON, TOTAL	3210			P	1	100	5.4	80
7439-92-1	LEAD, TOTAL	0.19	J		MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, TOTAL	1930			P	1	100	7.8	80
7439-96-5	MANGANESE, TOTAL	3060			P	1	5.0	1.1	4.0
7439-97-6	MERCURY, TOTAL	0.047	J		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, TOTAL	1.71	J		MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, TOTAL	553	J		P	1	1000	41.	500
7782-49-2	SELENIUM, TOTAL	3.0	U		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, TOTAL	0.40	U		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, TOTAL	3890			P	1	1000	24.	500
7440-28-0	THALLIUM, TOTAL	0.40	U		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, TOTAL	1.0	J		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, TOTAL	1.9	J		P	1	20	0.72	10

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-9-061714

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4401-003

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, DISSOLVED	38	J		P	1	300	15.	100
7440-36-0	ANTIMONY, DISSOLVED	0.060	J		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, DISSOLVED	2.6	J		MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, DISSOLVED	4.36	J		P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, DISSOLVED	0.20	U		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, DISSOLVED	0.058	J		MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, DISSOLVED	6930			P	1	100	11.	80
7440-47-3	CHROMIUM, DISSOLVED	0.59	J		MS	5	5.0	0.22	4.0
7440-48-4	COBALT, DISSOLVED	4.18			MS	5	1.0	0.060	0.30
7440-50-8	COPPER, DISSOLVED	1.3	J		MS	5	3.0	0.19	2.0
7439-89-6	IRON, DISSOLVED	3070			P	1	100	5.4	80
7439-92-1	LEAD, DISSOLVED	0.24	J		MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, DISSOLVED	1850			P	1	100	7.8	80
7439-96-5	MANGANESE, DISSOLVED	3020			P	1	5.0	1.1	4.0
7439-97-6	MERCURY, DISSOLVED	0.10	U		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, DISSOLVED	1.2	J		MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, DISSOLVED	550	J		P	1	1000	41.	500
7782-49-2	SELENIUM, DISSOLVED	0.77	J		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, DISSOLVED	0.40	U		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, DISSOLVED	3820			P	1	1000	24.	500
7440-28-0	THALLIUM, DISSOLVED	0.40	U		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, DISSOLVED	0.51	J		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, DISSOLVED	2.6	J		P	1	20	0.72	10

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-10-061714

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4401-004

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, TOTAL	36	J		P	1	300	15.	100
7440-36-0	ANTIMONY, TOTAL	0.061	J		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, TOTAL	4.3	J		MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, TOTAL	1.6	J		P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, TOTAL	0.20	U		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, TOTAL	0.16	J		MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, TOTAL	3670			P	1	100	11.	80
7440-47-3	CHROMIUM, TOTAL	4.41	J		MS	5	5.0	0.22	4.0
7440-48-4	COBALT, TOTAL	5.07			MS	5	1.0	0.060	0.30
7440-50-8	COPPER, TOTAL	2.64	J		MS	5	3.0	0.19	2.0
7439-89-6	IRON, TOTAL	1350			P	1	100	5.4	80
7439-92-1	LEAD, TOTAL	0.40	J		MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, TOTAL	1040			P	1	100	7.8	80
7439-96-5	MANGANESE, TOTAL	1690			P	1	5.0	1.1	4.0
7439-97-6	MERCURY, TOTAL	0.044	J		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, TOTAL	30.0			MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, TOTAL	662	J		P	1	1000	41.	500
7782-49-2	SELENIUM, TOTAL	3.0	U		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, TOTAL	0.40	U		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, TOTAL	3630			P	1	1000	24.	500
7440-28-0	THALLIUM, TOTAL	0.40	U		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, TOTAL	0.60	J		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, TOTAL	2.0	J		P	1	20	0.72	10

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-10-061714

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4401-005

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, DISSOLVED	19	J		P	1	300	15.	100
7440-36-0	ANTIMONY, DISSOLVED	0.50	U		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, DISSOLVED	3.4	J		MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, DISSOLVED	1.8	J		P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, DISSOLVED	0.20	U		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, DISSOLVED	0.13	J		MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, DISSOLVED	3820			P	1	100	11.	80
7440-47-3	CHROMIUM, DISSOLVED	4.50	J		MS	5	5.0	0.22	4.0
7440-48-4	COBALT, DISSOLVED	5.39			MS	5	1.0	0.060	0.30
7440-50-8	COPPER, DISSOLVED	1.1	J		MS	5	3.0	0.19	2.0
7439-89-6	IRON, DISSOLVED	1210			P	1	100	5.4	80
7439-92-1	LEAD, DISSOLVED	0.18	J		MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, DISSOLVED	1060			P	1	100	7.8	80
7439-96-5	MANGANESE, DISSOLVED	1740			P	1	5.0	1.1	4.0
7439-97-6	MERCURY, DISSOLVED	0.10	U		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, DISSOLVED	2.90			MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, DISSOLVED	678	J		P	1	1000	41.	500
7782-49-2	SELENIUM, DISSOLVED	0.77	J		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, DISSOLVED	0.40	U		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, DISSOLVED	3750			P	1	1000	24.	500
7440-28-0	THALLIUM, DISSOLVED	0.40	U		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, DISSOLVED	1.3	J		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, DISSOLVED	4.0	J		P	1	20	0.72	10

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-11-061714

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4401-006

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, TOTAL	56	J		P	1	300	15.	100
7440-36-0	ANTIMONY, TOTAL	0.056	J		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, TOTAL	4.0	U		MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, TOTAL	1.4	J		P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, TOTAL	0.20	U		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, TOTAL	0.066	J		MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, TOTAL	4580			P	1	100	11.	80
7440-47-3	CHROMIUM, TOTAL	4.61	J		MS	5	5.0	0.22	4.0
7440-48-4	COBALT, TOTAL	0.10	J		MS	5	1.0	0.060	0.30
7440-50-8	COPPER, TOTAL	0.75	J		MS	5	3.0	0.19	2.0
7439-89-6	IRON, TOTAL	241			P	1	100	5.4	80
7439-92-1	LEAD, TOTAL	0.13	J		MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, TOTAL	1630			P	1	100	7.8	80
7439-96-5	MANGANESE, TOTAL	488			P	1	5.0	1.1	4.0
7439-97-6	MERCURY, TOTAL	0.035	J		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, TOTAL	1.3	J		MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, TOTAL	500	J		P	1	1000	41.	500
7782-49-2	SELENIUM, TOTAL	3.0	U		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, TOTAL	0.40	U		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, TOTAL	4430			P	1	1000	24.	500
7440-28-0	THALLIUM, TOTAL	0.40	U		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, TOTAL	1.4	J		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, TOTAL	1.3	J		P	1	20	0.72	10

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-11-061714

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4401-007

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, DISSOLVED	43	J		P	1	300	15.	100
7440-36-0	ANTIMONY, DISSOLVED	0.50	U		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, DISSOLVED	4.0	U		MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, DISSOLVED	1.7	J		P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, DISSOLVED	0.20	U		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, DISSOLVED	0.080	J		MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, DISSOLVED	4470			P	1	100	11.	80
7440-47-3	CHROMIUM, DISSOLVED	4.67	J		MS	5	5.0	0.22	4.0
7440-48-4	COBALT, DISSOLVED	0.079	J		MS	5	1.0	0.060	0.30
7440-50-8	COPPER, DISSOLVED	0.70	J	N*	MS	5	3.0	0.19	2.0
7439-89-6	IRON, DISSOLVED	198			P	1	100	5.4	80
7439-92-1	LEAD, DISSOLVED	0.094	J		MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, DISSOLVED	1570			P	1	100	7.8	80
7439-96-5	MANGANESE, DISSOLVED	463			P	1	5.0	1.1	4.0
7439-97-6	MERCURY, DISSOLVED	0.10	U		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, DISSOLVED	1.4	J		MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, DISSOLVED	528	J		P	1	1000	41.	500
7782-49-2	SELENIUM, DISSOLVED	0.39	J		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, DISSOLVED	0.40	U		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, DISSOLVED	4350			P	1	1000	24.	500
7440-28-0	THALLIUM, DISSOLVED	0.40	U		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, DISSOLVED	1.1	J		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, DISSOLVED	2.5	J		P	1	20	0.72	10

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-12-061714

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4401-008

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, TOTAL	269	J		P	1	300	15.	100
7440-36-0	ANTIMONY, TOTAL	0.10	J		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, TOTAL	4.0	U		MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, TOTAL	7.67			P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, TOTAL	0.20	U		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, TOTAL	1.60			MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, TOTAL	3780			P	1	100	11.	80
7440-47-3	CHROMIUM, TOTAL	4.32	J		MS	5	5.0	0.22	4.0
7440-48-4	COBALT, TOTAL	1.49			MS	5	1.0	0.060	0.30
7440-50-8	COPPER, TOTAL	1.2	J		MS	5	3.0	0.19	2.0
7439-89-6	IRON, TOTAL	744			P	1	100	5.4	80
7439-92-1	LEAD, TOTAL	0.63	J		MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, TOTAL	1330			P	1	100	7.8	80
7439-96-5	MANGANESE, TOTAL	1500			P	1	5.0	1.1	4.0
7439-97-6	MERCURY, TOTAL	0.043	J		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, TOTAL	1.79	J		MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, TOTAL	663	J		P	1	1000	41.	500
7782-49-2	SELENIUM, TOTAL	3.0	U		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, TOTAL	0.40	U		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, TOTAL	3960			P	1	1000	24.	500
7440-28-0	THALLIUM, TOTAL	0.40	U		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, TOTAL	1.6	J		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, TOTAL	3.8	J		P	1	20	0.72	10

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-12-061714

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4401-009

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, DISSOLVED	46	J		P	1	300	15.	100
7440-36-0	ANTIMONY, DISSOLVED	0.50	U		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, DISSOLVED	4.0	U		MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, DISSOLVED	4.71	J		P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, DISSOLVED	0.20	U		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, DISSOLVED	0.17	J		MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, DISSOLVED	4150			P	1	100	11.	80
7440-47-3	CHROMIUM, DISSOLVED	4.45	J		MS	5	5.0	0.22	4.0
7440-48-4	COBALT, DISSOLVED	1.47			MS	5	1.0	0.060	0.30
7440-50-8	COPPER, DISSOLVED	0.64	J		MS	5	3.0	0.19	2.0
7439-89-6	IRON, DISSOLVED	539			P	1	100	5.4	80
7439-92-1	LEAD, DISSOLVED	0.12	J		MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, DISSOLVED	1410			P	1	100	7.8	80
7439-96-5	MANGANESE, DISSOLVED	1570			P	1	5.0	1.1	4.0
7439-97-6	MERCURY, DISSOLVED	0.10	U		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, DISSOLVED	1.75	J		MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, DISSOLVED	730	J		P	1	1000	41.	500
7782-49-2	SELENIUM, DISSOLVED	3.0	U		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, DISSOLVED	0.40	U		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, DISSOLVED	4460			P	1	1000	24.	500
7440-28-0	THALLIUM, DISSOLVED	0.40	U		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, DISSOLVED	0.76	J		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, DISSOLVED	4.2	J		P	1	20	0.72	10

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-5-061814

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4401-010

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, TOTAL	89	J		P	1	300	15.	100
7440-36-0	ANTIMONY, TOTAL	0.068	J		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, TOTAL	3.9	J		MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, TOTAL	3.74	J		P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, TOTAL	0.20	U		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, TOTAL	0.13	J		MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, TOTAL	6530			P	1	100	11.	80
7440-47-3	CHROMIUM, TOTAL	5.15			MS	5	5.0	0.22	4.0
7440-48-4	COBALT, TOTAL	2.09			MS	5	1.0	0.060	0.30
7440-50-8	COPPER, TOTAL	1.5	J		MS	5	3.0	0.19	2.0
7439-89-6	IRON, TOTAL	1520			P	1	100	5.4	80
7439-92-1	LEAD, TOTAL	0.50	J		MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, TOTAL	1520			P	1	100	7.8	80
7439-96-5	MANGANESE, TOTAL	208			P	1	5.0	1.1	4.0
7439-97-6	MERCURY, TOTAL	0.038	J		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, TOTAL	2.39			MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, TOTAL	735	J		P	1	1000	41.	500
7782-49-2	SELENIUM, TOTAL	3.0	U		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, TOTAL	0.40	U		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, TOTAL	4600			P	1	1000	24.	500
7440-28-0	THALLIUM, TOTAL	0.40	U		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, TOTAL	1.5	J		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, TOTAL	2.1	J		P	1	20	0.72	10

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-5-061814

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4401-011

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, DISSOLVED	20	J		P	1	300	15.	100
7440-36-0	ANTIMONY, DISSOLVED	0.061	J		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, DISSOLVED	4.8	J		MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, DISSOLVED	3.33	J		P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, DISSOLVED	0.20	U		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, DISSOLVED	0.10	J		MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, DISSOLVED	6460			P	1	100	11.	80
7440-47-3	CHROMIUM, DISSOLVED	2.61	J		MS	5	5.0	0.22	4.0
7440-48-4	COBALT, DISSOLVED	1.86			MS	5	1.0	0.060	0.30
7440-50-8	COPPER, DISSOLVED	1.2	J		MS	5	3.0	0.19	2.0
7439-89-6	IRON, DISSOLVED	1400			P	1	100	5.4	80
7439-92-1	LEAD, DISSOLVED	0.12	J		MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, DISSOLVED	1470			P	1	100	7.8	80
7439-96-5	MANGANESE, DISSOLVED	203			P	1	5.0	1.1	4.0
7439-97-6	MERCURY, DISSOLVED	0.10	U		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, DISSOLVED	1.64	J		MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, DISSOLVED	715	J		P	1	1000	41.	500
7782-49-2	SELENIUM, DISSOLVED	3.0	U		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, DISSOLVED	0.40	U		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, DISSOLVED	4550			P	1	1000	24.	500
7440-28-0	THALLIUM, DISSOLVED	0.40	U		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, DISSOLVED	1.3	J		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, DISSOLVED	2.2	J		P	1	20	0.72	10

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-203-061814

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4401-012

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, TOTAL	19	J		P	1	300	15.	100
7440-36-0	ANTIMONY, TOTAL	0.50	U		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, TOTAL	4.0	U		MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, TOTAL	0.92	J		P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, TOTAL	0.20	U		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, TOTAL	0.074	J		MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, TOTAL	2940			P	1	100	11.	80
7440-47-3	CHROMIUM, TOTAL	3.06	J		MS	5	5.0	0.22	4.0
7440-48-4	COBALT, TOTAL	0.30	U		MS	5	1.0	0.060	0.30
7440-50-8	COPPER, TOTAL	0.76	J		MS	5	3.0	0.19	2.0
7439-89-6	IRON, TOTAL	80	U		P	1	100	5.4	80
7439-92-1	LEAD, TOTAL	0.21	J		MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, TOTAL	958			P	1	100	7.8	80
7439-96-5	MANGANESE, TOTAL	11.6			P	1	5.0	1.1	4.0
7439-97-6	MERCURY, TOTAL	0.045	J		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, TOTAL	0.71	J		MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, TOTAL	519	J		P	1	1000	41.	500
7782-49-2	SELENIUM, TOTAL	3.0	U		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, TOTAL	0.40	U		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, TOTAL	3200			P	1	1000	24.	500
7440-28-0	THALLIUM, TOTAL	0.40	U		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, TOTAL	1.4	J		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, TOTAL	3.2	J		P	1	20	0.72	10

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-203-061814

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4401-013

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, DISSOLVED	34	J		P	1	300	15.	100
7440-36-0	ANTIMONY, DISSOLVED	0.50	U		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, DISSOLVED	4.0	U		MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, DISSOLVED	1.1	J		P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, DISSOLVED	0.20	U		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, DISSOLVED	0.095	J		MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, DISSOLVED	2990			P	1	100	11.	80
7440-47-3	CHROMIUM, DISSOLVED	3.16	J		MS	5	5.0	0.22	4.0
7440-48-4	COBALT, DISSOLVED	0.30	U		MS	5	1.0	0.060	0.30
7440-50-8	COPPER, DISSOLVED	1.8	J		MS	5	3.0	0.19	2.0
7439-89-6	IRON, DISSOLVED	80	U		P	1	100	5.4	80
7439-92-1	LEAD, DISSOLVED	0.079	J		MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, DISSOLVED	983			P	1	100	7.8	80
7439-96-5	MANGANESE, DISSOLVED	12.6			P	1	5.0	1.1	4.0
7439-97-6	MERCURY, DISSOLVED	0.10	U		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, DISSOLVED	0.98	J		MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, DISSOLVED	536	J		P	1	1000	41.	500
7782-49-2	SELENIUM, DISSOLVED	3.0	U		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, DISSOLVED	0.40	U		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, DISSOLVED	3300			P	1	1000	24.	500
7440-28-0	THALLIUM, DISSOLVED	0.40	U		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, DISSOLVED	1.3	J		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, DISSOLVED	2.9	J		P	1	20	0.72	10

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-GW-DUP01-061814

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4401-014

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, TOTAL	100	J		P	1	300	15.	100
7440-36-0	ANTIMONY, TOTAL	0.055	J		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, TOTAL	4.9	J		MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, TOTAL	4.89	J		P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, TOTAL	0.20	U		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, TOTAL	0.11	J		MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, TOTAL	6720			P	1	100	11.	80
7440-47-3	CHROMIUM, TOTAL	3.35	J		MS	5	5.0	0.22	4.0
7440-48-4	COBALT, TOTAL	2.05			MS	5	1.0	0.060	0.30
7440-50-8	COPPER, TOTAL	1.3	J		MS	5	3.0	0.19	2.0
7439-89-6	IRON, TOTAL	1520			P	1	100	5.4	80
7439-92-1	LEAD, TOTAL	0.56	J		MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, TOTAL	1540			P	1	100	7.8	80
7439-96-5	MANGANESE, TOTAL	217			P	1	5.0	1.1	4.0
7439-97-6	MERCURY, TOTAL	0.048	J		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, TOTAL	1.73	J		MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, TOTAL	728	J		P	1	1000	41.	500
7782-49-2	SELENIUM, TOTAL	0.55	J		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, TOTAL	0.40	U		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, TOTAL	4750			P	1	1000	24.	500
7440-28-0	THALLIUM, TOTAL	0.40	U		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, TOTAL	1.5	J		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, TOTAL	1.8	J		P	1	20	0.72	10

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-GW-DUP01-061814

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4401-015

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, DISSOLVED	39	J		P	1	300	15.	100
7440-36-0	ANTIMONY, DISSOLVED	0.065	J		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, DISSOLVED	4.6	J		MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, DISSOLVED	3.09	J		P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, DISSOLVED	0.20	U		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, DISSOLVED	0.092	J		MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, DISSOLVED	6380			P	1	100	11.	80
7440-47-3	CHROMIUM, DISSOLVED	1.6	J		MS	5	5.0	0.22	4.0
7440-48-4	COBALT, DISSOLVED	1.87			MS	5	1.0	0.060	0.30
7440-50-8	COPPER, DISSOLVED	0.68	J		MS	5	3.0	0.19	2.0
7439-89-6	IRON, DISSOLVED	1380			P	1	100	5.4	80
7439-92-1	LEAD, DISSOLVED	0.12	J		MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, DISSOLVED	1450			P	1	100	7.8	80
7439-96-5	MANGANESE, DISSOLVED	206			P	1	5.0	1.1	4.0
7439-97-6	MERCURY, DISSOLVED	0.10	U		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, DISSOLVED	0.88	J		MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, DISSOLVED	684	J		P	1	1000	41.	500
7782-49-2	SELENIUM, DISSOLVED	3.0	U		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, DISSOLVED	0.40	U		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, DISSOLVED	4480			P	1	1000	24.	500
7440-28-0	THALLIUM, DISSOLVED	0.40	U		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, DISSOLVED	1.6	J		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, DISSOLVED	1.8	J		P	1	20	0.72	10

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-218-061814

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4401-016

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, TOTAL	276	J		P	1	300	15.	100
7440-36-0	ANTIMONY, TOTAL	0.073	J		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, TOTAL	4.0	U		MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, TOTAL	6.72			P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, TOTAL	0.059	J		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, TOTAL	0.098	J		MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, TOTAL	1150			P	1	100	11.	80
7440-47-3	CHROMIUM, TOTAL	1.9	J		MS	5	5.0	0.22	4.0
7440-48-4	COBALT, TOTAL	1.03			MS	5	1.0	0.060	0.30
7440-50-8	COPPER, TOTAL	0.67	J		MS	5	3.0	0.19	2.0
7439-89-6	IRON, TOTAL	128			P	1	100	5.4	80
7439-92-1	LEAD, TOTAL	0.19	J		MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, TOTAL	867			P	1	100	7.8	80
7439-96-5	MANGANESE, TOTAL	28.7			P	1	5.0	1.1	4.0
7439-97-6	MERCURY, TOTAL	0.042	J		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, TOTAL	1.92	J		MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, TOTAL	190	J		P	1	1000	41.	500
7782-49-2	SELENIUM, TOTAL	3.0	U		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, TOTAL	0.40	U		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, TOTAL	6800			P	1	1000	24.	500
7440-28-0	THALLIUM, TOTAL	0.40	U		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, TOTAL	0.70	J		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, TOTAL	2.7	J		P	1	20	0.72	10

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-218-061814

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4401-017

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, DISSOLVED	140	J		P	1	300	15.	100
7440-36-0	ANTIMONY, DISSOLVED	0.50	U		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, DISSOLVED	4.0	U		MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, DISSOLVED	6.50			P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, DISSOLVED	0.078	J		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, DISSOLVED	0.080	J		MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, DISSOLVED	1170			P	1	100	11.	80
7440-47-3	CHROMIUM, DISSOLVED	1.7	J		MS	5	5.0	0.22	4.0
7440-48-4	COBALT, DISSOLVED	1.00			MS	5	1.0	0.060	0.30
7440-50-8	COPPER, DISSOLVED	0.92	J		MS	5	3.0	0.19	2.0
7439-89-6	IRON, DISSOLVED	80	U		P	1	100	5.4	80
7439-92-1	LEAD, DISSOLVED	0.077	J		MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, DISSOLVED	858			P	1	100	7.8	80
7439-96-5	MANGANESE, DISSOLVED	25.7			P	1	5.0	1.1	4.0
7439-97-6	MERCURY, DISSOLVED	0.10	U		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, DISSOLVED	2.01			MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, DISSOLVED	160	J		P	1	1000	41.	500
7782-49-2	SELENIUM, DISSOLVED	3.0	U		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, DISSOLVED	0.40	U		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, DISSOLVED	6910			P	1	1000	24.	500
7440-28-0	THALLIUM, DISSOLVED	0.40	U		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, DISSOLVED	1.1	J		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, DISSOLVED	2.6	J		P	1	20	0.72	10

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-206-061814

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4401-018

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, TOTAL	34	J		P	1	300	15.	100
7440-36-0	ANTIMONY, TOTAL	0.14	J		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, TOTAL	2.5	J		MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, TOTAL	7.17			P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, TOTAL	0.20	U		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, TOTAL	0.079	J		MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, TOTAL	41700			P	1	100	11.	80
7440-47-3	CHROMIUM, TOTAL	0.81	J		MS	5	5.0	0.22	4.0
7440-48-4	COBALT, TOTAL	1.02			MS	5	1.0	0.060	0.30
7440-50-8	COPPER, TOTAL	0.25	J		MS	5	3.0	0.19	2.0
7439-89-6	IRON, TOTAL	80	U		P	1	100	5.4	80
7439-92-1	LEAD, TOTAL	0.12	J		MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, TOTAL	7590			P	1	100	7.8	80
7439-96-5	MANGANESE, TOTAL	220			P	1	5.0	1.1	4.0
7439-97-6	MERCURY, TOTAL	0.040	J		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, TOTAL	0.84	J		MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, TOTAL	1560			P	1	1000	41.	500
7782-49-2	SELENIUM, TOTAL	3.0	U		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, TOTAL	0.40	U		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, TOTAL	7850			P	1	1000	24.	500
7440-28-0	THALLIUM, TOTAL	0.40	U		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, TOTAL	0.61	J		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, TOTAL	4.6	J		P	1	20	0.72	10

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-206-061814

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4401-019

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, DISSOLVED	35	J		P	1	300	15.	100
7440-36-0	ANTIMONY, DISSOLVED	0.14	J		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, DISSOLVED	2.6	J		MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, DISSOLVED	6.20			P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, DISSOLVED	0.20	U		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, DISSOLVED	0.090	J		MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, DISSOLVED	38600		NA	P	1	100	11.	80
7440-47-3	CHROMIUM, DISSOLVED	1.1	J		MS	5	5.0	0.22	4.0
7440-48-4	COBALT, DISSOLVED	0.989	J		MS	5	1.0	0.060	0.30
7440-50-8	COPPER, DISSOLVED	0.78	J		MS	5	3.0	0.19	2.0
7439-89-6	IRON, DISSOLVED	80	U		P	1	100	5.4	80
7439-92-1	LEAD, DISSOLVED	0.082	J		MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, DISSOLVED	8300			P	1	100	7.8	80
7439-96-5	MANGANESE, DISSOLVED	210			P	1	5.0	1.1	4.0
7439-97-6	MERCURY, DISSOLVED	0.10	U		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, DISSOLVED	0.98	J		MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, DISSOLVED	1490			P	1	1000	41.	500
7782-49-2	SELENIUM, DISSOLVED	3.0	U		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, DISSOLVED	0.40	U		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, DISSOLVED	7390			P	1	1000	24.	500
7440-28-0	THALLIUM, DISSOLVED	0.38	J		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, DISSOLVED	4.0	U		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, DISSOLVED	1.0	J		P	1	20	0.72	10

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-14-061714

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4401-020

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, TOTAL	279	J		P	1	300	15.	100
7440-36-0	ANTIMONY, TOTAL	0.12	J		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, TOTAL	4.0	U		MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, TOTAL	5.82			P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, TOTAL	0.064	J		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, TOTAL	0.13	J		MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, TOTAL	6660			P	1	100	11.	80
7440-47-3	CHROMIUM, TOTAL	1.8	J		MS	5	5.0	0.22	4.0
7440-48-4	COBALT, TOTAL	0.27	J		MS	5	1.0	0.060	0.30
7440-50-8	COPPER, TOTAL	0.98	J		MS	5	3.0	0.19	2.0
7439-89-6	IRON, TOTAL	827			P	1	100	5.4	80
7439-92-1	LEAD, TOTAL	0.33	J		MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, TOTAL	2430			P	1	100	7.8	80
7439-96-5	MANGANESE, TOTAL	70.0			P	1	5.0	1.1	4.0
7439-97-6	MERCURY, TOTAL	0.044	J		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, TOTAL	0.62	J		MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, TOTAL	893	J		P	1	1000	41.	500
7782-49-2	SELENIUM, TOTAL	3.0	U		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, TOTAL	0.40	U		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, TOTAL	6090			P	1	1000	24.	500
7440-28-0	THALLIUM, TOTAL	0.14	J		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, TOTAL	1.4	J		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, TOTAL	2.1	J		P	1	20	0.72	10

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-14-061714

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4401-021

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, DISSOLVED	97	J		P	1	300	15.	100
7440-36-0	ANTIMONY, DISSOLVED	0.50	U		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, DISSOLVED	4.0	U		MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, DISSOLVED	3.92	J		P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, DISSOLVED	0.044	J		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, DISSOLVED	0.050	J		MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, DISSOLVED	6860			P	1	100	11.	80
7440-47-3	CHROMIUM, DISSOLVED	1.6	J		MS	5	5.0	0.22	4.0
7440-48-4	COBALT, DISSOLVED	0.23	J		MS	5	1.0	0.060	0.30
7440-50-8	COPPER, DISSOLVED	0.45	J		MS	5	3.0	0.19	2.0
7439-89-6	IRON, DISSOLVED	745			P	1	100	5.4	80
7439-92-1	LEAD, DISSOLVED	0.12	J		MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, DISSOLVED	2430			P	1	100	7.8	80
7439-96-5	MANGANESE, DISSOLVED	70.2			P	1	5.0	1.1	4.0
7439-97-6	MERCURY, DISSOLVED	0.10	U		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, DISSOLVED	0.59	J		MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, DISSOLVED	941	J		P	1	1000	41.	500
7782-49-2	SELENIUM, DISSOLVED	3.0	U		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, DISSOLVED	0.40	U		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, DISSOLVED	6240			P	1	1000	24.	500
7440-28-0	THALLIUM, DISSOLVED	0.11	J		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, DISSOLVED	1.6	J		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, DISSOLVED	2.5	J		P	1	20	0.72	10

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-208-061814

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4521-002

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, TOTAL	648			P	1	300	15.	100
7440-36-0	ANTIMONY, TOTAL	0.22	J		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, TOTAL	4.0	U		MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, TOTAL	8.43			P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, TOTAL	0.20	U		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, TOTAL	0.057	J		MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, TOTAL	6180			P	1	100	11.	80
7440-47-3	CHROMIUM, TOTAL	2.55	J		MS	5	5.0	0.22	4.0
7440-48-4	COBALT, TOTAL	0.46	J		MS	5	1.0	0.060	0.30
7440-50-8	COPPER, TOTAL	2.11	J		MS	5	3.0	0.19	2.0
7439-89-6	IRON, TOTAL	766			P	1	100	5.4	80
7439-92-1	LEAD, TOTAL	0.56	J		MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, TOTAL	2150			P	1	100	7.8	80
7439-96-5	MANGANESE, TOTAL	53.8			P	1	5.0	1.1	4.0
7439-97-6	MERCURY, TOTAL	0.041	J		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, TOTAL	1.54	J		MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, TOTAL	1090			P	1	1000	41.	500
7782-49-2	SELENIUM, TOTAL	1.2	J		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, TOTAL	0.40	U		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, TOTAL	9180			P	1	1000	24.	500
7440-28-0	THALLIUM, TOTAL	0.40	U		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, TOTAL	2.0	J		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, TOTAL	3.0	J		P	1	20	0.72	10

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-208-061814

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4521-003

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, DISSOLVED	100	U		P	1	300	15.	100
7440-36-0	ANTIMONY, DISSOLVED	0.13	J		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, DISSOLVED	4.0	U		MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, DISSOLVED	4.67	J		P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, DISSOLVED	0.20	U		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, DISSOLVED	0.056	J		MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, DISSOLVED	6120			P	1	100	11.	80
7440-47-3	CHROMIUM, DISSOLVED	1.2	J		MS	5	5.0	0.22	4.0
7440-48-4	COBALT, DISSOLVED	0.30	U		MS	5	1.0	0.060	0.30
7440-50-8	COPPER, DISSOLVED	1.2	J		MS	5	3.0	0.19	2.0
7439-89-6	IRON, DISSOLVED	7.8	J		P	1	100	5.4	80
7439-92-1	LEAD, DISSOLVED	0.50	U		MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, DISSOLVED	1990			P	1	100	7.8	80
7439-96-5	MANGANESE, DISSOLVED	41.8			P	1	5.0	1.1	4.0
7439-97-6	MERCURY, DISSOLVED	0.10	U		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, DISSOLVED	0.57	J		MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, DISSOLVED	966	J		P	1	1000	41.	500
7782-49-2	SELENIUM, DISSOLVED	0.88	J		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, DISSOLVED	0.40	U		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, DISSOLVED	9000			P	1	1000	24.	500
7440-28-0	THALLIUM, DISSOLVED	0.40	U		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, DISSOLVED	0.68	J		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, DISSOLVED	0.89	J		P	1	20	0.72	10

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-1-061814

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4521-004

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, TOTAL	1660			P	1	300	15.	100
7440-36-0	ANTIMONY, TOTAL	0.15	J		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, TOTAL	7.9			MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, TOTAL	8.98			P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, TOTAL	0.078	J		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, TOTAL	0.042	J		MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, TOTAL	19200			P	1	100	11.	80
7440-47-3	CHROMIUM, TOTAL	4.08	J		MS	5	5.0	0.22	4.0
7440-48-4	COBALT, TOTAL	0.899	J		MS	5	1.0	0.060	0.30
7440-50-8	COPPER, TOTAL	3.36			MS	5	3.0	0.19	2.0
7439-89-6	IRON, TOTAL	1890			P	1	100	5.4	80
7439-92-1	LEAD, TOTAL	2.50			MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, TOTAL	2880			P	1	100	7.8	80
7439-96-5	MANGANESE, TOTAL	34.8			P	1	5.0	1.1	4.0
7439-97-6	MERCURY, TOTAL	0.038	J		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, TOTAL	6.24			MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, TOTAL	1370			P	1	1000	41.	500
7782-49-2	SELENIUM, TOTAL	1.2	J		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, TOTAL	0.40	U		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, TOTAL	4990			P	1	1000	24.	500
7440-28-0	THALLIUM, TOTAL	0.40	U		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, TOTAL	3.6	J		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, TOTAL	8.09	J		P	1	20	0.72	10

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-1-061814

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4521-005

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, DISSOLVED	27	J		P	1	300	15.	100
7440-36-0	ANTIMONY, DISSOLVED	0.12	J		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, DISSOLVED	6.4			MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, DISSOLVED	2.36	J		P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, DISSOLVED	0.20	U		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, DISSOLVED	0.19	J		MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, DISSOLVED	19100			P	1	100	11.	80
7440-47-3	CHROMIUM, DISSOLVED	1.0	J		MS	5	5.0	0.22	4.0
7440-48-4	COBALT, DISSOLVED	0.072	J		MS	5	1.0	0.060	0.30
7440-50-8	COPPER, DISSOLVED	1.3	J		MS	5	3.0	0.19	2.0
7439-89-6	IRON, DISSOLVED	12	J		P	1	100	5.4	80
7439-92-1	LEAD, DISSOLVED	0.091	J		MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, DISSOLVED	2410			P	1	100	7.8	80
7439-96-5	MANGANESE, DISSOLVED	1.8	J		P	1	5.0	1.1	4.0
7439-97-6	MERCURY, DISSOLVED	0.10	U		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, DISSOLVED	3.88			MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, DISSOLVED	1100			P	1	1000	41.	500
7782-49-2	SELENIUM, DISSOLVED	1.3	J		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, DISSOLVED	0.40	U		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, DISSOLVED	4900			P	1	1000	24.	500
7440-28-0	THALLIUM, DISSOLVED	0.40	U		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, DISSOLVED	1.0	J		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, DISSOLVED	4.0	J		P	1	20	0.72	10

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-GW-DUP02-061814

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4521-006

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, TOTAL	619			P	1	300	15.	100
7440-36-0	ANTIMONY, TOTAL	0.18	J		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, TOTAL	2.5	J		MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, TOTAL	7.81			P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, TOTAL	0.20	U		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, TOTAL	0.053	J		MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, TOTAL	6270			P	1	100	11.	80
7440-47-3	CHROMIUM, TOTAL	2.49	J		MS	5	5.0	0.22	4.0
7440-48-4	COBALT, TOTAL	0.45	J		MS	5	1.0	0.060	0.30
7440-50-8	COPPER, TOTAL	2.18	J		MS	5	3.0	0.19	2.0
7439-89-6	IRON, TOTAL	777			P	1	100	5.4	80
7439-92-1	LEAD, TOTAL	0.63	J		MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, TOTAL	2190			P	1	100	7.8	80
7439-96-5	MANGANESE, TOTAL	52.4			P	1	5.0	1.1	4.0
7439-97-6	MERCURY, TOTAL	0.032	J		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, TOTAL	1.4	J		MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, TOTAL	1090			P	1	1000	41.	500
7782-49-2	SELENIUM, TOTAL	1.6	J		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, TOTAL	0.40	U		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, TOTAL	9310			P	1	1000	24.	500
7440-28-0	THALLIUM, TOTAL	0.40	U		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, TOTAL	1.6	J		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, TOTAL	3.5	J		P	1	20	0.72	10

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-GW-DUP02-061814

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4521-007

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, DISSOLVED	23	J		P	1	300	15.	100
7440-36-0	ANTIMONY, DISSOLVED	0.15	J		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, DISSOLVED	4.0	U		MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, DISSOLVED	4.57	J		P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, DISSOLVED	0.20	U		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, DISSOLVED	0.065	J		MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, DISSOLVED	6360			P	1	100	11.	80
7440-47-3	CHROMIUM, DISSOLVED	1.7	J		MS	5	5.0	0.22	4.0
7440-48-4	COBALT, DISSOLVED	0.30	U		MS	5	1.0	0.060	0.30
7440-50-8	COPPER, DISSOLVED	8.62			MS	5	3.0	0.19	2.0
7439-89-6	IRON, DISSOLVED	80	U		P	1	100	5.4	80
7439-92-1	LEAD, DISSOLVED	0.27	J		MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, DISSOLVED	2070			P	1	100	7.8	80
7439-96-5	MANGANESE, DISSOLVED	43.1			P	1	5.0	1.1	4.0
7439-97-6	MERCURY, DISSOLVED	0.10	U		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, DISSOLVED	0.60	J		MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, DISSOLVED	979	J		P	1	1000	41.	500
7782-49-2	SELENIUM, DISSOLVED	1.2	J		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, DISSOLVED	0.40	U		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, DISSOLVED	9240			P	1	1000	24.	500
7440-28-0	THALLIUM, DISSOLVED	0.40	U		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, DISSOLVED	1.4	J		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, DISSOLVED	5.1	J		P	1	20	0.72	10

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-210-061814

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4521-008

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, TOTAL	24	J		P	1	300	15.	100
7440-36-0	ANTIMONY, TOTAL	0.13	J		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, TOTAL	4.0	U		MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, TOTAL	6.06			P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, TOTAL	0.20	U		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, TOTAL	0.059	J		MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, TOTAL	33000		N	P	1	100	11.	80
7440-47-3	CHROMIUM, TOTAL	0.73	J		MS	5	5.0	0.22	4.0
7440-48-4	COBALT, TOTAL	0.15	J		MS	5	1.0	0.060	0.30
7440-50-8	COPPER, TOTAL	4.26			MS	5	3.0	0.19	2.0
7439-89-6	IRON, TOTAL	80	U		P	1	100	5.4	80
7439-92-1	LEAD, TOTAL	0.21	J		MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, TOTAL	6100			P	1	100	7.8	80
7439-96-5	MANGANESE, TOTAL	47.0			P	1	5.0	1.1	4.0
7439-97-6	MERCURY, TOTAL	0.048	J		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, TOTAL	1.86	J		MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, TOTAL	1540			P	1	1000	41.	500
7782-49-2	SELENIUM, TOTAL	0.29	J		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, TOTAL	0.40	U		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, TOTAL	7990			P	1	1000	24.	500
7440-28-0	THALLIUM, TOTAL	0.40	U		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, TOTAL	1.1	J		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, TOTAL	4.9	J		P	1	20	0.72	10

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-210-061814

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4521-009

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, DISSOLVED	32	J		P	1	300	15.	100
7440-36-0	ANTIMONY, DISSOLVED	0.14	J		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, DISSOLVED	4.0	U		MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, DISSOLVED	6.01			P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, DISSOLVED	0.20	U		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, DISSOLVED	0.14	J		MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, DISSOLVED	32800		N	P	1	100	11.	80
7440-47-3	CHROMIUM, DISSOLVED	0.78	J		MS	5	5.0	0.22	4.0
7440-48-4	COBALT, DISSOLVED	0.26	J		MS	5	1.0	0.060	0.30
7440-50-8	COPPER, DISSOLVED	1.2	J		MS	5	3.0	0.19	2.0
7439-89-6	IRON, DISSOLVED	80	U		P	1	100	5.4	80
7439-92-1	LEAD, DISSOLVED	0.13	J		MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, DISSOLVED	6160			P	1	100	7.8	80
7439-96-5	MANGANESE, DISSOLVED	47.0			P	1	5.0	1.1	4.0
7439-97-6	MERCURY, DISSOLVED	0.10	U		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, DISSOLVED	2.14			MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, DISSOLVED	1570			P	1	1000	41.	500
7782-49-2	SELENIUM, DISSOLVED	1.4	J		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, DISSOLVED	0.40	U		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, DISSOLVED	7850			P	1	1000	24.	500
7440-28-0	THALLIUM, DISSOLVED	0.40	U		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, DISSOLVED	1.2	J		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, DISSOLVED	1.7	J		P	1	20	0.72	10

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-SW-01-061914

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4521-010

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, TOTAL	88	J		P	1	300	15.	100
7440-36-0	ANTIMONY, TOTAL	0.14	J		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, TOTAL	4.0	U		MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, TOTAL	4.44	J		P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, TOTAL	0.20	U		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, TOTAL	0.066	J		MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, TOTAL	7880			P	1	100	11.	80
7440-47-3	CHROMIUM, TOTAL	0.99	J		MS	5	5.0	0.22	4.0
7440-48-4	COBALT, TOTAL	0.851	J		MS	5	1.0	0.060	0.30
7440-50-8	COPPER, TOTAL	2.74	J		MS	5	3.0	0.19	2.0
7439-89-6	IRON, TOTAL	335			P	1	100	5.4	80
7439-92-1	LEAD, TOTAL	0.26	J		MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, TOTAL	1990			P	1	100	7.8	80
7439-96-5	MANGANESE, TOTAL	57.4			P	1	5.0	1.1	4.0
7439-97-6	MERCURY, TOTAL	0.032	J		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, TOTAL	0.93	J		MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, TOTAL	947	J		P	1	1000	41.	500
7782-49-2	SELENIUM, TOTAL	0.34	J		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, TOTAL	0.40	U		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, TOTAL	3680			P	1	1000	24.	500
7440-28-0	THALLIUM, TOTAL	0.40	U		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, TOTAL	0.77	J		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, TOTAL	3.3	J		P	1	20	0.72	10

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-SW-01-061914

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4521-011

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, DISSOLVED	38	J		P	1	300	15.	100
7440-36-0	ANTIMONY, DISSOLVED	0.094	J		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, DISSOLVED	4.0	U		MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, DISSOLVED	3.75	J		P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, DISSOLVED	0.20	U		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, DISSOLVED	0.062	J		MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, DISSOLVED	7800			P	1	100	11.	80
7440-47-3	CHROMIUM, DISSOLVED	0.71	J		MS	5	5.0	0.22	4.0
7440-48-4	COBALT, DISSOLVED	0.732	J		MS	5	1.0	0.060	0.30
7440-50-8	COPPER, DISSOLVED	2.68	J		MS	5	3.0	0.19	2.0
7439-89-6	IRON, DISSOLVED	157			P	1	100	5.4	80
7439-92-1	LEAD, DISSOLVED	0.12	J		MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, DISSOLVED	1940			P	1	100	7.8	80
7439-96-5	MANGANESE, DISSOLVED	54.9			P	1	5.0	1.1	4.0
7439-97-6	MERCURY, DISSOLVED	0.10	U		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, DISSOLVED	1.0	J		MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, DISSOLVED	927	J		P	1	1000	41.	500
7782-49-2	SELENIUM, DISSOLVED	1.0	J		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, DISSOLVED	0.40	U		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, DISSOLVED	3670			P	1	1000	24.	500
7440-28-0	THALLIUM, DISSOLVED	0.40	U		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, DISSOLVED	1.2	J		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, DISSOLVED	3.6	J		P	1	20	0.72	10

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-SW-02-061914

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4521-012

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, TOTAL	1590			P	1	300	15.	100
7440-36-0	ANTIMONY, TOTAL	0.16	J		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, TOTAL	3.6	J		MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, TOTAL	11.5			P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, TOTAL	0.070	J		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, TOTAL	2.14			MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, TOTAL	8660			P	1	100	11.	80
7440-47-3	CHROMIUM, TOTAL	2.82	J		MS	5	5.0	0.22	4.0
7440-48-4	COBALT, TOTAL	1.00			MS	5	1.0	0.060	0.30
7440-50-8	COPPER, TOTAL	9.42			MS	5	3.0	0.19	2.0
7439-89-6	IRON, TOTAL	1650			P	1	100	5.4	80
7439-92-1	LEAD, TOTAL	2.02			MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, TOTAL	1860			P	1	100	7.8	80
7439-96-5	MANGANESE, TOTAL	31.1			P	1	5.0	1.1	4.0
7439-97-6	MERCURY, TOTAL	0.10	U		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, TOTAL	8.09			MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, TOTAL	1360			P	1	1000	41.	500
7782-49-2	SELENIUM, TOTAL	0.77	J		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, TOTAL	0.40	U		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, TOTAL	3770			P	1	1000	24.	500
7440-28-0	THALLIUM, TOTAL	0.32	J		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, TOTAL	3.9	J		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, TOTAL	5.7	J		P	1	20	0.72	10

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-SW-02-061914

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4521-013

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, DISSOLVED	94	J		P	1	300	15.	100
7440-36-0	ANTIMONY, DISSOLVED	0.11	J		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, DISSOLVED	3.3	J		MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, DISSOLVED	3.04	J		P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, DISSOLVED	0.20	U		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, DISSOLVED	0.059	J		MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, DISSOLVED	8590			P	1	100	11.	80
7440-47-3	CHROMIUM, DISSOLVED	1.1	J		MS	5	5.0	0.22	4.0
7440-48-4	COBALT, DISSOLVED	0.16	J		MS	5	1.0	0.060	0.30
7440-50-8	COPPER, DISSOLVED	6.60			MS	5	3.0	0.19	2.0
7439-89-6	IRON, DISSOLVED	134			P	1	100	5.4	80
7439-92-1	LEAD, DISSOLVED	0.12	J		MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, DISSOLVED	1600			P	1	100	7.8	80
7439-96-5	MANGANESE, DISSOLVED	15.4			P	1	5.0	1.1	4.0
7439-97-6	MERCURY, DISSOLVED	0.10	U		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, DISSOLVED	1.4	J		MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, DISSOLVED	1050			P	1	1000	41.	500
7782-49-2	SELENIUM, DISSOLVED	0.80	J		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, DISSOLVED	0.40	U		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, DISSOLVED	3760			P	1	1000	24.	500
7440-28-0	THALLIUM, DISSOLVED	0.40	U		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, DISSOLVED	1.4	J		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, DISSOLVED	1.9	J		P	1	20	0.72	10

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-SW-03-061914

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4521-014

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, TOTAL	120	J		P	1	300	15.	100
7440-36-0	ANTIMONY, TOTAL	0.096	J		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, TOTAL	4.0	U	A	MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, TOTAL	12.8			P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, TOTAL	0.20	U		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, TOTAL	0.18	J		MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, TOTAL	6280		N	P	1	100	11.	80
7440-47-3	CHROMIUM, TOTAL	1.2	J		MS	5	5.0	0.22	4.0
7440-48-4	COBALT, TOTAL	1.24			MS	5	1.0	0.060	0.30
7440-50-8	COPPER, TOTAL	8.54			MS	5	3.0	0.19	2.0
7439-89-6	IRON, TOTAL	380			P	1	100	5.4	80
7439-92-1	LEAD, TOTAL	1.59			MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, TOTAL	1360			P	1	100	7.8	80
7439-96-5	MANGANESE, TOTAL	41.3			P	1	5.0	1.1	4.0
7439-97-6	MERCURY, TOTAL	0.10	U		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, TOTAL	2.24			MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, TOTAL	1490			P	1	1000	41.	500
7782-49-2	SELENIUM, TOTAL	0.98	J		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, TOTAL	0.070	J		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, TOTAL	3470			P	1	1000	24.	500
7440-28-0	THALLIUM, TOTAL	0.077	J		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, TOTAL	1.7	J		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, TOTAL	13.7	J		P	1	20	0.72	10

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-SW-03-061914

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4521-015

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, DISSOLVED	49	J		P	1	300	15.	100
7440-36-0	ANTIMONY, DISSOLVED	0.14	J		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, DISSOLVED	4.0	U		MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, DISSOLVED	11.9			P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, DISSOLVED	0.20	U		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, DISSOLVED	0.12	J		MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, DISSOLVED	6660		N	P	1	100	11.	80
7440-47-3	CHROMIUM, DISSOLVED	1.1	J		MS	5	5.0	0.22	4.0
7440-48-4	COBALT, DISSOLVED	1.12			MS	5	1.0	0.060	0.30
7440-50-8	COPPER, DISSOLVED	4.01			MS	5	3.0	0.19	2.0
7439-89-6	IRON, DISSOLVED	215			P	1	100	5.4	80
7439-92-1	LEAD, DISSOLVED	0.46	J		MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, DISSOLVED	1410			P	1	100	7.8	80
7439-96-5	MANGANESE, DISSOLVED	38.3			P	1	5.0	1.1	4.0
7439-97-6	MERCURY, DISSOLVED	0.10	U		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, DISSOLVED	2.04			MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, DISSOLVED	1460			P	1	1000	41.	500
7782-49-2	SELENIUM, DISSOLVED	0.80	J		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, DISSOLVED	0.40	U		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, DISSOLVED	3740			P	1	1000	24.	500
7440-28-0	THALLIUM, DISSOLVED	0.067	J		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, DISSOLVED	1.3	J		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, DISSOLVED	10.4	J		P	1	20	0.72	10

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-SW-06-061914

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4521-016

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, TOTAL	90	J		P	1	300	15.	100
7440-36-0	ANTIMONY, TOTAL	0.15	J		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, TOTAL	7.9			MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, TOTAL	17.4			P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, TOTAL	0.20	U		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, TOTAL	0.11	J		MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, TOTAL	46200			P	1	100	11.	80
7440-47-3	CHROMIUM, TOTAL	1.2	J		MS	5	5.0	0.22	4.0
7440-48-4	COBALT, TOTAL	5.06			MS	5	1.0	0.060	0.30
7440-50-8	COPPER, TOTAL	3.21			MS	5	3.0	0.19	2.0
7439-89-6	IRON, TOTAL	5890			P	1	100	5.4	80
7439-92-1	LEAD, TOTAL	0.41	J		MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, TOTAL	3990			P	1	100	7.8	80
7439-96-5	MANGANESE, TOTAL	1080			P	1	5.0	1.1	4.0
7439-97-6	MERCURY, TOTAL	0.10	U		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, TOTAL	1.87	J		MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, TOTAL	1240			P	1	1000	41.	500
7782-49-2	SELENIUM, TOTAL	0.88	J		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, TOTAL	0.40	U		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, TOTAL	3490			P	1	1000	24.	500
7440-28-0	THALLIUM, TOTAL	0.40	U		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, TOTAL	1.6	J		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, TOTAL	4.6	J		P	1	20	0.72	10

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-SW-06-061914

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4521-017

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, DISSOLVED	48	J		P	1	300	15.	100
7440-36-0	ANTIMONY, DISSOLVED	0.099	J		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, DISSOLVED	6.5			MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, DISSOLVED	3.00	J		P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, DISSOLVED	0.20	U		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, DISSOLVED	0.069	J		MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, DISSOLVED	48500			P	1	100	11.	80
7440-47-3	CHROMIUM, DISSOLVED	1.0	J		MS	5	5.0	0.22	4.0
7440-48-4	COBALT, DISSOLVED	4.25			MS	5	1.0	0.060	0.30
7440-50-8	COPPER, DISSOLVED	1.4	J		MS	5	3.0	0.19	2.0
7439-89-6	IRON, DISSOLVED	664			P	1	100	5.4	80
7439-92-1	LEAD, DISSOLVED	0.11	J		MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, DISSOLVED	4360			P	1	100	7.8	80
7439-96-5	MANGANESE, DISSOLVED	1010			P	1	5.0	1.1	4.0
7439-97-6	MERCURY, DISSOLVED	0.10	U		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, DISSOLVED	1.83	J		MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, DISSOLVED	1320			P	1	1000	41.	500
7782-49-2	SELENIUM, DISSOLVED	1.4	J		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, DISSOLVED	0.40	U		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, DISSOLVED	3780			P	1	1000	24.	500
7440-28-0	THALLIUM, DISSOLVED	0.40	U		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, DISSOLVED	1.3	J		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, DISSOLVED	2.4	J		P	1	20	0.72	10

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-SW-07-061914

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4521-018

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, TOTAL	110	J		P	1	300	15.	100
7440-36-0	ANTIMONY, TOTAL	0.19	J		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, TOTAL	7.9			MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, TOTAL	4.29	J		P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, TOTAL	0.20	U		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, TOTAL	0.069	J		MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, TOTAL	52500			P	1	100	11.	80
7440-47-3	CHROMIUM, TOTAL	1.0	J		MS	5	5.0	0.22	4.0
7440-48-4	COBALT, TOTAL	1.38			MS	5	1.0	0.060	0.30
7440-50-8	COPPER, TOTAL	2.30	J		MS	5	3.0	0.19	2.0
7439-89-6	IRON, TOTAL	2340			P	1	100	5.4	80
7439-92-1	LEAD, TOTAL	0.27	J		MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, TOTAL	5260			P	1	100	7.8	80
7439-96-5	MANGANESE, TOTAL	432			P	1	5.0	1.1	4.0
7439-97-6	MERCURY, TOTAL	0.10	U		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, TOTAL	1.66	J		MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, TOTAL	3180			P	1	1000	41.	500
7782-49-2	SELENIUM, TOTAL	1.4	J		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, TOTAL	0.40	U		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, TOTAL	3660			P	1	1000	24.	500
7440-28-0	THALLIUM, TOTAL	0.40	U		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, TOTAL	0.93	J		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, TOTAL	5.4	J		P	1	20	0.72	10

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-SW-07-061914

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4521-019

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, DISSOLVED	62	J		P	1	300	15.	100
7440-36-0	ANTIMONY, DISSOLVED	0.21	J		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, DISSOLVED	6.2			MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, DISSOLVED	2.2	J		P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, DISSOLVED	0.20	U		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, DISSOLVED	0.052	J		MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, DISSOLVED	56600			P	1	100	11.	80
7440-47-3	CHROMIUM, DISSOLVED	1.2	J		MS	5	5.0	0.22	4.0
7440-48-4	COBALT, DISSOLVED	1.35			MS	5	1.0	0.060	0.30
7440-50-8	COPPER, DISSOLVED	1.8	J		MS	5	3.0	0.19	2.0
7439-89-6	IRON, DISSOLVED	833			P	1	100	5.4	80
7439-92-1	LEAD, DISSOLVED	0.12	J		MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, DISSOLVED	5840			P	1	100	7.8	80
7439-96-5	MANGANESE, DISSOLVED	372			P	1	5.0	1.1	4.0
7439-97-6	MERCURY, DISSOLVED	0.045	J		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, DISSOLVED	1.76	J		MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, DISSOLVED	2910			P	1	1000	41.	500
7782-49-2	SELENIUM, DISSOLVED	0.86	J		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, DISSOLVED	0.40	U		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, DISSOLVED	3930			P	1	1000	24.	500
7440-28-0	THALLIUM, DISSOLVED	0.40	U		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, DISSOLVED	1.4	J		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, DISSOLVED	5.6	J		P	1	20	0.72	10

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-SW-08-061914

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4521-020

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, TOTAL	56	J		P	1	300	15.	100
7440-36-0	ANTIMONY, TOTAL	0.090	J		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, TOTAL	5.1			MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, TOTAL	1.8	J		P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, TOTAL	0.20	U		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, TOTAL	0.032	J		MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, TOTAL	27600			P	1	100	11.	80
7440-47-3	CHROMIUM, TOTAL	0.88	J		MS	5	5.0	0.22	4.0
7440-48-4	COBALT, TOTAL	0.53	J		MS	5	1.0	0.060	0.30
7440-50-8	COPPER, TOTAL	2.27	J		MS	5	3.0	0.19	2.0
7439-89-6	IRON, TOTAL	1250			P	1	100	5.4	80
7439-92-1	LEAD, TOTAL	0.18	J		MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, TOTAL	2560			P	1	100	7.8	80
7439-96-5	MANGANESE, TOTAL	28.3			P	1	5.0	1.1	4.0
7439-97-6	MERCURY, TOTAL	0.10	U		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, TOTAL	1.1	J		MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, TOTAL	810	J		P	1	1000	41.	500
7782-49-2	SELENIUM, TOTAL	1.0	J		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, TOTAL	0.40	U		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, TOTAL	2730			P	1	1000	24.	500
7440-28-0	THALLIUM, TOTAL	0.40	U		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, TOTAL	1.6	J		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, TOTAL	2.2	J		P	1	20	0.72	10

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-SW-08-061914

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4521-021

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, DISSOLVED	35	J		P	1	300	15.	100
7440-36-0	ANTIMONY, DISSOLVED	0.15	J		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, DISSOLVED	5.1			MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, DISSOLVED	2.2	J		P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, DISSOLVED	0.20	U		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, DISSOLVED	0.061	J		MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, DISSOLVED	26500			P	1	100	11.	80
7440-47-3	CHROMIUM, DISSOLVED	0.99	J		MS	5	5.0	0.22	4.0
7440-48-4	COBALT, DISSOLVED	0.608	J		MS	5	1.0	0.060	0.30
7440-50-8	COPPER, DISSOLVED	2.45	J		MS	5	3.0	0.19	2.0
7439-89-6	IRON, DISSOLVED	794			P	1	100	5.4	80
7439-92-1	LEAD, DISSOLVED	0.16	J		MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, DISSOLVED	2440			P	1	100	7.8	80
7439-96-5	MANGANESE, DISSOLVED	11.0			P	1	5.0	1.1	4.0
7439-97-6	MERCURY, DISSOLVED	0.10	U		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, DISSOLVED	1.61	J		MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, DISSOLVED	755	J		P	1	1000	41.	500
7782-49-2	SELENIUM, DISSOLVED	0.85	J		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, DISSOLVED	0.40	U		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, DISSOLVED	2810			P	1	1000	24.	500
7440-28-0	THALLIUM, DISSOLVED	0.40	U		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, DISSOLVED	1.6	J		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, DISSOLVED	4.0	J		P	1	20	0.72	10

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-SW-DUP01-061914

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4521-022

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, TOTAL	97	J		P	1	300	15.	100
7440-36-0	ANTIMONY, TOTAL	0.11	J		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, TOTAL	7.9			MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, TOTAL	20.9			P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, TOTAL	0.20	U		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, TOTAL	0.074	J		MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, TOTAL	54500			P	1	100	11.	80
7440-47-3	CHROMIUM, TOTAL	1.1	J		MS	5	5.0	0.22	4.0
7440-48-4	COBALT, TOTAL	5.52			MS	5	1.0	0.060	0.30
7440-50-8	COPPER, TOTAL	3.85			MS	5	3.0	0.19	2.0
7439-89-6	IRON, TOTAL	7060			P	1	100	5.4	80
7439-92-1	LEAD, TOTAL	0.41	J		MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, TOTAL	4770			P	1	100	7.8	80
7439-96-5	MANGANESE, TOTAL	1240			P	1	5.0	1.1	4.0
7439-97-6	MERCURY, TOTAL	0.10	U		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, TOTAL	2.09			MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, TOTAL	1310			P	1	1000	41.	500
7782-49-2	SELENIUM, TOTAL	1.4	J		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, TOTAL	0.40	U		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, TOTAL	4030			P	1	1000	24.	500
7440-28-0	THALLIUM, TOTAL	0.40	U		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, TOTAL	1.6	J		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, TOTAL	6.3	J		P	1	20	0.72	10

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-SW-DUP01-061914

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4521-023

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, DISSOLVED	56	J		P	1	300	15.	100
7440-36-0	ANTIMONY, DISSOLVED	0.11	J		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, DISSOLVED	7.5			MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, DISSOLVED	2.93	J		P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, DISSOLVED	0.20	U		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, DISSOLVED	0.049	J		MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, DISSOLVED	48600			P	1	100	11.	80
7440-47-3	CHROMIUM, DISSOLVED	0.99	J		MS	5	5.0	0.22	4.0
7440-48-4	COBALT, DISSOLVED	4.14			MS	5	1.0	0.060	0.30
7440-50-8	COPPER, DISSOLVED	1.99	J		MS	5	3.0	0.19	2.0
7439-89-6	IRON, DISSOLVED	522			P	1	100	5.4	80
7439-92-1	LEAD, DISSOLVED	0.10	J		MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, DISSOLVED	4330			P	1	100	7.8	80
7439-96-5	MANGANESE, DISSOLVED	941			P	1	5.0	1.1	4.0
7439-97-6	MERCURY, DISSOLVED	0.10	U		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, DISSOLVED	2.46			MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, DISSOLVED	1270			P	1	1000	41.	500
7782-49-2	SELENIUM, DISSOLVED	1.4	J		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, DISSOLVED	0.40	U		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, DISSOLVED	4040			P	1	1000	24.	500
7440-28-0	THALLIUM, DISSOLVED	0.40	U		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, DISSOLVED	1.0	J		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, DISSOLVED	3.7	J		P	1	20	0.72	10

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-SD-RB01-062014

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4521-024

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, TOTAL	100	U		P	1	300	15.	100
7440-36-0	ANTIMONY, TOTAL	0.50	U		MS	5	1.0	0.055	0.50
7440-38-2	ARSENIC, TOTAL	4.0	U		MS	5	5.0	2.3	4.0
7440-39-3	BARIUM, TOTAL	3.0	U		P	1	5.0	0.23	3.0
7440-41-7	BERYLLIUM, TOTAL	0.20	U		MS	5	1.0	0.034	0.20
7440-43-9	CADMIUM, TOTAL	0.059	J		MS	5	1.0	0.030	0.20
7440-70-2	CALCIUM, TOTAL	27	J		P	1	100	11.	80
7440-47-3	CHROMIUM, TOTAL	0.86	J		MS	5	5.0	0.22	4.0
7440-48-4	COBALT, TOTAL	0.30	U		MS	5	1.0	0.060	0.30
7440-50-8	COPPER, TOTAL	0.26	J		MS	5	3.0	0.19	2.0
7439-89-6	IRON, TOTAL	80	U		P	1	100	5.4	80
7439-92-1	LEAD, TOTAL	0.50	U		MS	5	1.0	0.075	0.50
7439-95-4	MAGNESIUM, TOTAL	80	U		P	1	100	7.8	80
7439-96-5	MANGANESE, TOTAL	4.0	U		P	1	5.0	1.1	4.0
7439-97-6	MERCURY, TOTAL	0.10	U		CV	1	0.20	0.013	0.10
7440-02-0	NICKEL, TOTAL	1.2	U		MS	5	2.0	0.15	1.2
7440-09-7	POTASSIUM, TOTAL	500	U		P	1	1000	41.	500
7782-49-2	SELENIUM, TOTAL	0.72	J		MS	5	5.0	0.19	3.0
7440-22-4	SILVER, TOTAL	0.40	U		MS	5	1.0	0.050	0.40
7440-23-5	SODIUM, TOTAL	25	J		P	1	1000	24.	500
7440-28-0	THALLIUM, TOTAL	0.40	U		MS	5	1.0	0.060	0.40
7440-62-2	VANADIUM, TOTAL	4.0	U		MS	5	5.0	0.50	4.0
7440-66-6	ZINC, TOTAL	0.82	J		P	1	20	0.72	10

Comments:

QC Summary Section

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: ICV

File:	HHF27B	Jun 27, 2014	14:55
Analyte	True	Found	%R (1)
MERCURY	6.0	5.70	95.0

SAMPLE: CCV

File:	HHF27B	Jun 27, 2014	15:04
Analyte	True	Found	%R (1)
MERCURY	5.0	4.76	95.2

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000051

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCV

File:	HHF27B	Jun 27, 2014	15:27
Analyte	True	Found	%R (1)
MERCURY	5.0	4.74	94.8

SAMPLE: CCV

File:	HHF27B	Jun 27, 2014	15:53
Analyte	True	Found	%R (1)
MERCURY	5.0	5.15	103.0

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000052

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCV

File:	HHF27B	Jun 27, 2014	16:18
Analyte	True	Found	%R (1)
MERCURY	5.0	4.76	95.2

SAMPLE: CCV

File:	HHF27B	Jun 27, 2014	16:44
Analyte	True	Found	%R (1)
MERCURY	5.0	4.71	94.2

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000053

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCV

File:	HHF27B	Jun 27, 2014	17:10
Analyte	True	Found	%R (1)
MERCURY	5.0	5.12	102.4

SAMPLE: CCV

File:	HHF27B	Jun 27, 2014	17:34
Analyte	True	Found	%R (1)
MERCURY	5.0	4.87	97.4

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000054

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: ICV

File:	HHF30A	Jun 30, 2014	11:38
Analyte	True	Found	%R (1)
MERCURY	6.0	6.01	100.2

SAMPLE: CCV

File:	HHF30A	Jun 30, 2014	11:44
Analyte	True	Found	%R (1)
MERCURY	5.0	5.07	101.4

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000055

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCV

File:	HHF30A	Jun 30, 2014	12:07
Analyte	True	Found	%R (1)
MERCURY	5.0	5.46	109.2

SAMPLE: CCV

File:	HHF30A	Jun 30, 2014	12:33
Analyte	True	Found	%R (1)
MERCURY	5.0	5.34	106.8

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCV

File:	HHF30A	Jun 30, 2014	13:12
Analyte	True	Found	%R (1)
MERCURY	5.0	5.20	104.0

SAMPLE: CCV

File:	HHF30A	Jun 30, 2014	13:37
Analyte	True	Found	%R (1)
MERCURY	5.0	5.12	102.4

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000057

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCV

File:	HHF30A	Jun 30, 2014	14:03
Analyte	True	Found	%R (1)
MERCURY	5.0	5.12	102.4

SAMPLE: CCV

File:	HHF30A	Jun 30, 2014	14:34
Analyte	True	Found	%R (1)
MERCURY	5.0	5.13	102.6

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000058

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: ICV

File:	HHG04A	Jul 04, 2014	12:55
Analyte	True	Found	%R (1)
MERCURY	6.0	5.67	94.5

SAMPLE: CCV

File:	HHG04A	Jul 04, 2014	13:01
Analyte	True	Found	%R (1)
MERCURY	5.0	4.83	96.6

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCV

File:	HHG04A	Jul 04, 2014	13:24
Analyte	True	Found	%R (1)
MERCURY	5.0	5.13	102.6

SAMPLE: CCV

File:	HHG04A	Jul 04, 2014	13:50
Analyte	True	Found	%R (1)
MERCURY	5.0	5.32	106.4

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000060

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCV

File:	HHG04A	Jul 04, 2014	14:15
Analyte	True	Found	%R (1)
MERCURY	5.0	4.88	97.6

SAMPLE: CCV

File:	HHG04A	Jul 04, 2014	14:41
Analyte	True	Found	%R (1)
MERCURY	5.0	4.77	95.4

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000061

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: ICV

File: IHF23B	Jun 23, 2014	18:35	
Analyte	True	Found	%R (1)
ALUMINUM	10000.0	10100.00	101.0
BARIUM	400.0	404.90	101.2
CALCIUM	10000.0	10090.00	100.9
IRON	10000.0	10070.00	100.7
MAGNESIUM	10000.0	10160.00	101.6
MANGANESE	400.0	405.30	101.3
POTASSIUM	13600.0	13460.00	99.0
SODIUM	10000.0	10020.00	100.2
ZINC	400.0	405.10	101.3

SAMPLE: CCV

File: IHF23B	Jun 23, 2014	19:12	
Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12500.00	100.0
BARIUM	500.0	491.10	98.2
CALCIUM	12500.0	12400.00	99.2
IRON	12500.0	12390.00	99.1
MAGNESIUM	12500.0	12670.00	101.4
MANGANESE	500.0	492.10	98.4
POTASSIUM	12500.0	12450.00	99.6
SODIUM	12500.0	12520.00	100.2
ZINC	500.0	499.70	99.9

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000062

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCV

File: IHF23B	Jun 23, 2014	20:08	
Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12380.00	99.0
BARIUM	500.0	505.00	101.0
CALCIUM	12500.0	12830.00	102.6
IRON	12500.0	12240.00	97.9
MAGNESIUM	12500.0	12520.00	100.2
MANGANESE	500.0	487.00	97.4
POTASSIUM	12500.0	12570.00	100.6
SODIUM	12500.0	12900.00	103.2
ZINC	500.0	480.60	96.1

SAMPLE: CCV

File: IHF23B	Jun 23, 2014	21:03	
Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12440.00	99.5
BARIUM	500.0	514.10	102.8
CALCIUM	12500.0	13280.00	106.2
IRON	12500.0	12380.00	99.0
MAGNESIUM	12500.0	12330.00	98.6
MANGANESE	500.0	499.90	100.0
POTASSIUM	12500.0	13200.00	105.6
SODIUM	12500.0	13250.00	106.0
ZINC	500.0	463.60	92.7

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000063

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCV

File: IHF23B Jun 23, 2014 21:58

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12600.00	100.8
BARIUM	500.0	515.40	103.1
CALCIUM	12500.0	13390.00	107.1
IRON	12500.0	12570.00	100.6
MAGNESIUM	12500.0	12300.00	98.4
MANGANESE	500.0	511.50	102.3
POTASSIUM	12500.0	13370.00	107.0
SODIUM	12500.0	13270.00	106.2
ZINC	500.0	451.30	90.3

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000064

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: ICV

File: IHF26A	Jun 26, 2014	13:25	
Analyte	True	Found	%R (1)
ALUMINUM	10000.0	10000.00	100.0
BARIUM	400.0	412.20	103.1
CALCIUM	10000.0	10020.00	100.2
IRON	10000.0	9921.00	99.2
MAGNESIUM	10000.0	10100.00	101.0
MANGANESE	400.0	400.80	100.2
POTASSIUM	13600.0	13200.00	97.1
SODIUM	10000.0	10040.00	100.4
ZINC	400.0	411.90	103.0

SAMPLE: CCV

File: IHF26A	Jun 26, 2014	14:02	
Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12310.00	98.5
BARIUM	500.0	503.70	100.7
CALCIUM	12500.0	12260.00	98.1
IRON	12500.0	12050.00	96.4
MAGNESIUM	12500.0	12870.00	103.0
MANGANESE	500.0	477.10	95.4
POTASSIUM	12500.0	11980.00	95.8
SODIUM	12500.0	12380.00	99.0
ZINC	500.0	496.70	99.3

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000065

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCV

File: IHF26A	Jun 26, 2014	14:48	
Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12190.00	97.5
BARIUM	500.0	503.10	100.6
CALCIUM	12500.0	12210.00	97.7
IRON	12500.0	11850.00	94.8
MAGNESIUM	12500.0	12970.00	103.8
MANGANESE	500.0	474.80	95.0
POTASSIUM	12500.0	11830.00	94.6
SODIUM	12500.0	12280.00	98.2
ZINC	500.0	495.80	99.2

SAMPLE: CCV

File: IHF26A	Jun 26, 2014	14:57	
Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12210.00	97.7
BARIUM	500.0	503.00	100.6
CALCIUM	12500.0	12200.00	97.6
IRON	12500.0	11890.00	95.1
MAGNESIUM	12500.0	13040.00	104.3
MANGANESE	500.0	476.10	95.2
POTASSIUM	12500.0	11930.00	95.4
SODIUM	12500.0	12310.00	98.5
ZINC	500.0	497.70	99.5

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000066

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCV

File: IHF26A	Jun 26, 2014	15:53	
Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12110.00	96.9
BARIUM	500.0	499.50	99.9
CALCIUM	12500.0	12100.00	96.8
IRON	12500.0	11680.00	93.4
MAGNESIUM	12500.0	12980.00	103.8
MANGANESE	500.0	465.40	93.1
POTASSIUM	12500.0	11740.00	93.9
SODIUM	12500.0	12190.00	97.5
ZINC	500.0	493.30	98.7

SAMPLE: CCV

File: IHF26A	Jun 26, 2014	16:48	
Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12210.00	97.7
BARIUM	500.0	497.40	99.5
CALCIUM	12500.0	12300.00	98.4
IRON	12500.0	11820.00	94.6
MAGNESIUM	12500.0	13020.00	104.2
MANGANESE	500.0	474.00	94.8
POTASSIUM	12500.0	11880.00	95.0
SODIUM	12500.0	12190.00	97.5
ZINC	500.0	493.00	98.6

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000067

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCV

File: IHF26A	Jun 26, 2014	17:43	
Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12130.00	97.0
BARIUM	500.0	500.60	100.1
CALCIUM	12500.0	11970.00	95.8
IRON	12500.0	11630.00	93.0
MAGNESIUM	12500.0	12820.00	102.6
MANGANESE	500.0	460.10	92.0
POTASSIUM	12500.0	11850.00	94.8
SODIUM	12500.0	12290.00	98.3
ZINC	500.0	489.80	98.0

SAMPLE: CCV

File: IHF26A	Jun 26, 2014	18:39	
Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12170.00	97.4
BARIUM	500.0	499.20	99.8
CALCIUM	12500.0	12100.00	96.8
IRON	12500.0	11720.00	93.8
MAGNESIUM	12500.0	12880.00	103.0
MANGANESE	500.0	462.10	92.4
POTASSIUM	12500.0	11890.00	95.1
SODIUM	12500.0	12310.00	98.5
ZINC	500.0	493.20	98.6

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000068

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCV

File: IHF26A	Jun 26, 2014	19:34	
Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12220.00	97.8
BARIUM	500.0	502.90	100.6
CALCIUM	12500.0	12070.00	96.6
IRON	12500.0	11620.00	93.0
MAGNESIUM	12500.0	12850.00	102.8
MANGANESE	500.0	462.00	92.4
POTASSIUM	12500.0	11970.00	95.8
SODIUM	12500.0	12450.00	99.6
ZINC	500.0	493.60	98.7

SAMPLE: CCV

File: IHF26A	Jun 26, 2014	20:29	
Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12190.00	97.5
BARIUM	500.0	516.00	103.2
CALCIUM	12500.0	12480.00	99.8
IRON	12500.0	11580.00	92.6
MAGNESIUM	12500.0	13560.00	108.5
MANGANESE	500.0	468.40	93.7
POTASSIUM	12500.0	12510.00	100.1
SODIUM	12500.0	12770.00	102.2
ZINC	500.0	499.10	99.8

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000069

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: ICV

File: IHG02A	Jul 02, 2014	9:57	
Analyte	True	Found	%R (1)
ALUMINUM	10000.0	10130.00	101.3
BARIUM	400.0	412.00	103.0
CALCIUM	10000.0	10160.00	101.6
IRON	10000.0	10150.00	101.5
MAGNESIUM	10000.0	10210.00	102.1
MANGANESE	400.0	411.90	103.0
POTASSIUM	13600.0	13440.00	98.8
SODIUM	10000.0	10070.00	100.7
ZINC	400.0	411.70	102.9

SAMPLE: CCV

File: IHG02A	Jul 02, 2014	10:35	
Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12490.00	99.9
BARIUM	500.0	494.80	99.0
CALCIUM	12500.0	12410.00	99.3
IRON	12500.0	12570.00	100.6
MAGNESIUM	12500.0	12770.00	102.2
MANGANESE	500.0	502.90	100.6
POTASSIUM	12500.0	12570.00	100.6
SODIUM	12500.0	12250.00	98.0
ZINC	500.0	492.80	98.6

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000070

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCV

File: IHG02A	Jul 02, 2014	11:30	
Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12430.00	99.4
BARIUM	500.0	492.30	98.5
CALCIUM	12500.0	12420.00	99.4
IRON	12500.0	12580.00	100.6
MAGNESIUM	12500.0	12740.00	101.9
MANGANESE	500.0	508.80	101.8
POTASSIUM	12500.0	12630.00	101.0
SODIUM	12500.0	12180.00	97.4
ZINC	500.0	492.50	98.5

SAMPLE: CCV

File: IHG02A	Jul 02, 2014	12:25	
Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12470.00	99.8
BARIUM	500.0	494.80	99.0
CALCIUM	12500.0	12460.00	99.7
IRON	12500.0	12580.00	100.6
MAGNESIUM	12500.0	12780.00	102.2
MANGANESE	500.0	506.00	101.2
POTASSIUM	12500.0	12640.00	101.1
SODIUM	12500.0	12240.00	97.9
ZINC	500.0	493.70	98.7

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000071

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCV

File: IHG02A

Jul 02, 2014

13:20

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12440.00	99.5
BARIUM	500.0	488.90	97.8
CALCIUM	12500.0	12380.00	99.0
IRON	12500.0	12570.00	100.6
MAGNESIUM	12500.0	12660.00	101.3
MANGANESE	500.0	508.90	101.8
POTASSIUM	12500.0	12630.00	101.0
SODIUM	12500.0	12150.00	97.2
ZINC	500.0	490.40	98.1

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000072

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: ICV

File: IHG02C	Jul 02, 2014	23:51	
Analyte	True	Found	%R (1)
ALUMINUM	10000.0	10160.00	101.6
BARIUM	400.0	413.20	103.3
CALCIUM	10000.0	10220.00	102.2
IRON	10000.0	10140.00	101.4
MAGNESIUM	10000.0	10180.00	101.8
MANGANESE	400.0	411.40	102.8
POTASSIUM	13600.0	13470.00	99.0
SODIUM	10000.0	10120.00	101.2
ZINC	400.0	414.80	103.7

SAMPLE: CCV

File: IHG02C	Jul 03, 2014	0:28	
Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12650.00	101.2
BARIUM	500.0	501.60	100.3
CALCIUM	12500.0	12690.00	101.5
IRON	12500.0	12680.00	101.4
MAGNESIUM	12500.0	12860.00	102.9
MANGANESE	500.0	505.40	101.1
POTASSIUM	12500.0	12520.00	100.2
SODIUM	12500.0	12580.00	100.6
ZINC	500.0	502.90	100.6

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000073

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCV

File: IHG02C	Jul 03, 2014	1:24	
Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12650.00	101.2
BARIUM	500.0	507.30	101.5
CALCIUM	12500.0	12740.00	101.9
IRON	12500.0	12610.00	100.9
MAGNESIUM	12500.0	12910.00	103.3
MANGANESE	500.0	502.80	100.6
POTASSIUM	12500.0	12490.00	99.9
SODIUM	12500.0	12750.00	102.0
ZINC	500.0	508.70	101.7

SAMPLE: CCV

File: IHG02C	Jul 03, 2014	2:19	
Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12500.00	100.0
BARIUM	500.0	499.80	100.0
CALCIUM	12500.0	12380.00	99.0
IRON	12500.0	12450.00	99.6
MAGNESIUM	12500.0	12640.00	101.1
MANGANESE	500.0	492.80	98.6
POTASSIUM	12500.0	12410.00	99.3
SODIUM	12500.0	12560.00	100.5
ZINC	500.0	497.80	99.6

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000074

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCV

File: IHG02C

Jul 03, 2014

3:14

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12430.00	99.4
BARIUM	500.0	498.60	99.7
CALCIUM	12500.0	12310.00	98.5
IRON	12500.0	12290.00	98.3
MAGNESIUM	12500.0	12470.00	99.8
MANGANESE	500.0	488.30	97.7
POTASSIUM	12500.0	12290.00	98.3
SODIUM	12500.0	12560.00	100.5
ZINC	500.0	494.40	98.9

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000075

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: ICV

File: JHG01A Jul 01, 2014 13:48

Analyte	True	Found	%R (1)
ALUMINUM	400.0	411.30	102.8
ANTIMONY	20.0	20.21	101.1
ARSENIC	20.0	20.27	101.4
BERYLLIUM	20.0	19.55	97.8
CADMIUM	20.0	20.00	100.0
CALCIUM	4000.0	4215.00	105.4
CHROMIUM	20.0	19.66	98.3
COBALT	20.0	20.31	101.5
COPPER	20.0	20.05	100.3
IRON	4000.0	4137.00	103.4
LEAD	20.0	20.28	101.4
MAGNESIUM	4000.0	4233.00	105.8
MOLYBDENUM	40.0	41.16	102.9
NICKEL	20.0	20.85	104.3
POTASSIUM	4000.0	4159.00	104.0
SELENIUM	20.0	20.42	102.1
SILVER	20.0	20.34	101.7
SODIUM	4000.0	4145.00	103.6
THALLIUM	20.0	20.65	103.3
VANADIUM	20.0	19.84	99.2

SAMPLE: CCV

File: JHG01A Jul 01, 2014 14:07

Analyte	True	Found	%R (1)
ALUMINUM	500.0	518.60	103.7
ANTIMONY	25.0	24.52	98.1
ARSENIC	25.0	24.61	98.4
BERYLLIUM	25.0	23.01	92.0
CADMIUM	25.0	25.66	102.6
CALCIUM	5000.0	5034.00	100.7
CHROMIUM	25.0	24.76	99.0
COBALT	25.0	24.91	99.6
COPPER	25.0	24.89	99.6
IRON	5000.0	5018.00	100.4
LEAD	25.0	24.56	98.2
MAGNESIUM	5000.0	5015.00	100.3
MOLYBDENUM	25.0	25.46	101.8
NICKEL	25.0	25.00	100.0
POTASSIUM	5000.0	4984.00	99.7
SELENIUM	25.0	25.13	100.5
SILVER	25.0	25.45	101.8
SODIUM	5000.0	4932.00	98.6
THALLIUM	25.0	24.34	97.4
VANADIUM	25.0	24.55	98.2

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000076

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCV

File: JHG01A Jul 01, 2014 14:47

Analyte	True	Found	%R (1)
ALUMINUM	500.0	505.00	101.0
ANTIMONY	25.0	24.73	98.9
ARSENIC	25.0	24.58	98.3
BERYLLIUM	25.0	22.93	91.7
CADMIUM	25.0	25.51	102.0
CALCIUM	5000.0	5013.00	100.3
CHROMIUM	25.0	24.79	99.2
COBALT	25.0	24.86	99.4
COPPER	25.0	24.88	99.5
IRON	5000.0	5066.00	101.3
LEAD	25.0	24.52	98.1
MAGNESIUM	5000.0	5045.00	100.9
MOLYBDENUM	25.0	24.89	99.6
NICKEL	25.0	25.06	100.2
POTASSIUM	5000.0	4969.00	99.4
SELENIUM	25.0	25.07	100.3
SILVER	25.0	25.45	101.8
SODIUM	5000.0	4968.00	99.4
THALLIUM	25.0	24.45	97.8
VANADIUM	25.0	24.72	98.9

SAMPLE: CCV

File: JHG01A Jul 01, 2014 15:27

Analyte	True	Found	%R (1)
ALUMINUM	500.0	512.50	102.5
ANTIMONY	25.0	24.53	98.1
ARSENIC	25.0	24.61	98.4
BERYLLIUM	25.0	22.34	89.4•
CADMIUM	25.0	25.79	103.2
CALCIUM	5000.0	5027.00	100.5
CHROMIUM	25.0	24.66	98.6
COBALT	25.0	24.67	98.7
COPPER	25.0	24.77	99.1
IRON	5000.0	4980.00	99.6
LEAD	25.0	24.81	99.2
MAGNESIUM	5000.0	4974.00	99.5
MOLYBDENUM	25.0	25.12	100.5
NICKEL	25.0	24.81	99.2
POTASSIUM	5000.0	4976.00	99.5
SELENIUM	25.0	24.72	98.9
SILVER	25.0	25.50	102.0
SODIUM	5000.0	4865.00	97.3
THALLIUM	25.0	25.00	100.0
VANADIUM	25.0	24.46	97.8

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000077

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCV

File: JHG01A Jul 01, 2014 16:09

Analyte	True	Found	%R (1)
ALUMINUM	500.0	527.90	105.6
ANTIMONY	25.0	24.55	98.2
ARSENIC	25.0	24.94	99.8
BERYLLIUM	25.0	22.77	91.1
CADMIUM	25.0	26.33	105.3
CALCIUM	5000.0	5077.00	101.5
CHROMIUM	25.0	25.28	101.1
COBALT	25.0	25.35	101.4
COPPER	25.0	25.35	101.4
IRON	5000.0	5129.00	102.6
LEAD	25.0	25.03	100.1
MAGNESIUM	5000.0	5127.00	102.5
MOLYBDENUM	25.0	25.53	102.1
NICKEL	25.0	25.19	100.8
POTASSIUM	5000.0	5061.00	101.2
SELENIUM	25.0	25.17	100.7
SILVER	25.0	26.03	104.1
SODIUM	5000.0	5032.00	100.6
THALLIUM	25.0	24.95	99.8
VANADIUM	25.0	24.82	99.3

SAMPLE: CCV

File: JHG01A Jul 01, 2014 16:51

Analyte	True	Found	%R (1)
ALUMINUM	500.0	516.10	103.2
ANTIMONY	25.0	24.89	99.6
ARSENIC	25.0	25.06	100.2
BERYLLIUM	25.0	22.47	89.9
CADMIUM	25.0	26.00	104.0
CALCIUM	5000.0	5117.00	102.3
CHROMIUM	25.0	25.05	100.2
COBALT	25.0	25.12	100.5
COPPER	25.0	25.29	101.2
IRON	5000.0	5099.00	102.0
LEAD	25.0	24.70	98.8
MAGNESIUM	5000.0	5066.00	101.3
MOLYBDENUM	25.0	25.65	102.6
NICKEL	25.0	25.14	100.6
POTASSIUM	5000.0	5027.00	100.5
SELENIUM	25.0	25.60	102.4
SILVER	25.0	26.11	104.4
SODIUM	5000.0	4970.00	99.4
THALLIUM	25.0	24.92	99.7
VANADIUM	25.0	25.07	100.3

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000078

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCV

File: JHG01A	Jul 01, 2014	17:32	
Analyte	True	Found	%R (1)
ALUMINUM	500.0	517.80	103.6
ANTIMONY	25.0	24.86	99.4
ARSENIC	25.0	24.90	99.6
BERYLLIUM	25.0	22.64	90.6
CADMIUM	25.0	25.92	103.7
CALCIUM	5000.0	5068.00	101.4
CHROMIUM	25.0	25.25	101.0
COBALT	25.0	25.09	100.4
COPPER	25.0	25.02	100.1
IRON	5000.0	5070.00	101.4
LEAD	25.0	24.75	99.0
MAGNESIUM	5000.0	5057.00	101.1
MOLYBDENUM	25.0	25.50	102.0
NICKEL	25.0	25.19	100.8
POTASSIUM	5000.0	5030.00	100.6
SELENIUM	25.0	25.16	100.6
SILVER	25.0	25.84	103.4
SODIUM	5000.0	4926.00	98.5
THALLIUM	25.0	24.93	99.7
VANADIUM	25.0	24.79	99.2

SAMPLE: CCV

File: JHG01A	Jul 01, 2014	18:14	
Analyte	True	Found	%R (1)
ALUMINUM	500.0	509.50	101.9
ANTIMONY	25.0	24.49	98.0
ARSENIC	25.0	24.82	99.3
BERYLLIUM	25.0	22.08	88.3•
CADMIUM	25.0	25.62	102.5
CALCIUM	5000.0	5000.00	100.0
CHROMIUM	25.0	24.61	98.4
COBALT	25.0	24.57	98.3
COPPER	25.0	24.34	97.4
IRON	5000.0	4987.00	99.7
LEAD	25.0	24.43	97.7
MAGNESIUM	5000.0	5021.00	100.4
MOLYBDENUM	25.0	24.98	99.9
NICKEL	25.0	24.40	97.6
POTASSIUM	5000.0	4975.00	99.5
SELENIUM	25.0	24.74	99.0
SILVER	25.0	25.39	101.6
SODIUM	5000.0	4904.00	98.1
THALLIUM	25.0	24.55	98.2
VANADIUM	25.0	24.26	97.0

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000079

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCV

File: JHG01A

Jul 01, 2014

18:56

Analyte	True	Found	%R (1)
ALUMINUM	500.0	520.10	104.0
ANTIMONY	25.0	25.01	100.0
ARSENIC	25.0	25.10	100.4
BERYLLIUM	25.0	22.68	90.7
CADMIUM	25.0	26.20	104.8
CALCIUM	5000.0	5098.00	102.0
CHROMIUM	25.0	25.34	101.4
COBALT	25.0	25.45	101.8
COPPER	25.0	25.20	100.8
IRON	5000.0	5096.00	101.9
LEAD	25.0	24.88	99.5
MAGNESIUM	5000.0	5136.00	102.7
MOLYBDENUM	25.0	25.64	102.6
NICKEL	25.0	25.26	101.0
POTASSIUM	5000.0	5095.00	101.9
SELENIUM	25.0	25.55	102.2
SILVER	25.0	26.01	104.0
SODIUM	5000.0	5023.00	100.5
THALLIUM	25.0	25.00	100.0
VANADIUM	25.0	24.94	99.8

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000080

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: ICV

File: JHG02A Jul 02, 2014 15:33

Analyte	True	Found	%R (1)
ALUMINUM	400.0	401.30	100.3
ANTIMONY	20.0	20.14	100.7
ARSENIC	20.0	20.20	101.0
BERYLLIUM	20.0	19.82	99.1
CADMIUM	20.0	20.13	100.6
CALCIUM	4000.0	4186.00	104.7
CHROMIUM	20.0	19.69	98.5
COBALT	20.0	20.57	102.8
COPPER	20.0	20.15	100.7
IRON	4000.0	4150.00	103.8
LEAD	20.0	20.43	102.2
MAGNESIUM	4000.0	4166.00	104.2
MOLYBDENUM	40.0	41.48	103.7
NICKEL	20.0	20.83	104.1
POTASSIUM	4000.0	4112.00	102.8
SELENIUM	20.0	20.50	102.5
SILVER	20.0	20.63	103.1
SODIUM	4000.0	4109.00	102.7
THALLIUM	20.0	20.76	103.8
VANADIUM	20.0	20.18	100.9

SAMPLE: CCV

File: JHG02A Jul 02, 2014 15:52

Analyte	True	Found	%R (1)
ALUMINUM	500.0	515.70	103.1
ANTIMONY	25.0	24.48	97.9
ARSENIC	25.0	25.25	101.0
BERYLLIUM	25.0	23.23	92.9
CADMIUM	25.0	26.03	104.1
CALCIUM	5000.0	5105.00	102.1
CHROMIUM	25.0	25.34	101.4
COBALT	25.0	25.38	101.5
COPPER	25.0	25.29	101.2
IRON	5000.0	5098.00	102.0
LEAD	25.0	25.08	100.3
MAGNESIUM	5000.0	5150.00	103.0
MOLYBDENUM	25.0	26.06	104.2
NICKEL	25.0	25.61	102.4
POTASSIUM	5000.0	5006.00	100.1
SELENIUM	25.0	25.53	102.1
SILVER	25.0	25.98	103.9
SODIUM	5000.0	5048.00	101.0
THALLIUM	25.0	25.09	100.4
VANADIUM	25.0	25.12	100.5

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000081

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCV

File: JHG02A Jul 02, 2014 16:32

Analyte	True	Found	%R (1)
ALUMINUM	500.0	520.10	104.0
ANTIMONY	25.0	24.37	97.5
ARSENIC	25.0	24.92	99.7
BERYLLIUM	25.0	22.61	90.4
CADMIUM	25.0	26.03	104.1
CALCIUM	5000.0	5100.00	102.0
CHROMIUM	25.0	25.57	102.3
COBALT	25.0	25.52	102.1
COPPER	25.0	25.50	102.0
IRON	5000.0	5115.00	102.3
LEAD	25.0	24.92	99.7
MAGNESIUM	5000.0	5144.00	102.9
MOLYBDENUM	25.0	25.57	102.3
NICKEL	25.0	25.29	101.2
POTASSIUM	5000.0	5065.00	101.3
SELENIUM	25.0	25.67	102.7
SILVER	25.0	25.96	103.8
SODIUM	5000.0	5082.00	101.6
THALLIUM	25.0	24.95	99.8
VANADIUM	25.0	25.38	101.5

SAMPLE: CCV

File: JHG02A Jul 02, 2014 17:11

Analyte	True	Found	%R (1)
ALUMINUM	500.0	517.30	103.5
ANTIMONY	25.0	24.35	97.4
ARSENIC	25.0	24.90	99.6
BERYLLIUM	25.0	22.08	88.3•
CADMIUM	25.0	26.01	104.0
CALCIUM	5000.0	5047.00	100.9
CHROMIUM	25.0	25.33	101.3
COBALT	25.0	25.36	101.4
COPPER	25.0	25.19	100.8
IRON	5000.0	5030.00	100.6
LEAD	25.0	24.95	99.8
MAGNESIUM	5000.0	5107.00	102.1
MOLYBDENUM	25.0	25.52	102.1
NICKEL	25.0	25.50	102.0
POTASSIUM	5000.0	4991.00	99.8
SELENIUM	25.0	25.45	101.8
SILVER	25.0	25.92	103.7
SODIUM	5000.0	4960.00	99.2
THALLIUM	25.0	24.94	99.8
VANADIUM	25.0	25.13	100.5

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000082

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCV

File: JHG02A Jul 02, 2014 17:52

Analyte	True	Found	%R (1)
ALUMINUM	500.0	526.70	105.3
ANTIMONY	25.0	24.58	98.3
ARSENIC	25.0	25.09	100.4
BERYLLIUM	25.0	21.73	86.9•
CADMIUM	25.0	26.24	105.0
CALCIUM	5000.0	5119.00	102.4
CHROMIUM	25.0	25.51	102.0
COBALT	25.0	25.27	101.1
COPPER	25.0	25.47	101.9
IRON	5000.0	5093.00	101.9
LEAD	25.0	25.21	100.8
MAGNESIUM	5000.0	5153.00	103.1
MOLYBDENUM	25.0	25.87	103.5
NICKEL	25.0	25.44	101.8
POTASSIUM	5000.0	5071.00	101.4
SELENIUM	25.0	25.19	100.8
SILVER	25.0	26.24	105.0
SODIUM	5000.0	4990.00	99.8
THALLIUM	25.0	25.23	100.9
VANADIUM	25.0	25.33	101.3

SAMPLE: CCV

File: JHG02A Jul 02, 2014 18:33

Analyte	True	Found	%R (1)
ALUMINUM	500.0	521.30	104.3
ANTIMONY	25.0	24.36	97.4
ARSENIC	25.0	24.95	99.8
BERYLLIUM	25.0	21.79	87.2•
CADMIUM	25.0	26.18	104.7
CALCIUM	5000.0	5106.00	102.1
CHROMIUM	25.0	25.63	102.5
COBALT	25.0	25.41	101.6
COPPER	25.0	25.21	100.8
IRON	5000.0	5128.00	102.6
LEAD	25.0	25.25	101.0
MAGNESIUM	5000.0	5118.00	102.4
MOLYBDENUM	25.0	25.79	103.2
NICKEL	25.0	25.38	101.5
POTASSIUM	5000.0	4982.00	99.6
SELENIUM	25.0	25.44	101.8
SILVER	25.0	25.97	103.9
SODIUM	5000.0	5042.00	100.8
THALLIUM	25.0	25.34	101.4
VANADIUM	25.0	25.48	101.9

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000083

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCV

File: JHG02A

Jul 02, 2014

19:07

Analyte	True	Found	%R (1)
ALUMINUM	500.0	527.60	105.5
ANTIMONY	25.0	24.79	99.2
ARSENIC	25.0	25.28	101.1
BERYLLIUM	25.0	22.45	89.8
CADMIUM	25.0	26.58	106.3
CALCIUM	5000.0	5151.00	103.0
CHROMIUM	25.0	25.55	102.2
COBALT	25.0	25.73	102.9
COPPER	25.0	25.42	101.7
IRON	5000.0	5163.00	103.3
LEAD	25.0	25.41	101.6
MAGNESIUM	5000.0	5192.00	103.8
MOLYBDENUM	25.0	26.13	104.5
NICKEL	25.0	25.45	101.8
POTASSIUM	5000.0	5000.00	100.0
SELENIUM	25.0	25.57	102.3
SILVER	25.0	26.57	106.3
SODIUM	5000.0	4987.00	99.7
THALLIUM	25.0	25.35	101.4
VANADIUM	25.0	25.36	101.4

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000084

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: ICV

File:	JHG03A	Jul 03, 2014	17:48
Analyte	True	Found	%R (1)
ALUMINUM	400.0	395.00	98.8
ARSENIC	20.0	19.87	99.4
BERYLLIUM	20.0	19.71	98.6
CALCIUM	4000.0	4129.00	103.2
IRON	4000.0	4099.00	102.5
MAGNESIUM	4000.0	4164.00	104.1
MOLYBDENUM	40.0	40.92	102.3
POTASSIUM	4000.0	4059.00	101.5
SODIUM	4000.0	4065.00	101.6

SAMPLE: CCV

File:	JHG03A	Jul 03, 2014	18:08
Analyte	True	Found	%R (1)
ALUMINUM	500.0	499.10	99.8
ARSENIC	25.0	24.73	98.9
BERYLLIUM	25.0	24.82	99.3
CALCIUM	5000.0	5055.00	101.1
IRON	5000.0	5083.00	101.7
MAGNESIUM	5000.0	4997.00	99.9
MOLYBDENUM	25.0	25.08	100.3
POTASSIUM	5000.0	4926.00	98.5
SODIUM	5000.0	5019.00	100.4

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000085

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCV

File: JHG03A Jul 03, 2014 18:47

Analyte	True	Found	%R (1)
ALUMINUM	500.0	499.90	100.0
ARSENIC	25.0	24.15	96.6
BERYLLIUM	25.0	23.12	92.5
CALCIUM	5000.0	4980.00	99.6
IRON	5000.0	5058.00	101.2
MAGNESIUM	5000.0	4998.00	100.0
MOLYBDENUM	25.0	24.71	98.8
POTASSIUM	5000.0	4867.00	97.3
SODIUM	5000.0	4912.00	98.2

SAMPLE: CCV

File: JHG03A Jul 03, 2014 19:26

Analyte	True	Found	%R (1)
ALUMINUM	500.0	513.50	102.7
ARSENIC	25.0	24.72	98.9
BERYLLIUM	25.0	23.89	95.6
CALCIUM	5000.0	5051.00	101.0
IRON	5000.0	5102.00	102.0
MAGNESIUM	5000.0	5166.00	103.3
MOLYBDENUM	25.0	25.09	100.4
POTASSIUM	5000.0	4978.00	99.6
SODIUM	5000.0	5033.00	100.7

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000086

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCV

File:	JHG03A	Jul 03, 2014	20:07
Analyte	True	Found	%R (1)
ALUMINUM	500.0	502.80	100.6
ARSENIC	25.0	24.56	98.2
BERYLLIUM	25.0	24.77	99.1
CALCIUM	5000.0	5033.00	100.7
IRON	5000.0	5061.00	101.2
MAGNESIUM	5000.0	5078.00	101.6
MOLYBDENUM	25.0	24.52	98.1
POTASSIUM	5000.0	4948.00	99.0
SODIUM	5000.0	5015.00	100.3

SAMPLE: CCV

File:	JHG03A	Jul 03, 2014	20:48
Analyte	True	Found	%R (1)
ALUMINUM	500.0	497.30	99.5
ARSENIC	25.0	24.57	98.3
BERYLLIUM	25.0	25.21	100.8
CALCIUM	5000.0	4989.00	99.8
IRON	5000.0	5042.00	100.8
MAGNESIUM	5000.0	5089.00	101.8
MOLYBDENUM	25.0	24.39	97.6
POTASSIUM	5000.0	4962.00	99.2
SODIUM	5000.0	5065.00	101.3

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000087

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: ICV

File: JHG05A	Jul 05, 2014	14:36	
Analyte	True	Found	%R (1)
ALUMINUM	400.0	399.00	99.8
BERYLLIUM	20.0	19.92	99.6
CALCIUM	4000.0	4047.00	101.2
IRON	4000.0	4061.00	101.5
MAGNESIUM	4000.0	4202.00	105.1
MOLYBDENUM	40.0	40.91	102.3
POTASSIUM	4000.0	4122.00	103.1
SODIUM	4000.0	4074.00	101.8

SAMPLE: CCV

File: JHG05A	Jul 05, 2014	14:56	
Analyte	True	Found	%R (1)
ALUMINUM	500.0	499.40	99.9
BERYLLIUM	25.0	23.99	96.0
CALCIUM	5000.0	4963.00	99.3
IRON	5000.0	4947.00	98.9
MAGNESIUM	5000.0	4945.00	98.9
MOLYBDENUM	25.0	24.93	99.7
POTASSIUM	5000.0	4944.00	98.9
SODIUM	5000.0	4853.00	97.1

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000088

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCV

File: JHG05A	Jul 05, 2014	15:35	
Analyte	True	Found	%R (1)
ALUMINUM	500.0	504.50	100.9
BERYLLIUM	25.0	23.88	95.5
CALCIUM	5000.0	5029.00	100.6
IRON	5000.0	5052.00	101.0
MAGNESIUM	5000.0	5008.00	100.2
MOLYBDENUM	25.0	24.87	99.5
POTASSIUM	5000.0	5003.00	100.1
SODIUM	5000.0	4836.00	96.7

SAMPLE: CCV

File: JHG05A	Jul 05, 2014	16:14	
Analyte	True	Found	%R (1)
ALUMINUM	500.0	504.80	101.0
BERYLLIUM	25.0	23.79	95.2
CALCIUM	5000.0	5053.00	101.1
IRON	5000.0	5022.00	100.4
MAGNESIUM	5000.0	5009.00	100.2
MOLYBDENUM	25.0	24.90	99.6
POTASSIUM	5000.0	5045.00	100.9
SODIUM	5000.0	4890.00	97.8

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000089

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services**SDG Name: WE53-7**

Concentration Units: ug/L

SAMPLE: PQL

File: HHF27B Jun 27, 2014 15:02

Analyte	TRUE	FOUND	% R
MERCURY	0.2	0.22	110.0

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: PQL

File: HHF30A Jun 30, 2014 11:42

Analyte	TRUE	FOUND	% R
MERCURY	0.2	0.19	95.0

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services**SDG Name:** WE53-7

Concentration Units: ug/L

SAMPLE: PQL

File: HHG04A Jul 04, 2014 12:59

Analyte	TRUE	FOUND	% R
MERCURY	0.2	0.23	115.0

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: PQL

File: IHF23B

Jun 23, 2014

18:44

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	319.90	106.6
BARIUM	5.0	5.66	113.2
CALCIUM	100.0	102.90	102.9
IRON	100.0	99.96	100.0
MAGNESIUM	100.0	107.80	107.8
MANGANESE	5.0	4.53	90.6
POTASSIUM	1000.0	1021.00	102.1
SODIUM	1000.0	1062.00	106.2
ZINC	20.0	20.60	103.0

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: PQL

File: IHF26A

Jun 26, 2014

13:34

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	313.90	104.6
BARIUM	5.0	5.52	110.4
CALCIUM	100.0	99.97	100.0
IRON	100.0	109.50	109.5
MAGNESIUM	100.0	108.90	108.9
MANGANESE	5.0	5.98	119.6
POTASSIUM	1000.0	1025.00	102.5
SODIUM	1000.0	1064.00	106.4
ZINC	20.0	20.78	103.9

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: PQL

File: IHG02A

Jul 02, 2014

10:06

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	307.10	102.4
BARIUM	5.0	5.37	107.4
CALCIUM	100.0	103.10	103.1
IRON	100.0	105.30	105.3
MAGNESIUM	100.0	112.40	112.4
MANGANESE	5.0	5.33	106.6
POTASSIUM	1000.0	1064.00	106.4
SODIUM	1000.0	1066.00	106.6
ZINC	20.0	20.38	101.9

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: PQL

File: IHG02C

Jul 03, 2014

00:00

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	315.00	105.0
BARIUM	5.0	5.48	109.6
CALCIUM	100.0	103.00	103.0
IRON	100.0	95.39	95.4
MAGNESIUM	100.0	96.10	96.1
MANGANESE	5.0	5.18	103.6
POTASSIUM	1000.0	1004.00	100.4
SODIUM	1000.0	1064.00	106.4
ZINC	20.0	20.41	102.1

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: PQL

File: JHG01A

Jul 01, 2014

13:54

Analyte	TRUE	FOUND	% R
ALUMINUM	60.0	61.67	102.8
ANTIMONY	0.2	0.22	110.0
ARSENIC	1.0	0.89	89.0
BERYLLIUM	0.2	0.19	95.0
CADMIUM	0.2	0.20	100.0
CALCIUM	20.0	17.59	87.9
CHROMIUM	1.0	0.95	95.0
COBALT	0.2	0.22	110.0
COPPER	0.6	0.63	105.0
IRON	20.0	21.00	105.0
LEAD	0.2	0.20	100.0
MAGNESIUM	20.0	20.32	101.6
MOLYBDENUM	1.0	0.96	96.0
NICKEL	0.4	0.39	97.5
POTASSIUM	200.0	201.80	100.9
SELENIUM	1.0	0.90	90.0
SILVER	0.2	0.21	105.0
SODIUM	200.0	212.50	106.3
THALLIUM	0.2	0.21	105.0
VANADIUM	1.0	0.95	95.0

2C
PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: PQL

File: JHG02A

Jul 02, 2014

15:39

Analyte	TRUE	FOUND	% R
ALUMINUM	60.0	62.08	103.5
ANTIMONY	0.2	0.20	100.0
ARSENIC	1.0	1.01	101.0
BERYLLIUM	0.2	0.20	100.0
CADMIUM	0.2	0.20	100.0
CALCIUM	20.0	20.80	104.0
CHROMIUM	1.0	0.97	97.0
COBALT	0.2	0.21	105.0
COPPER	0.6	0.63	105.0
IRON	20.0	21.35	106.8
LEAD	0.2	0.21	105.0
MAGNESIUM	20.0	20.54	102.7
MOLYBDENUM	1.0	1.04	104.0
NICKEL	0.4	0.43	107.5
POTASSIUM	200.0	210.80	105.4
SELENIUM	1.0	0.95	95.0
SILVER	0.2	0.20	100.0
SODIUM	200.0	212.80	106.4
THALLIUM	0.2	0.21	105.0
VANADIUM	1.0	0.99	99.0

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: PQL

File: JHG03A

Jul 03, 2014

17:54

Analyte	TRUE	FOUND	% R
ALUMINUM	60.0	60.03	100.1
ARSENIC	1.0	0.82	82.0
BERYLLIUM	0.2	0.20	100.0
CALCIUM	20.0	19.14	95.7
IRON	20.0	15.98	79.9
MAGNESIUM	20.0	20.28	101.4
MOLYBDENUM	1.0	0.99	99.0
POTASSIUM	200.0	197.10	98.5
SODIUM	200.0	211.00	105.5

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: PQL

File: JHG05A

Jul 05, 2014

14:42

Analyte	TRUE	FOUND	% R
ALUMINUM	60.0	61.19	102.0
BERYLLIUM	0.2	0.20	100.0
CALCIUM	20.0	19.74	98.7
IRON	20.0	18.66	93.3
MAGNESIUM	20.0	20.45	102.3
MOLYBDENUM	1.0	0.99	99.0
POTASSIUM	200.0	200.40	100.2
SODIUM	200.0	208.60	104.3

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: ICB

File: HHF27B Jun 27, 2014 14:57

Analyte	Result	C
MERCURY	0.033	U

SAMPLE: CCB

File: HHF27B Jun 27, 2014 15:06

Analyte	Result	C
MERCURY	0.033	U

SAMPLE: CCB

File: HHF27B Jun 27, 2014 15:29

Analyte	Result	C
MERCURY	0.045	J

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCB

File: HHF27B Jun 27, 2014 15:55

Analyte	Result	C
MERCURY	0.043	J

SAMPLE: CCB

File: HHF27B Jun 27, 2014 16:20

Analyte	Result	C
MERCURY	0.033	U

SAMPLE: CCB

File: HHF27B Jun 27, 2014 16:46

Analyte	Result	C
MERCURY	0.037	J

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCB

File: HHF27B Jun 27, 2014 17:12

Analyte	Result	C
MERCURY	0.041	J

SAMPLE: CCB

File: HHF27B Jun 27, 2014 17:36

Analyte	Result	C
MERCURY	0.035	J

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: ICB

File: HHF30A Jun 30, 2014 11:40

Analyte	Result	C
MERCURY	0.033	U

SAMPLE: CCB

File: HHF30A Jun 30, 2014 11:46

Analyte	Result	C
MERCURY	0.033	U

SAMPLE: CCB

File: HHF30A Jun 30, 2014 12:09

Analyte	Result	C
MERCURY	0.033	U

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCB

File: HHF30A Jun 30, 2014 12:35

Analyte	Result	C
MERCURY	0.033	U

SAMPLE: CCB

File: HHF30A Jun 30, 2014 13:14

Analyte	Result	C
MERCURY	0.033	U

SAMPLE: CCB

File: HHF30A Jun 30, 2014 13:39

Analyte	Result	C
MERCURY	0.033	U

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCB

File: HHF30A Jun 30, 2014 14:08

Analyte	Result	C
MERCURY	0.033	U

SAMPLE: CCB

File: HHF30A Jun 30, 2014 14:36

Analyte	Result	C
MERCURY	0.033	U

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: ICB

File: HHG04A Jul 04, 2014 12:57

Analyte	Result	C
MERCURY	0.050	J

SAMPLE: CCB

File: HHG04A Jul 04, 2014 13:03

Analyte	Result	C
MERCURY	0.048	J

SAMPLE: CCB

File: HHG04A Jul 04, 2014 13:26

Analyte	Result	C
MERCURY	0.040	J

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCB

File: HHG04A Jul 04, 2014 13:52

Analyte	Result	C
MERCURY	0.045	J

SAMPLE: CCB

File: HHG04A Jul 04, 2014 14:17

Analyte	Result	C
MERCURY	0.051	J

SAMPLE: CCB

File: HHG04A Jul 04, 2014 14:43

Analyte	Result	C
MERCURY	0.057	J

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: ICB

File: IHF23B Jun 23, 2014 18:40

Analyte	Result	C
ALUMINUM	17.000	U
BARIUM	0.310	U
CALCIUM	8.700	U
IRON	4.000	U
MAGNESIUM	7.700	U
MANGANESE	0.560	U
POTASSIUM	64.000	U
SODIUM	33.000	U
ZINC	0.450	U

SAMPLE: CCB

File: IHF23B Jun 23, 2014 19:17

Analyte	Result	C
ALUMINUM	17.000	U
BARIUM	0.310	U
CALCIUM	8.700	U
IRON	4.000	U
MAGNESIUM	17.890	J
MANGANESE	0.560	U
POTASSIUM	64.000	U
SODIUM	33.000	U
ZINC	0.450	U

SAMPLE: CCB

File: IHF23B Jun 23, 2014 20:12

Analyte	Result	C
ALUMINUM	17.000	U
BARIUM	0.310	U
CALCIUM	8.700	U
IRON	4.000	U
MAGNESIUM	7.700	U
MANGANESE	0.560	U
POTASSIUM	64.000	U
SODIUM	33.000	U
ZINC	0.450	U

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCB

File: IHF23B Jun 23, 2014 21:08

Analyte	Result	C
ALUMINUM	17.000	U
BARIUM	0.310	U
CALCIUM	14.810	J
IRON	4.161	J
MAGNESIUM	7.700	U
MANGANESE	-1.103	U
POTASSIUM	64.000	U
SODIUM	33.000	U
ZINC	0.450	U

SAMPLE: CCB

File: IHF23B Jun 23, 2014 22:03

Analyte	Result	C
ALUMINUM	17.000	U
BARIUM	0.310	U
CALCIUM	9.029	J
IRON	7.224	J
MAGNESIUM	7.700	U
MANGANESE	0.560	U
POTASSIUM	64.000	U
SODIUM	33.000	U
ZINC	0.450	U

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: ICB

File: IHF26A Jun 26, 2014 13:30

Analyte	Result	C
ALUMINUM	17.000	U
BARIUM	-0.321	U
CALCIUM	8.700	U
IRON	11.560	J
MAGNESIUM	7.700	U
MANGANESE	0.695	J
POTASSIUM	64.000	U
SODIUM	33.000	U
ZINC	0.450	U

SAMPLE: CCB

File: IHF26A Jun 26, 2014 14:06

Analyte	Result	C
ALUMINUM	28.920	J
BARIUM	0.310	U
CALCIUM	23.120	J
IRON	23.940	J
MAGNESIUM	18.190	J
MANGANESE	1.607	J
POTASSIUM	64.000	U
SODIUM	33.000	U
ZINC	0.450	U

SAMPLE: CCB

File: IHF26A Jun 26, 2014 14:53

Analyte	Result	C
ALUMINUM	17.000	U
BARIUM	0.310	U
CALCIUM	8.700	U
IRON	9.255	J
MAGNESIUM	7.700	U
MANGANESE	0.618	J
POTASSIUM	64.000	U
SODIUM	33.000	U
ZINC	0.450	U

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCB

File: IHF26A Jun 26, 2014 15:02

Analyte	Result	C
ALUMINUM	17.000	U
BARIUM	-0.405	U
CALCIUM	8.700	U
IRON	10.160	J
MAGNESIUM	7.700	U
MANGANESE	0.978	J
POTASSIUM	64.000	U
SODIUM	33.000	U
ZINC	0.450	U

SAMPLE: CCB

File: IHF26A Jun 26, 2014 15:57

Analyte	Result	C
ALUMINUM	17.000	U
BARIUM	0.310	U
CALCIUM	8.700	U
IRON	10.010	J
MAGNESIUM	7.700	U
MANGANESE	0.726	J
POTASSIUM	64.000	U
SODIUM	33.000	U
ZINC	0.450	U

SAMPLE: CCB

File: IHF26A Jun 26, 2014 16:53

Analyte	Result	C
ALUMINUM	17.000	U
BARIUM	-0.335	U
CALCIUM	8.700	U
IRON	13.340	J
MAGNESIUM	7.700	U
MANGANESE	0.560	U
POTASSIUM	64.000	U
SODIUM	33.000	U
ZINC	0.450	U

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCB

File: IHF26A Jun 26, 2014 17:48

Analyte	Result	C
ALUMINUM	17.000	U
BARIUM	0.310	U
CALCIUM	8.700	U
IRON	12.640	J
MAGNESIUM	7.700	U
MANGANESE	1.203	J
POTASSIUM	64.000	U
SODIUM	33.000	U
ZINC	0.450	U

SAMPLE: CCB

File: IHF26A Jun 26, 2014 18:43

Analyte	Result	C
ALUMINUM	17.000	U
BARIUM	0.310	U
CALCIUM	8.700	U
IRON	7.841	J
MAGNESIUM	7.700	U
MANGANESE	0.560	U
POTASSIUM	64.000	U
SODIUM	33.000	U
ZINC	0.450	U

SAMPLE: CCB

File: IHF26A Jun 26, 2014 19:39

Analyte	Result	C
ALUMINUM	17.000	U
BARIUM	0.310	U
CALCIUM	28.630	J
IRON	11.760	J
MAGNESIUM	7.700	U
MANGANESE	2.037	J
POTASSIUM	66.790	J
SODIUM	33.000	U
ZINC	0.687	J

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCB

File: IHF26A Jun 26, 2014 20:34

Analyte	Result	C
ALUMINUM	17.000	U
BARIUM	0.310	U
CALCIUM	8.700	U
IRON	8.272	J
MAGNESIUM	7.700	U
MANGANESE	0.560	U
POTASSIUM	64.000	U
SODIUM	33.000	U
ZINC	0.450	U

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: ICB

File: IHG02A Jul 02, 2014 10:02

Analyte	Result	C
ALUMINUM	17.000	U
BARIUM	0.310	U
CALCIUM	8.700	U
IRON	10.060	J
MAGNESIUM	7.700	U
MANGANESE	0.560	U
POTASSIUM	64.000	U
SODIUM	33.000	U
ZINC	0.450	U

SAMPLE: CCB

File: IHG02A Jul 02, 2014 10:39

Analyte	Result	C
ALUMINUM	22.080	J
BARIUM	0.310	U
CALCIUM	31.200	J
IRON	21.130	J
MAGNESIUM	47.270	J
MANGANESE	0.560	U
POTASSIUM	64.000	U
SODIUM	33.000	U
ZINC	0.450	U

SAMPLE: CCB

File: IHG02A Jul 02, 2014 11:35

Analyte	Result	C
ALUMINUM	17.000	U
BARIUM	0.310	U
CALCIUM	8.700	U
IRON	7.734	J
MAGNESIUM	7.700	U
MANGANESE	0.560	U
POTASSIUM	64.000	U
SODIUM	33.000	U
ZINC	0.450	U

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCB

File: IHG02A Jul 02, 2014 12:30

Analyte	Result	C
ALUMINUM	17.000	U
BARIUM	0.310	U
CALCIUM	8.700	U
IRON	7.563	J
MAGNESIUM	7.700	U
MANGANESE	0.560	U
POTASSIUM	64.000	U
SODIUM	33.000	U
ZINC	0.450	U

SAMPLE: CCB

File: IHG02A Jul 02, 2014 13:25

Analyte	Result	C
ALUMINUM	17.000	U
BARIUM	0.310	U
CALCIUM	8.700	U
IRON	6.193	J
MAGNESIUM	7.700	U
MANGANESE	0.560	U
POTASSIUM	64.000	U
SODIUM	33.000	U
ZINC	0.450	U

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: ICB

File: IHG02C Jul 02, 2014 23:55

Analyte	Result	C
ALUMINUM	17.000	U
BARIUM	0.310	U
CALCIUM	8.700	U
IRON	4.000	U
MAGNESIUM	7.700	U
MANGANESE	0.560	U
POTASSIUM	64.000	U
SODIUM	33.000	U
ZINC	0.450	U

SAMPLE: CCB

File: IHG02C Jul 03, 2014 0:33

Analyte	Result	C
ALUMINUM	17.000	U
BARIUM	0.310	U
CALCIUM	9.382	J
IRON	4.000	U
MAGNESIUM	7.700	U
MANGANESE	0.560	U
POTASSIUM	64.000	U
SODIUM	33.000	U
ZINC	0.450	U

SAMPLE: CCB

File: IHG02C Jul 03, 2014 1:28

Analyte	Result	C
ALUMINUM	17.000	U
BARIUM	0.310	U
CALCIUM	8.700	U
IRON	4.000	U
MAGNESIUM	-16.890	U
MANGANESE	0.560	U
POTASSIUM	64.000	U
SODIUM	33.000	U
ZINC	0.450	U

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCB

File: IHG02C Jul 03, 2014 2:23

Analyte	Result	C
ALUMINUM	17.000	U
BARIUM	0.310	U
CALCIUM	8.700	U
IRON	4.000	U
MAGNESIUM	-19.380	U
MANGANESE	0.560	U
POTASSIUM	64.000	U
SODIUM	33.000	U
ZINC	0.450	U

SAMPLE: CCB

File: IHG02C Jul 03, 2014 3:18

Analyte	Result	C
ALUMINUM	17.000	U
BARIUM	0.310	U
CALCIUM	8.700	U
IRON	-4.166	U
MAGNESIUM	-14.940	U
MANGANESE	0.560	U
POTASSIUM	64.000	U
SODIUM	33.000	U
ZINC	0.450	U

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: ICB

File: JHG01A Jul 01, 2014 13:51

Analyte	Result	C
ALUMINUM	0.340	U
ANTIMONY	0.022	J
ARSENIC	0.410	U
BERYLLIUM	0.003	J
CADMIUM	0.004	U
CALCIUM	-4.297	U
CHROMIUM	-0.050	U
COBALT	0.006	U
COPPER	0.029	U
IRON	4.700	U
LEAD	0.009	U
MAGNESIUM	0.690	U
MOLYBDENUM	0.120	U
NICKEL	0.019	U
POTASSIUM	8.200	U
SELENIUM	0.640	U
SILVER	0.004	U
SODIUM	3.900	U
THALLIUM	0.010	J
VANADIUM	0.150	U

SAMPLE: CCB

File: JHG01A Jul 01, 2014 14:11

Analyte	Result	C
ALUMINUM	0.340	U
ANTIMONY	0.012	J
ARSENIC	0.410	U
BERYLLIUM	0.003	U
CADMIUM	0.004	U
CALCIUM	4.100	U
CHROMIUM	-0.054	U
COBALT	0.006	U
COPPER	0.029	U
IRON	4.700	U
LEAD	0.009	U
MAGNESIUM	0.860	J
MOLYBDENUM	0.228	J
NICKEL	0.019	U
POTASSIUM	8.200	U
SELENIUM	0.640	U
SILVER	0.004	U
SODIUM	3.900	U
THALLIUM	0.009	J
VANADIUM	0.150	U

SAMPLE: CCB

File: JHG01A Jul 01, 2014 14:50

Analyte	Result	C
ALUMINUM	0.340	U
ANTIMONY	0.019	J
ARSENIC	0.410	U
BERYLLIUM	0.003	U
CADMIUM	0.004	U
CALCIUM	4.100	U
CHROMIUM	-0.054	U
COBALT	0.006	U
COPPER	0.029	U
IRON	4.700	U
LEAD	0.009	U
MAGNESIUM	0.690	U
MOLYBDENUM	0.120	U
NICKEL	0.019	U
POTASSIUM	8.200	U
SELENIUM	0.640	U
SILVER	0.004	U
SODIUM	3.900	U
THALLIUM	0.006	J
VANADIUM	0.150	U

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCB

File: JHG01A Jul 01, 2014 15:30

Analyte	Result	C
ALUMINUM	0.340	U
ANTIMONY	0.016	J
ARSENIC	0.410	U
BERYLLIUM	0.003	U
CADMIUM	0.004	U
CALCIUM	4.100	U
CHROMIUM	-0.061	U
COBALT	0.006	U
COPPER	0.029	U
IRON	4.700	U
LEAD	0.009	J
MAGNESIUM	0.690	U
MOLYBDENUM	0.120	U
NICKEL	0.019	U
POTASSIUM	8.200	U
SELENIUM	0.640	U
SILVER	0.004	U
SODIUM	3.900	U
THALLIUM	0.005	J
VANADIUM	0.150	U

SAMPLE: CCB

File: JHG01A Jul 01, 2014 16:12

Analyte	Result	C
ALUMINUM	5.337	J
ANTIMONY	0.014	J
ARSENIC	0.410	U
BERYLLIUM	0.003	U
CADMIUM	0.004	U
CALCIUM	4.100	U
CHROMIUM	-0.082	U
COBALT	0.006	U
COPPER	0.042	J
IRON	6.448	J
LEAD	0.009	U
MAGNESIUM	0.690	U
MOLYBDENUM	0.120	U
NICKEL	0.019	U
POTASSIUM	13.940	J
SELENIUM	0.640	U
SILVER	0.004	U
SODIUM	3.900	U
THALLIUM	0.004	J
VANADIUM	0.150	U

SAMPLE: CCB

File: JHG01A Jul 01, 2014 16:54

Analyte	Result	C
ALUMINUM	0.340	U
ANTIMONY	0.021	J
ARSENIC	0.410	U
BERYLLIUM	0.003	U
CADMIUM	0.005	J
CALCIUM	4.100	U
CHROMIUM	-0.036	U
COBALT	0.006	U
COPPER	0.029	U
IRON	4.700	U
LEAD	0.009	U
MAGNESIUM	0.690	U
MOLYBDENUM	0.120	U
NICKEL	0.019	U
POTASSIUM	8.200	U
SELENIUM	0.640	U
SILVER	0.004	U
SODIUM	3.900	U
THALLIUM	0.007	J
VANADIUM	0.150	U

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCB

File: JHG01A Jul 01, 2014 17:36

Analyte	Result	C
ALUMINUM	0.340	U
ANTIMONY	0.027	J
ARSENIC	0.410	U
BERYLLIUM	0.003	J
CADMIUM	0.008	J
CALCIUM	4.100	U
CHROMIUM	0.030	U
COBALT	0.006	U
COPPER	0.029	U
IRON	4.700	U
LEAD	0.009	U
MAGNESIUM	0.690	U
MOLYBDENUM	0.120	U
NICKEL	0.019	U
POTASSIUM	8.200	U
SELENIUM	0.640	U
SILVER	0.004	U
SODIUM	3.900	U
THALLIUM	0.006	J
VANADIUM	0.150	U

SAMPLE: CCB

File: JHG01A Jul 01, 2014 18:17

Analyte	Result	C
ALUMINUM	0.340	U
ANTIMONY	0.015	J
ARSENIC	0.410	U
BERYLLIUM	0.003	U
CADMIUM	0.004	U
CALCIUM	4.100	U
CHROMIUM	0.030	U
COBALT	0.006	U
COPPER	0.029	U
IRON	4.700	U
LEAD	0.009	U
MAGNESIUM	0.690	U
MOLYBDENUM	0.120	U
NICKEL	0.019	U
POTASSIUM	8.200	U
SELENIUM	0.640	U
SILVER	0.004	U
SODIUM	3.900	U
THALLIUM	0.009	J
VANADIUM	0.150	U

SAMPLE: CCB

File: JHG01A Jul 01, 2014 18:59

Analyte	Result	C
ALUMINUM	0.340	U
ANTIMONY	0.023	J
ARSENIC	0.410	U
BERYLLIUM	0.003	U
CADMIUM	0.006	J
CALCIUM	4.100	U
CHROMIUM	-0.035	U
COBALT	0.006	U
COPPER	0.029	U
IRON	4.700	U
LEAD	0.009	U
MAGNESIUM	0.690	U
MOLYBDENUM	0.120	U
NICKEL	0.019	U
POTASSIUM	8.200	U
SELENIUM	0.640	U
SILVER	0.004	U
SODIUM	3.900	U
THALLIUM	0.005	J
VANADIUM	0.150	U

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: ICB

File: JHG02A Jul 02, 2014 15:36

Analyte	Result	C
ALUMINUM	0.340	U
ANTIMONY	0.018	J
ARSENIC	0.410	U
BERYLLIUM	0.004	J
CADMIUM	0.004	U
CALCIUM	4.100	U
CHROMIUM	0.030	U
COBALT	0.006	U
COPPER	0.029	U
IRON	4.700	U
LEAD	0.015	J
MAGNESIUM	0.695	J
MOLYBDENUM	0.120	U
NICKEL	0.019	U
POTASSIUM	8.200	U
SELENIUM	0.640	U
SILVER	0.004	U
SODIUM	3.900	U
THALLIUM	0.010	J
VANADIUM	0.150	U

SAMPLE: CCB

File: JHG02A Jul 02, 2014 15:56

Analyte	Result	C
ALUMINUM	0.340	U
ANTIMONY	0.011	J
ARSENIC	0.410	U
BERYLLIUM	0.003	U
CADMIUM	0.004	U
CALCIUM	4.100	U
CHROMIUM	0.030	U
COBALT	0.006	U
COPPER	0.029	U
IRON	-7.005	U
LEAD	0.009	U
MAGNESIUM	0.690	U
MOLYBDENUM	0.248	J
NICKEL	0.019	U
POTASSIUM	8.200	U
SELENIUM	0.640	U
SILVER	0.004	U
SODIUM	3.900	U
THALLIUM	0.006	J
VANADIUM	0.150	U

SAMPLE: CCB

File: JHG02A Jul 02, 2014 16:35

Analyte	Result	C
ALUMINUM	0.340	U
ANTIMONY	0.008	J
ARSENIC	0.410	U
BERYLLIUM	0.003	U
CADMIUM	0.004	U
CALCIUM	-8.581	U
CHROMIUM	0.030	U
COBALT	0.006	U
COPPER	0.029	U
IRON	-8.288	U
LEAD	0.009	U
MAGNESIUM	0.690	U
MOLYBDENUM	0.120	U
NICKEL	0.019	U
POTASSIUM	8.200	U
SELENIUM	0.640	U
SILVER	0.004	U
SODIUM	3.900	U
THALLIUM	0.003	J
VANADIUM	0.150	U

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCB

File: JHG02A Jul 02, 2014 17:15

Analyte	Result	C
ALUMINUM	0.340	U
ANTIMONY	0.016	J
ARSENIC	0.410	U
BERYLLIUM	0.003	U
CADMIUM	0.006	J
CALCIUM	-9.142	U
CHROMIUM	0.030	U
COBALT	0.006	U
COPPER	0.029	U
IRON	-8.990	U
LEAD	0.009	U
MAGNESIUM	0.690	U
MOLYBDENUM	0.120	U
NICKEL	0.019	U
POTASSIUM	8.200	U
SELENIUM	0.640	U
SILVER	0.004	U
SODIUM	3.900	U
THALLIUM	0.003	U
VANADIUM	0.150	U

SAMPLE: CCB

File: JHG02A Jul 02, 2014 17:55

Analyte	Result	C
ALUMINUM	0.340	U
ANTIMONY	0.011	J
ARSENIC	0.410	U
BERYLLIUM	0.003	U
CADMIUM	0.004	U
CALCIUM	-8.095	U
CHROMIUM	0.030	U
COBALT	0.006	U
COPPER	0.029	U
IRON	-7.236	U
LEAD	0.010	J
MAGNESIUM	0.690	U
MOLYBDENUM	0.120	U
NICKEL	0.019	U
POTASSIUM	8.200	U
SELENIUM	0.640	U
SILVER	0.004	U
SODIUM	3.900	U
THALLIUM	0.004	J
VANADIUM	0.150	U

SAMPLE: CCB

File: JHG02A Jul 02, 2014 18:36

Analyte	Result	C
ALUMINUM	0.340	U
ANTIMONY	0.006	J
ARSENIC	0.410	U
BERYLLIUM	0.003	U
CADMIUM	0.004	U
CALCIUM	-7.229	U
CHROMIUM	0.030	U
COBALT	0.006	U
COPPER	0.029	U
IRON	-8.686	U
LEAD	0.009	U
MAGNESIUM	0.690	U
MOLYBDENUM	0.120	U
NICKEL	0.019	U
POTASSIUM	8.200	U
SELENIUM	0.640	U
SILVER	0.004	U
SODIUM	3.900	U
THALLIUM	0.003	U
VANADIUM	0.150	U

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCB

File: JHG02A Jul 02, 2014 19:11

Analyte	Result	C
ALUMINUM	0.340	U
ANTIMONY	0.016	J
ARSENIC	0.410	U
BERYLLIUM	0.003	U
CADMIUM	0.005	J
CALCIUM	-10.720	U
CHROMIUM	0.030	U
COBALT	0.006	U
COPPER	0.029	U
IRON	-9.835	U
LEAD	0.009	U
MAGNESIUM	0.690	U
MOLYBDENUM	0.120	U
NICKEL	0.019	U
POTASSIUM	8.200	U
SELENIUM	0.640	U
SILVER	0.004	U
SODIUM	3.900	U
THALLIUM	0.007	J
VANADIUM	0.150	U

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: ICB

File: JHG03A Jul 03, 2014 17:51

Analyte	Result	C
ALUMINUM	0.340	U
ARSENIC	0.410	U
BERYLLIUM	0.005	J
CALCIUM	4.100	U
IRON	4.700	U
MAGNESIUM	0.690	U
MOLYBDENUM	0.120	U
POTASSIUM	8.200	U
SODIUM	3.900	U

SAMPLE: CCB

File: JHG03A Jul 03, 2014 18:11

Analyte	Result	C
ALUMINUM	2.551	J
ARSENIC	0.410	U
BERYLLIUM	0.004	J
CALCIUM	4.100	U
IRON	4.700	U
MAGNESIUM	3.153	J
MOLYBDENUM	0.283	J
POTASSIUM	8.200	U
SODIUM	4.730	J

SAMPLE: CCB

File: JHG03A Jul 03, 2014 18:50

Analyte	Result	C
ALUMINUM	0.340	U
ARSENIC	0.410	U
BERYLLIUM	0.003	U
CALCIUM	4.100	U
IRON	-6.626	U
MAGNESIUM	0.690	U
MOLYBDENUM	0.120	U
POTASSIUM	8.200	U
SODIUM	3.900	U

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCB

File: JHG03A Jul 03, 2014 19:30

Analyte	Result	C
ALUMINUM	0.340	U
ARSENIC	0.410	U
BERYLLIUM	0.003	U
CALCIUM	4.100	U
IRON	4.700	U
MAGNESIUM	0.690	U
MOLYBDENUM	0.120	U
POTASSIUM	8.200	U
SODIUM	3.900	U

SAMPLE: CCB

File: JHG03A Jul 03, 2014 20:10

Analyte	Result	C
ALUMINUM	0.340	U
ARSENIC	0.410	U
BERYLLIUM	0.003	U
CALCIUM	4.100	U
IRON	4.700	U
MAGNESIUM	0.690	U
MOLYBDENUM	0.120	U
POTASSIUM	8.200	U
SODIUM	3.900	U

SAMPLE: CCB

File: JHG03A Jul 03, 2014 20:52

Analyte	Result	C
ALUMINUM	0.340	U
ARSENIC	0.410	U
BERYLLIUM	0.003	U
CALCIUM	4.100	U
IRON	6.268	J
MAGNESIUM	0.690	U
MOLYBDENUM	0.120	U
POTASSIUM	14.570	J
SODIUM	3.900	U

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: ICB

File: JHG05A Jul 05, 2014 14:39

Analyte	Result	C
ALUMINUM	0.340	U
BERYLLIUM	0.003	U
CALCIUM	4.100	U
IRON	4.700	U
MAGNESIUM	0.690	U
MOLYBDENUM	0.120	U
POTASSIUM	8.200	U
SODIUM	3.900	U

SAMPLE: CCB

File: JHG05A Jul 05, 2014 14:59

Analyte	Result	C
ALUMINUM	2.079	J
BERYLLIUM	0.003	J
CALCIUM	4.100	U
IRON	-8.200	U
MAGNESIUM	2.618	J
MOLYBDENUM	0.282	J
POTASSIUM	8.200	U
SODIUM	3.900	U

SAMPLE: CCB

File: JHG05A Jul 05, 2014 15:38

Analyte	Result	C
ALUMINUM	0.340	U
BERYLLIUM	0.003	U
CALCIUM	4.100	U
IRON	-8.131	U
MAGNESIUM	0.690	U
MOLYBDENUM	0.120	U
POTASSIUM	8.200	U
SODIUM	3.900	U

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: CCB

File: JHG05A Jul 05, 2014 16:18

Analyte	Result	C
ALUMINUM	0.487	J
BERYLLIUM	0.003	U
CALCIUM	4.100	U
IRON	-7.801	U
MAGNESIUM	0.690	U
MOLYBDENUM	0.120	U
POTASSIUM	8.200	U
SODIUM	3.900	U

3P
PREPARATION BLANKS

Lab Name: Katahdin Analytical Services

Sample ID: PBWHF20ICW2

Matrix: WATER

SDG Name: WE53-7

QC Batch ID: HF20ICW2

Concentration Units : ug/L

Analyte	RESULT	C
ALUMINUM	43	J
BARIUM	0.40	J
CALCIUM	53	J
IRON	80	U
MAGNESIUM	16	J
MANGANESE	4.0	U
POTASSIUM	500	U
SODIUM	500	U
ZINC	10	U

3P
PREPARATION BLANKS

Lab Name: Katahdin Analytical Services

Sample ID: PBWHF20IMW2

Matrix: WATER

SDG Name: WE53-7

QC Batch ID: HF20IMW2

Concentration Units : ug/L

Analyte	RESULT	C
ANTIMONY	0.50	U
ARSENIC	4.0	U
BERYLLIUM	0.20	U
CADMIUM	0.088	J
CHROMIUM	0.74	J
COBALT	0.30	U
COPPER	0.32	J
LEAD	0.50	U
NICKEL	1.2	U
SELENIUM	3.0	U
SILVER	0.40	U
THALLIUM	0.40	U
VANADIUM	4.0	U

3P
PREPARATION BLANKS

Lab Name: Katahdin Analytical Services

Sample ID: PBWHF23ICW2

Matrix: WATER

SDG Name: WE53-7

QC Batch ID: HF23ICW2

Concentration Units : ug/L

Analyte	RESULT	C
ALUMINUM	24	J
BARIUM	0.71	J
CALCIUM	80	U
IRON	6.8	J
MAGNESIUM	80	U
MANGANESE	1.8	J
POTASSIUM	65	J
SODIUM	26	J
ZINC	10	U

3P
PREPARATION BLANKS

Lab Name: Katahdin Analytical Services

Sample ID: PBWHF23IMW2

Matrix: WATER

SDG Name: WE53-7

QC Batch ID: HF23IMW2

Concentration Units : ug/L

Analyte	RESULT	C
ANTIMONY	0.50	U
ARSENIC	4.0	U
BERYLLIUM	0.20	U
CADMIUM	0.038	J
CHROMIUM	0.94	J
COBALT	0.30	U
COPPER	0.22	J
LEAD	0.086	J
NICKEL	1.2	U
SELENIUM	3.0	U
SILVER	0.40	U
THALLIUM	0.40	U
VANADIUM	0.61	J

3P
PREPARATION BLANKS

Lab Name: Katahdin Analytical Services

Sample ID: PBWHF24ICW1

Matrix: WATER

SDG Name: WE53-7

QC Batch ID: HF24ICW1

Concentration Units : ug/L

Analyte	RESULT	C
ALUMINUM	100	U
BARIUM	3.0	U
CALCIUM	11	J
IRON	80	U
MAGNESIUM	18	J
MANGANESE	4.0	U
POTASSIUM	500	U
SODIUM	44	J
ZINC	10	U

3P
PREPARATION BLANKS

Lab Name: Katahdin Analytical Services

Sample ID: PBWHF24ICW2

Matrix: WATER

SDG Name: WE53-7

QC Batch ID: HF24ICW2

Concentration Units : ug/L

Analyte	RESULT	C
ALUMINUM	100	U
BARIUM	3.0	U
CALCIUM	80	U
IRON	80	U
MAGNESIUM	80	U
MANGANESE	4.0	U
POTASSIUM	500	U
SODIUM	500	U
ZINC	10	U

3P
PREPARATION BLANKS

Lab Name: Katahdin Analytical Services

Sample ID: PBWHF24IMW1

Matrix: WATER

SDG Name: WE53-7

QC Batch ID: HF24IMW1

Concentration Units : ug/L

Analyte	RESULT	C
ANTIMONY	0.50	U
ARSENIC	4.0	U
BERYLLIUM	0.20	U
CADMIUM	0.20	U
CHROMIUM	0.96	J
COBALT	0.30	U
COPPER	0.37	J
LEAD	0.50	U
NICKEL	1.2	U
SELENIUM	0.84	J
SILVER	0.40	U
THALLIUM	0.40	U
VANADIUM	0.86	J

3P
PREPARATION BLANKS

Lab Name: Katahdin Analytical Services

Sample ID: PBWHF24IMW2

Matrix: WATER

SDG Name: WE53-7

QC Batch ID: HF24IMW2

Concentration Units : ug/L

Analyte	RESULT	C
ANTIMONY	0.50	U
ARSENIC	4.0	U
BERYLLIUM	0.20	U
CADMIUM	0.067	J
CHROMIUM	0.74	J
COBALT	0.30	U
COPPER	2.0	U
LEAD	0.50	U
NICKEL	1.2	U
SELENIUM	1.2	J
SILVER	0.40	U
THALLIUM	0.40	U
VANADIUM	0.73	J

3P
PREPARATION BLANKS

Lab Name: Katahdin Analytical Services

Sample ID: PBWHF26HGW3

Matrix: WATER

SDG Name: WE53-7

QC Batch ID: HF26HGW3

Concentration Units : ug/L

Analyte	RESULT	C
MERCURY	0.034	J

3P
PREPARATION BLANKS

Lab Name: Katahdin Analytical Services

Sample ID: PBWHF29HGW2

Matrix: WATER

SDG Name: WE53-7

QC Batch ID: HF29HGW2

Concentration Units : ug/L

Analyte	RESULT	C
MERCURY	0.10	U

3P
PREPARATION BLANKS

Lab Name: Katahdin Analytical Services

Sample ID: PBWHF29HGW3

Matrix: WATER

SDG Name: WE53-7

QC Batch ID: HF29HGW3

Concentration Units : ug/L

Analyte	RESULT	C
MERCURY	0.10	U

3P
PREPARATION BLANKS

Lab Name: Katahdin Analytical Services

Sample ID: PBWHG03HGW2

Matrix: WATER

SDG Name: WE53-7

QC Batch ID: HG03HGW2

Concentration Units : ug/L

Analyte	RESULT	C
MERCURY	0.040	J

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: ICSA

File: IHF23B Jun 23, 2014 19:03

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	495900	99.2
BARIUM	0	0	
CALCIUM	500000	464200	92.8
IRON	200000	184700	92.3
MAGNESIUM	500000	452500	90.5
MANGANESE	0	-1	
POTASSIUM	0	119	
SODIUM	0	43	
ZINC	0	3	

SAMPLE: ICSAB

File: IHF23B Jun 23, 2014 19:08

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	487300	97.5
BARIUM	500	511	102.2
CALCIUM	500000	457100	91.4
IRON	200000	181800	90.9
MAGNESIUM	500000	446000	89.2
MANGANESE	500	495	99.0
POTASSIUM	20000	20560	102.8
SODIUM	20000	20090	100.4
ZINC	1000	959	95.9

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: ICSA

File: IHF26A Jun 26, 2014 13:53

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	483900	96.8
BARIUM	0	0	
CALCIUM	500000	452200	90.4
IRON	200000	175600	87.8
MAGNESIUM	500000	463000	92.6
MANGANESE	0	0	
POTASSIUM	0	199	
SODIUM	0	33	
ZINC	0	1	

SAMPLE: ICSAB

File: IHF26A Jun 26, 2014 13:58

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	474700	94.9
BARIUM	500	521	104.2
CALCIUM	500000	442600	88.5
IRON	200000	171600	85.8
MAGNESIUM	500000	456800	91.4
MANGANESE	500	467	93.4
POTASSIUM	20000	19400	97.0
SODIUM	20000	19960	99.8
ZINC	1000	942	94.2

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: ICSA

File: IHG02A Jul 02, 2014 10:25

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	486500	97.3
BARIUM	0	0	
CALCIUM	500000	463600	92.7
IRON	200000	186100	93.0
MAGNESIUM	500000	440100	88.0
MANGANESE	0	0	
POTASSIUM	0	133	
SODIUM	0	117	
ZINC	0	1	

SAMPLE: ICSAB

File: IHG02A Jul 02, 2014 10:30

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	488300	97.7
BARIUM	500	523	104.6
CALCIUM	500000	462800	92.6
IRON	200000	182400	91.2
MAGNESIUM	500000	432700	86.5
MANGANESE	500	515	103.0
POTASSIUM	20000	21770	108.9
SODIUM	20000	20340	101.7
ZINC	1000	946	94.6

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: ICSA

File: IHG02C Jul 03, 2014 00:18

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	484600	96.9
BARIUM	0	0	
CALCIUM	500000	450400	90.1
IRON	200000	177100	88.5
MAGNESIUM	500000	453500	90.7
MANGANESE	0	-1	
POTASSIUM	0	21	
SODIUM	0	33	
ZINC	0	2	

SAMPLE: ICSAB

File: IHG02C Jul 03, 2014 00:23

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	481700	96.3
BARIUM	500	528	105.6
CALCIUM	500000	456200	91.2
IRON	200000	182800	91.4
MAGNESIUM	500000	444100	88.8
MANGANESE	500	495	99.0
POTASSIUM	20000	20890	104.5
SODIUM	20000	20720	103.6
ZINC	1000	959	95.9

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: ICSA

File: JHG01A Jul 01, 2014 13:57

Analyte	TRUE	FOUND	% R
ALUMINUM	100000	94920	94.9
ANTIMONY	0	0	
ARSENIC	0	0	
BERYLLIUM	0	0	
CADMIUM	0	0	
CALCIUM	100000	93710	93.7
CHROMIUM	0	2	
COBALT	0	0	
COPPER	0	1	
IRON	100000	89350	89.3
LEAD	0	0	
MAGNESIUM	100000	94480	94.5
MOLYBDENUM	2000	1873	93.7
NICKEL	0	0	
POTASSIUM	100000	95890	95.9
SELENIUM	0	0	
SILVER	0	0	
SODIUM	100000	96270	96.3
THALLIUM	0	0	
VANADIUM	0	0	

SAMPLE: ICSAB

File: JHG01A Jul 01, 2014 14:01

Analyte	TRUE	FOUND	% R
ALUMINUM	100000	94140	94.1
ANTIMONY	20	19	95.0
ARSENIC	20	20	100.0
BERYLLIUM	20	19	95.0
CADMIUM	20	19	95.0
CALCIUM	100000	90970	91.0
CHROMIUM	20	21	105.0
COBALT	20	19	95.0
COPPER	20	19	95.0
IRON	100000	88520	88.5
LEAD	20	20	100.0
MAGNESIUM	100000	91550	91.5
MOLYBDENUM	2000	1927	96.4
NICKEL	20	18	90.0
POTASSIUM	100000	94420	94.4
SELENIUM	20	20	100.0
SILVER	20	18	90.0
SODIUM	100000	92980	93.0
THALLIUM	20	20	100.0
VANADIUM	20	19	95.0

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: ICSA				SAMPLE: ICSAB			
File: JHG02A		Jul 02, 2014		File: JHG02A		Jul 02, 2014	
		15:42				15:46	
Analyte	TRUE	FOUND	% R	Analyte	TRUE	FOUND	% R
ALUMINUM	100000	94360	94.4	ALUMINUM	100000	91290	91.3
ANTIMONY	0	0		ANTIMONY	20	19	95.0
ARSENIC	0	1		ARSENIC	20	20	100.0
BERYLLIUM	0	0		BERYLLIUM	20	19	95.0
CADMIUM	0	0		CADMIUM	20	19	95.0
CALCIUM	100000	94160	94.2	CALCIUM	100000	89520	89.5
CHROMIUM	0	2		CHROMIUM	20	20	100.0
COBALT	0	0		COBALT	20	19	95.0
COPPER	0	1		COPPER	20	19	95.0
IRON	100000	89550	89.5	IRON	100000	88110	88.1
LEAD	0	0		LEAD	20	20	100.0
MAGNESIUM	100000	94420	94.4	MAGNESIUM	100000	90580	90.6
MOLYBDENUM	2000	1896	94.8	MOLYBDENUM	2000	1888	94.4
NICKEL	0	0		NICKEL	20	18	90.0
POTASSIUM	100000	96590	96.6	POTASSIUM	100000	92200	92.2
SELENIUM	0	0		SELENIUM	20	19	95.0
SILVER	0	0		SILVER	20	18	90.0
SODIUM	100000	95520	95.5	SODIUM	100000	92460	92.5
THALLIUM	0	0		THALLIUM	20	20	100.0
VANADIUM	0	0		VANADIUM	20	20	100.0

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: ICSA

File: JHG03A Jul 03, 2014 17:58

Analyte	TRUE	FOUND	% R
ALUMINUM	100000	92180	92.2
ARSENIC	0	0	
BERYLLIUM	0	0	
CALCIUM	100000	92610	92.6
IRON	100000	88960	89.0
MAGNESIUM	100000	93830	93.8
MOLYBDENUM	2000	1866	93.3
POTASSIUM	100000	94290	94.3
SODIUM	100000	95290	95.3

SAMPLE: ICSAB

File: JHG03A Jul 03, 2014 18:01

Analyte	TRUE	FOUND	% R
ALUMINUM	100000	90000	90.0
ARSENIC	20	19	95.0
BERYLLIUM	20	20	100.0
CALCIUM	100000	89810	89.8
IRON	100000	87300	87.3
MAGNESIUM	100000	91610	91.6
MOLYBDENUM	2000	1858	92.9
POTASSIUM	100000	92080	92.1
SODIUM	100000	93540	93.5

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services SDG Name: WE53-7

Concentration Units: ug/L

SAMPLE: ICSA

File: JHG05A Jul 05, 2014 14:45

Analyte	TRUE	FOUND	% R
ALUMINUM	100000	92610	92.6
BERYLLIUM	0	0	
CALCIUM	100000	92810	92.8
IRON	100000	86370	86.4
MAGNESIUM	100000	93790	93.8
MOLYBDENUM	2000	1842	92.1
POTASSIUM	100000	95760	95.8
SODIUM	100000	95290	95.3

SAMPLE: ICSAB

File: JHG05A Jul 05, 2014 14:49

Analyte	TRUE	FOUND	% R
ALUMINUM	100000	90640	90.6
BERYLLIUM	20	20	100.0
CALCIUM	100000	90660	90.7
IRON	100000	86370	86.4
MAGNESIUM	100000	90320	90.3
MOLYBDENUM	2000	1878	93.9
POTASSIUM	100000	93730	93.7
SODIUM	100000	91650	91.6

5A
SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-11-061714S

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4401-007P

Concentration Units : ug/L

Analyte	Spiked		Sample		Spike	%R	Q	Control Limits (%R)		M
	Sample	Result	C	Result				Low	High	
ALUMINUM, DISSOLVED		2040		43 J	2000	100.0		80	120	P
ANTIMONY, DISSOLVED		103		0.50 U	100	102.7		80	120	MS
ARSENIC, DISSOLVED		102		4.0 U	100	102.1		80	120	MS
BARIUM, DISSOLVED		2040		1.7 J	2000	101.9		80	120	P
BERYLLIUM, DISSOLVED		44.0		0.20 U	50	88.1		80	120	MS
CADMIUM, DISSOLVED		262		0.080 J	250	104.8		80	120	MS
CALCIUM, DISSOLVED		7120		4470	2500	105.8		80	120	P
CHROMIUM, DISSOLVED		199		4.67 J	200	97.3		80	120	MS
COBALT, DISSOLVED		514		0.079 J	500	102.9		80	120	MS
COPPER, DISSOLVED		678		0.70 J	250	270.7	N	80	120	MS
IRON, DISSOLVED		1180		198	1000	98.0		80	120	P
LEAD, DISSOLVED		106		0.094 J	100	105.4		80	120	MS
MAGNESIUM, DISSOLVED		6380		1570	5000	96.2		80	120	P
MANGANESE, DISSOLVED		942		463	500	95.9		80	120	P
NICKEL, DISSOLVED		512		1.4 J	500	102.2		80	120	MS
POTASSIUM, DISSOLVED		11000		528 J	10000	104.2		80	120	P
SELENIUM, DISSOLVED		99.0		0.39 J	100	98.6		80	120	MS
SILVER, DISSOLVED		51.0		0.40 U	50	101.9		80	120	MS
SODIUM, DISSOLVED		12000		4350	7500	102.0		80	120	P
THALLIUM, DISSOLVED		106		0.40 U	100	106.4		80	120	MS
VANADIUM, DISSOLVED		504		1.1 J	500	100.6		80	120	MS
ZINC, DISSOLVED		476		2.5 J	500	94.7		80	120	P

Comments:

5A
SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-11-061714S

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4401-007S

Concentration Units : ug/L

Analyte	Spiked		Sample		Spike	%R	Q	Control Limits (%R)		M
	Sample	Result	C	Result				Low	High	
ALUMINUM, DISSOLVED		2030		43 J	2000	99.4		80	120	P
ANTIMONY, DISSOLVED		99.7		0.50 U	100	99.7		80	120	MS
ARSENIC, DISSOLVED		102		4.0 U	100	101.7		80	120	MS
BARIUM, DISSOLVED		2040		1.7 J	2000	102.0		80	120	P
BERYLLIUM, DISSOLVED		45.3		0.20 U	50	90.5		80	120	MS
CADMIUM, DISSOLVED		256		0.080 J	250	102.2		80	120	MS
CALCIUM, DISSOLVED		7070		4470	2500	103.9		80	120	P
CHROMIUM, DISSOLVED		203		4.67 J	200	99.3		80	120	MS
COBALT, DISSOLVED		523		0.079 J	500	104.6		80	120	MS
COPPER, DISSOLVED		254		0.70 J	250	101.2		80	120	MS
IRON, DISSOLVED		1170		198	1000	97.5		80	120	P
LEAD, DISSOLVED		102		0.094 J	100	102.2		80	120	MS
MAGNESIUM, DISSOLVED		6240		1570	5000	93.3		80	120	P
MANGANESE, DISSOLVED		942		463	500	95.8		80	120	P
NICKEL, DISSOLVED		520		1.4 J	500	103.8		80	120	MS
POTASSIUM, DISSOLVED		10500		528 J	10000	99.8		80	120	P
SELENIUM, DISSOLVED		97.8		0.39 J	100	97.5		80	120	MS
SILVER, DISSOLVED		52.0		0.40 U	50	104.0		80	120	MS
SODIUM, DISSOLVED		11800		4350	7500	98.9		80	120	P
THALLIUM, DISSOLVED		95.5		0.40 U	100	95.5		80	120	MS
VANADIUM, DISSOLVED		516		1.1 J	500	103.0		80	120	MS
ZINC, DISSOLVED		477		2.5 J	500	94.9		80	120	P

Comments:

5A
SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-206-061814S

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4401-019P

Concentration Units : ug/L

Analyte	Spiked		Sample		Spike	%R	Q	Control Limits (%R)		M
	Sample	Result	C	Result				Low	High	
ALUMINUM, DISSOLVED		2020		35 J	2000	99.5		80	120	P
ANTIMONY, DISSOLVED		101		0.14 J	100	100.8		80	120	MS
ARSENIC, DISSOLVED		104		2.6 J	100	101.1		80	120	MS
BARIUM, DISSOLVED		2020		6.20	2000	100.5		80	120	P
BERYLLIUM, DISSOLVED		48.1		0.20 U	50	96.2		80	120	MS
CADMIUM, DISSOLVED		254		0.090 J	250	101.6		80	120	MS
CALCIUM, DISSOLVED	39100			38600	2500	20.8	N	80	120	P
CHROMIUM, DISSOLVED		201		1.1 J	200	100.1		80	120	MS
COBALT, DISSOLVED		517		0.989 J	500	103.2		80	120	MS
COPPER, DISSOLVED		250		0.78 J	250	99.8		80	120	MS
IRON, DISSOLVED		952		80 U	1000	95.2		80	120	P
LEAD, DISSOLVED		101		0.082 J	100	100.8		80	120	MS
MAGNESIUM, DISSOLVED	12600			8300	5000	86.8		80	120	P
MANGANESE, DISSOLVED		675		210	500	93.0		80	120	P
NICKEL, DISSOLVED		512		0.98 J	500	102.3		80	120	MS
POTASSIUM, DISSOLVED	11000			1490	10000	94.8		80	120	P
SELENIUM, DISSOLVED		100		3.0 U	100	100.6		80	120	MS
SILVER, DISSOLVED		51.0		0.40 U	50	101.9		80	120	MS
SODIUM, DISSOLVED	14100			7390	7500	89.6		80	120	P
THALLIUM, DISSOLVED		96.4		0.38 J	100	96.1		80	120	MS
VANADIUM, DISSOLVED		510		4.0 U	500	102.0		80	120	MS
ZINC, DISSOLVED		495		1.0 J	500	98.7		80	120	P

Comments:

5A
SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-206-061814S

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4401-019S

Concentration Units : ug/L

Analyte	Spiked		Sample		Spike	%R	Q	Control Limits (%R)		M
	Sample	Result	C	Result				Low	High	
ALUMINUM, DISSOLVED		1990		35 J	2000	97.5		80	120	P
ANTIMONY, DISSOLVED		101		0.14 J	100	100.9		80	120	MS
ARSENIC, DISSOLVED		105		2.6 J	100	102.3		80	120	MS
BARIUM, DISSOLVED		1990		6.20	2000	99.3		80	120	P
BERYLLIUM, DISSOLVED		47.1		0.20 U	50	94.2		80	120	MS
CADMIUM, DISSOLVED		255		0.090 J	250	102.1		80	120	MS
CALCIUM, DISSOLVED	38100			38600	2500	-20.8	N	80	120	P
CHROMIUM, DISSOLVED		199		1.1 J	200	99.0		80	120	MS
COBALT, DISSOLVED		511		0.989 J	500	102.0		80	120	MS
COPPER, DISSOLVED		250		0.78 J	250	99.8		80	120	MS
IRON, DISSOLVED		932		80 U	1000	93.2		80	120	P
LEAD, DISSOLVED		101		0.082 J	100	101.0		80	120	MS
MAGNESIUM, DISSOLVED	12500			8300	5000	84.4		80	120	P
MANGANESE, DISSOLVED		654		210	500	88.7		80	120	P
NICKEL, DISSOLVED		504		0.98 J	500	100.7		80	120	MS
POTASSIUM, DISSOLVED	10800			1490	10000	92.8		80	120	P
SELENIUM, DISSOLVED		104		3.0 U	100	103.5		80	120	MS
SILVER, DISSOLVED		50.9		0.40 U	50	101.8		80	120	MS
SODIUM, DISSOLVED	13900			7390	7500	86.3		80	120	P
THALLIUM, DISSOLVED		96.4		0.38 J	100	96.0		80	120	MS
VANADIUM, DISSOLVED		506		4.0 U	500	101.1		80	120	MS
ZINC, DISSOLVED		491		1.0 J	500	98.0		80	120	P

Comments:

5A
SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-210-061814S

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4521-008P

Concentration Units : ug/L

Analyte	Spiked		Sample		Spike		%R	Q	Control Limits (%R)			
	Sample	Result	C	Result	C	Added			Low	High	M	
ALUMINUM, TOTAL		1890		24	J		2000	93.4		80	120	P
ANTIMONY, TOTAL		92.7		0.13	J		100	92.6		80	120	MS
ARSENIC, TOTAL		98.4		4.0	U		100	98.4		80	120	MS
BARIUM, TOTAL		1900		6.06			2000	94.6		80	120	P
BERYLLIUM, TOTAL		47.4		0.20	U		50	94.8		80	120	MS
CADMIUM, TOTAL		249		0.059	J		250	99.7		80	120	MS
CALCIUM, TOTAL		32800		33000			2500	-6.4	N	80	120	P
CHROMIUM, TOTAL		180		0.73	J		200	89.8		80	120	MS
COBALT, TOTAL		464		0.15	J		500	92.8		80	120	MS
COPPER, TOTAL		230		4.26			250	90.2		80	120	MS
IRON, TOTAL		928		80	U		1000	92.8		80	120	P
LEAD, TOTAL		99.6		0.21	J		100	99.4		80	120	MS
MAGNESIUM, TOTAL		10200		6100			5000	82.4		80	120	P
MANGANESE, TOTAL		510		47.0			500	92.7		80	120	P
MERCURY, TOTAL		1.00		0.048	J		1	95.4		80	120	CV
NICKEL, TOTAL		469		1.86	J		500	93.4		80	120	MS
POTASSIUM, TOTAL		11300		1540			10000	97.5		80	120	P
SELENIUM, TOTAL		99.6		0.29	J		100	99.3		80	120	MS
SILVER, TOTAL		51.2		0.40	U		50	102.4		80	120	MS
SODIUM, TOTAL		14600		7990			7500	88.4		80	120	P
THALLIUM, TOTAL		95.1		0.40	U		100	95.1		80	120	MS
VANADIUM, TOTAL		464		1.1	J		500	92.5		80	120	MS
ZINC, TOTAL		474		4.9	J		500	93.8		80	120	P

Comments:

5A
SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-210-061814S

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4521-008S

Concentration Units : ug/L

Analyte	Spiked		Sample		Spike	%R	Q	Control Limits (%R)		M
	Sample	Result	C	Result				Low	High	
ALUMINUM, TOTAL		2020		24 J	2000	99.7		80	120	P
ANTIMONY, TOTAL		99.6		0.13 J	100	99.4		80	120	MS
ARSENIC, TOTAL		104		4.0 U	100	104.6		80	120	MS
BARIUM, TOTAL		1980		6.06	2000	98.5		80	120	P
BERYLLIUM, TOTAL		45.5		0.20 U	50	90.9		80	120	MS
CADMIUM, TOTAL		263		0.059 J	250	105.2		80	120	MS
CALCIUM, TOTAL		36300		33000	2500	133.6	N	80	120	P
CHROMIUM, TOTAL		202		0.73 J	200	100.4		80	120	MS
COBALT, TOTAL		516		0.15 J	500	103.2		80	120	MS
COPPER, TOTAL		247		4.26	250	97.3		80	120	MS
IRON, TOTAL		981		80 U	1000	98.1		80	120	P
LEAD, TOTAL		105		0.21 J	100	104.8		80	120	MS
MAGNESIUM, TOTAL		11100		6100	5000	99.8		80	120	P
MANGANESE, TOTAL		536		47.0	500	97.7		80	120	P
MERCURY, TOTAL		1.01		0.048 J	1	96.3		80	120	CV
NICKEL, TOTAL		512		1.86 J	500	101.9		80	120	MS
POTASSIUM, TOTAL		11600		1540	10000	100.4		80	120	P
SELENIUM, TOTAL		105		0.29 J	100	104.7		80	120	MS
SILVER, TOTAL		51.4		0.40 U	50	102.9		80	120	MS
SODIUM, TOTAL		15500		7990	7500	99.7		80	120	P
THALLIUM, TOTAL		98.3		0.40 U	100	98.3		80	120	MS
VANADIUM, TOTAL		510		1.1 J	500	101.7		80	120	MS
ZINC, TOTAL		493		4.9 J	500	97.6		80	120	P

Comments:

5A
SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-210-061814S

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4521-009P

Concentration Units : ug/L

Analyte	Spiked		Sample		Spike	%R	Q	Control Limits (%R)		M
	Sample	Result	C	Result				Low	High	
ALUMINUM, DISSOLVED		2060		32 J	2000	101.3		80	120	P
ANTIMONY, DISSOLVED		96.4		0.14 J	100	96.2		80	120	MS
ARSENIC, DISSOLVED		102		4.0 U	100	101.8		80	120	MS
BARIUM, DISSOLVED		2020		6.01	2000	100.5		80	120	P
BERYLLIUM, DISSOLVED		47.8		0.20 U	50	95.6		80	120	MS
CADMIUM, DISSOLVED		254		0.14 J	250	101.6		80	120	MS
CALCIUM, DISSOLVED	34200			32800	2500	57.6	N	80	120	P
CHROMIUM, DISSOLVED		204		0.78 J	200	101.6		80	120	MS
COBALT, DISSOLVED		526		0.26 J	500	105.1		80	120	MS
COPPER, DISSOLVED		254		1.2 J	250	101.2		80	120	MS
IRON, DISSOLVED		1020		80 U	1000	102.5		80	120	P
LEAD, DISSOLVED		102		0.13 J	100	102.0		80	120	MS
MAGNESIUM, DISSOLVED	10900			6160	5000	94.0		80	120	P
MANGANESE, DISSOLVED		560		47.0	500	102.6		80	120	P
NICKEL, DISSOLVED		518		2.14	500	103.2		80	120	MS
POTASSIUM, DISSOLVED	11500			1570	10000	99.5		80	120	P
SELENIUM, DISSOLVED		102		1.4 J	100	100.5		80	120	MS
SILVER, DISSOLVED		51.8		0.40 U	50	103.7		80	120	MS
SODIUM, DISSOLVED	14500			7850	7500	89.2		80	120	P
THALLIUM, DISSOLVED		94.8		0.40 U	100	94.8		80	120	MS
VANADIUM, DISSOLVED		518		1.2 J	500	103.4		80	120	MS
ZINC, DISSOLVED		502		1.7 J	500	100.0		80	120	P

Comments:

5A
SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-210-061814S

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4521-009S

Concentration Units : ug/L

Analyte	Spiked		Sample		Spike	%R	Q	Control Limits (%R)		M
	Sample	Result	C	Result				Low	High	
ALUMINUM, DISSOLVED		2060		32 J	2000	101.2		80	120	P
ANTIMONY, DISSOLVED		98.1		0.14 J	100	98.0		80	120	MS
ARSENIC, DISSOLVED		102		4.0 U	100	102.2		80	120	MS
BARIUM, DISSOLVED		2010		6.01	2000	100.0		80	120	P
BERYLLIUM, DISSOLVED		47.9		0.20 U	50	95.8		80	120	MS
CADMIUM, DISSOLVED		261		0.14 J	250	104.2		80	120	MS
CALCIUM, DISSOLVED	34000			32800	2500	48.8	N	80	120	P
CHROMIUM, DISSOLVED		204		0.78 J	200	101.7		80	120	MS
COBALT, DISSOLVED		524		0.26 J	500	104.8		80	120	MS
COPPER, DISSOLVED		254		1.2 J	250	101.2		80	120	MS
IRON, DISSOLVED		1020		80 U	1000	102.3		80	120	P
LEAD, DISSOLVED		103		0.13 J	100	103.2		80	120	MS
MAGNESIUM, DISSOLVED	10800			6160	5000	93.2		80	120	P
MANGANESE, DISSOLVED		561		47.0	500	102.7		80	120	P
MERCURY, DISSOLVED		1.09		0.10 U	1	108.7		80	120	CV
NICKEL, DISSOLVED		524		2.14	500	104.4		80	120	MS
POTASSIUM, DISSOLVED	11600			1570	10000	100.8		80	120	P
SELENIUM, DISSOLVED		103		1.4 J	100	101.8		80	120	MS
SILVER, DISSOLVED		52.6		0.40 U	50	105.2		80	120	MS
SODIUM, DISSOLVED	14500			7850	7500	88.4		80	120	P
THALLIUM, DISSOLVED		96.6		0.40 U	100	96.5		80	120	MS
VANADIUM, DISSOLVED		518		1.2 J	500	103.4		80	120	MS
ZINC, DISSOLVED		501		1.7 J	500	99.9		80	120	P

Comments:

5A
SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-SW-03-061914S

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4521-014P

Concentration Units : ug/L

Analyte	Spiked		C	Sample		C	Spike Added	%R	Q	Control Limits (%R)		M
	Sample	Result		Result	Low					High		
ALUMINUM, TOTAL		2200		120	J		2000	104.0		80	120	P
ANTIMONY, TOTAL		100		0.096	J		100	100.3		80	120	MS
ARSENIC, TOTAL		102		4.0	U		100	102.1		80	120	MS
BARIUM, TOTAL		2030		12.8			2000	101.0		80	120	P
BERYLLIUM, TOTAL		51.8		0.20	U		50	103.5		80	120	MS
CADMIUM, TOTAL		262		0.18	J		250	104.5		80	120	MS
CALCIUM, TOTAL		9430		6280			2500	125.8	N	80	120	P
CHROMIUM, TOTAL		208		1.2	J		200	103.2		80	120	MS
COBALT, TOTAL		526		1.24			500	105.1		80	120	MS
COPPER, TOTAL		266		8.54			250	103.0		80	120	MS
IRON, TOTAL		1480		380			1000	110.5		80	120	P
LEAD, TOTAL		108		1.59			100	106.1		80	120	MS
MAGNESIUM, TOTAL		6550		1360			5000	103.9		80	120	P
MANGANESE, TOTAL		564		41.3			500	104.5		80	120	P
NICKEL, TOTAL		527		2.24			500	105.0		80	120	MS
POTASSIUM, TOTAL		11600		1490			10000	101.1		80	120	P
SELENIUM, TOTAL		101		0.98	J		100	100.5		80	120	MS
SILVER, TOTAL		52.8		0.070	J		50	105.4		80	120	MS
SODIUM, TOTAL		10600		3470			7500	95.3		80	120	P
THALLIUM, TOTAL		98.7		0.077	J		100	98.6		80	120	MS
VANADIUM, TOTAL		520		1.7	J		500	103.6		80	120	MS
ZINC, TOTAL		520		13.7	J		500	101.3		80	120	P

Comments:

5A
SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-SW-03-061914S

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4521-014S

Concentration Units : ug/L

Analyte	Spiked		C	Sample		C	Spike	%R	Q	Control Limits (%R)		M
	Sample	Result		Result	Low					High		
ALUMINUM, TOTAL		2160		120	J		2000	102.3		80	120	P
ANTIMONY, TOTAL		97.2		0.096	J		100	97.1		80	120	MS
ARSENIC, TOTAL		100		4.0	U		100	100.3		80	120	MS
BARIUM, TOTAL		2000		12.8			2000	99.5		80	120	P
BERYLLIUM, TOTAL		50.5		0.20	U		50	101.0		80	120	MS
CADMIUM, TOTAL		255		0.18	J		250	101.9		80	120	MS
CALCIUM, TOTAL		9020		6280			2500	109.5		80	120	P
CHROMIUM, TOTAL		204		1.2	J		200	101.4		80	120	MS
COBALT, TOTAL		518		1.24			500	103.5		80	120	MS
COPPER, TOTAL		263		8.54			250	101.9		80	120	MS
IRON, TOTAL		1460		380			1000	107.5		80	120	P
LEAD, TOTAL		104		1.59			100	102.3		80	120	MS
MAGNESIUM, TOTAL		6390		1360			5000	100.6		80	120	P
MANGANESE, TOTAL		558		41.3			500	103.4		80	120	P
MERCURY, TOTAL		1.19		0.10	U		1	119.4		80	120	CV
NICKEL, TOTAL		518		2.24			500	103.2		80	120	MS
POTASSIUM, TOTAL		11400		1490			10000	98.9		80	120	P
SELENIUM, TOTAL		99.3		0.98	J		100	98.3		80	120	MS
SILVER, TOTAL		52.0		0.070	J		50	103.9		80	120	MS
SODIUM, TOTAL		10300		3470			7500	90.9		80	120	P
THALLIUM, TOTAL		95.4		0.077	J		100	95.4		80	120	MS
VANADIUM, TOTAL		511		1.7	J		500	101.9		80	120	MS
ZINC, TOTAL		512		13.7	J		500	99.8		80	120	P

Comments:

5A
SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-SW-03-061914S

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4521-015P

Concentration Units : ug/L

Analyte	Spiked		C	Sample		C	Spike Added	%R	Q	Control Limits (%R)		
	Sample	Result		Result	Low					High	M	
ALUMINUM, DISSOLVED		2020		49	J		2000	98.3		80	120	P
ANTIMONY, DISSOLVED		99.0		0.14	J		100	98.9		80	120	MS
ARSENIC, DISSOLVED		102		4.0	U		100	101.6		80	120	MS
BARIUM, DISSOLVED		2000		11.9			2000	99.7		80	120	P
BERYLLIUM, DISSOLVED		46.3		0.20	U		50	92.6		80	120	MS
CADMIUM, DISSOLVED		261		0.12	J		250	104.4		80	120	MS
CALCIUM, DISSOLVED		8900		6660			2500	89.4		80	120	P
CHROMIUM, DISSOLVED		205		1.1	J		200	101.9		80	120	MS
COBALT, DISSOLVED		532		1.12			500	106.1		80	120	MS
COPPER, DISSOLVED		260		4.01			250	102.5		80	120	MS
IRON, DISSOLVED		1200		215			1000	98.7		80	120	P
LEAD, DISSOLVED		104		0.46	J		100	104.0		80	120	MS
MAGNESIUM, DISSOLVED		6270		1410			5000	97.1		80	120	P
MANGANESE, DISSOLVED		523		38.3			500	97.0		80	120	P
NICKEL, DISSOLVED		522		2.04			500	104.0		80	120	MS
POTASSIUM, DISSOLVED		11000		1460			10000	95.1		80	120	P
SELENIUM, DISSOLVED		103		0.80	J		100	102.0		80	120	MS
SILVER, DISSOLVED		53.0		0.40	U		50	106.0		80	120	MS
SODIUM, DISSOLVED		10700		3740			7500	92.8		80	120	P
THALLIUM, DISSOLVED		97.6		0.067	J		100	97.5		80	120	MS
VANADIUM, DISSOLVED		520		1.3	J		500	103.7		80	120	MS
ZINC, DISSOLVED		503		10.4	J		500	98.5		80	120	P

Comments:

5A
SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-SW-03-061914S

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4521-015S

Concentration Units : ug/L

Analyte	Spiked		Sample		Spike	%R	Q	Control Limits (%R)		M
	Sample	Result	C	Result				Low	High	
ALUMINUM, DISSOLVED		1940		49 J	2000	94.4		80	120	P
ANTIMONY, DISSOLVED		94.8		0.14 J	100	94.7		80	120	MS
ARSENIC, DISSOLVED		98.5		4.0 U	100	98.5		80	120	MS
BARIUM, DISSOLVED		1940		11.9	2000	96.7		80	120	P
BERYLLIUM, DISSOLVED		47.2		0.20 U	50	94.4		80	120	MS
CADMIUM, DISSOLVED		256		0.12 J	250	102.3		80	120	MS
CALCIUM, DISSOLVED		8640		6660	2500	79.0	N	80	120	P
CHROMIUM, DISSOLVED		193		1.1 J	200	96.0		80	120	MS
COBALT, DISSOLVED		500		1.12	500	99.7		80	120	MS
COPPER, DISSOLVED		248		4.01	250	97.5		80	120	MS
IRON, DISSOLVED		1150		215	1000	93.9		80	120	P
LEAD, DISSOLVED		102		0.46 J	100	101.0		80	120	MS
MAGNESIUM, DISSOLVED		6080		1410	5000	93.4		80	120	P
MANGANESE, DISSOLVED		510		38.3	500	94.3		80	120	P
MERCURY, DISSOLVED		1.09		0.10 U	1	108.8		80	120	CV
NICKEL, DISSOLVED		500		2.04	500	99.7		80	120	MS
POTASSIUM, DISSOLVED		11000		1460	10000	95.8		80	120	P
SELENIUM, DISSOLVED		99.7		0.80 J	100	98.9		80	120	MS
SILVER, DISSOLVED		52.4		0.40 U	50	104.9		80	120	MS
SODIUM, DISSOLVED		10600		3740	7500	91.1		80	120	P
THALLIUM, DISSOLVED		94.8		0.067 J	100	94.7		80	120	MS
VANADIUM, DISSOLVED		491		1.3 J	500	97.9		80	120	MS
ZINC, DISSOLVED		487		10.4 J	500	95.3		80	120	P

Comments:

5B

POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-11-061714S

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4401-007A

Concentration Units : ug/L

Analyte	Spiked		C	Sample		C	Spike Added	%R	Q	Control Limits (%R)		
	Sample	Result		Result	Low					High	M	
ALUMINUM, DISSOLVED		9950		43	J		10500	94.4		75	125	P
ANTIMONY, DISSOLVED		1.92		0.011	U		2	96.0		75	125	MS
ARSENIC, DISSOLVED		9.78		0.45	U		10	97.8		75	125	MS
BARIUM, DISSOLVED		482		1.7	J		500	96.1		75	125	P
BERYLLIUM, DISSOLVED		1.80		0.0067	U		2	89.8		75	125	MS
CADMIUM, DISSOLVED		1.98		0.016	J		2	98.4		75	125	MS
CALCIUM, DISSOLVED		9800		4470			5500	96.9		75	125	P
CHROMIUM, DISSOLVED		11.0		0.934	J		10	100.9		75	125	MS
COBALT, DISSOLVED		1.97		0.016	J		2	97.9		75	125	MS
COPPER, DISSOLVED		6.14		0.14	J		6	100.1		75	125	MS
IRON, DISSOLVED		5370		198			5500	94.0		75	125	P
LEAD, DISSOLVED		1.97		0.019	J		2	97.5		75	125	MS
MAGNESIUM, DISSOLVED		6660		1570			5500	92.5		75	125	P
MANGANESE, DISSOLVED		907		463			500	88.9		75	125	P
NICKEL, DISSOLVED		4.29		0.29	J		4	100.0		75	125	MS
POTASSIUM, DISSOLVED		10000		528	J		10000	94.8		75	125	P
SELENIUM, DISSOLVED		9.33		0.078	J		10	92.5		75	125	MS
SILVER, DISSOLVED		2.04		0.010	U		2	101.8		75	125	MS
SODIUM, DISSOLVED		9640		4350			5500	96.2		75	125	P
THALLIUM, DISSOLVED		1.93		0.012	U		2	96.5		75	125	MS
VANADIUM, DISSOLVED		9.62		0.21	J		10	94.1		75	125	MS
ZINC, DISSOLVED		466		2.5	J		500	92.7		75	125	P

Comments:

5B

POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-206-061814S

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4401-019A

Concentration Units : ug/L

Analyte	Spiked		Sample		Spike		%R	Q	Control Limits (%R)		M
	Sample	Result	C	Result	C	Added			Low	High	
ALUMINUM, DISSOLVED		9710		35	J	10500	92.2		75	125	P
ANTIMONY, DISSOLVED	2.00			0.029	J	2	98.8		75	125	MS
ARSENIC, DISSOLVED	10.0			0.52	J	10	95.2		75	125	MS
BARIUM, DISSOLVED	474			6.20		500	93.6		75	125	P
BERYLLIUM, DISSOLVED	1.94			0.0067	U	2	97.0		75	125	MS
CADMIUM, DISSOLVED	2.02			0.018	J	2	99.9		75	125	MS
CALCIUM, DISSOLVED	41700			38600		5500	55.6	A	75	125	P
CHROMIUM, DISSOLVED	10.1			0.22	J	10	99.0		75	125	MS
COBALT, DISSOLVED	2.17			0.198	J	2	98.6		75	125	MS
COPPER, DISSOLVED	6.15			0.16	J	6	99.9		75	125	MS
IRON, DISSOLVED	4860			5.4	U	5500	88.4		75	125	P
LEAD, DISSOLVED	1.98			0.016	J	2	98.0		75	125	MS
MAGNESIUM, DISSOLVED	13300			8300		5500	91.1		75	125	P
MANGANESE, DISSOLVED	632			210		500	84.5		75	125	P
NICKEL, DISSOLVED	4.07			0.20	J	4	96.8		75	125	MS
POTASSIUM, DISSOLVED	10300			1490		10000	88.0		75	125	P
SELENIUM, DISSOLVED	9.48			0.037	U	10	94.8		75	125	MS
SILVER, DISSOLVED	1.94			0.010	U	2	97.0		75	125	MS
SODIUM, DISSOLVED	12200			7390		5500	86.9		75	125	P
THALLIUM, DISSOLVED	1.98			0.076	J	2	95.5		75	125	MS
VANADIUM, DISSOLVED	9.64			0.10	U	10	96.4		75	125	MS
ZINC, DISSOLVED	477			1.0	J	500	95.1		75	125	P

Comments:

5B
POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-210-061814S

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4521-008A

Concentration Units : ug/L

Analyte	Spiked		Sample		Spike	%R	Q	Control Limits (%R)		M
	Sample	Result	C	Result				Low	High	
ALUMINUM, TOTAL		10100		24 J	10500	96.2		75	125	P
ANTIMONY, TOTAL		1.92		0.026 J	2	94.5		75	125	MS
ARSENIC, TOTAL		9.98		0.45 U	10	99.8		75	125	MS
BARIUM, TOTAL		484		6.06	500	95.7		75	125	P
BERYLLIUM, TOTAL		1.90		0.0067 U	2	95.3		75	125	MS
CADMIUM, TOTAL		2.06		0.012 J	2	102.2		75	125	MS
CALCIUM, TOTAL		37700		33000	5500	86.2		75	125	P
CHROMIUM, TOTAL		10.2		0.14 J	10	100.5		75	125	MS
COBALT, TOTAL		2.02		0.029 J	2	99.4		75	125	MS
COPPER, TOTAL		6.93		0.852	6	101.3		75	125	MS
IRON, TOTAL		5240		5.4 U	5500	95.3		75	125	P
LEAD, TOTAL		2.08		0.041 J	2	102.2		75	125	MS
MAGNESIUM, TOTAL		11200		6100	5500	92.0		75	125	P
MANGANESE, TOTAL		515		47.0	500	93.6		75	125	P
MERCURY, TOTAL		1.04		0.048 J	1	99.5		75	125	CV
NICKEL, TOTAL		4.38		0.373 J	4	100.1		75	125	MS
POTASSIUM, TOTAL		11000		1540	10000	94.1		75	125	P
SELENIUM, TOTAL		9.70		0.058 J	10	96.4		75	125	MS
SILVER, TOTAL		2.08		0.010 U	2	104.2		75	125	MS
SODIUM, TOTAL		13300		7990	5500	96.5		75	125	P
THALLIUM, TOTAL		2.02		0.012 U	2	101.2		75	125	MS
VANADIUM, TOTAL		9.80		0.22 J	10	95.8		75	125	MS
ZINC, TOTAL		485		4.9 J	500	96.1		75	125	P

Comments:

POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-210-061814S

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4521-009A

Concentration Units : ug/L

Analyte	Spiked		Sample		Spike	%R	Q	Control Limits (%R)		M
	Sample	Result	C	Result				Low	High	
ALUMINUM, DISSOLVED		10200		32 J	10500	96.6		75	125	P
ANTIMONY, DISSOLVED		1.89		0.028 J	2	93.3		75	125	MS
ARSENIC, DISSOLVED		9.88		0.45 U	10	98.8		75	125	MS
BARIUM, DISSOLVED		480		6.01	500	94.9		75	125	P
BERYLLIUM, DISSOLVED		1.94		0.0067 U	2	97.1		75	125	MS
CADMIUM, DISSOLVED		2.00		0.027 J	2	98.8		75	125	MS
CALCIUM, DISSOLVED		37700		32800	5500	89.5		75	125	P
CHROMIUM, DISSOLVED		10.1		0.16 J	10	99.1		75	125	MS
COBALT, DISSOLVED		1.97		0.053 J	2	95.9		75	125	MS
COPPER, DISSOLVED		6.20		0.23 J	6	99.5		75	125	MS
IRON, DISSOLVED		5390		5.4 U	5500	98.0		75	125	P
LEAD, DISSOLVED		2.09		0.026 J	2	103.3		75	125	MS
MAGNESIUM, DISSOLVED		11300		6160	5500	93.3		75	125	P
MANGANESE, DISSOLVED		538		47.0	500	98.3		75	125	P
MERCURY, DISSOLVED		1.14		0.013 U	1	113.8		75	125	CV
NICKEL, DISSOLVED		4.25		0.427	4	95.5		75	125	MS
POTASSIUM, DISSOLVED		11300		1570	10000	97.4		75	125	P
SELENIUM, DISSOLVED		9.73		0.29 J	10	94.4		75	125	MS
SILVER, DISSOLVED		2.04		0.010 U	2	102.0		75	125	MS
SODIUM, DISSOLVED		12900		7850	5500	92.2		75	125	P
THALLIUM, DISSOLVED		1.94		0.012 U	2	97.2		75	125	MS
VANADIUM, DISSOLVED		9.75		0.24 J	10	95.1		75	125	MS
ZINC, DISSOLVED		479		1.7 J	500	95.5		75	125	P

Comments:

POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-SW-03-061914S

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4521-014A

Concentration Units : ug/L

Analyte	Spiked		Sample		Spike	%R	Q	Control Limits (%R)		M
	Sample	Result	C	Result				Low	High	
ALUMINUM, TOTAL		10300		120 J	10500	96.6		75	125	P
ANTIMONY, TOTAL		1.93		0.019 J	2	95.6		75	125	MS
ARSENIC, TOTAL		5.86		0.45 U	10	58.6	A	75	125	MS
BARIUM, TOTAL		487		12.8	500	94.9		75	125	P
BERYLLIUM, TOTAL		2.01		0.0067 U	2	100.5		75	125	MS
CADMIUM, TOTAL		2.23		0.036 J	2	109.7		75	125	MS
CALCIUM, TOTAL		11800		6280	5500	100.0		75	125	P
CHROMIUM, TOTAL		10.4		0.24 J	10	101.7		75	125	MS
COBALT, TOTAL		2.23		0.248	2	98.9		75	125	MS
COPPER, TOTAL		8.86		1.71	6	119.1		75	125	MS
IRON, TOTAL		5790		380	5500	98.3		75	125	P
LEAD, TOTAL		2.33		0.318	2	100.8		75	125	MS
MAGNESIUM, TOTAL		6860		1360	5500	100.1		75	125	P
MANGANESE, TOTAL		536		41.3	500	99.0		75	125	P
MERCURY, TOTAL		1.08		0.013 U	1	107.5		75	125	CV
NICKEL, TOTAL		4.45		0.448	4	100.1		75	125	MS
POTASSIUM, TOTAL		11200		1490	10000	97.4		75	125	P
SELENIUM, TOTAL		10.2		0.20 J	10	99.7		75	125	MS
SILVER, TOTAL		2.10		0.014 J	2	104.3		75	125	MS
SODIUM, TOTAL		8650		3470	5500	94.1		75	125	P
THALLIUM, TOTAL		1.99		0.015 J	2	98.7		75	125	MS
VANADIUM, TOTAL		9.87		0.33 J	10	95.4		75	125	MS
ZINC, TOTAL		494		13.7 J	500	96.0		75	125	P

Comments:

5B
POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-SW-03-061914S

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4521-015A

Concentration Units : ug/L

Analyte	Spiked		Sample		Spike	%R	Q	Control Limits (%R)		M
	Sample	Result	C	Result				Low	High	
ALUMINUM, DISSOLVED		10000		49 J	10500	95.0		75	125	P
ANTIMONY, DISSOLVED		1.91		0.029 J	2	94.0		75	125	MS
ARSENIC, DISSOLVED		9.84		0.45 U	10	98.4		75	125	MS
BARIUM, DISSOLVED		484		11.9	500	94.5		75	125	P
BERYLLIUM, DISSOLVED		1.91		0.0067 U	2	95.5		75	125	MS
CADMIUM, DISSOLVED		2.04		0.025 J	2	101.0		75	125	MS
CALCIUM, DISSOLVED		11800		6660	5500	93.1		75	125	P
CHROMIUM, DISSOLVED		10.4		0.22 J	10	101.7		75	125	MS
COBALT, DISSOLVED		2.21		0.223	2	99.1		75	125	MS
COPPER, DISSOLVED		6.71		0.803	6	98.5		75	125	MS
IRON, DISSOLVED		5430		215	5500	94.7		75	125	P
LEAD, DISSOLVED		2.09		0.092 J	2	99.8		75	125	MS
MAGNESIUM, DISSOLVED		6760		1410	5500	97.4		75	125	P
MANGANESE, DISSOLVED		507		38.3	500	93.7		75	125	P
MERCURY, DISSOLVED		1.04		0.013 U	1	103.8		75	125	CV
NICKEL, DISSOLVED		4.36		0.408	4	98.8		75	125	MS
POTASSIUM, DISSOLVED		10800		1460	10000	92.9		75	125	P
SELENIUM, DISSOLVED		9.54		0.16 J	10	93.8		75	125	MS
SILVER, DISSOLVED		2.04		0.010 U	2	102.0		75	125	MS
SODIUM, DISSOLVED		8850		3740	5500	92.9		75	125	P
THALLIUM, DISSOLVED		1.98		0.013 J	2	98.2		75	125	MS
VANADIUM, DISSOLVED		9.96		0.25 J	10	97.1		75	125	MS
ZINC, DISSOLVED		490		10.4 J	500	95.9		75	125	P

Comments:

5D
SPIKE DUPLICATES

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-11-061714

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4401-007

Concentration Units : ug/L

Analyte	Control Limits	Spike Result	C	Spike Dup. Result	C	RPD	Q	M
ALUMINUM, DISSOLVED		2030		2040		0.6		P
ANTIMONY, DISSOLVED		99.7		103		2.9		MS
ARSENIC, DISSOLVED		102		102		0.3		MS
BARIUM, DISSOLVED		2040		2040		0.1		P
BERYLLIUM, DISSOLVED		45.3		44.0		2.7		MS
CADMIUM, DISSOLVED		256		262		2.5		MS
CALCIUM, DISSOLVED		7070		7120		0.7		P
CHROMIUM, DISSOLVED		203		199		1.9		MS
COBALT, DISSOLVED		523		514		1.6		MS
COPPER, DISSOLVED		254		678		91.0	*	MS
IRON, DISSOLVED		1170		1180		0.4		P
LEAD, DISSOLVED		102		106		3.1		MS
MAGNESIUM, DISSOLVED		6240		6380		2.3		P
MANGANESE, DISSOLVED		942		942		0.1		P
NICKEL, DISSOLVED		520		512		1.5		MS
POTASSIUM, DISSOLVED		10500		11000		4.1		P
SELENIUM, DISSOLVED		97.8		99.0		1.2		MS
SILVER, DISSOLVED		52.0		51.0		2.0		MS
SODIUM, DISSOLVED		11800		12000		1.9		P
THALLIUM, DISSOLVED		95.5		106		10.8		MS
VANADIUM, DISSOLVED		516		504		2.4		MS
ZINC, DISSOLVED		477		476		0.2		P

Comments:

5D
SPIKE DUPLICATES

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-206-061814

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4401-019

Concentration Units : ug/L

Analyte	Control Limits	Spike Result	C	Spike Dup. Result	C	RPD	Q	M
ALUMINUM, DISSOLVED		1990		2020		1.9		P
ANTIMONY, DISSOLVED		101		101		0.0		MS
ARSENIC, DISSOLVED		105		104		1.1		MS
BARIUM, DISSOLVED		1990		2020		1.2		P
BERYLLIUM, DISSOLVED		47.1		48.1		2.0		MS
CADMIUM, DISSOLVED		255		254		0.6		MS
CALCIUM, DISSOLVED		38100		39100		2.7		P
CHROMIUM, DISSOLVED		199		201		1.1		MS
COBALT, DISSOLVED		511		517		1.2		MS
COPPER, DISSOLVED		250		250		0.0		MS
IRON, DISSOLVED		932		952		2.2		P
LEAD, DISSOLVED		101		101		0.2		MS
MAGNESIUM, DISSOLVED		12500		12600		1.0		P
MANGANESE, DISSOLVED		654		675		3.3		P
NICKEL, DISSOLVED		504		512		1.6		MS
POTASSIUM, DISSOLVED		10800		11000		1.8		P
SELENIUM, DISSOLVED		104		100		2.9		MS
SILVER, DISSOLVED		50.9		51.0		0.1		MS
SODIUM, DISSOLVED		13900		14100		1.8		P
THALLIUM, DISSOLVED		96.4		96.4		0.1		MS
VANADIUM, DISSOLVED		506		510		0.9		MS
ZINC, DISSOLVED		491		495		0.7		P

Comments:

5D
SPIKE DUPLICATES

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-210-061814

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4521-008

Concentration Units : ug/L

Analyte	Control Limits	Spike Result	C	Spike Dup. Result	C	RPD	Q	M
ALUMINUM, TOTAL		2020		1890		6.4		P
ANTIMONY, TOTAL		99.6		92.7		7.1		MS
ARSENIC, TOTAL		104		98.4		6.1		MS
BARIUM, TOTAL		1980		1900		4.0		P
BERYLLIUM, TOTAL		45.5		47.4		4.1		MS
CADMIUM, TOTAL		263		249		5.3		MS
CALCIUM, TOTAL		36300		32800		10.1		P
CHROMIUM, TOTAL		202		180		11.1		MS
COBALT, TOTAL		516		464		10.5		MS
COPPER, TOTAL		247		230		7.4		MS
IRON, TOTAL		981		928		5.5		P
LEAD, TOTAL		105		99.6		5.2		MS
MAGNESIUM, TOTAL		11100		10200		8.2		P
MANGANESE, TOTAL		536		510		4.8		P
MERCURY, TOTAL		1.01		1.00		0.9		CV
NICKEL, TOTAL		512		469		8.7		MS
POTASSIUM, TOTAL		11600		11300		2.5		P
SELENIUM, TOTAL		105		99.6		5.2		MS
SILVER, TOTAL		51.4		51.2		0.5		MS
SODIUM, TOTAL		15500		14600		5.6		P
THALLIUM, TOTAL		98.3		95.1		3.3		MS
VANADIUM, TOTAL		510		464		9.4		MS
ZINC, TOTAL		493		474		3.9		P

Comments:

5D
SPIKE DUPLICATES

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-210-061814

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4521-009

Concentration Units : ug/L

Analyte	Control Limits	Spike Result	C	Spike Dup. Result	C	RPD	Q	M
ALUMINUM, DISSOLVED		2060		2060		0.2		P
ANTIMONY, DISSOLVED		98.1		96.4		1.8		MS
ARSENIC, DISSOLVED		102		102		0.4		MS
BARIUM, DISSOLVED		2010		2020		0.4		P
BERYLLIUM, DISSOLVED		47.9		47.8		0.1		MS
CADMIUM, DISSOLVED		261		254		2.5		MS
CALCIUM, DISSOLVED		34000		34200		0.6		P
CHROMIUM, DISSOLVED		204		204		0.0		MS
COBALT, DISSOLVED		524		526		0.3		MS
COPPER, DISSOLVED		254		254		0.0		MS
IRON, DISSOLVED		1020		1020		0.2		P
LEAD, DISSOLVED		103		102		1.2		MS
MAGNESIUM, DISSOLVED		10800		10900		0.4		P
MANGANESE, DISSOLVED		561		560		0.2		P
NICKEL, DISSOLVED		524		518		1.2		MS
POTASSIUM, DISSOLVED		11600		11500		1.1		P
SELENIUM, DISSOLVED		103		102		1.3		MS
SILVER, DISSOLVED		52.6		51.8		1.4		MS
SODIUM, DISSOLVED		14500		14500		0.4		P
THALLIUM, DISSOLVED		96.6		94.8		1.8		MS
VANADIUM, DISSOLVED		518		518		0.0		MS
ZINC, DISSOLVED		501		502		0.2		P

Comments:

5D
SPIKE DUPLICATES

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-SW-03-061914

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4521-014

Concentration Units : ug/L

Analyte	Control Limits	Spike Result	C	Spike Dup. Result	C	RPD	Q	M
ALUMINUM, TOTAL		2160		2200		1.6		P
ANTIMONY, TOTAL		97.2		100		3.2		MS
ARSENIC, TOTAL		100		102		1.7		MS
BARIUM, TOTAL		2000		2030		1.5		P
BERYLLIUM, TOTAL		50.5		51.8		2.4		MS
CADMIUM, TOTAL		255		262		2.5		MS
CALCIUM, TOTAL		9020		9430		4.4		P
CHROMIUM, TOTAL		204		208		1.8		MS
COBALT, TOTAL		518		526		1.5		MS
COPPER, TOTAL		263		266		1.0		MS
IRON, TOTAL		1460		1480		2.0		P
LEAD, TOTAL		104		108		3.5		MS
MAGNESIUM, TOTAL		6390		6550		2.5		P
MANGANESE, TOTAL		558		564		1.0		P
NICKEL, TOTAL		518		527		1.7		MS
POTASSIUM, TOTAL		11400		11600		1.9		P
SELENIUM, TOTAL		99.3		101		2.1		MS
SILVER, TOTAL		52.0		52.8		1.4		MS
SODIUM, TOTAL		10300		10600		3.2		P
THALLIUM, TOTAL		95.4		98.7		3.3		MS
VANADIUM, TOTAL		511		520		1.6		MS
ZINC, TOTAL		512		520		1.5		P

Comments:

5D
SPIKE DUPLICATES

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-SW-03-061914

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4521-015

Concentration Units : ug/L

Analyte	Control Limits	Spike Result	C	Spike Dup. Result	C	RPD	Q	M
ALUMINUM, DISSOLVED		1940		2020		3.9		P
ANTIMONY, DISSOLVED		94.8		99.0		4.3		MS
ARSENIC, DISSOLVED		98.5		102		3.1		MS
BARIUM, DISSOLVED		1940		2000		3.0		P
BERYLLIUM, DISSOLVED		47.2		46.3		1.9		MS
CADMIUM, DISSOLVED		256		261		2.1		MS
CALCIUM, DISSOLVED		8640		8900		3.0		P
CHROMIUM, DISSOLVED		193		205		5.9		MS
COBALT, DISSOLVED		500		532		6.2		MS
COPPER, DISSOLVED		248		260		4.9		MS
IRON, DISSOLVED		1150		1200		4.1		P
LEAD, DISSOLVED		102		104		2.9		MS
MAGNESIUM, DISSOLVED		6080		6270		3.1		P
MANGANESE, DISSOLVED		510		523		2.6		P
NICKEL, DISSOLVED		500		522		4.2		MS
POTASSIUM, DISSOLVED		11000		11000		0.6		P
SELENIUM, DISSOLVED		99.7		103		3.0		MS
SILVER, DISSOLVED		52.4		53.0		1.0		MS
SODIUM, DISSOLVED		10600		10700		1.2		P
THALLIUM, DISSOLVED		94.8		97.6		2.9		MS
VANADIUM, DISSOLVED		491		520		5.7		MS
ZINC, DISSOLVED		487		503		3.2		P

Comments:

6
DUPLICATES

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-210-061814D

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4521-008D

Concentration Units : ug/L

Analyte	Control Limits	Sample Result	C	Duplicate	Result	C	RPD	Q	M
MERCURY, TOTAL		0.0480	J		-0.0020	U	200.0		CV

Comments:

6
DUPLICATES

Lab Name: Katahdin Analytical Services
Matrix: WATER
Percent Solids: 0.00

Client Field ID: FTA-MW-210-061814D
SDG Name: WE53-7
Lab Sample ID: SH4521-009D

Concentration Units : ug/L

Analyte	Control Limits	Sample Result	C	Duplicate	Result	C	RPD	Q	M
MERCURY, DISSOLVED		-0.0010	U		-0.0030	U			CV

Comments:

6
DUPLICATES

Lab Name: Katahdin Analytical Services
Matrix: WATER
Percent Solids: 0.00

Client Field ID: FTA-SW-03-061914D
SDG Name: WE53-7
Lab Sample ID: SH4521-014D

Concentration Units : ug/L

Analyte	Control Limits	Sample Result	C	Duplicate	Result	C	RPD	Q	M
MERCURY, TOTAL		0.0120	U		0.0120	U			CV

Comments:

6
DUPLICATES

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-SW-03-061914D

Matrix: WATER

SDG Name: WE53-7

Percent Solids: 0.00

Lab Sample ID: SH4521-015D

Concentration Units : ug/L

Analyte	Control Limits	Sample Result	C	Duplicate	Result	C	RPD	Q	M
MERCURY, DISSOLVED		-0.0150	U		0.0100	U			CV

Comments:

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services**Sample ID:** LCSWHF20ICW2**Matrix:** WATER**SDG Name:** WE53-7**QC Batch ID:** HF20ICW2**Concentration Units :** ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
ALUMINUM	2000	2040	102.1	80	120
BARIUM	2000	1990	99.6	80	120
CALCIUM	2500	2530	101.2	80	120
IRON	1000	1030	103.1	80	120
MAGNESIUM	5000	4860	97.1	80	120
MANGANESE	500	510	101.9	80	120
POTASSIUM	10000	10100	101.2	80	120
SODIUM	7500	7300	97.4	80	120
ZINC	500	500	99.9	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services**Sample ID:** LCSWHF20IMW2**Matrix:** WATER**SDG Name:** WE53-7**QC Batch ID:** HF20IMW2**Concentration Units :** ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
ANTIMONY	100	99.6	99.7	80	120
ARSENIC	100	99.2	99.3	80	120
BERYLLIUM	50.0	45.0	89.9	80	120
CADMIUM	250	254	101.4	80	120
CHROMIUM	200	200	99.8	80	120
COBALT	500	512	102.4	80	120
COPPER	250	251	100.5	80	120
LEAD	100	101	100.6	80	120
NICKEL	500	512	102.5	80	120
SELENIUM	100	97.3	97.3	80	120
SILVER	50.0	50.6	101.2	80	120
THALLIUM	100	94.8	94.8	80	120
VANADIUM	500	505	101.1	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services**Sample ID:** LCSWHF23ICW2**Matrix:** WATER**SDG Name:** WE53-7**QC Batch ID:** HF23ICW2**Concentration Units :** ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
ALUMINUM	2000	2000	100.0	80	120
BARIUM	2000	2090	104.3	80	120
CALCIUM	2500	2480	99.0	80	120
IRON	1000	960	96.0	80	120
MAGNESIUM	5000	5240	104.8	80	120
MANGANESE	500	481	96.3	80	120
POTASSIUM	10000	9890	98.9	80	120
SODIUM	7500	7390	98.6	80	120
ZINC	500	506	101.1	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services**Sample ID:** LCSWHF23IMW2**Matrix:** WATER**SDG Name:** WE53-7**QC Batch ID:** HF23IMW2**Concentration Units :** ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
ANTIMONY	100	101	101.2	80	120
ARSENIC	100	102	102.2	80	120
BERYLLIUM	50.0	46.7	93.5	80	120
CADMIUM	250	261	104.4	80	120
CHROMIUM	200	204	102.0	80	120
COBALT	500	529	105.8	80	120
COPPER	250	258	103.1	80	120
LEAD	100	103	102.6	80	120
NICKEL	500	524	104.8	80	120
SELENIUM	100	104	103.8	80	120
SILVER	50.0	52.4	104.9	80	120
THALLIUM	100	98.0	98.0	80	120
VANADIUM	500	519	103.8	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services**Sample ID:** LCSWHF24ICW1**Matrix:** WATER**SDG Name:** WE53-7**QC Batch ID:** HF24ICW1**Concentration Units :** ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
ALUMINUM	2000	2010	100.7	80	120
BARIUM	2000	2000	99.8	80	120
CALCIUM	2500	2470	98.8	80	120
IRON	1000	1010	101.2	80	120
MAGNESIUM	5000	5060	101.2	80	120
MANGANESE	500	511	102.3	80	120
POTASSIUM	10000	9980	99.8	80	120
SODIUM	7500	7030	93.7	80	120
ZINC	500	496	99.1	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services**Sample ID:** LCSWHF24ICW2**Matrix:** WATER**SDG Name:** WE53-7**QC Batch ID:** HF24ICW2**Concentration Units :** ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
ALUMINUM	2000	1950	97.6	80	120
BARIUM	2000	1970	98.5	80	120
CALCIUM	2500	2400	96.0	80	120
IRON	1000	965	96.5	80	120
MAGNESIUM	5000	4850	97.0	80	120
MANGANESE	500	486	97.3	80	120
POTASSIUM	10000	9380	93.8	80	120
SODIUM	7500	6920	92.3	80	120
ZINC	500	495	99.0	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services**Sample ID:** LCSWHF24IMW1**Matrix:** WATER**SDG Name:** WE53-7**QC Batch ID:** HF24IMW1**Concentration Units :** ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
ANTIMONY	100	96.4	96.5	80	120
ARSENIC	100	99.8	99.8	80	120
BERYLLIUM	50.0	44.5	89.0	80	120
CADMIUM	250	255	102.1	80	120
CHROMIUM	200	202	101.2	80	120
COBALT	500	519	103.8	80	120
COPPER	250	254	101.5	80	120
LEAD	100	101	101.2	80	120
NICKEL	500	522	104.3	80	120
SELENIUM	100	101	101.2	80	120
SILVER	50.0	51.1	102.2	80	120
THALLIUM	100	93.9	93.9	80	120
VANADIUM	500	512	102.5	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services**Sample ID:** LCSWHF24IMW2**Matrix:** WATER**SDG Name:** WE53-7**QC Batch ID:** HF24IMW2**Concentration Units :** ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
ANTIMONY	100	95.8	95.8	80	120
ARSENIC	100	99.2	99.3	80	120
BERYLLIUM	50.0	46.0	92.0	80	120
CADMIUM	250	256	102.6	80	120
CHROMIUM	200	203	101.5	80	120
COBALT	500	513	102.7	80	120
COPPER	250	255	102.1	80	120
LEAD	100	101	101.0	80	120
NICKEL	500	520	103.9	80	120
SELENIUM	100	99.5	99.5	80	120
SILVER	50.0	52.2	104.5	80	120
THALLIUM	100	94.0	94.0	80	120
VANADIUM	500	512	102.5	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services**Sample ID:** LCSWHF26HGW3**Matrix:** WATER**SDG Name:** WE53-7**QC Batch ID:** HF26HGW3

Concentration Units : ug/L					
Analyte	TRUE	FOUND	% R	LIMITS (%)	
MERCURY	5.00	4.74	94.8	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services**Sample ID:** LCSWHF29HGW2**Matrix:** WATER**SDG Name:** WE53-7**QC Batch ID:** HF29HGW2

Concentration Units : ug/L					
Analyte	TRUE	FOUND	% R	LIMITS (%)	
MERCURY	5.00	5.03	100.6	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services**Sample ID:** LCSWHF29HW3**Matrix:** WATER**SDG Name:** WE53-7**QC Batch ID:** HF29HW3

Concentration Units : ug/L					
Analyte	TRUE	FOUND	% R	LIMITS (%)	
MERCURY	5.00	5.62	112.6	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services**Sample ID:** LCSWHG03HGW2**Matrix:** WATER**SDG Name:** WE53-7**QC Batch ID:** HG03HGW2

Concentration Units : ug/L					
Analyte	TRUE	FOUND	% R	LIMITS (%)	
MERCURY	5.00	4.69	93.8	80	120

ICP SERIAL DILUTION

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-11-061714L

Matrix: WATER

SDG Name: WE53-7

Lab Sample ID: SH4401-007L

Concentration Units: ug/L

Analyte	Sample Result	C	Dilution	Result	C	% Difference	Q	M
ALUMINUM, DISSOLVED	43	J		75.	U	100.0		P
ANTIMONY, DISSOLVED	0.011	U		0.055	U			MS
ARSENIC, DISSOLVED	0.45	U		2.3	U			MS
BARIUM, DISSOLVED	1.7	J		2.2	J	29.4		P
BERYLLIUM, DISSOLVED	0.0067	U		0.034	U			MS
CADMIUM, DISSOLVED	0.016	J		0.030	U	100.0		MS
CALCIUM, DISSOLVED	4470			4540		1.6		P
CHROMIUM, DISSOLVED	0.934	J		0.96	J	2.8		MS
COBALT, DISSOLVED	0.016	J		0.060	U	100.0		MS
COPPER, DISSOLVED	0.14	J		0.19	U	100.0		MS
IRON, DISSOLVED	198			210	J	6.1		P
LEAD, DISSOLVED	0.019	J		0.075	U	100.0		MS
MAGNESIUM, DISSOLVED	1570			1640		4.5		P
MANGANESE, DISSOLVED	463			460		0.6		P
NICKEL, DISSOLVED	0.29	J		0.27	J	6.9		MS
POTASSIUM, DISSOLVED	528	J		550	J	4.2		P
SELENIUM, DISSOLVED	0.078	J		0.19	U	100.0		MS
SILVER, DISSOLVED	0.010	U		0.050	U			MS
SODIUM, DISSOLVED	4350			4480	J	3.0		P
THALLIUM, DISSOLVED	0.012	U		0.060	U			MS
VANADIUM, DISSOLVED	0.21	J		0.50	U	100.0		MS
ZINC, DISSOLVED	2.5	J		3.6	U	100.0		P

ICP SERIAL DILUTION

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-206-061814L

Matrix: WATER

SDG Name: WE53-7

Lab Sample ID: SH4401-019L

Concentration Units: ug/L

Analyte	Sample Result	C	Dilution	Result	C	% Difference	Q	M
ALUMINUM, DISSOLVED	35	J		75.	U	100.0		P
ANTIMONY, DISSOLVED	0.029	J		0.055	U	100.0		MS
ARSENIC, DISSOLVED	0.52	J		2.3	U	100.0		MS
BARIUM, DISSOLVED	6.20			4.5	J	27.4		P
BERYLLIUM, DISSOLVED	0.0067	U		0.034	U			MS
CADMIUM, DISSOLVED	0.018	J		0.033	J	83.3		MS
CALCIUM, DISSOLVED	38600			38800		0.5		P
CHROMIUM, DISSOLVED	0.22	J		0.22	U	100.0		MS
COBALT, DISSOLVED	0.198	J		0.20	J	1.0		MS
COPPER, DISSOLVED	0.16	J		0.19	U	100.0		MS
IRON, DISSOLVED	5.4	U		38	J			P
LEAD, DISSOLVED	0.016	J		0.075	U	100.0		MS
MAGNESIUM, DISSOLVED	8300			8470		2.0		P
MANGANESE, DISSOLVED	210			211		0.5		P
NICKEL, DISSOLVED	0.20	J		0.19	J	5.0		MS
POTASSIUM, DISSOLVED	1490			1600	J	7.4		P
SELENIUM, DISSOLVED	0.037	U		0.20	J			MS
SILVER, DISSOLVED	0.010	U		0.050	U			MS
SODIUM, DISSOLVED	7390			7470		1.1		P
THALLIUM, DISSOLVED	0.076	J		0.083	J	9.2		MS
VANADIUM, DISSOLVED	0.10	U		0.50	U			MS
ZINC, DISSOLVED	1.0	J		3.6	U	100.0		P

ICP SERIAL DILUTION

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-MW-210-061814L

Matrix: WATER

SDG Name: WE53-7

Lab Sample ID: SH4521-008L

Concentration Units: ug/L

Analyte	Sample Result	C	Dilution	Result	C	% Difference	Q	M
ALUMINUM, TOTAL	24	J		75.	U	100.0		P
ANTIMONY, TOTAL	0.026	J		0.055	U	100.0		MS
ARSENIC, TOTAL	0.45	U		2.3	U			MS
BARIUM, TOTAL	6.06			6.8	J	12.2		P
BERYLLIUM, TOTAL	0.0067	U		0.034	U			MS
CADMIUM, TOTAL	0.012	J		0.030	U	100.0		MS
CALCIUM, TOTAL	33000			33600		1.8		P
CHROMIUM, TOTAL	0.14	J		0.22	U	100.0		MS
COBALT, TOTAL	0.029	J		0.060	U	100.0		MS
COPPER, TOTAL	0.852			0.92	J	8.0		MS
IRON, TOTAL	5.4	U		27.	U			P
LEAD, TOTAL	0.041	J		0.075	U	100.0		MS
MAGNESIUM, TOTAL	6100			6220		2.0		P
MANGANESE, TOTAL	47.0			47		0.0		P
MERCURY, TOTAL	0.048	J		0.21	J	337.5		CV
NICKEL, TOTAL	0.373	J		0.41	J	9.9		MS
POTASSIUM, TOTAL	1540			1400	J	9.1		P
SELENIUM, TOTAL	0.058	J		1.2	J	1969.0		MS
SILVER, TOTAL	0.010	U		0.050	U			MS
SODIUM, TOTAL	7990			8050		0.8		P
THALLIUM, TOTAL	0.012	U		0.060	U			MS
VANADIUM, TOTAL	0.22	J		0.50	U	100.0		MS
ZINC, TOTAL	4.9	J		5.7	J	16.3		P

ICP SERIAL DILUTION

Lab Name: Katahdin Analytical Services**Client Field ID:** FTA-MW-210-061814L**Matrix:** WATER**SDG Name:** WE53-7**Lab Sample ID:** SH4521-009L**Concentration Units: ug/L**

Analyte	Sample Result	C	Dilution	Result	C	% Difference	Q	M
ALUMINUM, DISSOLVED	32	J		75.	U	100.0		P
ANTIMONY, DISSOLVED	0.028	J		0.055	U	100.0		MS
ARSENIC, DISSOLVED	0.45	U		2.3	U			MS
BARIUM, DISSOLVED	6.01			6.4	J	6.5		P
BERYLLIUM, DISSOLVED	0.0067	U		0.034	U			MS
CADMIUM, DISSOLVED	0.027	J		0.030	U	100.0		MS
CALCIUM, DISSOLVED	32800			33600		2.4		P
CHROMIUM, DISSOLVED	0.16	J		0.22	U	100.0		MS
COBALT, DISSOLVED	0.053	J		0.060	U	100.0		MS
COPPER, DISSOLVED	0.23	J		0.56	J	143.5		MS
IRON, DISSOLVED	5.4	U		27.	U			P
LEAD, DISSOLVED	0.026	J		0.24	J	823.1		MS
MAGNESIUM, DISSOLVED	6160			6430		4.4		P
MANGANESE, DISSOLVED	47.0			49		4.3		P
MERCURY, DISSOLVED	0.013	U		0.065	U			CV
NICKEL, DISSOLVED	0.427			0.35	J	18.0		MS
POTASSIUM, DISSOLVED	1570			1600	J	1.9		P
SELENIUM, DISSOLVED	0.29	J		0.90	J	210.3		MS
SILVER, DISSOLVED	0.010	U		0.050	U			MS
SODIUM, DISSOLVED	7850			7970		1.5		P
THALLIUM, DISSOLVED	0.012	U		0.060	U			MS
VANADIUM, DISSOLVED	0.24	J		0.50	U	100.0		MS
ZINC, DISSOLVED	1.7	J		3.6	U	100.0		P

ICP SERIAL DILUTION

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-SW-03-061914L

Matrix: WATER

SDG Name: WE53-7

Lab Sample ID: SH4521-014L

Concentration Units: ug/L

Analyte	Sample Result	C	Dilution	Result	C	% Difference	Q	M
ALUMINUM, TOTAL	120	J		100	J	16.7		P
ANTIMONY, TOTAL	0.019	J		0.055	U	100.0		MS
ARSENIC, TOTAL	0.45	U		2.3	U			MS
BARIUM, TOTAL	12.8			13.8	J	7.8		P
BERYLLIUM, TOTAL	0.0067	U		0.034	U			MS
CADMIUM, TOTAL	0.036	J		0.062	J	72.2		MS
CALCIUM, TOTAL	6280			6300		0.3		P
CHROMIUM, TOTAL	0.24	J		0.26	J	8.3		MS
COBALT, TOTAL	0.248			0.27	J	8.9		MS
COPPER, TOTAL	1.71			1.8	J	5.3		MS
IRON, TOTAL	380			386	J	1.6		P
LEAD, TOTAL	0.318			0.34	J	6.9		MS
MAGNESIUM, TOTAL	1360			1370		0.7		P
MANGANESE, TOTAL	41.3			42		1.7		P
MERCURY, TOTAL	0.013	U		0.065	U			CV
NICKEL, TOTAL	0.448			0.50	J	11.6		MS
POTASSIUM, TOTAL	1490			1500	J	0.7		P
SELENIUM, TOTAL	0.20	J		1.2	J	500.0		MS
SILVER, TOTAL	0.014	J		0.050	U	100.0		MS
SODIUM, TOTAL	3470			3540	J	2.0		P
THALLIUM, TOTAL	0.015	J		0.060	U	100.0		MS
VANADIUM, TOTAL	0.33	J		0.96	J	190.9		MS
ZINC, TOTAL	13.7	J		14	J	2.2		P

ICP SERIAL DILUTION

Lab Name: Katahdin Analytical Services

Client Field ID: FTA-SW-03-061914L

Matrix: WATER

SDG Name: WE53-7

Lab Sample ID: SH4521-015L

Concentration Units: ug/L

Analyte	Sample Result	C	Dilution	Result	C	% Difference	Q	M
ALUMINUM, DISSOLVED	49	J		75.	U	100.0		P
ANTIMONY, DISSOLVED	0.029	J		0.055	U	100.0		MS
ARSENIC, DISSOLVED	0.45	U		2.3	U			MS
BARIUM, DISSOLVED	11.9			12.3	J	3.4		P
BERYLLIUM, DISSOLVED	0.0067	U		0.034	U			MS
CADMIUM, DISSOLVED	0.025	J		0.052	J	108.0		MS
CALCIUM, DISSOLVED	6660			6480		2.7		P
CHROMIUM, DISSOLVED	0.22	J		0.23	J	4.5		MS
COBALT, DISSOLVED	0.223			0.22	J	1.3		MS
COPPER, DISSOLVED	0.803			0.78	J	2.9		MS
IRON, DISSOLVED	215			180	J	16.3		P
LEAD, DISSOLVED	0.092	J		0.13	J	41.3		MS
MAGNESIUM, DISSOLVED	1410			1370		2.8		P
MANGANESE, DISSOLVED	38.3			38		0.8		P
MERCURY, DISSOLVED	0.013	U		0.065	U			CV
NICKEL, DISSOLVED	0.408			0.39	J	4.4		MS
POTASSIUM, DISSOLVED	1460			1200	J	17.8		P
SELENIUM, DISSOLVED	0.16	J		1.2	J	650.0		MS
SILVER, DISSOLVED	0.010	U		0.050	U			MS
SODIUM, DISSOLVED	3740			3580	J	4.3		P
THALLIUM, DISSOLVED	0.013	J		0.060	U	100.0		MS
VANADIUM, DISSOLVED	0.25	J		0.71	J	184.0		MS
ZINC, DISSOLVED	10.4	J		10	J	3.8		P

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services**Instrument Code: H****Instrument Name: CETAC M6100****Date: 1/30/2013**

Analyte	Concentration Units: ug/L		
	CRDL	IDL	M
MERCURY	0.20	0.033	CV

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services**Instrument Code: I****Instrument Name: THERMO ICAP 6500****Date: 5/21/2012**

Analyte	Concentration Units: ug/L		
	CRDL	IDL	M
ALUMINUM	300	17.	P
ANTIMONY	8.0	1.6	P
ARSENIC	8.0	1.5	P
BARIUM	5.0	0.31	P
BERYLLIUM	5.0	0.095	P
CADMIUM	5.0	0.074	P
CALCIUM	100	8.7	P
CHROMIUM	10	0.41	P
COBALT	10	0.33	P
COPPER	25	0.80	P
IRON	100	4.0	P
LEAD	5.0	1.0	P
MAGNESIUM	100	7.7	P
MANGANESE	5.0	0.56	P
MOLYBDENUM	10	0.46	P
NICKEL	10	0.60	P
POTASSIUM	1000	64.	P
SELENIUM	10	2.6	P
SILVER	10	0.54	P
SODIUM	1000	33.	P
THALLIUM	15	1.1	P
VANADIUM	10	0.41	P
ZINC	20	0.45	P

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services**Instrument Code: J****Instrument Name: AGILENT 7500 ICP-MS****Date: 6/11/2013**

Analyte	Concentration Units: ug/L		
	CRDL	IDL	M
ALUMINUM	60	0.34	MS
ANTIMONY	0.20	0.0058	MS
ARSENIC	1.0	0.41	MS
BARIUM	0.4	0.024	MS
BERYLLIUM	0.20	0.0028	MS
CADMIUM	0.20	0.0045	MS
CALCIUM	20	4.1	MS
CHROMIUM	1.0	0.030	MS
COBALT	0.20	0.0062	MS
COPPER	0.60	0.029	MS
IRON	20	4.7	MS
LEAD	0.20	0.0085	MS
MAGNESIUM	20	0.69	MS
MANGANESE	0.4	0.016	MS
MOLYBDENUM	1.0	0.12	MS
NICKEL	0.40	0.019	MS
POTASSIUM	200	8.2	MS
SELENIUM	1.0	0.64	MS
SILVER	0.20	0.0037	MS
SODIUM	200	3.9	MS
THALLIUM	0.20	0.0027	MS
VANADIUM	1.0	0.15	MS
ZINC	2.0	0.13	MS

LIMITS of DETECTION

Lab Name: Katahdin Analytical Services**Instrument Code: H****Instrument Name: CETAC M6100****Date: 2/9/2011**

Analyte	LOD	Units	M	EPA Prep./Anal. Method
MERCURY	0.10	ug/L	CV	SW846 7470A / SW846 7470A

LIMITS of DETECTION

Lab Name: Katahdin Analytical Services**Instrument Code: I****Instrument Name: THERMO ICAP 6500****Date: 1/19/2011**

Analyte	LOD	Units	M	EPA Prep./Anal. Method
ALUMINUM	100.	ug/L	P	SW846 3010A / SW846 6010C
BARIUM	3.0	ug/L	P	SW846 3010A / SW846 6010C
CALCIUM	80.	ug/L	P	SW846 3010A / SW846 6010C
IRON	80.	ug/L	P	SW846 3010A / SW846 6010C
MAGNESIUM	80.	ug/L	P	SW846 3010A / SW846 6010C
MANGANESE	4.0	ug/L	P	SW846 3010A / SW846 6010C
POTASSIUM	500.	ug/L	P	SW846 3010A / SW846 6010C
SODIUM	500.	ug/L	P	SW846 3010A / SW846 6010C
ZINC	10.	ug/L	P	SW846 3010A / SW846 6010C

LIMITS of DETECTION

Lab Name: Katahdin Analytical Services**Instrument Code: J****Instrument Name: AGILENT 7500 ICP-MS****Date: 1/25/2011**

Analyte	LOD	Units	M	EPA Prep./Anal. Method
ANTIMONY	0.10	ug/L	MS	SW846 3010A / SW846 6020A
ARSENIC	0.80	ug/L	MS	SW846 3010A / SW846 6020A
BERYLLIUM	0.040	ug/L	MS	SW846 3010A / SW846 6020A
CADMIUM	0.040	ug/L	MS	SW846 3010A / SW846 6020A
CHROMIUM	0.80	ug/L	MS	SW846 3010A / SW846 6020A
COBALT	0.060	ug/L	MS	SW846 3010A / SW846 6020A
COPPER	0.40	ug/L	MS	SW846 3010A / SW846 6020A
LEAD	0.10	ug/L	MS	SW846 3010A / SW846 6020A
NICKEL	0.24	ug/L	MS	SW846 3010A / SW846 6020A
SELENIUM	0.60	ug/L	MS	SW846 3010A / SW846 6020A
SILVER	0.080	ug/L	MS	SW846 3010A / SW846 6020A
THALLIUM	0.080	ug/L	MS	SW846 3010A / SW846 6020A
VANADIUM	0.80	ug/L	MS	SW846 3010A / SW846 6020A

METHOD DETECTION LIMITS

Lab Name: Katahdin Analytical Services**Instrument Code: H****Instrument Name: CETAC M6100****Date: 2/9/2011**

Analyte	MDL	Units	M	EPA Prep./Anal. Method
MERCURY	0.013	ug/L	CV	SW846 7470A / SW846 7470A

METHOD DETECTION LIMITS

Lab Name: Katahdin Analytical Services**Instrument Code: I****Instrument Name: THERMO ICAP 6500****Date: 1/19/2011**

Analyte	MDL	Units	M	EPA Prep./Anal. Method
ALUMINUM	15.	ug/L	P	SW846 3010A / SW846 6010C
BARIUM	0.23	ug/L	P	SW846 3010A / SW846 6010C
CALCIUM	11.	ug/L	P	SW846 3010A / SW846 6010C
IRON	5.4	ug/L	P	SW846 3010A / SW846 6010C
MAGNESIUM	7.8	ug/L	P	SW846 3010A / SW846 6010C
MANGANESE	1.1	ug/L	P	SW846 3010A / SW846 6010C
POTASSIUM	41.	ug/L	P	SW846 3010A / SW846 6010C
SODIUM	24.	ug/L	P	SW846 3010A / SW846 6010C
ZINC	0.72	ug/L	P	SW846 3010A / SW846 6010C

METHOD DETECTION LIMITS

Lab Name: Katahdin Analytical Services**Instrument Code: J****Instrument Name: AGILENT 7500 ICP-MS****Date: 1/25/2011**

Analyte	MDL	Units	M	EPA Prep./Anal. Method
ANTIMONY	0.011	ug/L	MS	SW846 3010A / SW846 6020A
ARSENIC	0.45	ug/L	MS	SW846 3010A / SW846 6020A
BERYLLIUM	0.0067	ug/L	MS	SW846 3010A / SW846 6020A
CADMIUM	0.0060	ug/L	MS	SW846 3010A / SW846 6020A
CHROMIUM	0.044	ug/L	MS	SW846 3010A / SW846 6020A
COBALT	0.012	ug/L	MS	SW846 3010A / SW846 6020A
COPPER	0.037	ug/L	MS	SW846 3010A / SW846 6020A
LEAD	0.015	ug/L	MS	SW846 3010A / SW846 6020A
NICKEL	0.030	ug/L	MS	SW846 3010A / SW846 6020A
SELENIUM	0.037	ug/L	MS	SW846 3010A / SW846 6020A
SILVER	0.010	ug/L	MS	SW846 3010A / SW846 6020A
THALLIUM	0.012	ug/L	MS	SW846 3010A / SW846 6020A
VANADIUM	0.10	ug/L	MS	SW846 3010A / SW846 6020A

ICP INTERELEMENT CORRECTION FACTORS

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Instrument Name: THERMO ICAP 6500

Instrument ID: I

Date: 8/21/2013

Analyte	Wavelength (nm)	Interelement Correction Factors for:												
		Al	Ca	Fe	Mg	As	Cr	Co	Cu	Mn	Mo	Ni	Ti	V
ALUMINUM	396.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0443000	0.0	0.0	0.0
ANTIMONY	206.83	0.0000170	0.0	0.0000260	0.0	-0.0001490	0.0119000	0.0	0.0	0.0	-0.0013800	-0.0009470	0.0	-0.0006030
ARSENIC	189.04	-0.0000008	0.0	-0.0001510	0.0	0.0	0.0000970	0.0	0.0	0.0	0.0017300	0.0	0.0	0.0
BARIUM	455.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BERYLLIUM	313.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0006860	0.0003880
BORON	208.96	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0382000	0.0	0.0	0.0
CADMIUM	226.50	0.0	0.0	0.0000610	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0000800	0.0000910	0.0
CALCIUM	315.89	0.0	0.0	0.0	0.0	0.0	-0.0011000	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHROMIUM	267.72	0.0	0.0	0.0000018	0.0	0.0	0.0	0.0	0.0	0.0001110	0.0	0.0	0.0	0.0000720
COBALT	228.62	0.0	0.0	0.0000130	0.0	0.0	-0.0001800	0.0	0.0	0.0	0.0	0.0002140	0.0023400	0.0
COPPER	327.40	0.0000110	0.0	-0.0000055	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0027300	0.0003110
GOLD	242.79	0.0000011	0.0	0.0001470	0.0	0.0	0.0	0.0	0.0	-0.0013400	0.0	0.0	0.0	0.0
IRON	259.94	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LEAD	220.35	-0.0001230	0.0	0.0000180	0.0	0.0	-0.0005800	0.0000540	-0.0001440	0.0	-0.0012500	0.0002080	0.0000970	0.0
LITHIUM	670.78	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAGNESIUM	202.58	0.0	0.0	0.0000870	0.0	0.0	0.0	0.2003000	0.0	0.0	0.0277000	0.0	0.0007070	0.0
MANGANESE	257.61	0.0000010	0.0	0.0000150	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MOLYBDENUM	202.03	0.0	0.0	0.0	0.0	0.0	0.0001080	0.0	0.0	0.0	0.0	0.0	0.0	-0.0001920
NICKEL	231.60	0.0	0.0	-0.0000460	0.0	0.0	0.0	-0.0001380	0.0	0.0	0.0011900	0.0	0.0	0.0
POTASSIUM	766.49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SELENIUM	196.09	-0.0000100	0.0	-0.0000078	0.0	-0.0001750	0.0	0.0001290	0.0	0.0007680	0.0	0.0	0.0	-0.0002070
SILICON	251.61	0.0	0.0	-0.0001700	0.0	0.0	0.0	0.0	0.0	0.0	0.0116000	0.0	0.0009940	0.0
SILVER	328.07	0.0	0.0	-0.0002090	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0003990	0.0
SODIUM	589.59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STRONTIUM	421.55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THALLIUM	190.86	0.0000066	0.0	0.0000078	0.0	0.0	0.0	0.0024400	-0.0001610	-0.0017000	-0.0000380	0.0	-0.0011200	-0.0011500
TIN	189.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TITANIUM	334.90	0.0	0.0	0.0	0.0	0.0	0.0001290	0.0	0.0	0.0	0.0004770	0.0	0.0	0.0
VANADIUM	292.40	0.0	0.0	0.0000180	0.0	0.0	-0.0048000	0.0	0.0	-0.0025100	-0.0084500	0.0	0.0007110	0.0
ZINC	206.20	0.0	0.0	0.0	0.0	0.0	-0.0011400	0.0	0.0	0.0	0.0	0.0	0.0	0.0

12
ICP LINEAR RANGES

Lab Name: Katahdin Analytical Services

Instrument Code: I

Instrument Name: THERMO ICAP 6500

Date: 3/12/2014

Concentration Units: ug/L

Analyte	Integration Time (sec)	Linear Range	M
ALUMINUM	5.00	500000	P
ANTIMONY	45.00	20000	P
ARSENIC	45.00	20000	P
BARIUM	5.00	20000	P
BERYLLIUM	5.00	20000	P
CADMIUM	45.00	20000	P
CALCIUM	5.00	500000	P
CHROMIUM	10.00	20000	P
COBALT	45.00	20000	P
COPPER	10.00	20000	P
IRON	5.00	250000	P
LEAD	45.00	20000	P
MAGNESIUM	45.00	200000	P
MANGANESE	5.00	20000	P
MOLYBDENUM	45.00	5000	P
NICKEL	10.00	20000	P
POTASSIUM	5.00	300000	P
SELENIUM	45.00	20000	P
SILVER	10.00	2000	P
SODIUM	5.00	200000	P
THALLIUM	45.00	20000	P
VANADIUM	10.00	20000	P
ZINC	45.00	20000	P

12
ICP LINEAR RANGES

Lab Name: Katahdin Analytical Services

Instrument Code: J

Instrument Name: AGILENT 7500 ICP-MS

Date: 1/23/2014

Concentration Units: ug/L			
Analyte	Integration Time (sec)	Linear Range	M
ALUMINUM	0.01	200000	MS
ANTIMONY	0.10	1000	MS
ARSENIC	0.30	1000	MS
BARIUM	0.10	1000	MS
BERYLLIUM	0.30	100	MS
CADMIUM	0.10	1000	MS
CALCIUM	0.03	200000	MS
CHROMIUM	0.10	1000	MS
COBALT	0.10	1000	MS
COPPER	0.10	1000	MS
IRON	0.03	100000	MS
LEAD	0.10	1000	MS
MAGNESIUM	0.05	200000	MS
MANGANESE	0.10	1000	MS
MOLYBDENUM	0.10	1000	MS
NICKEL	0.10	1000	MS
POTASSIUM	0.01	200000	MS
SELENIUM	0.30	1000	MS
SILVER	0.10	500	MS
SODIUM	0.01	200000	MS
THALLIUM	0.10	1000	MS
VANADIUM	0.10	1000	MS
ZINC	0.10	1000	MS

PREPARATION LOG

Lab Name: Katahdin Analytical Services**QC Batch ID:** HF20ICW2**Matrix:** WATER**SDG Name:** WE53-7**Method:** P**Prep Date:** 06/20/2014

Client ID	Lab Sample ID	Initial (L)	Final (L)	Bottle ID
LCSWHF20ICW2	LCSWHF20ICW2	0.05	0.05	
PBWHF20ICW2	PBWHF20ICW2	0.05	0.05	
FTA-MW-9-061714	SH4401-002	0.05	0.05	K
FTA-MW-9-061714	SH4401-003	0.05	0.05	A
FTA-MW-10-061714	SH4401-004	0.05	0.05	K
FTA-MW-10-061714	SH4401-005	0.05	0.05	A
FTA-MW-11-061714	SH4401-006	0.05	0.05	K
FTA-MW-11-061714	SH4401-007	0.05	0.05	A
FTA-MW-11-061714P	SH4401-007P	0.05	0.05	A
FTA-MW-11-061714S	SH4401-007S	0.05	0.05	A
FTA-MW-12-061714	SH4401-008	0.05	0.05	K
FTA-MW-12-061714	SH4401-009	0.05	0.05	A
FTA-MW-5-061814	SH4401-010	0.05	0.05	K
FTA-MW-5-061814	SH4401-011	0.05	0.05	A
FTA-MW-203-061814	SH4401-012	0.05	0.05	K
FTA-MW-203-061814	SH4401-013	0.05	0.05	A
FTA-GW-DUP01-061814	SH4401-014	0.05	0.05	K
FTA-GW-DUP01-061814	SH4401-015	0.05	0.05	A
FTA-MW-218-061814	SH4401-016	0.05	0.05	K
FTA-MW-218-061814	SH4401-017	0.05	0.05	A
FTA-MW-206-061814	SH4401-018	0.05	0.05	K

PREPARATION LOG

Lab Name: Katahdin Analytical Services**QC Batch ID:** HF20IMW2**Matrix:** WATER**SDG Name:** WE53-7**Method:** MS**Prep Date:** 06/20/2014

Client ID	Lab Sample ID	Initial (L)	Final (L)	Bottle ID
LCSWHF20IMW2	LCSWHF20IMW2	0.05	0.05	
PBWHF20IMW2	PBWHF20IMW2	0.05	0.05	
FTA-MW-9-061714	SH4401-002	0.05	0.05	K
FTA-MW-9-061714	SH4401-003	0.05	0.05	A
FTA-MW-10-061714	SH4401-004	0.05	0.05	K
FTA-MW-10-061714	SH4401-005	0.05	0.05	A
FTA-MW-11-061714	SH4401-006	0.05	0.05	K
FTA-MW-11-061714	SH4401-007	0.05	0.05	A
FTA-MW-11-061714P	SH4401-007P	0.05	0.05	A
FTA-MW-11-061714S	SH4401-007S	0.05	0.05	A
FTA-MW-12-061714	SH4401-008	0.05	0.05	K
FTA-MW-12-061714	SH4401-009	0.05	0.05	A
FTA-MW-5-061814	SH4401-010	0.05	0.05	K
FTA-MW-5-061814	SH4401-011	0.05	0.05	A
FTA-MW-203-061814	SH4401-012	0.05	0.05	K
FTA-MW-203-061814	SH4401-013	0.05	0.05	A
FTA-GW-DUP01-061814	SH4401-014	0.05	0.05	K
FTA-GW-DUP01-061814	SH4401-015	0.05	0.05	A
FTA-MW-218-061814	SH4401-016	0.05	0.05	K
FTA-MW-218-061814	SH4401-017	0.05	0.05	A
FTA-MW-206-061814	SH4401-018	0.05	0.05	K

PREPARATION LOG

Lab Name: Katahdin Analytical Services**QC Batch ID:** HF23ICW2**Matrix:** WATER**SDG Name:** WE53-7**Method:** P**Prep Date:** 06/23/2014

Client ID	Lab Sample ID	Initial (L)	Final (L)	Bottle ID
LCSWHF23ICW2	LCSWHF23ICW2	0.05	0.05	
PBWHF23ICW2	PBWHF23ICW2	0.05	0.05	
FTA-MW-206-061814	SH4401-019	0.05	0.05	A
FTA-MW-206-061814P	SH4401-019P	0.05	0.05	A
FTA-MW-206-061814S	SH4401-019S	0.05	0.05	A
FTA-MW-14-061714	SH4401-020	0.05	0.05	K
FTA-MW-14-061714	SH4401-021	0.05	0.05	A

PREPARATION LOG

Lab Name: Katahdin Analytical Services**QC Batch ID:** HF23IMW2**Matrix:** WATER**SDG Name:** WE53-7**Method:** MS**Prep Date:** 06/23/2014

Client ID	Lab Sample ID	Initial (L)	Final (L)	Bottle ID
LCSWHF23IMW2	LCSWHF23IMW2	0.05	0.05	
PBWHF23IMW2	PBWHF23IMW2	0.05	0.05	
FTA-MW-206-061814	SH4401-019	0.05	0.05	A
FTA-MW-206-061814P	SH4401-019P	0.05	0.05	A
FTA-MW-206-061814S	SH4401-019S	0.05	0.05	A
FTA-MW-14-061714	SH4401-020	0.05	0.05	K
FTA-MW-14-061714	SH4401-021	0.05	0.05	A

PREPARATION LOG

Lab Name: Katahdin Analytical Services**QC Batch ID:** HF24ICW1**Matrix:** WATER**SDG Name:** WE53-7**Method:** P**Prep Date:** 06/24/2014

Client ID	Lab Sample ID	Initial (L)	Final (L)	Bottle ID
LCSWHF24ICW1	LCSWHF24ICW1	0.05	0.05	
PBWHF24ICW1	PBWHF24ICW1	0.05	0.05	
FTA-MW-208-061814	SH4521-002	0.05	0.05	K
FTA-MW-208-061814	SH4521-003	0.05	0.05	A
FTA-MW-1-061814	SH4521-004	0.05	0.05	K
FTA-MW-1-061814	SH4521-005	0.05	0.05	A
FTA-GW-DUP02-061814	SH4521-006	0.05	0.05	K
FTA-GW-DUP02-061814	SH4521-007	0.05	0.05	A
FTA-MW-210-061814	SH4521-009	0.05	0.05	B
FTA-MW-210-061814P	SH4521-009P	0.05	0.05	B
FTA-MW-210-061814S	SH4521-009S	0.05	0.05	B
FTA-SW-01-061914	SH4521-010	0.05	0.05	K
FTA-SW-01-061914	SH4521-011	0.05	0.05	A
FTA-SW-02-061914	SH4521-012	0.05	0.05	K
FTA-SW-02-061914	SH4521-013	0.05	0.05	A
FTA-SW-03-061914	SH4521-014	0.05	0.05	E1
FTA-SW-03-061914P	SH4521-014P	0.05	0.05	E1
FTA-SW-03-061914S	SH4521-014S	0.05	0.05	E1
FTA-SW-06-061914	SH4521-016	0.05	0.05	K
FTA-SW-06-061914	SH4521-017	0.05	0.05	A
FTA-SW-07-061914	SH4521-018	0.05	0.05	K
FTA-SW-07-061914	SH4521-019	0.05	0.05	A
FTA-SW-08-061914	SH4521-020	0.05	0.05	K
FTA-SD-RB01-062014	SH4521-024	0.05	0.05	K

PREPARATION LOG

Lab Name: Katahdin Analytical Services**QC Batch ID:** HF24ICW2**Matrix:** WATER**SDG Name:** WE53-7**Method:** P**Prep Date:** 06/24/2014

Client ID	Lab Sample ID	Initial (L)	Final (L)	Bottle ID
LCSWHF24ICW2	LCSWHF24ICW2	0.05	0.05	
PBWHF24ICW2	PBWHF24ICW2	0.05	0.05	
FTA-MW-210-061814	SH4521-008	0.05	0.05	F1
FTA-MW-210-061814P	SH4521-008P	0.05	0.05	F1
FTA-MW-210-061814S	SH4521-008S	0.05	0.05	F1
FTA-SW-03-061914	SH4521-015	0.05	0.05	A
FTA-SW-03-061914P	SH4521-015P	0.05	0.05	A
FTA-SW-03-061914S	SH4521-015S	0.05	0.05	A
FTA-SW-08-061914	SH4521-021	0.05	0.05	A
FTA-SW-DUP01-061914	SH4521-022	0.05	0.05	K
FTA-SW-DUP01-061914	SH4521-023	0.05	0.05	A

PREPARATION LOG

Lab Name: Katahdin Analytical Services**QC Batch ID:** HF24IMW1**Matrix:** WATER**SDG Name:** WE53-7**Method:** MS**Prep Date:** 06/24/2014

Client ID	Lab Sample ID	Initial (L)	Final (L)	Bottle ID
LCSWHF24IMW1	LCSWHF24IMW1	0.05	0.05	
PBWHF24IMW1	PBWHF24IMW1	0.05	0.05	
FTA-MW-208-061814	SH4521-002	0.05	0.05	K
FTA-MW-208-061814	SH4521-003	0.05	0.05	A
FTA-MW-1-061814	SH4521-004	0.05	0.05	K
FTA-MW-1-061814	SH4521-005	0.05	0.05	A
FTA-GW-DUP02-061814	SH4521-006	0.05	0.05	K
FTA-GW-DUP02-061814	SH4521-007	0.05	0.05	A
FTA-MW-210-061814	SH4521-009	0.05	0.05	B
FTA-MW-210-061814P	SH4521-009P	0.05	0.05	B
FTA-MW-210-061814S	SH4521-009S	0.05	0.05	B
FTA-SW-01-061914	SH4521-010	0.05	0.05	K
FTA-SW-01-061914	SH4521-011	0.05	0.05	A
FTA-SW-02-061914	SH4521-012	0.05	0.05	K
FTA-SW-02-061914	SH4521-013	0.05	0.05	A
FTA-SW-03-061914	SH4521-014	0.05	0.05	E1
FTA-SW-03-061914P	SH4521-014P	0.05	0.05	E1
FTA-SW-03-061914S	SH4521-014S	0.05	0.05	E1
FTA-SW-06-061914	SH4521-016	0.05	0.05	K
FTA-SW-06-061914	SH4521-017	0.05	0.05	A
FTA-SW-07-061914	SH4521-018	0.05	0.05	K
FTA-SW-07-061914	SH4521-019	0.05	0.05	A
FTA-SW-08-061914	SH4521-020	0.05	0.05	K
FTA-SD-RB01-062014	SH4521-024	0.05	0.05	K

PREPARATION LOG

Lab Name: Katahdin Analytical Services**QC Batch ID:** HF24IMW2**Matrix:** WATER**SDG Name:** WE53-7**Method:** MS**Prep Date:** 06/24/2014

Client ID	Lab Sample ID	Initial (L)	Final (L)	Bottle ID
LCSWHF24IMW2	LCSWHF24IMW2	0.05	0.05	
PBWHF24IMW2	PBWHF24IMW2	0.05	0.05	
FTA-MW-210-061814	SH4521-008	0.05	0.05	F1
FTA-MW-210-061814P	SH4521-008P	0.05	0.05	F1
FTA-MW-210-061814S	SH4521-008S	0.05	0.05	F1
FTA-SW-03-061914	SH4521-015	0.05	0.05	A
FTA-SW-03-061914P	SH4521-015P	0.05	0.05	A
FTA-SW-03-061914S	SH4521-015S	0.05	0.05	A
FTA-SW-08-061914	SH4521-021	0.05	0.05	A
FTA-SW-DUP01-061914	SH4521-022	0.05	0.05	K
FTA-SW-DUP01-061914	SH4521-023	0.05	0.05	A

PREPARATION LOG

Lab Name: Katahdin Analytical Services**QC Batch ID:** HF26HGW3**Matrix:** WATER**SDG Name:** WE53-7**Method:** CV**Prep Date:** 06/26/2014

Client ID	Lab Sample ID	Initial (L)	Final (L)	Bottle ID
LCSWHF26HGW3	LCSWHF26HGW3	0.025	0.025	
PBWHF26HGW3	PBWHF26HGW3	0.025	0.025	
FTA-MW-9-061714	SH4401-002	0.025	0.025	K
FTA-MW-10-061714	SH4401-004	0.025	0.025	
FTA-MW-11-061714	SH4401-006	0.025	0.025	K
FTA-MW-12-061714	SH4401-008	0.025	0.025	K
FTA-MW-5-061814	SH4401-010	0.025	0.025	K
FTA-MW-203-061814	SH4401-012	0.025	0.025	K
FTA-GW-DUP01-061814	SH4401-014	0.025	0.025	K
FTA-MW-218-061814	SH4401-016	0.025	0.025	K
FTA-MW-206-061814	SH4401-018	0.025	0.025	K
FTA-MW-14-061714	SH4401-020	0.025	0.025	K
FTA-MW-208-061814	SH4521-002	0.025	0.025	M
FTA-MW-1-061814	SH4521-004	0.025	0.025	M
FTA-GW-DUP02-061814	SH4521-006	0.025	0.025	K
FTA-MW-210-061814	SH4521-008	0.025	0.025	E1
FTA-MW-210-061814P	SH4521-008P	0.025	0.025	E1
FTA-MW-210-061814S	SH4521-008S	0.025	0.025	E1
FTA-SW-01-061914	SH4521-010	0.025	0.025	K

PREPARATION LOG

Lab Name: Katahdin Analytical Services**QC Batch ID:** HF29HGW2**Matrix:** WATER**SDG Name:** WE53-7**Method:** CV**Prep Date:** 06/29/2014

Client ID	Lab Sample ID	Initial (L)	Final (L)	Bottle ID
LCSWHF29HGW2	LCSWHF29HGW2	0.025	0.025	
PBWHF29HGW2	PBWHF29HGW2	0.025	0.025	
FTA-MW-210-061814D	SH4521-008D	0.025	0.025	E1
FTA-SW-02-061914	SH4521-012	0.025	0.025	K
FTA-SW-03-061914	SH4521-014	0.025	0.025	E1
FTA-SW-03-061914D	SH4521-014D	0.025	0.025	E1
FTA-SW-03-061914S	SH4521-014S	0.025	0.025	E1
FTA-SW-06-061914	SH4521-016	0.025	0.025	K
FTA-SW-07-061914	SH4521-018	0.025	0.025	K
FTA-SW-08-061914	SH4521-020	0.025	0.025	K
FTA-SW-08-061914	SH4521-021	0.025	0.025	A
FTA-SW-DUP01-061914	SH4521-023	0.025	0.025	A

PREPARATION LOG

Lab Name: Katahdin Analytical Services**QC Batch ID:** HF29HGW3**Matrix:** WATER**SDG Name:** WE53-7**Method:** CV**Prep Date:** 06/29/2014

Client ID	Lab Sample ID	Initial (L)	Final (L)	Bottle ID
LCSWHF29HGW3	LCSWHF29HGW3	0.025	0.025	
PBWHF29HGW3	PBWHF29HGW3	0.025	0.025	
FTA-MW-9-061714	SH4401-003	0.025	0.025	A
FTA-MW-10-061714	SH4401-005	0.025	0.025	A
FTA-MW-11-061714	SH4401-007	0.025	0.025	A
FTA-MW-12-061714	SH4401-009	0.025	0.025	A
FTA-MW-5-061814	SH4401-011	0.025	0.025	A
FTA-MW-203-061814	SH4401-013	0.025	0.025	A
FTA-GW-DUP01-061814	SH4401-015	0.025	0.025	A
FTA-MW-218-061814	SH4401-017	0.025	0.025	A
FTA-MW-206-061814	SH4401-019	0.025	0.025	A
FTA-MW-14-061714	SH4401-021	0.025	0.025	A
FTA-MW-208-061814	SH4521-003	0.025	0.025	A
FTA-MW-1-061814	SH4521-005	0.025	0.025	A
FTA-GW-DUP02-061814	SH4521-007	0.025	0.025	A
FTA-MW-210-061814	SH4521-009	0.025	0.025	B
FTA-MW-210-061814D	SH4521-009D	0.025	0.025	B
FTA-MW-210-061814S	SH4521-009S	0.025	0.025	B
FTA-SW-01-061914	SH4521-011	0.025	0.025	A
FTA-SW-02-061914	SH4521-013	0.025	0.025	A
FTA-SW-03-061914	SH4521-015	0.025	0.025	A
FTA-SW-03-061914D	SH4521-015D	0.025	0.025	A
FTA-SW-03-061914S	SH4521-015S	0.025	0.025	A
FTA-SW-06-061914	SH4521-017	0.025	0.025	A
FTA-SW-DUP01-061914	SH4521-022	0.025	0.025	K
FTA-SD-RB01-062014	SH4521-024	0.025	0.025	K

PREPARATION LOG

Lab Name: Katahdin Analytical Services**QC Batch ID:** HG03HGW2**Matrix:** WATER**SDG Name:** WE53-7**Method:** CV**Prep Date:** 07/03/2014

Client ID	Lab Sample ID	Initial (L)	Final (L)	Bottle ID
LCSWHG03HGW2	LCSWHG03HGW2	0.025	0.025	
PBWHG03HGW2	PBWHG03HGW2	0.025	0.025	
FTA-SW-07-061914	SH4521-019	0.025	0.025	A

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ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Instrument ID: CETAC M6100

File Name: HHF27B

Date: 6/27/2014

Method: CV

Lab Sample ID	Client ID	D.F.	Time	Elements
Calibration Blank		1	14:40	Hg
Standard #1 (0.2 ppb)		1	14:43	Hg
Standard #2 (0.5 ppb)		1	14:45	Hg
Standard #3 (1.0 ppb)		1	14:47	Hg
Standard #4 (5.0 ppb)		1	14:49	Hg
Standard #5 (10.0 ppb)		1	14:51	Hg
ICV		1	14:55	HG
ICB		1	14:57	HG
PQL		1	15:02	HG
CCV		1	15:04	HG
CCB		1	15:06	HG
ZZZZZZ		1	15:08	
ZZZZZZ		5	15:10	
ZZZZZZ		1	15:12	
ZZZZZZ		1	15:14	
ZZZZZZ		1	15:17	
ZZZZZZ		1	15:19	
ZZZZZZ		1	15:21	
ZZZZZZ		1	15:23	
ZZZZZZ		1	15:25	
CCV		1	15:27	HG
CCB		1	15:29	HG
ZZZZZZ		1	15:31	
ZZZZZZ		1	15:34	
ZZZZZZ		1	15:36	
ZZZZZZ		1	15:38	
ZZZZZZ		1	15:40	

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ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Instrument ID: CETAC M6100

File Name: HHF27B

Date: 6/27/2014

Method: CV

Lab Sample ID	Client ID	D.F.	Time	Elements
ZZZZZZ		1	15:42	
ZZZZZZ		1	15:44	
ZZZZZZ		1	15:46	
ZZZZZZ		1	15:48	
ZZZZZZ		1	15:51	
CCV		1	15:53	HG
CCB		1	15:55	HG
ZZZZZZ		1	15:57	
ZZZZZZ		1	15:59	
ZZZZZZ		1	16:01	
ZZZZZZ		1	16:03	
ZZZZZZ		1	16:05	
ZZZZZZ		1	16:08	
ZZZZZZ		1	16:10	
ZZZZZZ		1	16:12	
ZZZZZZ		5	16:14	
ZZZZZZ		1	16:16	
CCV		1	16:18	HG
CCB		1	16:20	HG
ZZZZZZ		1	16:23	
ZZZZZZ		1	16:25	
ZZZZZZ		1	16:27	
LCSWHF26HGW3		1	16:29	HG
PBWHF26HGW3		1	16:31	HG
ZZZZZZ		1	16:33	
ZZZZZZ		1	16:35	
ZZZZZZ		1	16:38	

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ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Instrument ID: CETAC M6100

File Name: HHF27B

Date: 6/27/2014

Method: CV

Lab Sample ID	Client ID	D.F.	Time	Elements
ZZZZZZ		1	16:40	
ZZZZZZ		1	16:42	
CCV		1	16:44	HG
CCB		1	16:46	HG
SH4401-002	FTA-MW-9-061714	1	16:48	HG
SH4401-004	FTA-MW-10-061714	1	16:50	HG
SH4401-006	FTA-MW-11-061714	1	16:53	HG
SH4401-008	FTA-MW-12-061714	1	16:55	HG
SH4401-010	FTA-MW-5-061814	1	16:57	HG
SH4401-012	FTA-MW-203-061814	1	16:59	HG
SH4401-014	FTA-GW-DUP01-061814	1	17:01	HG
SH4401-016	FTA-MW-218-061814	1	17:03	HG
SH4401-018	FTA-MW-206-061814	1	17:06	HG
SH4401-020	FTA-MW-14-061714	1	17:08	HG
CCV		1	17:10	HG
CCB		1	17:12	HG
SH4521-002	FTA-MW-208-061814	1	17:14	HG
SH4521-004	FTA-MW-1-061814	1	17:16	HG
SH4521-006	FTA-GW-DUP02-061814	1	17:19	HG
SH4521-008	FTA-MW-210-061814	1	17:21	HG
SH4521-008L	FTA-MW-210-061814L	5	17:23	HG
SH4521-008A	FTA-MW-210-061814A	1	17:25	HG
SH4521-008P	FTA-MW-210-061814P	1	17:27	HG
SH4521-008S	FTA-MW-210-061814S	1	17:29	HG
SH4521-010	FTA-SW-01-061914	1	17:32	HG
CCV		1	17:34	HG
CCB		1	17:36	HG

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ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Instrument ID: CETAC M6100

File Name: HHF30A

Date: 6/30/2014

Method: CV

Lab Sample ID	Client ID	D.F.	Time	Elements
Calibration Blank		1	11:25	Hg
Standard #1 (0.2 ppb)		1	11:27	Hg
Standard #2 (0.5 ppb)		1	11:29	Hg
Standard #3 (1.0 ppb)		1	11:31	Hg
Standard #4 (5.0 ppb)		1	11:33	Hg
Standard #5 (10.0 ppb)		1	11:36	Hg
ICV		1	11:38	HG
ICB		1	11:40	HG
PQL		1	11:42	HG
CCV		1	11:44	HG
CCB		1	11:46	HG
ZZZZZZ		1	11:48	
ZZZZZZ		1	11:50	
ZZZZZZ		1	11:52	
ZZZZZZ		1	11:55	
LCSWHF29HGW2		1	11:57	HG
PBWHF29HGW2		1	11:59	HG
SH4521-008D	FTA-MW-210-061814D	1	12:01	HG
SH4521-012	FTA-SW-02-061914	1	12:03	HG
SH4521-014	FTA-SW-03-061914	1	12:05	HG
CCV		1	12:07	HG
CCB		1	12:09	HG
SH4521-014L	FTA-SW-03-061914L	5	12:11	HG
SH4521-014A	FTA-SW-03-061914A	1	12:14	HG
SH4521-014D	FTA-SW-03-061914D	1	12:16	HG
SH4521-014S	FTA-SW-03-061914S	1	12:18	HG
SH4521-016	FTA-SW-06-061914	1	12:20	HG

14
ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Instrument ID: CETAC M6100

File Name: HHF30A

Date: 6/30/2014

Method: CV

Lab Sample ID	Client ID	D.F.	Time	Elements
SH4521-018	FTA-SW-07-061914	1	12:22	HG
SH4521-020	FTA-SW-08-061914	1	12:24	HG
SH4521-021	FTA-SW-08-061914	1	12:26	HG
SH4521-023	FTA-SW-DUP01-061914	1	12:28	HG
<u>ZZZZZZ</u>		1	12:31	
CCV		1	12:33	HG
CCB		1	12:35	HG
<u>ZZZZZZ</u>		1	12:37	
<u>ZZZZZZ</u>		1	12:39	
<u>ZZZZZZ</u>		1	12:41	
<u>ZZZZZZ</u>		1	12:43	
<u>ZZZZZZ</u>		1	12:46	
<u>ZZZZZZ</u>		1	12:49	
LCSWHF29HGW3		1	12:59	HG
PBWHF29HGW3		1	13:05	HG
SH4401-003	FTA-MW-9-061714	1	13:07	HG
SH4401-005	FTA-MW-10-061714	1	13:09	HG
CCV		1	13:12	HG
CCB		1	13:14	HG
SH4401-007	FTA-MW-11-061714	1	13:16	HG
SH4401-009	FTA-MW-12-061714	1	13:18	HG
SH4401-011	FTA-MW-5-061814	1	13:20	HG
SH4401-013	FTA-MW-203-061814	1	13:22	HG
SH4401-015	FTA-GW-DUP01-061814	1	13:24	HG
SH4401-019	FTA-MW-206-061814	1	13:27	HG
SH4401-021	FTA-MW-14-061714	1	13:29	HG
SH4521-003	FTA-MW-208-061814	1	13:31	HG

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ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Instrument ID: CETAC M6100

File Name: HHF30A

Date: 6/30/2014

Method: CV

Lab Sample ID	Client ID	D.F.	Time	Elements
SH4521-005	FTA-MW-1-061814	1	13:33	HG
SH4521-007	FTA-GW-DUP02-061814	1	13:35	HG
CCV		1	13:37	HG
CCB		1	13:39	HG
SH4521-009	FTA-MW-210-061814	1	13:42	HG
SH4521-009L	FTA-MW-210-061814L	5	13:44	HG
SH4521-009A	FTA-MW-210-061814A	1	13:46	HG
SH4521-009D	FTA-MW-210-061814D	1	13:48	HG
SH4521-009S	FTA-MW-210-061814S	1	13:50	HG
SH4521-011	FTA-SW-01-061914	1	13:52	HG
SH4521-013	FTA-SW-02-061914	1	13:55	HG
SH4521-015	FTA-SW-03-061914	1	13:57	HG
SH4521-015L	FTA-SW-03-061914L	5	13:59	HG
SH4521-015A	FTA-SW-03-061914A	1	14:01	HG
CCV		1	14:03	HG
CCB		1	14:08	HG
SH4521-015D	FTA-SW-03-061914D	1	14:10	HG
SH4521-015S	FTA-SW-03-061914S	1	14:12	HG
SH4521-017	FTA-SW-06-061914	1	14:15	HG
SH4521-022	FTA-SW-DUP01-061914	1	14:17	HG
SH4521-024	FTA-SD-RB01-062014	1	14:19	HG
SH4401-017	FTA-MW-218-061814	1	14:21	HG
ZZZZZZ		1	14:23	
ZZZZZZ		1	14:25	
ZZZZZZ		5	14:28	
ZZZZZZ		40	14:30	
CCV		1	14:34	HG

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ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Instrument ID: CETAC M6100

File Name: HHF30A

Date: 6/30/2014

Method: CV

Lab Sample ID	Client ID	D.F.	Time	Elements
CCB		1	14:36	HG

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ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Instrument ID: CETAC M6100

File Name: HHG04A

Date: 7/4/2014

Method: CV

Lab Sample ID	Client ID	D.F.	Time	Elements
Calibration Blank		1	12:42	Hg
Standard #1 (0.2 ppb)		1	12:44	Hg
Standard #2 (0.5 ppb)		1	12:46	Hg
Standard #3 (1.0 ppb)		1	12:48	Hg
Standard #4 (5.0 ppb)		1	12:50	Hg
Standard #5 (10.0 ppb)		1	12:53	Hg
ICV		1	12:55	HG
ICB		1	12:57	HG
PQL		1	12:59	HG
CCV		1	13:01	HG
CCB		1	13:03	HG
ZZZZZZ		1	13:05	
ZZZZZZ		1	13:07	
ZZZZZZ		1	13:09	
ZZZZZZ		1	13:12	
ZZZZZZ		1	13:14	
ZZZZZZ		5	13:16	
ZZZZZZ		1	13:18	
ZZZZZZ		1	13:20	
ZZZZZZ		1	13:22	
CCV		1	13:24	HG
CCB		1	13:26	HG
ZZZZZZ		1	13:28	
ZZZZZZ		1	13:31	
ZZZZZZ		1	13:33	
ZZZZZZ		1	13:35	
ZZZZZZ		1	13:37	

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ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Instrument ID: CETAC M6100

File Name: HHG04A

Date: 7/4/2014

Method: CV

Lab Sample ID	Client ID	D.F.	Time	Elements
ZZZZZZ		1	13:39	
LCSWHG03HGW2		1	13:41	HG
PBWHG03HGW2		1	13:43	HG
ZZZZZZ		1	13:46	
ZZZZZZ		1	13:48	
CCV		1	13:50	HG
CCB		1	13:52	HG
ZZZZZZ		1	13:54	
ZZZZZZ		1	13:56	
ZZZZZZ		1	13:58	
ZZZZZZ		1	14:00	
ZZZZZZ		1	14:03	
ZZZZZZ		5	14:05	
ZZZZZZ		1	14:07	
ZZZZZZ		1	14:09	
ZZZZZZ		1	14:11	
ZZZZZZ		1	14:13	
CCV		1	14:15	HG
CCB		1	14:17	HG
ZZZZZZ		1	14:20	
ZZZZZZ		1	14:22	
SH4521-019	FTA-SW-07-061914	1	14:24	HG
ZZZZZZ		1	14:26	
ZZZZZZ		1	14:28	
ZZZZZZ		1	14:30	
ZZZZZZ		1	14:33	
ZZZZZZ		1	14:35	

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ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Instrument ID: CETAC M6100

File Name: HHG04A

Date: 7/4/2014

Method: CV

Lab Sample ID	Client ID	D.F.	Time	Elements
<u>ZZZZZZ</u>		1	14:37	
<u>ZZZZZZ</u>		1	14:39	
CCV		1	14:41	HG
CCB		1	14:43	HG

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ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Instrument ID: THERMO ICAP 6500

File Name: IHF23B

Date: 6/23/2014

Method: P

Lab Sample ID	Client ID	D.F.	Time	Elements							
Blank		1	18:26	AL	BA	CA	FE	MG MN	K	NA	ZN
Std 1		1	18:31	AL	BA	CA	FE	MG MN	K	NA	ZN
ICV		1	18:35	AL	BA	CA	FE	MG MN	K	NA	ZN
ICB		1	18:40	AL	BA	CA	FE	MG MN	K	NA	ZN
PQL		1	18:44	AL	BA	CA	FE	MG MN	K	NA	ZN
ZZZZZZ		1	18:49								
ZZZZZZ		1	18:54								
ICSA		1	19:03	AL	BA	CA	FE	MG MN	K	NA	ZN
ICSAB		1	19:08	AL	BA	CA	FE	MG MN	K	NA	ZN
CCV		1	19:12	AL	BA	CA	FE	MG MN	K	NA	ZN
CCB		1	19:17	AL	BA	CA	FE	MG MN	K	NA	ZN
PBWHF20ICW2		1	19:21	AL	BA	CA	FE	MG MN	K	NA	ZN
LCSWHF20ICW2		1	19:26	AL	BA	CA	FE	MG MN	K	NA	ZN
SH4401-002	FTA-MW-9-061714	1	19:31	AL	BA	CA	FE	MG MN	K	NA	ZN
SH4401-003	FTA-MW-9-061714	1	19:35	AL	BA	CA	FE	MG MN	K	NA	ZN
SH4401-004	FTA-MW-10-061714	1	19:40	AL	BA	CA	FE	MG MN	K	NA	ZN
SH4401-005	FTA-MW-10-061714	1	19:45	AL	BA	CA	FE	MG MN	K	NA	ZN
SH4401-006	FTA-MW-11-061714	1	19:49	AL	BA	CA	FE	MG MN	K	NA	ZN
SH4401-007	FTA-MW-11-061714	1	19:54	AL	BA	CA	FE	MG MN	K	NA	ZN
SH4401-007L	FTA-MW-11-061714L	5	19:59	AL	BA	CA	FE	MG MN	K	NA	ZN
SH4401-007A	FTA-MW-11-061714A	1	20:03	AL	BA	CA	FE	MG MN	K	NA	ZN
CCV		1	20:08	AL	BA	CA	FE	MG MN	K	NA	ZN
CCB		1	20:12	AL	BA	CA	FE	MG MN	K	NA	ZN
SH4401-007S	FTA-MW-11-061714S	1	20:17	AL	BA	CA	FE	MG MN	K	NA	ZN
SH4401-007P	FTA-MW-11-061714P	1	20:21	AL	BA	CA	FE	MG MN	K	NA	ZN
SH4401-008	FTA-MW-12-061714	1	20:26	AL	BA	CA	FE	MG MN	K	NA	ZN
SH4401-009	FTA-MW-12-061714	1	20:31	AL	BA	CA	FE	MG MN	K	NA	ZN

14
ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Instrument ID: THERMO ICAP 6500

File Name: IHF23B

Date: 6/23/2014

Method: P

Lab Sample ID	Client ID	D.F.	Time	Elements							
SH4401-010	FTA-MW-5-061814	1	20:35	AL	BA	CA	FE	MGMN	K	NA	ZN
SH4401-011	FTA-MW-5-061814	1	20:40	AL	BA	CA	FE	MGMN	K	NA	ZN
SH4401-012	FTA-MW-203-061814	1	20:45	AL	BA	CA	FE	MGMN	K	NA	ZN
SH4401-013	FTA-MW-203-061814	1	20:49	AL	BA	CA	FE	MGMN	K	NA	ZN
SH4401-014	FTA-GW-DUP01-061814	1	20:54	AL	BA	CA	FE	MGMN	K	NA	ZN
SH4401-015	FTA-GW-DUP01-061814	1	20:59	AL	BA	CA	FE	MGMN	K	NA	ZN
CCV		1	21:03	AL	BA	CA	FE	MGMN	K	NA	ZN
CCB		1	21:08	AL	BA	CA	FE	MGMN	K	NA	ZN
SH4401-016	FTA-MW-218-061814	1	21:12	AL	BA	CA	FE	MGMN	K	NA	ZN
SH4401-017	FTA-MW-218-061814	1	21:17	AL	BA	CA	FE	MGMN	K	NA	ZN
SH4401-018	FTA-MW-206-061814	1	21:22	AL	BA	CA	FE	MGMN	K	NA	ZN
ZZZZZZ		1	21:26								
ZZZZZZ		1	21:31								
ZZZZZZ		1	21:36								
ZZZZZZ		1	21:40								
ZZZZZZ		1	21:45								
ZZZZZZ		1	21:49								
ZZZZZZ		1	21:54								
CCV		1	21:58	AL	BA	CA	FE	MGMN	K	NA	ZN
CCB		1	22:03	AL	BA	CA	FE	MGMN	K	NA	ZN

14
ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Instrument ID: THERMO ICAP 6500

File Name: IHF26A

Date: 6/26/2014

Method: P

Lab Sample ID	Client ID	D.F.	Time	Elements							
Blank		1	13:16	AL	BA	CA	FE	MGMN	K	NA	ZN
Std 1		1	13:21	AL	BA	CA	FE	MGMN	K	NA	ZN
ICV		1	13:25	AL	BA	CA	FE	MGMN	K	NA	ZN
ICB		1	13:30	AL	BA	CA	FE	MGMN	K	NA	ZN
PQL		1	13:34	AL	BA	CA	FE	MGMN	K	NA	ZN
ZZZZZZ		1	13:39								
ZZZZZZ		1	13:44								
ICSA		1	13:53	AL	BA	CA	FE	MGMN	K	NA	ZN
ICSAB		1	13:58	AL	BA	CA	FE	MGMN	K	NA	ZN
CCV		1	14:02	AL	BA	CA	FE	MGMN	K	NA	ZN
CCB		1	14:06	AL	BA	CA	FE	MGMN	K	NA	ZN
ZZZZZZ		1	14:11								
ZZZZZZ		1	14:16								
ZZZZZZ		1	14:20								
ZZZZZZ		25	14:25								
ZZZZZZ		25	14:30								
ZZZZZZ		10	14:34								
ZZZZZZ		50	14:39								
ZZZZZZ		100	14:44								
CCV		1	14:48	AL	BA	CA	FE	MGMN	K	NA	ZN
CCB		1	14:53	AL	BA	CA	FE	MGMN	K	NA	ZN
CCV		1	14:57	AL	BA	CA	FE	MGMN	K	NA	ZN
CCB		1	15:02	AL	BA	CA	FE	MGMN	K	NA	ZN
ZZZZZZ		1	15:07								
ZZZZZZ		100	15:11								
ZZZZZZ		1	15:16								
ZZZZZZ		1	15:21								

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ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Instrument ID: THERMO ICAP 6500

File Name: IHF26A

Date: 6/26/2014

Method: P

Lab Sample ID	Client ID	D.F.	Time	Elements							
ZZZZZZ		1	15:25								
ZZZZZZ		5	15:30								
ZZZZZZ		1	15:34								
ZZZZZZ		1	15:39								
ZZZZZZ		1	15:44								
ZZZZZZ		1	15:48								
CCV		1	15:53	AL	BA	CA	FE	MGMN	K	NA	ZN
CCB		1	15:57	AL	BA	CA	FE	MGMN	K	NA	ZN
ZZZZZZ		1	16:02								
ZZZZZZ		1	16:07								
ZZZZZZ		1	16:11								
ZZZZZZ		1	16:16								
ZZZZZZ		1	16:20								
ZZZZZZ		1	16:25								
ZZZZZZ		1	16:30								
ZZZZZZ		1	16:34								
ZZZZZZ		1	16:39								
ZZZZZZ		1	16:44								
CCV		1	16:48	AL	BA	CA	FE	MGMN	K	NA	ZN
CCB		1	16:53	AL	BA	CA	FE	MGMN	K	NA	ZN
ZZZZZZ		5	16:57								
ZZZZZZ		1	17:02								
ZZZZZZ		1	17:07								
ZZZZZZ		1	17:11								
ZZZZZZ		1	17:16								
ZZZZZZ		1	17:20								
ZZZZZZ		1	17:25								

14
ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Instrument ID: THERMO ICAP 6500

File Name: IHF26A

Date: 6/26/2014

Method: P

Lab Sample ID	Client ID	D.F.	Time	Elements							
ZZZZZZ		1	17:30								
ZZZZZZ		1	17:34								
ZZZZZZ		1	17:39								
CCV		1	17:43	AL	BA	CA	FE	MGMN	K	NA	ZN
CCB		1	17:48	AL	BA	CA	FE	MGMN	K	NA	ZN
ZZZZZZ		5	17:53								
ZZZZZZ		1	17:57								
ZZZZZZ		1	18:02								
ZZZZZZ		1	18:06								
ZZZZZZ		1	18:11								
ZZZZZZ		1	18:16								
ZZZZZZ		1	18:20								
SH4401-019	FTA-MW-206-061814	1	18:25	AL	BA	CA	FE	MGMN	K	NA	ZN
SH4401-019L	FTA-MW-206-061814L	5	18:30	AL	BA	CA	FE	MGMN	K	NA	ZN
SH4401-019A	FTA-MW-206-061814A	1	18:34	AL	BA	CA	FE	MGMN	K	NA	ZN
CCV		1	18:39	AL	BA	CA	FE	MGMN	K	NA	ZN
CCB		1	18:43	AL	BA	CA	FE	MGMN	K	NA	ZN
SH4401-019S	FTA-MW-206-061814S	1	18:48	AL	BA	CA	FE	MGMN	K	NA	ZN
SH4401-019P	FTA-MW-206-061814P	1	18:53	AL	BA	CA	FE	MGMN	K	NA	ZN
SH4401-020	FTA-MW-14-061714	1	18:57	AL	BA	CA	FE	MGMN	K	NA	ZN
SH4401-021	FTA-MW-14-061714	1	19:02	AL	BA	CA	FE	MGMN	K	NA	ZN
ZZZZZZ		1	19:06								
ZZZZZZ		1	19:11								
ZZZZZZ		3	19:16								
ZZZZZZ		1	19:20								
ZZZZZZ		1	19:25								
ZZZZZZ		2	19:29								

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ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Instrument ID: THERMO ICAP 6500

File Name: IHF26A

Date: 6/26/2014

Method: P

Lab Sample ID	Client ID	D.F.	Time	Elements							
CCV		1	19:34	AL	BA	CA	FE	MGMN	K	NA	ZN
CCB		1	19:39	AL	BA	CA	FE	MGMN	K	NA	ZN
ZZZZZZ		5	19:43								
ZZZZZZ		10	19:48								
ZZZZZZ		3	19:52								
PBWHF23ICW2		1	19:57	AL	BA	CA	FE	MGMN	K	NA	ZN
LCSWHF23ICW2		1	20:02	AL	BA	CA	FE	MGMN	K	NA	ZN
ZZZZZZ		1	20:06								
ZZZZZZ		1	20:11								
ZZZZZZ		1	20:15								
ZZZZZZ		1	20:20								
ZZZZZZ		1	20:25								
CCV		1	20:29	AL	BA	CA	FE	MGMN	K	NA	ZN
CCB		1	20:34	AL	BA	CA	FE	MGMN	K	NA	ZN

14
ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Instrument ID: THERMO ICAP 6500

File Name: IHG02A

Date: 7/2/2014

Method: P

Lab Sample ID	Client ID	D.F.	Time	Elements							
Blank		1	9:48	AL	BA	CA	FE	MGMN	K	NA	ZN
Std 1		1	9:53	AL	BA	CA	FE	MGMN	K	NA	ZN
ICV		1	9:57	AL	BA	CA	FE	MGMN	K	NA	ZN
ICB		1	10:02	AL	BA	CA	FE	MGMN	K	NA	ZN
PQL		1	10:06	AL	BA	CA	FE	MGMN	K	NA	ZN
ZZZZZZ		1	10:11								
ZZZZZZ		1	10:16								
ICSA		1	10:25	AL	BA	CA	FE	MGMN	K	NA	ZN
ICSAB		1	10:30	AL	BA	CA	FE	MGMN	K	NA	ZN
CCV		1	10:35	AL	BA	CA	FE	MGMN	K	NA	ZN
CCB		1	10:39	AL	BA	CA	FE	MGMN	K	NA	ZN
PBWHF24ICW1		1	10:44	AL	BA	CA	FE	MGMN	K	NA	ZN
LCSWHF24ICW1		1	10:49	AL	BA	CA	FE	MGMN	K	NA	ZN
SH4521-002	FTA-MW-208-061814	1	10:53	AL	BA	CA	FE	MGMN	K	NA	ZN
SH4521-003	FTA-MW-208-061814	1	10:58	AL	BA	CA	FE	MGMN	K	NA	ZN
SH4521-004	FTA-MW-1-061814	1	11:03	AL	BA	CA	FE	MGMN	K	NA	ZN
SH4521-005	FTA-MW-1-061814	1	11:07	AL	BA	CA	FE	MGMN	K	NA	ZN
SH4521-006	FTA-GW-DUP02-061814	1	11:12	AL	BA	CA	FE	MGMN	K	NA	ZN
SH4521-007	FTA-GW-DUP02-061814	1	11:16	AL	BA	CA	FE	MGMN	K	NA	ZN
SH4521-009	FTA-MW-210-061814	1	11:21	AL	BA	CA	FE	MGMN	K	NA	ZN
SH4521-009L	FTA-MW-210-061814L	5	11:26	AL	BA	CA	FE	MGMN	K	NA	ZN
CCV		1	11:30	AL	BA	CA	FE	MGMN	K	NA	ZN
CCB		1	11:35	AL	BA	CA	FE	MGMN	K	NA	ZN
SH4521-009A	FTA-MW-210-061814A	1	11:39	AL	BA	CA	FE	MGMN	K	NA	ZN
SH4521-009S	FTA-MW-210-061814S	1	11:44	AL	BA	CA	FE	MGMN	K	NA	ZN
SH4521-009P	FTA-MW-210-061814P	1	11:48	AL	BA	CA	FE	MGMN	K	NA	ZN
SH4521-010	FTA-SW-01-061914	1	11:53	AL	BA	CA	FE	MGMN	K	NA	ZN

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ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Instrument ID: THERMO ICAP 6500

File Name: IHG02A

Date: 7/2/2014

Method: P

Lab Sample ID	Client ID	D.F.	Time	Elements							
SH4521-011	FTA-SW-01-061914	1	11:58	AL	BA	CA	FE	MGMN	K	NA	ZN
SH4521-012	FTA-SW-02-061914	1	12:02	AL	BA	CA	FE	MGMN	K	NA	ZN
SH4521-013	FTA-SW-02-061914	1	12:07	AL	BA	CA	FE	MGMN	K	NA	ZN
SH4521-014	FTA-SW-03-061914	1	12:12	AL	BA	CA	FE	MGMN	K	NA	ZN
SH4521-014L	FTA-SW-03-061914L	5	12:16	AL	BA	CA	FE	MGMN	K	NA	ZN
SH4521-014A	FTA-SW-03-061914A	1	12:21	AL	BA	CA	FE	MGMN	K	NA	ZN
CCV		1	12:25	AL	BA	CA	FE	MGMN	K	NA	ZN
CCB		1	12:30	AL	BA	CA	FE	MGMN	K	NA	ZN
SH4521-014S	FTA-SW-03-061914S	1	12:34	AL	BA	CA	FE	MGMN	K	NA	ZN
SH4521-014P	FTA-SW-03-061914P	1	12:39	AL	BA	CA	FE	MGMN	K	NA	ZN
SH4521-016	FTA-SW-06-061914	1	12:43	AL	BA	CA	FE	MGMN	K	NA	ZN
SH4521-017	FTA-SW-06-061914	1	12:48	AL	BA	CA	FE	MGMN	K	NA	ZN
SH4521-018	FTA-SW-07-061914	1	12:53	AL	BA	CA	FE	MGMN	K	NA	ZN
SH4521-019	FTA-SW-07-061914	1	12:57	AL	BA	CA	FE	MGMN	K	NA	ZN
SH4521-020	FTA-SW-08-061914	1	13:02	AL	BA	CA	FE	MGMN	K	NA	ZN
SH4521-024	FTA-SD-RB01-062014	1	13:07	AL	BA	CA	FE	MGMN	K	NA	ZN
ZZZZZZ		1	13:11								
ZZZZZZ		1	13:16								
CCV		1	13:20	AL	BA	CA	FE	MGMN	K	NA	ZN
CCB		1	13:25	AL	BA	CA	FE	MGMN	K	NA	ZN

14
ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Instrument ID: THERMO ICAP 6500

File Name: IHG02C

Date: 7/2/2014

Method: P

Lab Sample ID	Client ID	D.F.	Time	Elements							
Blank		1	23:42	AL	BA	CA	FE	MG MN	K	NA	ZN
Std 1		1	23:46	AL	BA	CA	FE	MG MN	K	NA	ZN
ICV		1	23:51	AL	BA	CA	FE	MG MN	K	NA	ZN
ICB		1	23:55	AL	BA	CA	FE	MG MN	K	NA	ZN
PQL		1	0:00	AL	BA	CA	FE	MG MN	K	NA	ZN
ZZZZZZ		1	0:05								
ZZZZZZ		1	0:09								
ICSA		1	0:18	AL	BA	CA	FE	MG MN	K	NA	ZN
ICSAB		1	0:23	AL	BA	CA	FE	MG MN	K	NA	ZN
CCV		1	0:28	AL	BA	CA	FE	MG MN	K	NA	ZN
CCB		1	0:33	AL	BA	CA	FE	MG MN	K	NA	ZN
ZZZZZZ		1	0:37								
ZZZZZZ		1	0:42								
ZZZZZZ		1	0:47								
ZZZZZZ		50	0:51								
PBWHF24ICW2		1	0:56	AL	BA	CA	FE	MG MN	K	NA	ZN
LCSWHF24ICW2		1	1:00	AL	BA	CA	FE	MG MN	K	NA	ZN
ZZZZZZ		1	1:05								
ZZZZZZ		1	1:10								
ZZZZZZ		1	1:14								
ZZZZZZ		1	1:19								
CCV		1	1:24	AL	BA	CA	FE	MG MN	K	NA	ZN
CCB		1	1:28	AL	BA	CA	FE	MG MN	K	NA	ZN
ZZZZZZ		1	1:33								
ZZZZZZ		1	1:37								
ZZZZZZ		1	1:42								
ZZZZZZ		1	1:47								

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ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Instrument ID: THERMO ICAP 6500

File Name: IHG02C

Date: 7/3/2014

Method: P

Lab Sample ID	Client ID	D.F.	Time	Elements							
ZZZZZZ		1	1:51								
ZZZZZZ		1	1:56								
ZZZZZZ		1	2:01								
SH4521-008	FTA-MW-210-061814	1	2:05	AL	BA	CA	FE	MG MN	K	NA	ZN
SH4521-008L	FTA-MW-210-061814L	5	2:10	AL	BA	CA	FE	MG MN	K	NA	ZN
SH4521-008A	FTA-MW-210-061814A	1	2:14	AL	BA	CA	FE	MG MN	K	NA	ZN
CCV		1	2:19	AL	BA	CA	FE	MG MN	K	NA	ZN
CCB		1	2:23	AL	BA	CA	FE	MG MN	K	NA	ZN
SH4521-008S	FTA-MW-210-061814S	1	2:28	AL	BA	CA	FE	MG MN	K	NA	ZN
SH4521-008P	FTA-MW-210-061814P	1	2:33	AL	BA	CA	FE	MG MN	K	NA	ZN
SH4521-015	FTA-SW-03-061914	1	2:37	AL	BA	CA	FE	MG MN	K	NA	ZN
SH4521-015L	FTA-SW-03-061914L	5	2:42	AL	BA	CA	FE	MG MN	K	NA	ZN
SH4521-015A	FTA-SW-03-061914A	1	2:46	AL	BA	CA	FE	MG MN	K	NA	ZN
SH4521-015S	FTA-SW-03-061914S	1	2:51	AL	BA	CA	FE	MG MN	K	NA	ZN
SH4521-015P	FTA-SW-03-061914P	1	2:55	AL	BA	CA	FE	MG MN	K	NA	ZN
SH4521-021	FTA-SW-08-061914	1	3:00	AL	BA	CA	FE	MG MN	K	NA	ZN
SH4521-022	FTA-SW-DUP01-061914	1	3:05	AL	BA	CA	FE	MG MN	K	NA	ZN
SH4521-023	FTA-SW-DUP01-061914	1	3:09	AL	BA	CA	FE	MG MN	K	NA	ZN
CCV		1	3:14	AL	BA	CA	FE	MG MN	K	NA	ZN
CCB		1	3:18	AL	BA	CA	FE	MG MN	K	NA	ZN

14
ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Instrument ID: AGILENT 7500 ICP-MS

File Name: JHG01A

Date: 7/1/2014

Method: MS

Lab Sample ID	Client ID	D.F.	Time	Elements																			
6020 Tune		1	13:01																				
200.8 Tune		1	13:04																				
Cal Blank		1	13:32	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
Cal Std 1		1	13:35	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
Cal Std 2		1	13:39	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
Cal Std 3		1	13:42	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
Cal Std 4		1	13:45	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
ICV		1	13:48	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
ICB		1	13:51	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
PQL		1	13:54	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
ICSA		1	13:57	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
ICSAB		1	14:01	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
ZZZZZZ		1	14:04																				
CCV		1	14:07	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
CCB		1	14:11	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
ZZZZZZ		1	14:14																				
ZZZZZZ		5	14:17																				
ZZZZZZ		1	14:21																				
ZZZZZZ		5	14:24																				
ZZZZZZ		5	14:27																				
ZZZZZZ		5	14:30																				
ZZZZZZ		5	14:34																				
ZZZZZZ		5	14:37																				
ZZZZZZ		5	14:40																				
ZZZZZZ		25	14:44																				
CCV		1	14:47	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
CCB		1	14:50	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V

14
ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Instrument ID: AGILENT 7500 ICP-MS

File Name: JHG01A

Date: 7/1/2014

Method: MS

Lab Sample ID	Client ID	D.F.	Time	Elements																			
ZZZZZZ		25	14:54																				
ZZZZZZ		25	14:57																				
ZZZZZZ		25	15:00																				
ZZZZZZ		25	15:04																				
ZZZZZZ		25	15:07																				
ZZZZZZ		125	15:10																				
ZZZZZZ		25	15:14																				
ZZZZZZ		25	15:17																				
ZZZZZZ		25	15:20																				
ZZZZZZ		5	15:24																				
CCV		1	15:27	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
CCB		1	15:30	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
ZZZZZZ		5	15:34																				
ZZZZZZ		5	15:37																				
ZZZZZZ		5	15:40																				
ZZZZZZ		5	15:44																				
ZZZZZZ		5	15:47																				
ZZZZZZ		5	15:51																				
ZZZZZZ		5	15:55																				
ZZZZZZ		5	15:58																				
ZZZZZZ		5	16:02																				
ZZZZZZ		5	16:05																				
CCV		1	16:09	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
CCB		1	16:12	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
ZZZZZZ		5	16:15																				
ZZZZZZ		5	16:19																				
ZZZZZZ		5	16:23																				

14
ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Instrument ID: AGILENT 7500 ICP-MS

File Name: JHG01A

Date: 7/1/2014

Method: MS

Lab Sample ID	Client ID	D.F.	Time	Elements																			
ZZZZZZ		5	16:26																				
ZZZZZZ		5	16:30																				
ZZZZZZ		5	16:33																				
ZZZZZZ		5	16:37																				
ZZZZZZ		5	16:40																				
PBWHF20IMW2		5	16:44	Sb	As	Be	Cd	Cr	Co	Cu	Pb		Ni	Se	Ag	Tl	V						
LCSWHF20IMW2		5	16:47	Sb	As	Be	Cd	Cr	Co	Cu	Pb		Ni	Se	Ag	Tl	V						
CCV		1	16:51	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
CCB		1	16:54	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
SH4401-002	FTA-MW-9-061714	5	16:58	Sb	As	Be	Cd	Cr	Co	Cu	Pb		Ni	Se	Ag	Tl	V						
SH4401-003	FTA-MW-9-061714	5	17:01	Sb	As	Be	Cd	Cr	Co	Cu	Pb		Ni	Se	Ag	Tl	V						
SH4401-004	FTA-MW-10-061714	5	17:05	Sb	As	Be	Cd	Cr	Co	Cu	Pb		Ni	Se	Ag	Tl	V						
SH4401-005	FTA-MW-10-061714	5	17:08	Sb	As	Be	Cd	Cr	Co	Cu	Pb		Ni	Se	Ag	Tl	V						
SH4401-006	FTA-MW-11-061714	5	17:12	Sb	As	Be	Cd	Cr	Co	Cu	Pb		Ni	Se	Ag	Tl	V						
SH4401-007	FTA-MW-11-061714	5	17:15	Sb	As	Be	Cd	Cr	Co	Cu	Pb		Ni	Se	Ag	Tl	V						
SH4401-007L	FTA-MW-11-061714L	25	17:18	Sb	As	Be	Cd	Cr	Co	Cu	Pb		Ni	Se	Ag	Tl	V						
SH4401-007A	FTA-MW-11-061714A	5	17:22	Sb	As	Be	Cd	Cr	Co	Cu	Pb		Ni	Se	Ag	Tl	V						
SH4401-007S	FTA-MW-11-061714S	5	17:25	Sb	As	Be	Cd	Cr	Co	Cu	Pb		Ni	Se	Ag	Tl	V						
SH4401-007P	FTA-MW-11-061714P	5	17:29	Sb	As	Be	Cd	Cr	Co	Cu	Pb		Ni	Se	Ag	Tl	V						
CCV		1	17:32	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
CCB		1	17:36	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
SH4401-008	FTA-MW-12-061714	5	17:39	Sb	As		Cd	Cr	Co	Cu	Pb		Ni	Se	Ag	Tl	V						
SH4401-009	FTA-MW-12-061714	5	17:43	Sb	As		Cd	Cr	Co	Cu	Pb		Ni	Se	Ag	Tl	V						
SH4401-010	FTA-MW-5-061814	5	17:46	Sb	As		Cd	Cr	Co	Cu	Pb		Ni	Se	Ag	Tl	V						
SH4401-011	FTA-MW-5-061814	5	17:50	Sb	As		Cd	Cr	Co	Cu	Pb		Ni	Se	Ag	Tl	V						
SH4401-012	FTA-MW-203-061814	5	17:53	Sb	As		Cd	Cr	Co	Cu	Pb		Ni	Se	Ag	Tl	V						
SH4401-013	FTA-MW-203-061814	5	17:57	Sb	As		Cd	Cr	Co	Cu	Pb		Ni	Se	Ag	Tl	V						

14
ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Instrument ID: AGILENT 7500 ICP-MS

File Name: JHG01A

Date: 7/1/2014

Method: MS

Lab Sample ID	Client ID	D.F.	Time	Elements																			
SH4401-014	FTA-GW-DUP01-061814	5	18:00	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl		V		
SH4401-015	FTA-GW-DUP01-061814	5	18:03	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl		V		
SH4401-016	FTA-MW-218-061814	5	18:07	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl		V		
SH4401-017	FTA-MW-218-061814	5	18:10	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl		V		
CCV		1	18:14	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
CCB		1	18:17	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
SH4401-018	FTA-MW-206-061814	5	18:21	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl		V		
PBWHF23IMW2		5	18:24	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl		V		
LCSWHF23IMW2		5	18:28	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl		V		
SH4401-019	FTA-MW-206-061814	5	18:31	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl		V		
SH4401-019L	FTA-MW-206-061814L	25	18:35	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl		V		
SH4401-019A	FTA-MW-206-061814A	5	18:38	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl		V		
SH4401-019S	FTA-MW-206-061814S	5	18:42	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl		V		
SH4401-019P	FTA-MW-206-061814P	5	18:45	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl		V		
SH4401-020	FTA-MW-14-061714	5	18:49	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl		V		
SH4401-021	FTA-MW-14-061714	5	18:52	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl		V		
CCV		1	18:56	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
CCB		1	18:59	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V

14
ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Instrument ID: AGILENT 7500 ICP-MS

File Name: JHG02A

Date: 7/2/2014

Method: MS

Lab Sample ID	Client ID	D.F.	Time	Elements																			
6020 Tune		1	14:46																				
200.8 Tune		1	14:49																				
Cal Blank		1	15:17	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
Cal Std 1		1	15:20	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
Cal Std 2		1	15:23	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
Cal Std 3		1	15:26	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
Cal Std 4		1	15:29	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
ICV		1	15:33	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
ICB		1	15:36	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
PQL		1	15:39	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
ICSA		1	15:42	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
ICSAB		1	15:46	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
ZZZZZZ		1	15:49																				
CCV		1	15:52	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
CCB		1	15:56	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
ZZZZZZ		1	15:59																				
PBWHF24IMW1		5	16:02		Sb	As	Be	Cd		Cr	Co	Cu		Pb			Ni		Se	Ag		Tl	V
LCSWHF24IMW1		5	16:06		Sb	As	Be	Cd		Cr	Co	Cu		Pb			Ni		Se	Ag		Tl	V
SH4521-002	FTA-MW-208-061814	5	16:09		Sb	As	Be	Cd		Cr	Co	Cu		Pb			Ni		Se	Ag		Tl	V
SH4521-003	FTA-MW-208-061814	5	16:12		Sb	As	Be	Cd		Cr	Co	Cu		Pb			Ni		Se	Ag		Tl	V
SH4521-004	FTA-MW-1-061814	5	16:15		Sb	As	Be	Cd		Cr	Co	Cu		Pb			Ni		Se	Ag		Tl	V
SH4521-005	FTA-MW-1-061814	5	16:19		Sb	As	Be	Cd		Cr	Co	Cu		Pb			Ni		Se	Ag		Tl	V
SH4521-006	FTA-GW-DUP02-061814	5	16:22		Sb	As	Be	Cd		Cr	Co	Cu		Pb			Ni		Se	Ag		Tl	V
SH4521-007	FTA-GW-DUP02-061814	5	16:25		Sb	As	Be	Cd		Cr	Co	Cu		Pb			Ni		Se	Ag		Tl	V
SH4521-009	FTA-MW-210-061814	5	16:29		Sb	As	Be	Cd		Cr	Co	Cu		Pb			Ni		Se	Ag		Tl	V
CCV		1	16:32	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
CCB		1	16:35	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V

14
ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Instrument ID: AGILENT 7500 ICP-MS

File Name: JHG02A

Date: 7/2/2014

Method: MS

Lab Sample ID	Client ID	D.F.	Time	Elements																			
SH4521-009L	FTA-MW-210-061814L	25	16:38	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl			V	
SH4521-009A	FTA-MW-210-061814A	5	16:42	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl			V	
SH4521-009S	FTA-MW-210-061814S	5	16:45	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl			V	
SH4521-009P	FTA-MW-210-061814P	5	16:48	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl			V	
SH4521-010	FTA-SW-01-061914	5	16:52	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl			V	
SH4521-011	FTA-SW-01-061914	5	16:55	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl			V	
SH4521-012	FTA-SW-02-061914	5	16:58	Sb				Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl			V	
SH4521-013	FTA-SW-02-061914	5	17:01	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl			V	
SH4521-014	FTA-SW-03-061914	5	17:05	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl			V	
SH4521-014L	FTA-SW-03-061914L	25	17:08	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl			V	
CCV		1	17:11	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
CCB		1	17:15	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
SH4521-014A	FTA-SW-03-061914A	5	17:18	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl			V	
SH4521-014S	FTA-SW-03-061914S	5	17:21	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl			V	
SH4521-014P	FTA-SW-03-061914P	5	17:25	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl			V	
SH4521-016	FTA-SW-06-061914	5	17:28	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl			V	
SH4521-017	FTA-SW-06-061914	5	17:31	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl			V	
SH4521-018	FTA-SW-07-061914	5	17:35	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl			V	
SH4521-019	FTA-SW-07-061914	5	17:38	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl			V	
SH4521-020	FTA-SW-08-061914	5	17:42	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl			V	
SH4521-024	FTA-SD-RB01-062014	5	17:45	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl			V	
PBWHF24IMW2		5	17:48	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl			V	
CCV		1	17:52	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
CCB		1	17:55	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
LCSWHF24IMW2		5	17:58	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl			V	
SH4521-008	FTA-MW-210-061814	5	18:02	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl			V	
SH4521-008L	FTA-MW-210-061814L	25	18:05	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl			V	

14
ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Instrument ID: AGILENT 7500 ICP-MS

File Name: JHG02A

Date: 7/2/2014

Method: MS

Lab Sample ID	Client ID	D.F.	Time	Elements																			
SH4521-008A	FTA-MW-210-061814A	5	18:09	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl			V	
SH4521-008S	FTA-MW-210-061814S	5	18:12	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl			V	
SH4521-008P	FTA-MW-210-061814P	5	18:16	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl			V	
SH4521-015	FTA-SW-03-061914	5	18:19	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl			V	
SH4521-015L	FTA-SW-03-061914L	25	18:23	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl			V	
SH4521-015A	FTA-SW-03-061914A	5	18:26	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl			V	
SH4521-015S	FTA-SW-03-061914S	5	18:30	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl			V	
CCV		1	18:33	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
CCB		1	18:36	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
SH4521-015P	FTA-SW-03-061914P	5	18:40	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl			V	
SH4521-021	FTA-SW-08-061914	5	18:43	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl			V	
SH4521-022	FTA-SW-DUP01-061914	5	18:47	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl			V	
SH4521-023	FTA-SW-DUP01-061914	5	18:50	Sb	As			Cd	Cr	Co	Cu	Pb			Ni	Se	Ag		Tl			V	
ZZZZZZ		5	18:54																				
ZZZZZZ		5	18:57																				
ZZZZZZ		5	19:00																				
ZZZZZZ		5	19:04																				
CCV		1	19:07	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V
CCB		1	19:11	Al	Sb	As	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	K	Se	Ag	Na	Tl	V

14
ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Instrument ID: AGILENT 7500 ICP-MS

File Name: JHG03A

Date: 7/3/2014

Method: MS

Lab Sample ID	Client ID	D.F.	Time					Elements				
Cal Blank		1	17:33	Al	As	Be	Ca	Fe	Mg	Mo	K	Na
Cal Std 1		1	17:36	Al	As	Be	Ca	Fe	Mg	Mo	K	Na
Cal Std 2		1	17:39	Al	As	Be	Ca	Fe	Mg	Mo	K	Na
Cal Std 3		1	17:42	Al	As	Be	Ca	Fe	Mg	Mo	K	Na
Cal Std 4		1	17:45	Al	As	Be	Ca	Fe	Mg	Mo	K	Na
ICV		1	17:48	Al	As	Be	Ca	Fe	Mg	Mo	K	Na
ICB		1	17:51	Al	As	Be	Ca	Fe	Mg	Mo	K	Na
PQL		1	17:54	Al	As	Be	Ca	Fe	Mg	Mo	K	Na
ICSA		1	17:58	Al	As	Be	Ca	Fe	Mg	Mo	K	Na
ICSAB		1	18:01	Al	As	Be	Ca	Fe	Mg	Mo	K	Na
ZZZZZZ		1	18:05									
CCV		1	18:08	Al	As	Be	Ca	Fe	Mg	Mo	K	Na
CCB		1	18:11	Al	As	Be	Ca	Fe	Mg	Mo	K	Na
ZZZZZZ		1	18:14									
SH4401-008	FTA-MW-12-061714	5	18:17			Be						
SH4401-009	FTA-MW-12-061714	5	18:21			Be						
SH4401-010	FTA-MW-5-061814	5	18:24			Be						
SH4401-011	FTA-MW-5-061814	5	18:27			Be						
SH4401-012	FTA-MW-203-061814	5	18:30			Be						
SH4401-013	FTA-MW-203-061814	5	18:34			Be						
SH4401-014	FTA-GW-DUP01-061814	5	18:37			Be						
SH4401-015	FTA-GW-DUP01-061814	5	18:40			Be						
SH4401-016	FTA-MW-218-061814	5	18:43			Be						
CCV		1	18:47	Al	As	Be	Ca	Fe	Mg	Mo	K	Na
CCB		1	18:50	Al	As	Be	Ca	Fe	Mg	Mo	K	Na
SH4401-017	FTA-MW-218-061814	5	18:53			Be						
SH4401-018	FTA-MW-206-061814	5	18:57			Be						

14
ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Instrument ID: AGILENT 7500 ICP-MS

File Name: JHG03A

Date: 7/3/2014

Method: MS

Lab Sample ID	Client ID	D.F.	Time	Elements																
PBWHF23IMW2		5	19:00	Be																
LCSWHF23IMW2		5	19:03	Be																
SH4401-019	FTA-MW-206-061814	5	19:06	Be																
SH4401-019L	FTA-MW-206-061814L	25	19:10	Be																
SH4401-019A	FTA-MW-206-061814A	5	19:13	Be																
SH4401-019S	FTA-MW-206-061814S	5	19:16	Be																
SH4401-019P	FTA-MW-206-061814P	5	19:20	Be																
SH4401-020	FTA-MW-14-061714	5	19:23	Be																
CCV		1	19:26	Al	As	Be	Ca		Fe	Mg	Mo	K	Na							
CCB		1	19:30	Al	As	Be	Ca		Fe	Mg	Mo	K	Na							
SH4401-021	FTA-MW-14-061714	5	19:33	Be																
SH4521-009L	FTA-MW-210-061814L	25	19:36	Be																
SH4521-009A	FTA-MW-210-061814A	5	19:40	Be																
SH4521-009S	FTA-MW-210-061814S	5	19:43	Be																
SH4521-009P	FTA-MW-210-061814P	5	19:46	Be																
SH4521-010	FTA-SW-01-061914	5	19:50	Be																
SH4521-011	FTA-SW-01-061914	5	19:53	Be																
SH4521-012	FTA-SW-02-061914	5	19:57		As	Be														
SH4521-013	FTA-SW-02-061914	5	20:00	Be																
SH4521-014	FTA-SW-03-061914	5	20:04	Be																
CCV		1	20:07	Al	As	Be	Ca		Fe	Mg	Mo	K	Na							
CCB		1	20:10	Al	As	Be	Ca		Fe	Mg	Mo	K	Na							
SH4521-014L	FTA-SW-03-061914L	25	20:14	Be																
SH4521-014A	FTA-SW-03-061914A	5	20:17	Be																
SH4521-014S	FTA-SW-03-061914S	5	20:20	Be																
SH4521-014P	FTA-SW-03-061914P	5	20:24	Be																
SH4521-016	FTA-SW-06-061914	5	20:27	Be																

14
ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Instrument ID: AGILENT 7500 ICP-MS

File Name: JHG03A

Date: 7/3/2014

Method: MS

Lab Sample ID	Client ID	D.F.	Time	Elements									
SH4521-017	FTA-SW-06-061914	5	20:31	Be									
SH4521-018	FTA-SW-07-061914	5	20:34	Be									
SH4521-019	FTA-SW-07-061914	5	20:38	Be									
SH4521-020	FTA-SW-08-061914	5	20:41	Be									
SH4521-024	FTA-SD-RB01-062014	5	20:45	Be									
CCV		1	20:48	Al	As	Be	Ca	Fe	Mg	Mo	K	Na	
CCB		1	20:52	Al	As	Be	Ca	Fe	Mg	Mo	K	Na	

14
ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Instrument ID: AGILENT 7500 ICP-MS

File Name: JHG05A

Date: 7/5/2014

Method: MS

Lab Sample ID	Client ID	D.F.	Time	Elements							
6020 Tune		1	13:49								
200.8 Tune		1	13:52								
Cal Blank		1	14:20	Al	Be	Ca	Fe	Mg	Mo	K	Na
Cal Std 1		1	14:24	Al	Be	Ca	Fe	Mg	Mo	K	Na
Cal Std 2		1	14:27	Al	Be	Ca	Fe	Mg	Mo	K	Na
Cal Std 3		1	14:30	Al	Be	Ca	Fe	Mg	Mo	K	Na
Cal Std 4		1	14:33	Al	Be	Ca	Fe	Mg	Mo	K	Na
ICV		1	14:36	Al	Be	Ca	Fe	Mg	Mo	K	Na
ICB		1	14:39	Al	Be	Ca	Fe	Mg	Mo	K	Na
PQL		1	14:42	Al	Be	Ca	Fe	Mg	Mo	K	Na
ICSA		1	14:45	Al	Be	Ca	Fe	Mg	Mo	K	Na
ICSAB		1	14:49	Al	Be	Ca	Fe	Mg	Mo	K	Na
ZZZZZZ		1	14:53								
CCV		1	14:56	Al	Be	Ca	Fe	Mg	Mo	K	Na
CCB		1	14:59	Al	Be	Ca	Fe	Mg	Mo	K	Na
PBWHF24IMW2		5	15:02								
LCSWHF24IMW2		5	15:05								
SH4521-008	FTA-MW-210-061814	5	15:09								
SH4521-008L	FTA-MW-210-061814L	25	15:12								
SH4521-008A	FTA-MW-210-061814A	5	15:15								
SH4521-008S	FTA-MW-210-061814S	5	15:18								
SH4521-008P	FTA-MW-210-061814P	5	15:22								
SH4521-015	FTA-SW-03-061914	5	15:25								
SH4521-015L	FTA-SW-03-061914L	25	15:28								
SH4521-015A	FTA-SW-03-061914A	5	15:32								
CCV		1	15:35	Al	Be	Ca	Fe	Mg	Mo	K	Na
CCB		1	15:38	Al	Be	Ca	Fe	Mg	Mo	K	Na

14
ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services

SDG Name: WE53-7

Instrument ID: AGILENT 7500 ICP-MS

File Name: JHG05A

Date: 7/5/2014

Method: MS

Lab Sample ID	Client ID	D.F.	Time	Elements							
SH4521-015S	FTA-SW-03-061914S	5	15:41	Be							
SH4521-015P	FTA-SW-03-061914P	5	15:45	Be							
SH4521-021	FTA-SW-08-061914	5	15:48	Be							
SH4521-022	FTA-SW-DUP01-061914	5	15:51	Be							
SH4521-023	FTA-SW-DUP01-061914	5	15:54	Be							
ZZZZZZ		5	15:58								
ZZZZZZ		5	16:01								
ZZZZZZ		5	16:04								
ZZZZZZ		5	16:08								
ZZZZZZ		5	16:11								
CCV		1	16:14	Al	Be	Ca	Fe	Mg	Mo	K	Na
CCB		1	16:18	Al	Be	Ca	Fe	Mg	Mo	K	Na

Raw Data Section

KATAHDIN ANALYTICAL SERVICES, INC.

METALS ANALYSIS RUN INFORMATION SHEET

INSTR. ID: Cetac M6100 (H)

ANALYST: MM

DATE: 6-27-14

FILE NAME: HH527B

METHOD: CVAA

REVIEWED

245.1

92-06-30-14

Analyte : Mercury

7470

KATAHDIN ANALYTICAL
METALS SECTION

CLP

Other (List): _____

SnCl₂ : MR1352

STANDARDS USED:

Standard Name	Standard ID	Prep Date	Expiration Date	Standard Conc.
CalBlank/ICB/CCB	<u>N/A</u>	<u>6-26-14</u>	<u>7-17-14</u>	0.00 ug/L
Standard #1 / PQL	↓	↓	↓	0.20 ug/L
Standard #2	↓	↓	↓	0.50 ug/L
Standard #3	↓	↓	↓	1.00 ug/L
Standard #4 / CCV	↓	↓	↓	5.00 ug/L
Standard #5	↓	↓	↓	10.00 ug/L
ICV	↓	↓	↓	<u>6.00 ug/L</u>
<u>MM 6-29-14</u>				

Additional Comments and Notes:

92-06-30-14

INSTRUMENT RUNLOG

Instrument: CETAC M6100

SAMPLE ID	DF	FILE	DATE	TIME	ANALYST
Calibration Blank	1.0000	HHF27B	6/27/2014	14:40	HHM
Standard #1 (0.2 ppb)	1.0000	HHF27B	6/27/2014	14:43	HHM
Standard #2 (0.5 ppb)	1.0000	HHF27B	6/27/2014	14:45	HHM
Standard #3 (1.0 ppb)	1.0000	HHF27B	6/27/2014	14:47	HHM
Standard #4 (5.0 ppb)	1.0000	HHF27B	6/27/2014	14:49	HHM
Standard #5 (10.0 ppb)	1.0000	HHF27B	6/27/2014	14:51	HHM
ICV	1.0000	HHF27B	6/27/2014	14:55	HHM
ICB	1.0000	HHF27B	6/27/2014	14:57	HHM
PQL	1.0000	HHF27B	6/27/2014	15:02	HHM
CCV	1.0000	HHF27B	6/27/2014	15:04	HHM
CCB	1.0000	HHF27B	6/27/2014	15:06	HHM
SH4479-002T	1.0000	HHF27B	6/27/2014	15:08	HHM
SH4479-002TL	5.0000	HHF27B	6/27/2014	15:10	HHM
SH4479-002TP	1.0000	HHF27B	6/27/2014	15:12	HHM
SH4479-002TS	1.0000	HHF27B	6/27/2014	15:14	HHM
SH4463-008S	1.0000	HHF27B	6/27/2014	15:17	HHM
LCSWHF26HGW1	1.0000	HHF27B	6/27/2014	15:19	HHM
PBWHF26HGW1	1.0000	HHF27B	6/27/2014	15:21	HHM
SH4610-001	1.0000	HHF27B	6/27/2014	15:23	HHM
SH4610-003	1.0000	HHF27B	6/27/2014	15:25	HHM
CCV	1.0000	HHF27B	6/27/2014	15:27	HHM
CCB	1.0000	HHF27B	6/27/2014	15:29	HHM
SH4610-005	1.0000	HHF27B	6/27/2014	15:31	HHM
SH4610-007	1.0000	HHF27B	6/27/2014	15:34	HHM
SH4610-009	1.0000	HHF27B	6/27/2014	15:36	HHM
SH4610-011	1.0000	HHF27B	6/27/2014	15:38	HHM
SH4610-013	1.0000	HHF27B	6/27/2014	15:40	HHM
LCSWHF26HGW2	1.0000	HHF27B	6/27/2014	15:42	HHM
PBWHF26HGW2	1.0000	HHF27B	6/27/2014	15:44	HHM
SH4256-001	1.0000	HHF27B	6/27/2014	15:46	HHM
SH4256-003	1.0000	HHF27B	6/27/2014	15:48	HHM
SH4256-005	1.0000	HHF27B	6/27/2014	15:51	HHM
CCV	1.0000	HHF27B	6/27/2014	15:53	HHM
CCB	1.0000	HHF27B	6/27/2014	15:55	HHM
SH4256-007	1.0000	HHF27B	6/27/2014	15:57	HHM
SH4256-009	1.0000	HHF27B	6/27/2014	15:59	HHM
SH4353-001T	1.0000	HHF27B	6/27/2014	16:01	HHM
SH4553-001T	1.0000	HHF27B	6/27/2014	16:03	HHM
SH4594-001	1.0000	HHF27B	6/27/2014	16:05	HHM
SH4594-002	1.0000	HHF27B	6/27/2014	16:08	HHM
SH4594-003	1.0000	HHF27B	6/27/2014	16:10	HHM
SH4594-004	1.0000	HHF27B	6/27/2014	16:12	HHM
SH4594-004L	5.0000	HHF27B	6/27/2014	16:14	HHM
SH4594-004P	1.0000	HHF27B	6/27/2014	16:16	HHM

SAMPLE ID	DF	FILE	DATE	TIME	ANALYST
CCV	1.0000	HHF27B	6/27/2014	16:18	HHM
CCB	1.0000	HHF27B	6/27/2014	16:20	HHM
SH4594-004S	1.0000	HHF27B	6/27/2014	16:23	HHM
SH4595-001T	1.0000	HHF27B	6/27/2014	16:25	HHM
SH4595-003T	1.0000	HHF27B	6/27/2014	16:27	HHM
LCSWHF26HGW3	1.0000	HHF27B	6/27/2014	16:29	HHM
PBWHF26HGW3	1.0000	HHF27B	6/27/2014	16:31	HHM
SH4256-011	1.0000	HHF27B	6/27/2014	16:33	HHM
SH4256-013	1.0000	HHF27B	6/27/2014	16:35	HHM
SH4256-015	1.0000	HHF27B	6/27/2014	16:38	HHM
SH4256-017	1.0000	HHF27B	6/27/2014	16:40	HHM
SH4256-037	1.0000	HHF27B	6/27/2014	16:42	HHM
CCV	1.0000	HHF27B	6/27/2014	16:44	HHM
CCB	1.0000	HHF27B	6/27/2014	16:46	HHM
SH4401-002	1.0000	HHF27B	6/27/2014	16:48	HHM
SH4401-004	1.0000	HHF27B	6/27/2014	16:50	HHM
SH4401-006	1.0000	HHF27B	6/27/2014	16:53	HHM
SH4401-008	1.0000	HHF27B	6/27/2014	16:55	HHM
SH4401-010	1.0000	HHF27B	6/27/2014	16:57	HHM
SH4401-012	1.0000	HHF27B	6/27/2014	16:59	HHM
SH4401-014	1.0000	HHF27B	6/27/2014	17:01	HHM
SH4401-016	1.0000	HHF27B	6/27/2014	17:03	HHM
SH4401-018	1.0000	HHF27B	6/27/2014	17:06	HHM
SH4401-020	1.0000	HHF27B	6/27/2014	17:08	HHM
CCV	1.0000	HHF27B	6/27/2014	17:10	HHM
CCB	1.0000	HHF27B	6/27/2014	17:12	HHM
SH4521-002	1.0000	HHF27B	6/27/2014	17:14	HHM
SH4521-004	1.0000	HHF27B	6/27/2014	17:16	HHM
SH4521-006	1.0000	HHF27B	6/27/2014	17:19	HHM
SH4521-008	1.0000	HHF27B	6/27/2014	17:21	HHM
SH4521-008L	5.0000	HHF27B	6/27/2014	17:23	HHM
SH4521-008A	1.0000	HHF27B	6/27/2014	17:25	HHM
SH4521-008P	1.0000	HHF27B	6/27/2014	17:27	HHM
SH4521-008S	1.0000	HHF27B	6/27/2014	17:29	HHM
SH4521-010	1.0000	HHF27B	6/27/2014	17:32	HHM
CCV	1.0000	HHF27B	6/27/2014	17:34	HHM
CCB	1.0000	HHF27B	6/27/2014	17:36	HHM

Report Generated By CETAC QuickTrace

Analyst: metals

Worksheet file: C:\Program Files\QuickTrace\Worksheets\HHF27B.wsz

Date Started: 6/27/2014 2:37:22 PM

Comment:

Results

Sample Name	Type	Date/Time	Conc (ug/L)	μAbs	%RSD	Flags	DF
Calibration Blank	STD	06/27/14 02:40:58 pm	0.000	-11	289.17		1.00
Replicates				-34.8	19.4	-40.3	12.7
Standard #1 (0.2 ppb)	STD	06/27/14 02:43:04 pm	0.200	676	2.96		1.00
Replicates				672.9	679.4	652.4	701.0
Standard #2 (0.5 ppb)	STD	06/27/14 02:45:10 pm	0.500	1902	1.57		1.00
Replicates				1943.5	1874.5	1901.2	1887.8
Standard #3 (1.0 ppb)	STD	06/27/14 02:47:17 pm	1.000	3410	1.11		1.00
Replicates				3451.4	3361.6	3424.3	3403.3
Standard #4 (5.0 ppb)	STD	06/27/14 02:49:24 pm	5.000	18055	5.15		1.00
Replicates				19314.8	18189.4	17461.0	17255.7
Standard #5 (10.0 ppb)	STD	06/27/14 02:51:32 pm	10.000	37379	0.46		1.00
Replicates				37594.3	37414.6	37320.6	37187.7

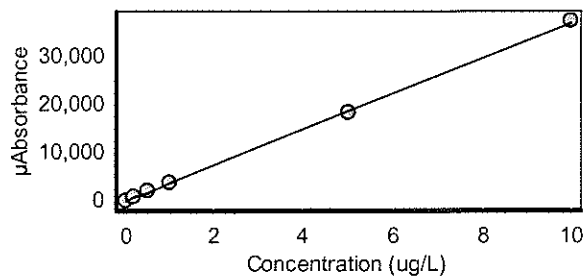
Calibration

Equation: $A = -144.752 + 3729.376C$

R2: 0.99969

SEE: 291.4914

Flags:



ICV	ICV	06/27/14 02:55:47 pm	5.698	21106	0.36		1.00
Replicates				21161.2	21158.9	21104.4	21000.6
% Recovery				94.97			
ICB	ICB	06/27/14 02:57:53 pm	0.032	-24	158.55		1.00
Replicates				-78.0	10.5	-13.1	-15.0

Sample Name				Type	Date/Time	Conc (ug/L)	μAbs	%RSD	Flags	DF
PQL				CRDL	06/27/14 03:02:17 pm	0.216	660	2.60		1.00
Replicates	644.1	665.9	681.9	649.2						
% Recovery	107.93									
CCV				CCV	06/27/14 03:04:24 pm	4.762	17614	0.47		1.00
Replicates	17719.1	17567.9	17636.4	17532.7						
% Recovery	95.24									
CCB				CCB	06/27/14 03:06:29 pm	0.023	-58	46.88		1.00
Replicates	-18.9	-81.4	-69.0	-62.7						
SH4479-002T				UNK	06/27/14 03:08:36 pm	0.045	23	102.10		1.00
Replicates	2.8	4.1	50.5	34.8						
SH4479-002TL				UNK	06/27/14 03:10:42 pm	0.200	4	798.49		5.00
Replicates	-33.6	-5.1	47.7	7.9						
SH4479-002TP				UNK	06/27/14 03:12:49 pm	1.361	4932	0.89		1.00
Replicates	4916.7	4927.5	4993.7	4891.0						
SH4479-002TS				UNK	06/27/14 03:14:57 pm	1.376	4986	0.40		1.00
Replicates	4990.6	5010.9	4979.4	4963.4						
SH4463-008S				UNK	06/27/14 03:17:04 pm	1.209	4366	4.48		1.00
Replicates	4098.2	4345.5	4480.8	4537.8						
LCSWHF26HGW1				LCS	06/27/14 03:19:11 pm	4.891	18095	0.42		1.00
Replicates	18199.1	18074.5	18088.5	18019.5						
% Recovery	97.82									
PBWHF26HGW1				PBK	06/27/14 03:21:18 pm	0.033	-23	102.71		1.00
Replicates	-34.1	9.0	-45.0	-20.7						
SH4610-001				UNK	06/27/14 03:23:25 pm	0.050	43	34.67		1.00
Replicates	41.5	30.1	36.7	64.6						
SH4610-003				UNK	06/27/14 03:25:33 pm	0.053	51	21.62		1.00
Replicates	67.4	44.6	50.2	43.2						

Sample Name				Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Flags	DF
CCV				CCV	06/27/14 03:27:40 pm	4.744	17549	0.78		1.00
Replicates	17735.8	17544.2	17501.0	17413.0						
% Recovery	94.89									
CCB				CCB	06/27/14 03:29:46 pm	0.045	23	54.60		1.00
Replicates	7.5	38.2	23.5	22.5						
SH4610-005				UNK	06/27/14 03:31:54 pm	0.059	74	46.98		1.00
Replicates	70.0	42.7	60.0	123.3						
SH4610-007				UNK	06/27/14 03:34:01 pm	0.088	183	11.03		1.00
Replicates	172.1	187.2	164.2	210.2						
SH4610-009				UNK	06/27/14 03:36:08 pm	0.052	50	33.16		1.00
Replicates	28.7	64.8	45.8	62.0						
SH4610-011				UNK	06/27/14 03:38:16 pm	0.064	93	21.49		1.00
Replicates	116.2	92.1	67.6	97.6						
SH4610-013				UNK	06/27/14 03:40:24 pm	0.076	138	6.56		1.00
Replicates	139.0	124.9	140.7	146.0						
LCSWHF26HGW2				LCS	06/27/14 03:42:32 pm	4.903	18141	0.57		1.00
Replicates	18292.5	18106.1	18109.4	18056.6						
% Recovery	98.06									
PBWHF26HGW2				PBK	06/27/14 03:44:40 pm	0.031	-31	49.95		1.00
Replicates	-38.6	-8.0	-34.9	-41.2						
SH4256-001				UNK	06/27/14 03:46:47 pm	0.054	56	35.90		1.00
Replicates	69.9	33.3	75.3	44.8						
SH4256-003				UNK	06/27/14 03:48:55 pm	0.033	-20	68.58		1.00
Replicates	-31.4	-3.9	-13.8	-32.9						
SH4256-005				UNK	06/27/14 03:51:04 pm	0.040	3	768.09		1.00
Replicates	33.6	-11.9	-19.2	9.9						

Sample Name				Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Flags	DF
CCV				CCV	06/27/14 03:53:11 pm	5.151	19067	0.37		1.00
Replicates	19036.7	19120.1	19130.6	18981.1						
% Recovery	103.03									
CCB				CCB	06/27/14 03:55:17 pm	0.043	14	72.98		1.00
Replicates	23.0	0.1	19.1	12.8						
SH4256-007				UNK	06/27/14 03:57:25 pm	0.036	-12	245.80		1.00
Replicates	-15.4	6.8	13.0	-52.4						
SH4256-009				UNK	06/27/14 03:59:33 pm	0.043	14	135.03		1.00
Replicates	25.3	-6.8	33.0	3.5						
SH4353-001T				UNK	06/27/14 04:01:41 pm	0.035	-15	77.58		1.00
Replicates	-20.3	-8.0	-29.5	-3.4						
SH4553-001T				UNK	06/27/14 04:03:49 pm	0.031	-28	61.14		1.00
Replicates	-27.8	-47.9	-6.0	-30.5						
SH4594-001				UNK	06/27/14 04:05:58 pm	0.030	-33	121.18		1.00
Replicates	-51.3	-65.5	25.0	-40.2						
SH4594-002				UNK	06/27/14 04:08:07 pm	0.038	-3	054.56		1.00
Replicates	-34.2	43.6	-28.8	5.7						
SH4594-003				UNK	06/27/14 04:10:15 pm	0.031	-30	30.40		1.00
Replicates	-27.1	-23.3	-43.8	-26.8						
SH4594-004				UNK	06/27/14 04:12:23 pm	0.038	-3	634.40		1.00
Replicates	21.1	-15.0	2.6	-20.5						
SH4594-004L				UNK	06/27/14 04:14:32 pm	0.232	28	149.56		5.00
Replicates	1.1	-14.5	76.9	49.9						
SH4594-004P				UNK	06/27/14 04:16:41 pm	1.056	3795	1.61		1.00
Replicates	3866.8	3823.9	3754.3	3735.8						

Sample Name				Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Flags	DF
CCV				CCV	06/27/14 04:18:49 pm	4.757	17594	0.37		1.00
Replicates	17669.2	17575.9	17617.4	17514.9						
% Recovery	95.13									
CCB				CCB	06/27/14 04:20:54 pm	0.029	-36	71.11		1.00
Replicates	-27.2	-4.7	-63.4	-49.7						
SH4594-004S				UNK	06/27/14 04:23:03 pm	1.051	3776	1.57		1.00
Replicates	3847.2	3786.1	3766.9	3703.1						
SH4595-001T				UNK	06/27/14 04:25:12 pm	0.054	56	34.81		1.00
Replicates	69.5	62.3	27.2	65.7						
SH4595-003T				UNK	06/27/14 04:27:20 pm	0.058	72	46.14		1.00
Replicates	58.7	68.5	41.7	118.8						
LCSWHF26HGW3				LCS	06/27/14 04:29:29 pm	4.739	17530	0.76		1.00
Replicates	17720.5	17523.2	17429.7	17446.5						
% Recovery	94.79									
PBWHF26HGW3				PBK	06/27/14 04:31:39 pm	0.034	-17	47.19		1.00
Replicates	-5.4	-22.8	-18.1	-22.3						
SH4256-011				UNK	06/27/14 04:33:48 pm	0.085	174	15.38		1.00
Replicates	165.4	140.3	187.6	201.3						
SH4256-013				UNK	06/27/14 04:35:57 pm	0.047	30	100.32		1.00
Replicates	8.0	61.0	50.6	0.6						
SH4256-015				UNK	06/27/14 04:38:06 pm	0.083	165	11.17		1.00
Replicates	142.5	179.9	157.4	180.2						
SH4256-017				UNK	06/27/14 04:40:16 pm	0.043	15	97.96		1.00
Replicates	-6.6	24.7	19.4	20.7						
SH4256-037				UNK	06/27/14 04:42:25 pm	0.040	4	779.00		1.00
Replicates	1.0	52.9	-7.3	-28.8						

Sample Name				Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Flags	DF
CCV				CCV	06/27/14 04:44:33 pm	4.714	17436	0.45		1.00
Replicates	17547.7	17425.0	17403.3	17367.0						
% Recovery	94.28									
CCB				CCB	06/27/14 04:46:38 pm	0.037	-8	417.55		1.00
Replicates	18.5	-53.7	-7.9	11.9						
SH4401-002				UNK	06/27/14 04:48:48 pm	0.047	29	50.52		1.00
Replicates	27.9	24.5	14.8	49.8						
SH4401-004				UNK	06/27/14 04:50:57 pm	0.044	21	96.03		1.00
Replicates	41.9	-6.7	23.8	25.3						
SH4401-006				UNK	06/27/14 04:53:07 pm	0.035	-13	205.82		1.00
Replicates	24.0	-31.5	-11.2	-32.7						
SH4401-008				UNK	06/27/14 04:55:16 pm	0.043	16	183.34		1.00
Replicates	43.2	27.1	-23.5	15.3						
SH4401-010				UNK	06/27/14 04:57:26 pm	0.038	-2	994.03		1.00
Replicates	10.0	-22.2	-48.5	52.0						
SH4401-012				UNK	06/27/14 04:59:37 pm	0.045	24	100.03		1.00
Replicates	11.1	6.2	19.7	59.0						
SH4401-014				UNK	06/27/14 05:01:46 pm	0.048	34	101.61		1.00
Replicates	15.2	34.8	4.1	82.8						
SH4401-016				UNK	06/27/14 05:03:56 pm	0.042	12	273.71		1.00
Replicates	12.0	45.9	26.4	-34.4						
SH4401-018				UNK	06/27/14 05:06:06 pm	0.040	6	324.32		1.00
Replicates	7.8	-11.0	-5.8	33.5						
SH4401-020				UNK	06/27/14 05:08:16 pm	0.044	21	155.96		1.00
Replicates	5.7	-16.1	56.0	36.5						

Sample Name				Type	Date/Time	Conc (ug/L)	μAbs	%RSD	Flags	DF
CCV				CCV	06/27/14 05:10:24 pm	5.121	18952	0.25		1.00
Replicates	19018.5	18907.1	18940.8	18941.9						
% Recovery	102.41									
CCB				CCB	06/27/14 05:12:29 pm	0.041	10	475.44		1.00
Replicates	73.5	14.1	-9.6	-38.1						
SH4521-002				UNK	06/27/14 05:14:40 pm	0.041	8	337.36		1.00
Replicates	-20.0	12.6	-4.4	44.3						
SH4521-004				UNK	06/27/14 05:16:50 pm	0.038	-5	573.43		1.00
Replicates	-19.6	5.4	-32.7	28.1						
SH4521-006				UNK	06/27/14 05:19:00 pm	0.032	-27	79.74		1.00
Replicates	-36.7	-49.3	1.2	-23.6						
SH4521-008				UNK	06/27/14 05:21:10 pm	0.048	33	50.07		1.00
Replicates	49.2	41.7	12.3	27.2						
SH4521-008L				UNK	06/27/14 05:23:21 pm	0.211	12	270.76		5.00
Replicates	28.7	19.6	38.0	-36.7						
SH4521-008A				UNK	06/27/14 05:25:32 pm	1.043	3744	0.86		1.00
Replicates	3787.8	3720.4	3750.7	3719.0						
SH4521-008P				UNK	06/27/14 05:27:42 pm	1.002	3590	0.74		1.00
Replicates	3581.3	3558.9	3599.6	3621.1						
SH4521-008S				UNK	06/27/14 05:29:52 pm	1.011	3628	1.01		1.00
Replicates	3632.0	3673.5	3619.2	3585.2						
SH4521-010				UNK	06/27/14 05:32:03 pm	0.032	-24	77.03		1.00
Replicates	3.3	-35.5	-28.8	-36.2						
CCV				CCV	06/27/14 05:34:10 pm	4.868	18010	0.38		1.00
Replicates	18102.9	18010.0	17989.5	17937.9						
% Recovery	97.36									

Sample Name				Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Flags	DF
CCB				CCB	06/27/14 05:36:16 pm	0.035	-16	125.72		1.00
Replicates	-17.8	-42.8	-4.8	2.2						

KATAHDIN ANALYTICAL SERVICES, INC. METALS ANALYSIS RUN INFORMATION SHEET

INSTR. ID: Cetac M6100 (H) ANALYST: HTM DATE: 6-30-14

FILE NAME: HA830A METHOD: CVAA

Analyte: Mercury

SnCl_2 : m# 1352

245.1

7470

CLP

Other (List): _____

REVIEWED

Sam 07-01-14
KATAHDIN ANALYTICAL
METALS SECTION

STANDARDS USED:

Standard Name	Standard ID	Prep Date	Expiration Date	Standard Conc.
CalBlank/ICB/CCB	<u>N/A</u>	<u>6-29-14</u>	<u>7-17-14</u>	0.00 ug/L
Standard #1 / PQL				0.20 ug/L
Standard #2				0.50 ug/L
Standard #3				1.00 ug/L
Standard #4 / CCV				5.00 ug/L
Standard #5				10.00 ug/L
ICV				<u>6.00 ug/L</u>
<u>Sam 07-01-14</u>				

Additional Comments and Notes:

CCSWAF29HG2W1 failed high for EPA245.1, all samples
one below the PQL and were accepted.

Sam 07-01-14

INSTRUMENT RUNLOG

Instrument: CETAC M6100

SAMPLE ID	DF	FILE	DATE	TIME	ANALYST
Calibration Blank	1.0000	HHF30A	6/30/2014	11:25	HHM
Standard #1 (0.2 ppb)	1.0000	HHF30A	6/30/2014	11:27	HHM
Standard #2 (0.5 ppb)	1.0000	HHF30A	6/30/2014	11:29	HHM
Standard #3 (1.0 ppb)	1.0000	HHF30A	6/30/2014	11:31	HHM
Standard #4 (5.0 ppb)	1.0000	HHF30A	6/30/2014	11:33	HHM
Standard #5 (10.0 ppb)	1.0000	HHF30A	6/30/2014	11:36	HHM
ICV	1.0000	HHF30A	6/30/2014	11:38	HHM
ICB	1.0000	HHF30A	6/30/2014	11:40	HHM
PQL	1.0000	HHF30A	6/30/2014	11:42	HHM
CCV	1.0000	HHF30A	6/30/2014	11:44	HHM
CCB	1.0000	HHF30A	6/30/2014	11:46	HHM
LCSWHF29HGW1	1.0000	HHF30A	6/30/2014	11:48	HHM
PBWHF29HGW1	1.0000	HHF30A	6/30/2014	11:50	HHM
SH4661-001	1.0000	HHF30A	6/30/2014	11:52	HHM
SH4681-002	1.0000	HHF30A	6/30/2014	11:55	HHM
LCSWHF29HGW2	1.0000	HHF30A	6/30/2014	11:57	HHM
PBWHF29HGW2	1.0000	HHF30A	6/30/2014	11:59	HHM
SH4521-008D	1.0000	HHF30A	6/30/2014	12:01	HHM
SH4521-012	1.0000	HHF30A	6/30/2014	12:03	HHM
SH4521-014	1.0000	HHF30A	6/30/2014	12:05	HHM
CCV	1.0000	HHF30A	6/30/2014	12:07	HHM
CCB	1.0000	HHF30A	6/30/2014	12:09	HHM
SH4521-014L	5.0000	HHF30A	6/30/2014	12:11	HHM
SH4521-014A	1.0000	HHF30A	6/30/2014	12:14	HHM
SH4521-014D	1.0000	HHF30A	6/30/2014	12:16	HHM
SH4521-014S	1.0000	HHF30A	6/30/2014	12:18	HHM
SH4521-016	1.0000	HHF30A	6/30/2014	12:20	HHM
SH4521-018	1.0000	HHF30A	6/30/2014	12:22	HHM
SH4521-020	1.0000	HHF30A	6/30/2014	12:24	HHM
SH4521-021	1.0000	HHF30A	6/30/2014	12:26	HHM
SH4521-023	1.0000	HHF30A	6/30/2014	12:28	HHM
SH4646-001T	1.0000	HHF30A	6/30/2014	12:31	HHM
CCV	1.0000	HHF30A	6/30/2014	12:33	HHM
CCB	1.0000	HHF30A	6/30/2014	12:35	HHM
SH4679-002T	1.0000	HHF30A	6/30/2014	12:37	HHM
SH4681-001	1.0000	HHF30A	6/30/2014	12:39	HHM
SH4695-001T	1.0000	HHF30A	6/30/2014	12:41	HHM
SH4695-003T	1.0000	HHF30A	6/30/2014	12:43	HHM
SH4735-001T1	1.0000	HHF30A	6/30/2014	12:46	HHM
SH4735-001T2	1.0000	HHF30A	6/30/2014	12:49	HHM
LCSWHF29HGW3	1.0000	HHF30A	6/30/2014	12:59	HHM
PBWHF29HGW3	1.0000	HHF30A	6/30/2014	13:05	HHM
SH4401-003	1.0000	HHF30A	6/30/2014	13:07	HHM
SH4401-005	1.0000	HHF30A	6/30/2014	13:09	HHM

SAMPLE ID	DF	FILE	DATE	TIME	ANALYST
CCV	1.0000	HHF30A	6/30/2014	13:12	HHM
CCB	1.0000	HHF30A	6/30/2014	13:14	HHM
SH4401-007	1.0000	HHF30A	6/30/2014	13:16	HHM
SH4401-009	1.0000	HHF30A	6/30/2014	13:18	HHM
SH4401-011	1.0000	HHF30A	6/30/2014	13:20	HHM
SH4401-013	1.0000	HHF30A	6/30/2014	13:22	HHM
SH4401-015	1.0000	HHF30A	6/30/2014	13:24	HHM
SH4401-019	1.0000	HHF30A	6/30/2014	13:27	HHM
SH4401-021	1.0000	HHF30A	6/30/2014	13:29	HHM
SH4521-003	1.0000	HHF30A	6/30/2014	13:31	HHM
SH4521-005	1.0000	HHF30A	6/30/2014	13:33	HHM
SH4521-007	1.0000	HHF30A	6/30/2014	13:35	HHM
CCV	1.0000	HHF30A	6/30/2014	13:37	HHM
CCB	1.0000	HHF30A	6/30/2014	13:39	HHM
SH4521-009	1.0000	HHF30A	6/30/2014	13:42	HHM
SH4521-009L	5.0000	HHF30A	6/30/2014	13:44	HHM
SH4521-009A	1.0000	HHF30A	6/30/2014	13:46	HHM
SH4521-009D	1.0000	HHF30A	6/30/2014	13:48	HHM
SH4521-009S	1.0000	HHF30A	6/30/2014	13:50	HHM
SH4521-011	1.0000	HHF30A	6/30/2014	13:52	HHM
SH4521-013	1.0000	HHF30A	6/30/2014	13:55	HHM
SH4521-015	1.0000	HHF30A	6/30/2014	13:57	HHM
SH4521-015L	5.0000	HHF30A	6/30/2014	13:59	HHM
SH4521-015A	1.0000	HHF30A	6/30/2014	14:01	HHM
CCV	1.0000	HHF30A	6/30/2014	14:03	HHM
CCB	1.0000	HHF30A	6/30/2014	14:08	HHM
SH4521-015D	1.0000	HHF30A	6/30/2014	14:10	HHM
SH4521-015S	1.0000	HHF30A	6/30/2014	14:12	HHM
SH4521-017	1.0000	HHF30A	6/30/2014	14:15	HHM
SH4521-022	1.0000	HHF30A	6/30/2014	14:17	HHM
SH4521-024	1.0000	HHF30A	6/30/2014	14:19	HHM
SH4401-017	1.0000	HHF30A	6/30/2014	14:21	HHM
PBT1169A	1.0000	HHF30A	6/30/2014	14:23	HHM
PBT1170A	1.0000	HHF30A	6/30/2014	14:25	HHM
SH4735-001T1	5.0000	HHF30A	6/30/2014	14:28	HHM
SH4735-001T2	40.0000	HHF30A	6/30/2014	14:30	HHM
CCV	1.0000	HHF30A	6/30/2014	14:34	HHM
CCB	1.0000	HHF30A	6/30/2014	14:36	HHM
IDL06302014-001	1.0000	HHF30A	6/30/2014	14:38	HHM
IDL06302014-002	1.0000	HHF30A	6/30/2014	14:40	HHM
IDL06302014-003	1.0000	HHF30A	6/30/2014	14:42	HHM
IDL06302014-004	1.0000	HHF30A	6/30/2014	14:44	HHM
IDL06302014-005	1.0000	HHF30A	6/30/2014	14:46	HHM
IDL06302014-006	1.0000	HHF30A	6/30/2014	14:48	HHM
IDL06302014-007	1.0000	HHF30A	6/30/2014	14:50	HHM
CCV	1.0000	HHF30A	6/30/2014	14:53	HHM
CCB	1.0000	HHF30A	6/30/2014	14:55	HHM

SAMPLE ID	DF	FILE	DATE	TIME	ANALYST
SH4735-001T2	400.0000	HHF30A	6/30/2014	15:10	HHM
CCV	1.0000	HHF30A	6/30/2014	15:12	HHM
CCB	1.0000	HHF30A	6/30/2014	15:14	HHM

Report Generated By CETAC QuickTrace

Analyst: metals

Worksheet file: C:\Program Files\QuickTrace\Worksheets\HHF30A.wsz

Date Started: 6/30/2014 11:21:48 AM

Comment:

Results

Sample Name	Type	Date/Time	Conc (ug/L)	μAbs	%RSD	Flags	DF
Calibration Blank	STD	06/30/14 11:25:26 am	0.000	-24	88.21		1.00
Replicates							
Standard #1 (0.2 ppb)	STD	06/30/14 11:27:32 am	0.200	716	2.47		1.00
Replicates							
Standard #2 (0.5 ppb)	STD	06/30/14 11:29:39 am	0.500	1681	1.31		1.00
Replicates							
Standard #3 (1.0 ppb)	STD	06/30/14 11:31:45 am	1.000	3383	1.02		1.00
Replicates							
Standard #4 (5.0 ppb)	STD	06/30/14 11:33:53 am	5.000	17188	0.80		1.00
Replicates							
Standard #5 (10.0 ppb)	STD	06/30/14 11:36:00 am	10.000	34029	0.64		1.00
Replicates							

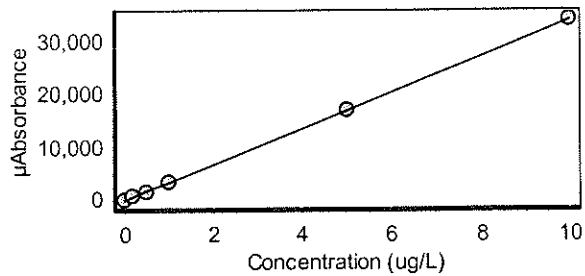
Calibration

Equation: $A = 8.942 + 3408.397C$

R2: 0.99997

SEE: 81.7430

Flags:



ICV	ICV	06/30/14 11:38:09 am	6.006	20480	0.81		1.00
Replicates							
% Recovery							
ICB	ICB	06/30/14 11:40:14 am	-0.008	-19	149.28		1.00
Replicates							

Sample Name				Type	Date/Time	Conc (ug/L)	μAbs	%RSD	Flags	DF
PQL				CRDL	06/30/14 11:42:20 am	0.186	644	6.36		1.00
Replicates	680.7	586.7	664.4	646.0						
% Recovery	93.23									
CCV				CCV	06/30/14 11:44:27 am	5.074	17304	0.69		1.00
Replicates	17437.1	17332.2	17299.0	17148.2						
% Recovery	101.49									
CCB				CCB	06/30/14 11:46:33 am	0.001	13	204.40		1.00
Replicates	-9.9	49.3	15.0	-2.7						
LCSWHF29HGW1				LCS	06/30/14 11:48:39 am	5.889	20080	0.41		1.00
Replicates	19960.9	20088.2	20143.9	20128.0						
% Recovery	117.78									
PBWHF29HGW1				PBK	06/30/14 11:50:46 am	0.004	22	59.80		1.00
Replicates	3.5	31.4	21.0	30.4						
SH4661-001				UNK	06/30/14 11:52:52 am	0.024	90	19.24		1.00
Replicates	107.7	71.8	102.5	79.6						
SH4681-002				UNK	06/30/14 11:55:00 am	0.001	13	170.02		1.00
Replicates	-18.4	34.5	21.6	15.5						
LCSWHF29HGW2				LCS	06/30/14 11:57:07 am	5.031	17155	0.56		1.00
Replicates	17245.9	17205.6	17144.1	17025.1						
% Recovery	100.61									
PBWHF29HGW2				PBK	06/30/14 11:59:14 am	-0.013	-34	33.60		1.00
Replicates	-23.0	-38.2	-48.4	-27.0						
SH4521-008D				UNK	06/30/14 12:01:21 pm	-0.002	3	783.38		1.00
Replicates	-7.3	35.1	-23.0	7.8						
SH4521-012				UNK	06/30/14 12:03:28 pm	0.002	16	145.91		1.00
Replicates	1.5	1.1	10.6	49.1						
SH4521-014				UNK	06/30/14 12:05:36 pm	0.012	51	62.83		1.00
Replicates	47.2	9.0	62.4	85.2						

Sample Name				Type	Date/Time	Conc (ug/L)	μAbs	%RSD	Flags	DF
CCV				CCV	06/30/14 12:07:44 pm	5.464	18632	1.55		1.00
Replicates	18784.0	18891.0	18619.8	18231.5						
% Recovery	109.27									
CCB				CCB	06/30/14 12:09:49 pm	-0.012	-32	88.18		1.00
Replicates	8.5	-57.5	-36.6	-44.1						
SH4521-014L				UNK	06/30/14 12:11:57 pm	-0.058	-30	58.23		5.00
Replicates	-26.7	-19.9	-56.4	-18.6						
SH4521-014A				UNK	06/30/14 12:14:04 pm	1.075	3675	0.56		1.00
Replicates	3684.4	3697.5	3666.0	3650.7						
SH4521-014D				UNK	06/30/14 12:16:11 pm	0.012	49	51.86		1.00
Replicates	23.4	33.7	79.7	59.2						
SH4521-014S				UNK	06/30/14 12:18:19 pm	1.194	4079	0.75		1.00
Replicates	4122.1	4054.5	4078.5	4059.9						
SH4521-016				UNK	06/30/14 12:20:27 pm	-0.008	-20	108.38		1.00
Replicates	-35.9	-33.4	-19.7	10.5						
SH4521-018				UNK	06/30/14 12:22:35 pm	-0.008	-17	195.12		1.00
Replicates	22.8	-6.6	-29.4	-53.6						
SH4521-020				UNK	06/30/14 12:24:43 pm	0.001	13	90.15		1.00
Replicates	15.6	17.7	-4.1	21.1						
SH4521-021				UNK	06/30/14 12:26:51 pm	0.005	28	115.37		1.00
Replicates	30.2	-13.0	64.8	28.3						
SH4521-023				UNK	06/30/14 12:28:59 pm	-0.008	-19	173.47		1.00
Replicates	16.8	-52.3	1.3	-43.3						
SH4646-001T				UNK	06/30/14 12:31:07 pm	0.029	108	8.32		1.00
Replicates	97.0	104.1	115.8	114.8						

Sample Name				Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Flags	DF
CCV				CCV	06/30/14 12:33:14 pm	5.340	18208	0.57		1.00
Replicates	18349.8	18200.8	18184.5	18098.7						
% Recovery	106.79									
CCB				CCB	06/30/14 12:35:20 pm	-0.005	-9	292.94		1.00
Replicates	-3.3	25.2	-31.8	-25.1						
SH4679-002T				UNK	06/30/14 12:37:29 pm	0.000	9	245.69		1.00
Replicates	36.6	14.6	-10.7	-5.4						
SH4681-001				UNK	06/30/14 12:39:36 pm	0.003	20	125.31		1.00
Replicates	29.5	37.9	-16.9	28.8						
SH4695-001T				UNK	06/30/14 12:41:44 pm	-0.005	-8	387.35		1.00
Replicates	35.0	-29.7	-7.2	-29.6						
SH4695-003T				UNK	06/30/14 12:43:53 pm	-0.002	1	377.85		1.00
Replicates	-16.7	13.5	-10.4	16.5						
SH4735-001T1				UNK	06/30/14 12:46:01 pm	41.550	141615	0.25	O	1.00
Replicates	141790.5	141764.8	141820.8	141083.0						
SH4735-001T2				UNK	06/30/14 12:49:55 pm	280.600	956504	0.11	O	1.00
Replicates	957944.8	956639.4	955491.9	955940.4						
LCSWHF29HGW3				LCS	06/30/14 12:59:04 pm	5.625	19180	0.11		1.00
Replicates	19204.8	19159.3	19166.0	19190.1						
% Recovery	112.49									
PBWHF29HGW3				PBK	06/30/14 01:05:41 pm	-0.012	-32	44.14		1.00
Replicates	-51.8	-30.5	-24.0	-20.5						
SH4401-003				UNK	06/30/14 01:07:50 pm	-0.015	-42	39.10		1.00
Replicates	-63.0	-37.3	-23.8	-42.4						
SH4401-005				UNK	06/30/14 01:09:59 pm	-0.009	-20	85.42		1.00
Replicates	-1.3	-10.5	-38.6	-30.6						

Sample Name				Type	Date/Time	Conc (ug/L)	μAbs	%RSD	Flags	DF
CCV				CCV	06/30/14 01:12:07 pm	5.195	17715	0.65		1.00
Replicates	17793.7	17788.3	17730.3	17546.6						
% Recovery	103.89									
CCB				CCB	06/30/14 01:14:12 pm	-0.009	-20	148.03		1.00
Replicates	-20.8	21.6	-47.9	-34.2						
SH4401-007				UNK	06/30/14 01:16:22 pm	-0.004	-5	136.34		1.00
Replicates	-5.7	-2.5	2.2	-13.8						
SH4401-009				UNK	06/30/14 01:18:30 pm	-0.006	-11	124.39		1.00
Replicates	-27.5	-0.2	1.1	-18.4						
SH4401-011				UNK	06/30/14 01:20:39 pm	-0.012	-33	100.23		1.00
Replicates	-0.3	-8.9	-60.5	-64.0						
SH4401-013				UNK	06/30/14 01:22:48 pm	-0.004	-6	205.61		1.00
Replicates	-0.7	8.3	-15.7	-14.0						
SH4401-015				UNK	06/30/14 01:24:57 pm	0.006	29	101.78		1.00
Replicates	6.8	16.1	73.1	21.1						
SH4401-019				UNK	06/30/14 01:27:07 pm	-0.005	-7	102.58		1.00
Replicates	-9.1	-11.6	-12.7	3.8						
SH4401-021				UNK	06/30/14 01:29:15 pm	0.007	34	128.03		1.00
Replicates	72.7	49.3	39.6	-27.4						
SH4521-003				UNK	06/30/14 01:31:24 pm	-0.006	-10	274.89		1.00
Replicates	18.0	-47.5	-7.6	-2.6						
SH4521-005				UNK	06/30/14 01:33:34 pm	-0.001	7	265.02		1.00
Replicates	-17.3	13.9	24.2	5.9						
SH4521-007				UNK	06/30/14 01:35:44 pm	-0.005	-9	94.28		1.00
Replicates	-2.4	-15.6	-1.1	-18.0						

Sample Name				Type	Date/Time	Conc (ug/L)	μAbs	%RSD	Flags	DF
CCV				CCV	06/30/14 01:37:51 pm	5.122	17465	0.87		1.00
Replicates	17643.3	17491.7	17449.6	17275.6						
% Recovery	102.43									
CCB				CCB	06/30/14 01:39:57 pm	-0.010	-24	51.82		1.00
Replicates	-15.3	-41.5	-26.5	-14.3						
SH4521-009				UNK	06/30/14 01:42:07 pm	-0.001	5	276.30		1.00
Replicates	-5.8	-5.8	24.2	8.0						
SH4521-009L				UNK	06/30/14 01:44:16 pm	-0.052	-27	59.85		5.00
Replicates	-39.4	-40.8	-16.8	-9.3						
SH4521-009A				UNK	06/30/14 01:46:25 pm	1.138	3889	0.64		1.00
Replicates	3924.2	3871.3	3871.5	3887.3						
SH4521-009D				UNK	06/30/14 01:48:35 pm	-0.003	-2	053.44		1.00
Replicates	17.9	-8.2	-29.3	11.5						
SH4521-009S				UNK	06/30/14 01:50:45 pm	1.087	3712	1.13		1.00
Replicates	3760.5	3718.4	3711.6	3658.4						
SH4521-011				UNK	06/30/14 01:52:55 pm	-0.001	7	373.74		1.00
Replicates	15.6	21.8	-32.9	24.4						
SH4521-013				UNK	06/30/14 01:55:04 pm	-0.006	-13	103.69		1.00
Replicates	-7.0	0.0	-13.0	-30.6						
SH4521-015				UNK	06/30/14 01:57:14 pm	-0.015	-41	58.55		1.00
Replicates	-33.0	-31.1	-24.3	-77.4						
SH4521-015L				UNK	06/30/14 01:59:24 pm	-0.032	-13	130.84		5.00
Replicates	-35.0	4.0	-16.0	-4.5						
SH4521-015A				UNK	06/30/14 02:01:35 pm	1.038	3546	0.81		1.00
Replicates	3571.3	3562.5	3506.4	3543.0						

Sample Name				Type	Date/Time	Conc (ug/L)	μAbs	%RSD	Flags	DF
CCV				CCV	06/30/14 02:03:42 pm	5.123	17471	0.25		1.00
Replicates	17527.3	17467.7	17471.0	17420.0						
% Recovery	102.47									
CCB				CCB	06/30/14 02:08:34 pm	0.007	32	142.39		1.00
Replicates	-20.8	78.9	11.1	56.9						
SH4521-015D				UNK	06/30/14 02:10:45 pm	0.010	42	39.82		1.00
Replicates	55.8	58.1	26.4	29.2						
SH4521-015S				UNK	06/30/14 02:12:54 pm	1.088	3717	0.96		1.00
Replicates	3760.3	3733.4	3690.0	3685.5						
SH4521-017				UNK	06/30/14 02:15:04 pm	0.005	27	64.66		1.00
Replicates	35.8	26.5	42.2	2.7						
SH4521-022				UNK	06/30/14 02:17:15 pm	0.006	31	105.02		1.00
Replicates	12.3	3.4	31.9	76.4						
SH4521-024				UNK	06/30/14 02:19:26 pm	0.002	14	73.48		1.00
Replicates	-1.0	22.1	19.8	15.8						
SH4401-017				UNK	06/30/14 02:21:37 pm	-0.007	-16	223.40		1.00
Replicates	29.6	-7.5	-50.8	-34.0						
PBT1169A				UNK	06/30/14 02:23:47 pm	-0.009	-22	99.36		1.00
Replicates	-51.0	-25.3	-8.3	-2.8						
PBT1170A				UNK	06/30/14 02:25:57 pm	0.001	11	172.39		1.00
Replicates	-8.6	35.5	4.2	12.0						
SH4735-001T1				UNK	06/30/14 02:28:08 pm	39.090	26654	0.23		5.00
Replicates	26667.9	26628.4	26588.5	26732.4						
SH4735-001T2				UNK	06/30/14 02:30:19 pm	1644.000	140081	0.15	O	40.00
Replicates	140077.8	139803.6	140140.6	140303.9						

Sample Name				Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Flags	DF
CCV				CCV	06/30/14 02:34:03 pm	5.134	17507	1.44		1.00
Replicates	17831.2	17570.1	17369.9	17255.9						
% Recovery	102.67									
CCB				CCB	06/30/14 02:36:09 pm	-0.017	-47	47.70		1.00
Replicates	-22.1	-68.0	-65.1	-34.6						
IDL06302014-001				UNK	06/30/14 02:38:15 pm	0.088	310	8.24		1.00
Replicates	314.9	273.5	332.0	321.2						
IDL06302014-002				UNK	06/30/14 02:40:22 pm	0.104	362	4.62		1.00
Replicates	357.9	351.4	386.9	352.6						
IDL06302014-003				UNK	06/30/14 02:42:29 pm	0.103	361	10.35		1.00
Replicates	387.3	309.9	357.3	390.6						
IDL06302014-004				UNK	06/30/14 02:44:36 pm	0.112	390	3.71		1.00
Replicates	380.4	387.5	411.2	381.0						
IDL06302014-005				UNK	06/30/14 02:46:44 pm	0.104	365	8.35		1.00
Replicates	329.2	398.9	352.1	378.6						
IDL06302014-006				UNK	06/30/14 02:48:50 pm	0.099	345	8.41		1.00
Replicates	358.7	375.9	308.3	338.8						
IDL06302014-007				UNK	06/30/14 02:50:57 pm	0.104	364	4.38		1.00
Replicates	363.2	367.4	343.2	381.9						
CCV				CCV	06/30/14 02:53:05 pm	5.109	17421	0.72		1.00
Replicates	17566.7	17463.5	17383.2	17270.2						
% Recovery	102.17									
CCB				CCB	06/30/14 02:55:10 pm	-0.009	-22	197.48		1.00
Replicates	-66.2	36.0	-33.4	-22.7						
SH4735-001T2				UNK	06/30/14 03:10:08 pm	1852.000	15790	0.28		400.00
Replicates	15803.5	15780.9	15733.9	15839.9						

KATAHDIN ANALYTICAL SERVICES, INC. METALS ANALYSIS RUN INFORMATION SHEET

INSTR. ID: Cetac M6100 (H) ANALYST: EAM DATE: 7-1-14

FILE NAME: HHG04A METHOD: CVAA

Analyte: Mercury

SnCl_2 : MP1357

245. 1

747 0

CLP

Other (List): _____

REVIEWED

HHM 7-7-14
KATAHDIN ANALYTICAL
METALS SECTION

STANDARDS USED:

Standard Name	Standard ID	Prep Date	Expiration Date	Standard Conc.
CalBlank/ICB/CCB	<u>N/A</u>	<u>7-3-14</u>	<u>7-17-14</u>	0.00 ug/L
Standard #1 / PQL	<u>↓</u>	<u>↓</u>	<u>↓</u>	0.20 ug/L
Standard #2	<u>↓</u>	<u>↓</u>	<u>↓</u>	0.50 ug/L
Standard #3	<u>↓</u>	<u>↓</u>	<u>↓</u>	1.00 ug/L
Standard #4 / CCV	<u>↓</u>	<u>↓</u>	<u>↓</u>	5.00 ug/L
Standard #5	<u>↓</u>	<u>↓</u>	<u>↓</u>	10.00 ug/L
ICV	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>6 enough</u>
<u>HHM 7-7-14</u>				

Additional Comments and Notes:

HHM 7-7-14

INSTRUMENT RUNLOG

Instrument: CETAC M6100

SAMPLE ID	DF	FILE	DATE	TIME	ANALYST
Calibration Blank	1.0000	HHG04A	7/4/2014	12:42	EAM
Standard #1 (0.2 ppb)	1.0000	HHG04A	7/4/2014	12:44	EAM
Standard #2 (0.5 ppb)	1.0000	HHG04A	7/4/2014	12:46	EAM
Standard #3 (1.0 ppb)	1.0000	HHG04A	7/4/2014	12:48	EAM
Standard #4 (5.0 ppb)	1.0000	HHG04A	7/4/2014	12:50	EAM
Standard #5 (10.0 ppb)	1.0000	HHG04A	7/4/2014	12:53	EAM
ICV	1.0000	HHG04A	7/4/2014	12:55	EAM
ICB	1.0000	HHG04A	7/4/2014	12:57	EAM
PQL	1.0000	HHG04A	7/4/2014	12:59	EAM
CCV	1.0000	HHG04A	7/4/2014	13:01	EAM
CCB	1.0000	HHG04A	7/4/2014	13:03	EAM
LCSWHG03HGW1	1.0000	HHG04A	7/4/2014	13:05	EAM
PBWHG03HGW1	1.0000	HHG04A	7/4/2014	13:07	EAM
SH4773-001	1.0000	HHG04A	7/4/2014	13:09	EAM
SH4778-001	1.0000	HHG04A	7/4/2014	13:12	EAM
SH4814-007	1.0000	HHG04A	7/4/2014	13:14	EAM
SH4814-007L	5.0000	HHG04A	7/4/2014	13:16	EAM
SH4814-007S	1.0000	HHG04A	7/4/2014	13:18	EAM
SH4814-007P	1.0000	HHG04A	7/4/2014	13:20	EAM
SH4814-008	1.0000	HHG04A	7/4/2014	13:22	EAM
CCV	1.0000	HHG04A	7/4/2014	13:24	EAM
CCB	1.0000	HHG04A	7/4/2014	13:26	EAM
SH4814-009	1.0000	HHG04A	7/4/2014	13:28	EAM
SH4814-012	1.0000	HHG04A	7/4/2014	13:31	EAM
SH4814-013	1.0000	HHG04A	7/4/2014	13:33	EAM
SH4814-016	1.0000	HHG04A	7/4/2014	13:35	EAM
SH4814-017	1.0000	HHG04A	7/4/2014	13:37	EAM
SH4893-001	1.0000	HHG04A	7/4/2014	13:39	EAM
LCSWHG03HGW2	1.0000	HHG04A	7/4/2014	13:41	EAM
PBWHG03HGW2	1.0000	HHG04A	7/4/2014	13:43	EAM
PBT1170A	1.0000	HHG04A	7/4/2014	13:46	EAM
SH4016-031	1.0000	HHG04A	7/4/2014	13:48	EAM
CCV	1.0000	HHG04A	7/4/2014	13:50	EAM
CCB	1.0000	HHG04A	7/4/2014	13:52	EAM
SH4016-033	1.0000	HHG04A	7/4/2014	13:54	EAM
SH4412-001	1.0000	HHG04A	7/4/2014	13:56	EAM
SH4412-003	1.0000	HHG04A	7/4/2014	13:58	EAM
SH4412-005	1.0000	HHG04A	7/4/2014	14:00	EAM
SH4412-007	1.0000	HHG04A	7/4/2014	14:03	EAM
SH4412-007L	5.0000	HHG04A	7/4/2014	14:05	EAM
SH4412-007A	1.0000	HHG04A	7/4/2014	14:07	EAM
SH4412-007S	1.0000	HHG04A	7/4/2014	14:09	EAM
SH4412-007P	1.0000	HHG04A	7/4/2014	14:11	EAM
SH4412-009	1.0000	HHG04A	7/4/2014	14:13	EAM

SAMPLE ID	DF	FILE	DATE	TIME	ANALYST
CCV	1.0000	HHG04A	7/4/2014	14:15	EAM
CCB	1.0000	HHG04A	7/4/2014	14:17	EAM
SH4412-013	1.0000	HHG04A	7/4/2014	14:20	EAM
SH4487-001	1.0000	HHG04A	7/4/2014	14:22	EAM
SH4521-019	1.0000	HHG04A	7/4/2014	14:24	EAM
SH4611-001	1.0000	HHG04A	7/4/2014	14:26	EAM
SH4611-002	1.0000	HHG04A	7/4/2014	14:28	EAM
SH4643-001T	1.0000	HHG04A	7/4/2014	14:30	EAM
SH4662-001	1.0000	HHG04A	7/4/2014	14:33	EAM
SH4671-001T	1.0000	HHG04A	7/4/2014	14:35	EAM
SH4672-001T	1.0000	HHG04A	7/4/2014	14:37	EAM
SH4711-001T	1.0000	HHG04A	7/4/2014	14:39	EAM
CCV	1.0000	HHG04A	7/4/2014	14:41	EAM
CCB	1.0000	HHG04A	7/4/2014	14:43	EAM
SH4828-006T	1.0000	HHG04A	7/4/2014	14:45	EAM
SH4830-002	1.0000	HHG04A	7/4/2014	14:48	EAM
SH4849-001T	1.0000	HHG04A	7/4/2014	14:50	EAM
LCSWHG03HGW3	1.0000	HHG04A	7/4/2014	14:52	EAM
PBWHG03HGW3	1.0000	HHG04A	7/4/2014	14:54	EAM
LCSOHF30ICS2	1.0000	HHG04A	7/4/2014	14:56	EAM
PBSHF30ICS2	1.0000	HHG04A	7/4/2014	14:58	EAM
SH4747-002	1.0000	HHG04A	7/4/2014	15:01	EAM
SH4747-004	1.0000	HHG04A	7/4/2014	15:03	EAM
SH4747-006	1.0000	HHG04A	7/4/2014	15:05	EAM
CCV	1.0000	HHG04A	7/4/2014	15:07	EAM
CCB	1.0000	HHG04A	7/4/2014	15:09	EAM
SH4747-008	1.0000	HHG04A	7/4/2014	15:11	EAM
SH4747-010	1.0000	HHG04A	7/4/2014	15:13	EAM
SH4747-012	1.0000	HHG04A	7/4/2014	15:16	EAM
SH4747-014	1.0000	HHG04A	7/4/2014	15:18	EAM
SH4747-014L	5.0000	HHG04A	7/4/2014	15:20	EAM
SH4747-014A	1.0000	HHG04A	7/4/2014	15:22	EAM
SH4747-014S	1.0000	HHG04A	7/4/2014	15:24	EAM
SH4747-014P	1.0000	HHG04A	7/4/2014	15:26	EAM
SH4747-016	1.0000	HHG04A	7/4/2014	15:29	EAM
SH4747-018	1.0000	HHG04A	7/4/2014	15:31	EAM
CCV	1.0000	HHG04A	7/4/2014	15:34	EAM
CCB	1.0000	HHG04A	7/4/2014	15:36	EAM

Report Generated By CETAC QuickTrace

Analyst: metals

Worksheet file: C:\Program Files\QuickTrace\Worksheets\HHG04A.wsz

Date Started: 7/4/2014 12:40:12 PM

Comment:

Results

Sample Name	Type	Date/Time	Conc (ug/L)	μAbs	%RSD	Flags	DF
Calibration Blank	STD	07/04/14 12:42:28 pm	0.000	2	071.56		1.00
Replicates							
Standard #1 (0.2 ppb)	STD	07/04/14 12:44:34 pm	0.200	700	3.84		1.00
Replicates							
Standard #2 (0.5 ppb)	STD	07/04/14 12:46:40 pm	0.500	1695	2.26		1.00
Replicates							
Standard #3 (1.0 ppb)	STD	07/04/14 12:48:47 pm	1.000	3473	1.14		1.00
Replicates							
Standard #4 (5.0 ppb)	STD	07/04/14 12:50:55 pm	5.000	17017	0.74		1.00
Replicates							
Standard #5 (10.0 ppb)	STD	07/04/14 12:53:02 pm	10.000	36528	0.81		1.00
Replicates							

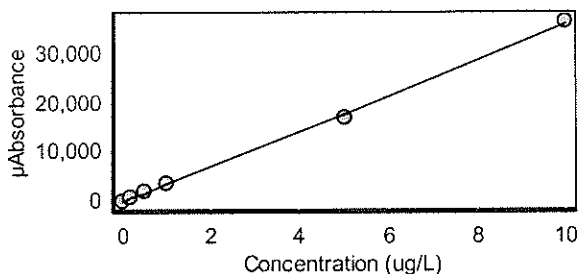
Calibration

Equation: $A = -192.427 + 3626.892C$

R2: 0.99892

SEE: 531.7931

Flags:



ICV	ICV	07/04/14 12:55:11 pm	5.666	20358	0.84		1.00
Replicates							
% Recovery							
ICB	ICB	07/04/14 12:57:16 pm	0.050	-11	146.18		1.00
Replicates							

Sample Name				Type	Date/Time	Conc (ug/L)	μAbs	%RSD	Flags	DF
PQL				CRDL	07/04/14 12:59:22 pm	0.234	658	4.12		1.00
Replicates	698.1	638.8	650.5	644.8						
% Recovery	117.24									
CCV				IPR	07/04/14 01:01:29 pm	4.826	17311	0.73		1.00
Replicates	17470.2	17339.4	17263.6	17172.2						
% Recovery	96.52									
CCB				CCB	07/04/14 01:03:35 pm	0.048	-19	33.19		1.00
Replicates	-26.0	-11.0	-20.8	-17.8						
LCSWHG03HGW1				LCS	07/04/14 01:05:41 pm	4.635	16619	0.91		1.00
Replicates	16739.4	16714.0	16615.3	16407.5						
% Recovery	92.70									
PBWHG03HGW1				PBK	07/04/14 01:07:47 pm	0.046	-25	148.54		1.00
Replicates	-48.6	21.5	-62.5	-12.3						
SH4773-001				UNK	07/04/14 01:09:54 pm	0.059	22	137.32		1.00
Replicates	-1.6	-6.5	47.7	47.2						
SH4778-001				UNK	07/04/14 01:12:02 pm	0.062	33	69.73		1.00
Replicates	19.0	65.0	31.3	15.0						
SH4814-007				UNK	07/04/14 01:14:09 pm	0.064	40	91.90		1.00
Replicates	0.4	69.3	17.1	73.1						
SH4814-007L				UNK	07/04/14 01:16:16 pm	0.289	17	74.45		5.00
Replicates	23.0	0.4	30.5	15.4						
SH4814-007S				UNK	07/04/14 01:18:23 pm	1.012	3479	0.95		1.00
Replicates	3508.0	3475.9	3498.7	3433.9						
SH4814-007P				UNK	07/04/14 01:20:30 pm	0.984	3378	1.04		1.00
Replicates	3367.3	3366.6	3429.3	3348.6						
SH4814-008				UNK	07/04/14 01:22:38 pm	0.066	47	29.17		1.00
Replicates	50.3	56.7	27.0	55.2						

Sample Name				Type	Date/Time	Conc (ug/L)	μAbs	%RSD	Flags	DF
CCV				CCV	07/04/14 01:24:46 pm	5.135	18432	0.59		1.00
Replicates	18544.7	18493.0	18385.8	18303.0						
% Recovery	102.70									
CCB				CCB	07/04/14 01:26:51 pm	0.040	-46	57.33		1.00
Replicates	-26.8	-82.6	-26.6	-48.3						
SH4814-009				UNK	07/04/14 01:28:59 pm	0.057	13	147.76		1.00
Replicates	36.6	-8.1	7.4	14.5						
SH4814-012				UNK	07/04/14 01:31:06 pm	2.781	9892	0.50		1.00
Replicates	9964.7	9873.5	9878.5	9852.0						
SH4814-013				UNK	07/04/14 01:33:13 pm	0.513	1670	0.88		1.00
Replicates	1686.8	1652.6	1675.6	1663.8						
SH4814-016				UNK	07/04/14 01:35:21 pm	0.517	1682	0.82		1.00
Replicates	1698.1	1673.0	1689.0	1668.8						
SH4814-017				UNK	07/04/14 01:37:29 pm	0.163	400	3.81		1.00
Replicates	379.4	398.0	411.2	412.0						
SH4893-001				UNK	07/04/14 01:39:37 pm	0.058	18	77.34		1.00
Replicates	21.0	7.9	7.4	37.7						
LCSWHG03HGW2				LCS	07/04/14 01:41:45 pm	4.688	16812	1.07		1.00
Replicates	17009.1	16861.9	16800.5	16577.5						
% Recovery	93.77									
PBWHG03HGW2				PBK	07/04/14 01:43:53 pm	0.040	-47	60.30		1.00
Replicates	-27.2	-18.4	-76.1	-64.7						
PBT1170A				PBK	07/04/14 01:46:01 pm	0.046	-25	135.21		1.00
Replicates	-35.4	-67.9	-4.2	7.5						
SH4016-031				UNK	07/04/14 01:48:09 pm	0.056	9	239.99		1.00
Replicates	-23.0	19.7	22.8	16.2						

Sample Name					Type	Date/Time	Conc (ug/L)	μAbs	%RSD	Flags	DF
CCV					CCV	07/04/14 01:50:16 pm	5.315	19084	0.39		1.00
Replicates	19141.8	19130.8	19083.3	18978.9							
% Recovery	106.30										
CCB					CCB	07/04/14 01:52:22 pm	0.045	-28	69.18		1.00
Replicates	-0.7	-45.2	-29.5	-35.0							
SH4016-033					UNK	07/04/14 01:54:31 pm	0.054	3	780.83		1.00
Replicates	17.1	0.1	29.9	-33.1							
SH4412-001					UNK	07/04/14 01:56:38 pm	0.049	-16	75.02		1.00
Replicates	-11.2	-27.2	-1.4	-25.1							
SH4412-003					UNK	07/04/14 01:58:46 pm	0.054	4	372.95		1.00
Replicates	24.0	3.2	5.4	-15.3							
SH4412-005					UNK	07/04/14 02:00:55 pm	0.049	-16	144.13		1.00
Replicates	-35.8	15.3	-31.2	-12.7							
SH4412-007					UNK	07/04/14 02:03:03 pm	0.052	-2	430.41		1.00
Replicates	-7.7	39.5	-38.4	-2.4							
SH4412-007L					UNK	07/04/14 02:05:12 pm	0.251	-10	156.09		5.00
Replicates	-29.6	-0.5	6.1	-17.5							
SH4412-007A					UNK	07/04/14 02:07:20 pm	1.016	3492	0.94		1.00
Replicates	3532.6	3503.0	3470.0	3460.6							
SH4412-007S					UNK	07/04/14 02:09:29 pm	0.881	3002	0.86		1.00
Replicates	3039.3	2997.2	2988.5	2981.7							
SH4412-007P					UNK	07/04/14 02:11:37 pm	0.967	3313	0.99		1.00
Replicates	3332.9	3348.5	3294.4	3278.0							
SH4412-009					UNK	07/04/14 02:13:46 pm	0.055	7	360.88		1.00
Replicates	-0.1	-11.2	-5.2	44.7							

Sample Name				Type	Date/Time	Conc (ug/L)	μAbs	%RSD	Flags	DF
CCV				CCV	07/04/14 02:15:54 pm	4.879	17504	1.00		1.00
Replicates	17692.0	17529.1	17524.6	17268.6						
% Recovery	97.58									
CCB				CCB	07/04/14 02:17:59 pm	0.051	-8	208.13		1.00
Replicates	13.5	-27.1	-6.1	-12.8						
SH4412-013				UNK	07/04/14 02:20:09 pm	0.046	-27	116.53		1.00
Replicates	-60.0	-10.4	8.5	-47.0						
SH4487-001				UNK	07/04/14 02:22:17 pm	0.067	52	42.26		1.00
Replicates	32.5	69.6	33.1	71.6						
SH4521-019				UNK	07/04/14 02:24:26 pm	0.045	-28	186.24		1.00
Replicates	-93.4	-43.6	19.6	6.6						
SH4611-001				UNK	07/04/14 02:26:35 pm	0.046	-27	27.78		1.00
Replicates	-32.4	-35.2	-21.7	-20.0						
SH4611-002				UNK	07/04/14 02:28:44 pm	0.048	-18	161.30		1.00
Replicates	-0.1	13.0	-49.7	-36.4						
SH4643-001T				UNK	07/04/14 02:30:54 pm	0.213	581	5.71		1.00
Replicates	577.8	567.9	627.7	550.4						
SH4662-001				UNK	07/04/14 02:33:03 pm	0.059	23	68.94		1.00
Replicates	15.7	24.9	42.9	6.6						
SH4671-001T				UNK	07/04/14 02:35:12 pm	0.074	75	28.54		1.00
Replicates	66.6	87.0	96.0	48.5						
SH4672-001T				UNK	07/04/14 02:37:21 pm	0.053	0	072.08		1.00
Replicates	-21.3	18.4	-16.8	19.5						
SH4711-001T				UNK	07/04/14 02:39:31 pm	0.043	-35	50.15		1.00
Replicates	-47.0	-44.0	-39.7	-9.0						

Sample Name				Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Flags	DF
CCV				CCV	07/04/14 02:41:38 pm	4.768	17101	0.88		1.00
Replicates	17274.2	17155.5	17058.7	16917.2						
% Recovery	95.36									
CCB				CCB	07/04/14 02:43:44 pm	0.057	14	121.55		1.00
Replicates	29.7	9.9	24.8	-8.2						
SH4828-006T				UNK	07/04/14 02:45:54 pm	0.057	14	72.61		1.00
Replicates	10.0	11.2	6.7	29.8						
SH4830-002				UNK	07/04/14 02:48:03 pm	0.184	474	7.27		1.00
Replicates	503.7	469.9	494.9	426.9						
SH4849-001T				UNK	07/04/14 02:50:12 pm	0.053	1	476.02		1.00
Replicates	5.5	47.3	-58.7	11.0						
LCSWHG03HGW3				LCS	07/04/14 02:52:22 pm	4.724	16941	1.27		1.00
Replicates	17207.8	17012.7	16820.5	16723.9						
% Recovery	94.48									
PBWHG03HGW3				PBK	07/04/14 02:54:32 pm	0.040	-47	25.51		1.00
Replicates	-30.7	-46.6	-57.0	-55.6						
LCSOHF30ICS2				LCS	07/04/14 02:56:42 pm	4.664	16725	1.26		1.00
Replicates	16986.6	16782.6	16634.6	16496.1						
% Recovery	93.29									
PBSHF30ICS2				PBK	07/04/14 02:58:52 pm	0.791	2675	1.92	Q	1.00
Replicates	2744.1	2680.7	2649.0	2626.0						
SH4747-002				UNK	07/04/14 03:01:01 pm	0.147	342	3.47		1.00
Replicates	333.5	330.4	346.6	355.9						
SH4747-004				UNK	07/04/14 03:03:11 pm	0.120	244	10.11		1.00
Replicates	248.4	271.1	211.3	245.3						
SH4747-006				UNK	07/04/14 03:05:22 pm	0.079	94	25.13		1.00
Replicates	65.7	110.3	83.6	116.3						

KATAHDIN ANALYTICAL SERVICES, INC.

METALS ANALYSIS RUN INFORMATION SHEET

INSTR. ID: I-Thermo Cap 6500 ANALYST: EA ANALYSIS DATE: 06-23-14

FILE NAME: IHF23B

REVIEWED

MM 6-24-14
KATAHDIN ANALYTICAL
METALS SECTION

METHOD:

ICP

☒ 200.7

☒ 6010B

☐ CLP

☐ _____

ICP-MS

☐ 200.8

☐ 6020

☐ CLP

☐ _____

CVAA

☐ 245. _____

☐ 747. _____

☐ CLP

☐ _____

STANDARDS USED:

Standard Name	Standard ID	Prep Date	Expiration Date	Standard Conc.
Blank/ICB/CCB	MW14887	05-15-14	05-15-15	0 ug/L
Std 1	MW14923	06-09-14	08-08-14	varies by element
ICV	MW14945	06-23-14	09-23-14	
PAL	MW14936	06-12-14	06-27-14	
ERS1	MW14939	06-16-14	08-08-14	
ERS2	MW14943	06-19-14	08-08-14	
ICSA	MW14930	06-10-14	09-10-14	
ICSAB	MW14918	06-04-14	09-01-14	
CCV	MW14935	06-12-14	08-08-14	
Internal Std	MW14934	06-11-14	09-11-14	5 ug/L

Additional Comments and Notes:

MM 6-29-14

INSTRUMENT RUNLOG

Instrument: ICAP 6500

SAMPLE ID	DF	FILE	DATE	TIME	ANALYST
Blank	1.000	IHF23B	6/23/2014	18:26	EAM
Std 1	1.000	IHF23B	6/23/2014	18:31	EAM
ICV	1.000	IHF23B	6/23/2014	18:35	EAM
ICB	1.000	IHF23B	6/23/2014	18:40	EAM
PQL	1.000	IHF23B	6/23/2014	18:44	EAM
LRS1	1.000	IHF23B	6/23/2014	18:49	EAM
LRS2	1.000	IHF23B	6/23/2014	18:54	EAM
ICSA	1.000	IHF23B	6/23/2014	19:03	EAM
ICSAB	1.000	IHF23B	6/23/2014	19:08	EAM
CCV	1.000	IHF23B	6/23/2014	19:12	EAM
CCB	1.000	IHF23B	6/23/2014	19:17	EAM
PBWHF20ICW2	1.000	IHF23B	6/23/2014	19:21	EAM
LCSWHF20ICW2	1.000	IHF23B	6/23/2014	19:26	EAM
SH4401-002	1.000	IHF23B	6/23/2014	19:31	EAM
SH4401-003	1.000	IHF23B	6/23/2014	19:35	EAM
SH4401-004	1.000	IHF23B	6/23/2014	19:40	EAM
SH4401-005	1.000	IHF23B	6/23/2014	19:45	EAM
SH4401-006	1.000	IHF23B	6/23/2014	19:49	EAM
SH4401-007	1.000	IHF23B	6/23/2014	19:54	EAM
SH4401-007L	5.000	IHF23B	6/23/2014	19:59	EAM
SH4401-007A	1.000	IHF23B	6/23/2014	20:03	EAM
CCV	1.000	IHF23B	6/23/2014	20:08	EAM
CCB	1.000	IHF23B	6/23/2014	20:12	EAM
SH4401-007S	1.000	IHF23B	6/23/2014	20:17	EAM
SH4401-007P	1.000	IHF23B	6/23/2014	20:21	EAM
SH4401-008	1.000	IHF23B	6/23/2014	20:26	EAM
SH4401-009	1.000	IHF23B	6/23/2014	20:31	EAM
SH4401-010	1.000	IHF23B	6/23/2014	20:35	EAM
SH4401-011	1.000	IHF23B	6/23/2014	20:40	EAM
SH4401-012	1.000	IHF23B	6/23/2014	20:45	EAM
SH4401-013	1.000	IHF23B	6/23/2014	20:49	EAM
SH4401-014	1.000	IHF23B	6/23/2014	20:54	EAM
SH4401-015	1.000	IHF23B	6/23/2014	20:59	EAM
CCV	1.000	IHF23B	6/23/2014	21:03	EAM
CCB	1.000	IHF23B	6/23/2014	21:08	EAM
SH4401-016	1.000	IHF23B	6/23/2014	21:12	EAM
SH4401-017	1.000	IHF23B	6/23/2014	21:17	EAM
SH4401-018	1.000	IHF23B	6/23/2014	21:22	EAM
PBSHF19ICS1	1.000	IHF23B	6/23/2014	21:26	EAM
LCSOHF19ICS1	1.000	IHF23B	6/23/2014	21:31	EAM
LC2OHF19ICS1	1.000	IHF23B	6/23/2014	21:36	EAM
SH4016-007	1.000	IHF23B	6/23/2014	21:40	EAM
SH4016-029	1.000	IHF23B	6/23/2014	21:45	EAM
SH4358-001	1.000	IHF23B	6/23/2014	21:49	EAM

SAMPLE ID	DF	FILE	DATE	TIME	ANALYST
SH4360-002	1.000	IHF23B	6/23/2014	21:54	EAM
CCV	1.000	IHF23B	6/23/2014	21:58	EAM
CCB	1.000	IHF23B	6/23/2014	22:03	EAM
PBWHF19ICW1	1.000	IHF23B	6/23/2014	22:08	EAM
LCSWHF19ICW1	1.000	IHF23B	6/23/2014	22:12	EAM
SH4325-001	1.000	IHF23B	6/23/2014	22:17	EAM
SH4335-001	1.000	IHF23B	6/23/2014	22:22	EAM
SH4335-002	1.000	IHF23B	6/23/2014	22:26	EAM
SH4352-001	1.000	IHF23B	6/23/2014	22:31	EAM
SH4365-001	1.000	IHF23B	6/23/2014	22:36	EAM
PBWHF19ICW2	1.000	IHF23B	6/23/2014	22:40	EAM
LCSWHF19ICW2	1.000	IHF23B	6/23/2014	22:45	EAM
SH4016-001	1.000	IHF23B	6/23/2014	22:49	EAM
CCV	1.000	IHF23B	6/23/2014	22:54	EAM
CCB	1.000	IHF23B	6/23/2014	22:59	EAM
SH4016-003	1.000	IHF23B	6/23/2014	23:03	EAM
SH4016-005	1.000	IHF23B	6/23/2014	23:08	EAM
SH4016-009	1.000	IHF23B	6/23/2014	23:13	EAM
SH4016-011	1.000	IHF23B	6/23/2014	23:17	EAM
SH4016-013	1.000	IHF23B	6/23/2014	23:22	EAM
SH4016-015	1.000	IHF23B	6/23/2014	23:27	EAM
SH4016-017	1.000	IHF23B	6/23/2014	23:31	EAM
SH4016-019	1.000	IHF23B	6/23/2014	23:36	EAM
PBSHF23ICS1	1.000	IHF23B	6/23/2014	23:41	EAM
LCSOHF23ICS1	1.000	IHF23B	6/23/2014	23:45	EAM
CCV	1.000	IHF23B	6/23/2014	23:50	EAM
CCB	1.000	IHF23B	6/23/2014	23:54	EAM
LC2OHF23ICS1	1.000	IHF23B	6/23/2014	23:59	EAM
SH4481-001	1.000	IHF23B	6/24/2014	0:04	EAM
CCV	1.000	IHF23B	6/24/2014	0:08	EAM
CCB	1.000	IHF23B	6/24/2014	0:13	EAM
PQL	1.000	IHF23B	6/24/2014	0:18	EAM
ICSA	1.000	IHF23B	6/24/2014	0:22	EAM
ICSAB	1.000	IHF23B	6/24/2014	0:27	EAM
CCV	1.000	IHF23B	6/24/2014	0:31	EAM
CCB	1.000	IHF23B	6/24/2014	0:36	EAM

Intensity Report

Author:

Published: 6/24/2014 9:25:13AM

Notes:

Blank

Method Name: K6010-2011

Method Revision: 1,301

Analyst Name: EAM

Acquire Date: 6/23/2014 6:26:41PM

Sample Type: Standard

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.00001700	Cts/S	0.00001400	82.31	5.100
Al3961_R		-0.0006310	Cts/S	0.00004300	6.773	-8.579
As1891_A		0.00009000	Cts/S	0.00009000	10.29	0.7011
Au2427_A		0.0002680	Cts/S	0.00004300	16.04	2.087
B_2089_A		0.0003590	Cts/S	0.000005000	1.460	2.798
Ba4554_R		0.001686	Cts/S	0.0003310	19.61	22.88
Be3130_R		-0.0008740	Cts/S	0.0001390	15.86	-11.87
Ca3158_R		-0.001034	Cts/S	0.00006700	6.512	-14.06
Cd2265_A		-0.0003280	Cts/S	0.000006000	1.835	-2.551
Co2286_A		0.0003190	Cts/S	0.00006900	21.56	2.487
Cr2677_A		0.00002400	Cts/S	0.00001600	66.41	7.066
Cu3273_A		-0.0001170	Cts/S	0.000003000	2.428	-34.94
Fe2599_R		0.0007580	Cts/S	0.00004800	6.324	10.29
K_7664_R		-0.003923	Cts/S	0.00009700	2.478	-53.32
Li6707_R		-0.0009310	Cts/S	0.0003040	32.66	-12.64
Mg2025_A		-0.0004340	Cts/S	0.00004200	9.633	-3.378
Mn2576_R		0.00009900	Cts/S	0.000004000	4.324	1.339
Mo2020_A		0.0004170	Cts/S	0.00004200	10.11	3.245
Na5895_R		0.001934	Cts/S	0.0003360	17.39	26.31
Ni2316_A		-0.00001200	Cts/S	0.00002900	240.2	-0.09510
Pb2203_A		-0.0002240	Cts/S	0.000004000	1.641	-1.742
Sb2068_A		0.00008000	Cts/S	0.00003800	47.13	0.6223
Se1960_A		0.0001600	Cts/S	0.00001000	6.503	1.242
Si2516_R		0.0001220	Cts/S	0.00007600	62.21	1.650
Sn1899_A		0.00009300	Cts/S	0.00001700	18.36	0.7235
Sr4215_R		-0.004195	Cts/S	0.00007800	1.850	-57.00
Ti3349_A		-0.00004300	Cts/S	0.000006000	14.35	-12.88
Tl1908_A		-0.0001280	Cts/S	0.00005400	41.81	-0.9981
V_2924_A		0.000007000	Cts/S	0.000005000	70.18	2.186
Zn2062_A		0.00006700	Cts/S	0.00001700	25.21	0.5235
Y_3600_R		13,589	Cts/S	131.16	0.96519	13,589
Y_2243_A		7,784.0	Cts/S	4.0957	0.052616	7,784.0
Y_3600_A		299,370	Cts/S	2,270.4	0.75839	299,370

Std 1

Method Name: K6010-2011

Method Revision: 1,301

Analyst Name: EAM

Acquire Date: 6/23/2014 6:31:21PM

Sample Type: Standard

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.07339	Cts/S	0.0002680	0.3658	21,150
Al3961_R		0.9491	Cts/S	0.004972	0.5239	13,060
As1891_A		0.03098	Cts/S	0.00008300	0.2686	233.3
Au2427_A		0.4473	Cts/S	0.0002370	0.05310	3,367
B_2089_A		0.1152	Cts/S	0.0005720	0.4966	867.4
Ba4554_R		2.823	Cts/S	0.01473	0.5218	38,860
Be3130_R		3.092	Cts/S	0.01424	0.4606	42,560
Ca3158_R		1.025	Cts/S	0.006094	0.5944	14,110
Cd2265_A		1.637	Cts/S	0.001115	0.06813	12,320
Co2286_A		0.4431	Cts/S	0.001478	0.3336	3,336
Cr2677_A		0.05038	Cts/S	0.0003120	0.6202	14,520
Cu3273_A		0.04892	Cts/S	0.0002790	0.5710	14,090
Fe2599_R		0.8440	Cts/S	0.007116	0.8431	11,620

Published: 6/24/2014 9:25:13AM

Page 1 of 54

Std 1

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 6:31:21PM

Method Revision: 1,301

Sample Type: Standard

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
K_7664_R		1.111	Cts/S	0.007420	0.6676	15,300
Li6707_R		0.6924	Cts/S	0.002335	0.3373	9,530
Mg2025_A		0.5090	Cts/S	0.002085	0.4095	3,832
Mn2576_R		0.1572	Cts/S	0.0003190	0.2032	2,164
Mo2020_A		0.2093	Cts/S	0.0008420	0.4026	1,575
Na5895_R		2.919	Cts/S	0.01025	0.3511	40,180
Ni2316_A		0.2227	Cts/S	0.00007300	0.03291	1,677
Pb2203_A		0.1163	Cts/S	0.0004230	0.3636	875.4
Sb2068_A		0.03742	Cts/S	0.0001030	0.2750	281.8
Se1960_A		0.01980	Cts/S	0.00004400	0.2210	149.0
Si2516_R		0.1778	Cts/S	0.001568	0.8819	2,447
Sn1899_A		0.05021	Cts/S	0.0001870	0.3732	378.0
Sr4215_R		2.978	Cts/S	0.01545	0.5187	40,990
Ti3349_A		0.1114	Cts/S	0.001258	1.129	32,100
Ti1908_A		0.04564	Cts/S	0.0001750	0.3840	343.6
V_2924_A		0.05565	Cts/S	0.0004120	0.7406	16,030
Zn2062_A		0.2903	Cts/S	0.0003160	0.1087	2,186
Y_3600_R		13,765	Cts/S	29.556	0.21472	13,765
Y_2243_A		7,528.7	Cts/S	18.848	0.25035	7,528.7
Y_3600_A		288,120	Cts/S	1,158.9	0.40223	288,120

ICV

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 6:35:49PM

Method Revision: 1,301

Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		402.1	ug/L	2.378	0.5914	8,700
Al3961_R		10,100	ug/L	69.25	0.6858	5,360
As1891_A		393.4	ug/L	3.832	0.9742	93.99
Au2427_A		389.6	ug/L	0.9256	0.2376	1,339
B_2089_A		406.2	ug/L	0.8755	0.2156	361.1
Ba4554_R		404.9	ug/L	4.544	1.122	16,020
Be3130_R		409.1	ug/L	2.050	0.5012	17,690
Ca3158_R		10,090	ug/L	54.90	0.5438	5,785
Cd2265_A		405.9	ug/L	1.967	0.4845	5,099
Co2286_A		408.7	ug/L	2.474	0.6054	1,392
Cr2677_A		406.8	ug/L	3.379	0.8307	6,045
Cu3273_A		403.0	ug/L	1.093	0.2712	5,791
Fe2599_R		10,070	ug/L	80.96	0.8040	4,764
K_7664_R		13,460	ug/L	10.23	0.07603	8,349
Li6707_R		394.7	ug/L	6.476	1.641	3,817
Mg2025_A		10,160	ug/L	33.20	0.3267	1,586
Mn2576_R		405.3	ug/L	4.268	1.053	892.5
Mo2020_A		411.4	ug/L	3.645	0.8858	662.8
Na5895_R		10,020	ug/L	70.27	0.7014	16,390
Ni2316_A		413.9	ug/L	1.086	0.2623	707.6
Pb2203_A		413.3	ug/L	2.528	0.6116	368.0
Sb2068_A		401.9	ug/L	3.121	0.7767	115.8
Se1960_A		406.4	ug/L	2.092	0.5147	62.48
Si2516_R		9,840	ug/L	8.222	0.08355	980.6
Sn1899_A		397.3	ug/L	1.225	0.3084	153.5
Sr4215_R		414.1	ug/L	3.396	0.8200	17,230
Ti3349_A		404.5	ug/L	2.825	0.6984	13,270
Ti1908_A		420.4	ug/L	2.053	0.4883	146.8
V_2924_A		406.0	ug/L	1.537	0.3785	6,661
Zn2062_A		405.1	ug/L	3.586	0.8851	903.3
Y_3600_R		13,996	Cts/S	102.54	0.73263	13,996

ICV

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 6:35:49PM

Method Revision: 1,301

Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Y_2243_A		7,677.1	Cts/S	33.652	0.43834	7,677.1
Y_3600_A		294,770	Cts/S	2,450.0	0.83117	294,770

ICB

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 6:40:18PM

Method Revision: 1,301

Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.2485	ug/L	0.1918	77.21	-0.4125
Al3961_R		3.944	ug/L	3.715	94.21	-6.682
As1891_A		1.131	ug/L	0.3660	32.36	0.9711
Au2427_A		0.5631	ug/L	0.7369	130.9	4.025
B_2089_A		0.4864	ug/L	0.1227	25.21	3.310
Ba4554_R		0.2036	ug/L	0.05382	26.43	31.70
Be3130_R		0.09530	ug/L	0.04827	50.65	-8.154
Ca3158_R		7.263	ug/L	0.5777	7.953	-10.32
Cd2265_A		0.05732	ug/L	0.01787	31.17	-1.813
Co2286_A		0.01689	ug/L	0.007653	45.30	2.543
Cr2677_A		0.1328	ug/L	0.3611	272.0	8.999
Cu3273_A		-0.08134	ug/L	0.3152	387.5	-35.90
Fe2599_R		1.907	ug/L	3.661	192.0	11.53
K_7664_R		-2.765	ug/L	21.18	766.1	-56.74
Li6707_R		-0.3318	ug/L	1.746	526.3	-16.31
Mg2025_A		-0.5392	ug/L	1.890	350.5	-3.437
Mn2576_R		-0.5424	ug/L	0.2002	36.91	0.1877
Mo2020_A		3.189	ug/L	0.8678	27.21	8.401
Na5895_R		12.67	ug/L	6.294	49.68	47.88
Ni2316_A		0.3693	ug/L	0.4245	114.9	0.5501
Pb2203_A		-0.1509	ug/L	0.4914	325.6	-1.877
Sb2068_A		-0.2866	ug/L	0.3397	118.5	0.5364
Se1960_A		1.918	ug/L	0.1698	8.854	1.530
Si2516_R		11.30	ug/L	3.984	35.25	2.839
Sn1899_A		0.01280	ug/L	0.2396	1,872	0.7261
Sr4215_R		0.2246	ug/L	0.08896	39.60	-49.44
Ti3349_A		0.8634	ug/L	0.1870	21.66	15.81
Tl1908_A		-0.4479	ug/L	0.5616	125.4	-1.154
V_2924_A		-0.2360	ug/L	0.02441	10.34	-2.233
Zn2062_A		0.08465	ug/L	0.08250	97.46	0.7122
Y_3600_R		14,027	Cts/S	40.108	0.28594	14,027
Y_2243_A		7,757.6	Cts/S	5.2190	0.067277	7,757.6
Y_3600_A		296,940	Cts/S	2,658.5	0.89531	296,940

PQL

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 6:44:58PM

Method Revision: 1,301

Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		9.514	ug/L	0.02382	0.2503	214.8
Al3961_R		319.9	ug/L	23.96	7.489	160.8
As1891_A		6.847	ug/L	0.3571	5.215	2.346
Au2427_A		105.9	ug/L	0.9677	0.9141	368.2
B_2089_A		51.91	ug/L	0.8782	1.692	47.73
Ba4554_R		5.655	ug/L	0.009112	0.1611	246.1
Be3130_R		5.289	ug/L	0.02805	0.5304	215.8
Ca3158_R		102.9	ug/L	3.516	3.418	44.50
Cd2265_A		5.208	ug/L	0.08577	1.647	63.65
Co2286_A		10.48	ug/L	0.1448	1.381	38.56

PQL

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 6:44:58PM

Method Revision: 1,301

Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Cr2677_A		11.03	ug/L	0.02049	0.1858	173.3
Cu3273_A		27.45	ug/L	0.1307	0.4760	368.4
Fe2599_R		99.96	ug/L	5.763	5.765	57.59
K_7664_R		1,021	ug/L	7.546	0.7392	580.6
Li6707_R		105.8	ug/L	1.381	1.305	1,011
Mg2025_A		107.8	ug/L	2.577	2.390	13.91
Mn2576_R		4.528	ug/L	0.1632	3.604	11.30
Mo2020_A		10.17	ug/L	0.05744	0.5646	19.74
Na5895_R		1,062	ug/L	6.190	0.5828	1,756
Ni2316_A		10.77	ug/L	0.2837	2.634	18.55
Pb2203_A		5.738	ug/L	0.4128	7.195	3.426
Sb2068_A		6.606	ug/L	0.1817	2.751	2.269
Se1960_A		10.22	ug/L	0.1147	1.122	2.799
Si2516_R		225.3	ug/L	29.70	13.18	24.06
Sn1899_A		105.6	ug/L	0.1210	0.1146	41.84
Sr4215_R		10.45	ug/L	0.01730	0.1655	376.4
Ti3349_A		15.25	ug/L	0.05786	0.3794	495.8
Ti1908_A		16.00	ug/L	0.7487	4.678	4.698
V_2924_A		10.20	ug/L	0.4045	3.966	172.1
Zn2062_A		20.60	ug/L	0.05623	0.2730	46.98
Y_3600_R		13,951	Cts/S	168.89	1.2106	13,951
Y_2243_A		7,766.7	Cts/S	9.7600	0.12566	7,766.7
Y_3600_A		299,360	Cts/S	4,409.6	1.4730	299,360

LRS1

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 6:49:39PM

Method Revision: 1,301

Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2,049	ug/L	10.55	0.5147	43,310
Al3961_R		-46.65	ug/L	10.18	21.83	86.04
As1891_A		20,880	ug/L	22.51	0.1078	4,678
Au2427_A		20,930	ug/L	10.05	0.04802	67,560
B_2089_A		20,860	ug/L	0.1577	0.0007560	16,880
Ba4554_R		20,100	ug/L	314.6	1.565	774,400
Be3130_R		20,030	ug/L	130.9	0.6536	845,800
Ca3158_R		44.36	ug/L	2.795	6.300	-1.701
Cd2265_A		19,890	ug/L	12.34	0.06205	235,500
Co2286_A		20,640	ug/L	11.12	0.05390	66,170
Cr2677_A		20,280	ug/L	18.02	0.08888	293,300
Cu3273_A		20,460	ug/L	88.33	0.4317	288,100
Fe2599_R		-18.39	ug/L	3.186	17.33	1.881
K_7664_R		9.204	ug/L	37.48	407.2	-48.06
Li6707_R		19,670	ug/L	1.282	0.006515	186,200
Mg2025_A		-767.3	ug/L	6.491	0.8460	510.5
Mn2576_R		20,350	ug/L	78.75	0.3869	43,660
Mo2020_A		5,178	ug/L	9.702	0.1874	7,834
Na5895_R		27.97	ug/L	4.777	17.08	70.95
Ni2316_A		20,500	ug/L	26.08	0.1272	33,080
Pb2203_A		21,050	ug/L	0.5087	0.002417	17,810
Sb2068_A		20,700	ug/L	34.14	0.1649	5,599
Se1960_A	W	21,200	ug/L	15.70	0.07404	3,013
Si2516_R		30.85	ug/L	6.788	22.01	12.36
Sn1899_A		20,470	ug/L	5.544	0.02708	7,432
Sr4215_R		20,390	ug/L	359.6	1.763	830,400
Ti3349_A		19,490	ug/L	139.1	0.7140	623,500
Ti1908_A		20,420	ug/L	35.21	0.1725	6,771

LRS1

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 6:49:39PM

Method Revision: 1,301

Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
V_2924_A		19,820	ug/L	206.8	1.043	318,700
Zn2062_A		19,740	ug/L	42.30	0.2142	41,510
Y_3600_R		13,657	Cts/S	112.79	0.82587	13,657
Y_2243_A		7,243.8	Cts/S	1.9581	0.027031	7,243.8
Y_3600_A		287,200	Cts/S	985.83	0.34325	287,200

LRS2

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 6:54:41PM

Method Revision: 1,301

Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-4.910	ug/L	1.569	31.95	-1,209
Al3961_R		503,900	ug/L	5,041	1.000	249,100
As1891_A		28.58	ug/L	3.740	13.08	3.212
Au2427_A		5.414	ug/L	3.222	59.52	108.2
B_2089_A		10.14	ug/L	2.278	22.48	10.66
Ba4554_R		17.14	ug/L	0.6074	3.544	652.4
Be3130_R		3.729	ug/L	0.5111	13.70	138.3
Ca3158_R		474,500	ug/L	3,894	0.8206	253,900
Cd2265_A		1.524	ug/L	0.5409	35.48	191.8
Co2286_A		0.7380	ug/L	0.2675	36.25	12.20
Cr2677_A		2.178	ug/L	0.4785	21.98	39.90
Cu3273_A		-2.500	ug/L	0.7373	29.49	-12.23
Fe2599_R	W	233,800	ug/L	2,728	1.167	102,800
K_7664_R		291,000	ug/L	1,157	0.3977	169,200
Li6707_R		22.05	ug/L	1.616	7.328	187.2
Mg2025_A	W	186,700	ug/L	610.6	0.3270	25,800
Mn2576_R		11.67	ug/L	1.180	10.11	28.11
Mo2020_A		18.39	ug/L	4.130	22.46	29.12
Na5895_R		192,500	ug/L	3,435	1.785	292,800
Ni2316_A		3.727	ug/L	0.2419	6.490	-7.932
Pb2203_A		-0.6106	ug/L	1.692	277.2	-39.82
Sb2068_A		6.324	ug/L	1.730	27.36	7.116
Se1960_A		23.46	ug/L	8.197	34.94	7.367
Si2516_R		50,030	ug/L	602.6	1.204	4,632
Sn1899_A		11.02	ug/L	0.9835	8.925	4.414
Sr4215_R		5.869	ug/L	0.2769	4.718	173.5
Ti3349_A		27.22	ug/L	2.197	8.070	769.8
Tl1908_A		2.152	ug/L	0.2393	11.12	-1.484
V_2924_A		1.526	ug/L	0.4263	27.93	49.03
Zn2062_A		4.143	ug/L	0.3543	8.552	8.691
Y_3600_R		13,036	Cts/S	64.263	0.49298	13,036
Y_2243_A		6,842.4	Cts/S	20.238	0.29577	6,842.4
Y_3600_A		257,550	Cts/S	2,609.8	1.0133	257,550

ICSA

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 7:03:48PM

Method Revision: 1,301

Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	W	-4.039	ug/L	0.9743	24.12	-968.0
Al3961_R		495,900	ug/L	5,338	1.076	244,500
As1891_A		2.808	ug/L	2.379	84.71	-1.142
Au2427_A		1.159	ug/L	0.04958	4.276	75.75
B_2089_A		4.982	ug/L	1.069	21.45	6.166
Ba4554_R		0.3898	ug/L	0.01656	4.248	36.22
Be3130_R		0.001886	ug/L	0.04564	2,419	-11.39

ICSA

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 7:03:48PM

Method Revision: 1,301

Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ca3158_R		464,200	ug/L	5,180	1.116	247,700
Cd2265_A		0.1834	ug/L	0.2446	133.4	138.7
Co2286_A		-2.230	ug/L	0.3476	15.59	1.461
Cr2677_A		1.581	ug/L	0.2595	16.42	31.35
Cu3273_A		-4.309	ug/L	0.4743	11.01	-31.73
Fe2599_R		184,700	ug/L	2,678	1.450	80,980
K_7664_R		118.5	ug/L	21.02	17.73	17.82
Li6707_R		15.92	ug/L	1.562	9.816	131.4
Mg2025_A		452,500	ug/L	404.4	0.08936	62,140
Mn2576_R		-0.7214	ug/L	0.4913	68.10	2.030
Mo2020_A		-0.9082	ug/L	0.2336	25.72	1.545
Na5895_R		43.04	ug/L	4.208	9.778	90.47
Ni2316_A		0.3949	ug/L	0.4188	106.1	-10.13
Pb2203_A		-0.8283	ug/L	1.438	173.6	-40.47
Sb2068_A		1.997	ug/L	3.132	156.8	5.587
Se1960_A		0.02909	ug/L	2.204	7,578	4.066
Si2516_R		15.01	ug/L	7.667	51.09	0.2187
Sn1899_A		5.123	ug/L	0.2452	4.787	2.378
Sr4215_R	W	3.654	ug/L	0.1636	4.478	87.11
Ti3349_A		3.388	ug/L	0.2043	6.029	87.06
Tl1908_A		-1.438	ug/L	1.588	110.5	-2.431
V_2924_A		-1.154	ug/L	0.1758	15.24	6.797
Zn2062_A		2.667	ug/L	0.1632	6.119	5.723
Y_3600_R		13,002	Cts/S	142.50	1.0960	13,002
Y_2243_A		6,799.9	Cts/S	2.2937	0.033731	6,799.9
Y_3600_A		260,470	Cts/S	1,391.9	0.53440	260,470

ICSAB

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 7:08:22PM

Method Revision: 1,301

Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		218.1	ug/L	1.763	0.8086	3,288
Al3961_R		487,300	ug/L	4,639	0.9518	242,200
As1891_A		109.1	ug/L	0.7880	0.7223	21.40
Au2427_A		539.4	ug/L	1.545	0.2865	1,704
B_2089_A		490.9	ug/L	0.2829	0.05762	384.8
Ba4554_R		510.6	ug/L	3.627	0.7104	18,910
Be3130_R		515.2	ug/L	5.556	1.078	20,870
Ca3158_R		457,100	ug/L	4,335	0.9483	246,000
Cd2265_A		958.6	ug/L	0.4783	0.04989	10,780
Co2286_A		470.6	ug/L	0.4929	0.1047	1,424
Cr2677_A		499.6	ug/L	3.591	0.7187	6,509
Cu3273_A		530.1	ug/L	2.835	0.5348	6,737
Fe2599_R		181,800	ug/L	2,341	1.288	80,370
K_7664_R		20,560	ug/L	210.4	1.023	11,970
Li6707_R		509.0	ug/L	1.988	0.3906	4,614
Mg2025_A		446,000	ug/L	605.2	0.1357	61,220
Mn2576_R		495.4	ug/L	8.444	1.704	1,023
Mo2020_A		460.5	ug/L	4.152	0.9015	656.5
Na5895_R		20,090	ug/L	108.3	0.5388	30,750
Ni2316_A		938.5	ug/L	0.4696	0.05004	1,411
Pb2203_A		45.79	ug/L	0.2594	0.5665	-3.276
Sb2068_A		619.4	ug/L	1.044	0.1686	162.1
Se1960_A		50.88	ug/L	1.391	2.733	10.78
Si2516_R		2,008	ug/L	10.67	0.5314	186.4
Sn1899_A		458.3	ug/L	0.8442	0.1842	156.7

ICSAB

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 7:08:22PM

Method Revision: 1,301

Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Sr4215_R		492.1	ug/L	2.928	0.5950	19,180
Ti3349_A		495.7	ug/L	3.413	0.6885	14,260
Tl1908_A		89.98	ug/L	1.246	1.385	25.82
V_2924_A		510.3	ug/L	2.192	0.4296	7,363
Zn2062_A		958.8	ug/L	0.1713	0.01786	1,893
Y_3600_R		13,107	Cts/S	115.67	0.88249	13,107
Y_2243_A		6,796.7	Cts/S	7.4544	0.10968	6,796.7
Y_3600_A		258,300	Cts/S	967.51	0.37457	258,300

CCV

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 7:12:49PM

Method Revision: 1,301

Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		480.9	ug/L	2.686	0.5585	10,410
Al3961_R		12,500	ug/L	83.74	0.6702	6,464
As1891_A		489.5	ug/L	3.841	0.7847	115.7
Au2427_A		491.8	ug/L	2.592	0.5270	1,674
B_2089_A		494.7	ug/L	0.4399	0.08892	434.9
Ba4554_R		491.1	ug/L	1.683	0.3426	18,920
Be3130_R		492.5	ug/L	2.915	0.5919	20,760
Ca3158_R		12,400	ug/L	138.3	1.116	6,924
Cd2265_A		495.7	ug/L	1.459	0.2944	6,169
Co2286_A		501.2	ug/L	1.466	0.2925	1,690
Cr2677_A		490.6	ug/L	1.255	0.2558	7,294
Cu3273_A		484.7	ug/L	4.061	0.8379	6,975
Fe2599_R		12,390	ug/L	112.5	0.9082	5,710
K_7664_R		12,450	ug/L	269.8	2.166	7,522
Li6707_R		491.3	ug/L	4.450	0.9058	4,632
Mg2025_A		12,670	ug/L	24.96	0.1971	1,959
Mn2576_R		492.1	ug/L	8.221	1.670	1,055
Mo2020_A		497.6	ug/L	2.145	0.4311	793.4
Na5895_R		12,520	ug/L	76.52	0.6112	19,940
Ni2316_A		497.6	ug/L	0.2224	0.04469	842.7
Pb2203_A		502.1	ug/L	0.5710	0.1137	443.1
Sb2068_A		494.7	ug/L	1.181	0.2387	141.1
Se1960_A		486.7	ug/L	5.625	1.156	73.89
Si2516_R		12,480	ug/L	204.1	1.636	1,211
Sn1899_A		505.9	ug/L	0.6802	0.1344	193.5
Sr4215_R		491.4	ug/L	5.066	1.031	19,920
Ti3349_A		494.2	ug/L	2.650	0.5361	16,230
Tl1908_A		504.5	ug/L	0.8524	0.1690	174.6
V_2924_A		491.2	ug/L	1.706	0.3473	8,063
Zn2062_A		499.7	ug/L	2.878	0.5760	1,103
Y_3600_R		13,636	Cts/S	282.77	2.0736	13,636
Y_2243_A		7,604.5	Cts/S	19.977	0.26270	7,604.5
Y_3600_A		294,930	Cts/S	1,188.2	0.40287	294,930

CCB

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 7:17:17PM

Method Revision: 1,301

Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.3351	ug/L	0.06024	17.98	-2.313
Al3961_R		5.706	ug/L	0.2007	3.517	-5.560
As1891_A		2.194	ug/L	1.228	56.00	1.217
Au2427_A		0.4081	ug/L	0.1358	33.27	3.462

CCB

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 7:17:17PM

Method Revision: 1,301

Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
B_2089_A		2.995	ug/L	0.2052	6.850	5.442
Ba4554_R		0.06860	ug/L	0.1813	264.3	25.56
Be3130_R		0.2041	ug/L	0.03255	15.95	-3.330
Ca3158_R		4.116	ug/L	5.669	137.7	-11.77
Cd2265_A		0.1301	ug/L	0.01713	13.17	-0.8835
Co2286_A		-0.009614	ug/L	0.08386	872.4	2.433
Cr2677_A		-0.08978	ug/L	0.1552	172.9	5.739
Cu3273_A		0.06014	ug/L	0.4770	793.2	-34.23
Fe2599_R		1.197	ug/L	2.962	247.4	10.85
K_7664_R		21.82	ug/L	7.508	34.40	-40.13
Li6707_R		0.8166	ug/L	2.313	283.3	-4.946
Mg2025_A		17.89	ug/L	0.2818	1.575	-0.5436
Mn2576_R		-0.4963	ug/L	0.2679	53.99	0.2806
Mo2020_A		3.812	ug/L	0.9529	25.00	9.339
Na5895_R		-1.990	ug/L	0.9006	45.27	23.16
Ni2316_A		0.1794	ug/L	0.07179	40.02	0.2215
Pb2203_A		0.6665	ug/L	0.5273	79.11	-1.128
Sb2068_A		0.4548	ug/L	0.5821	128.0	0.7413
Se1960_A		3.947	ug/L	0.9169	23.23	1.824
Si2516_R		5.054	ug/L	3.208	63.47	2.150
Sn1899_A		1.175	ug/L	0.2903	24.71	1.168
Sr4215_R		0.1416	ug/L	0.09783	69.08	-51.32
Ti3349_A		0.8891	ug/L	0.3028	34.05	16.99
Tl1908_A		-0.7634	ug/L	0.8589	112.5	-1.257
V_2924_A		-0.1290	ug/L	0.2709	210.0	-0.4913
Zn2062_A		-0.04437	ug/L	0.06780	152.8	0.4184
Y_3600_R		13,604	Cts/S	26.414	0.19417	13,604
Y_2243_A		7,697.1	Cts/S	25.521	0.33157	7,697.1
Y_3600_A		300,930	Cts/S	3,800.3	1.2628	300,930

PBWHF20ICW2

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 7:21:58PM

Method Revision: 1,301

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.2469	ug/L	0.1402	56.78	-0.4000
Al3961_R		43.45	ug/L	7.371	16.96	13.55
As1891_A		0.9797	ug/L	1.374	140.2	0.9310
Au2427_A		0.1628	ug/L	0.2739	168.2	2.638
B_2089_A		3.581	ug/L	0.2423	6.767	5.871
Ba4554_R		0.3985	ug/L	0.2662	66.80	37.41
Be3130_R		0.2320	ug/L	0.001775	0.7651	-2.101
Ca3158_R		52.91	ug/L	9.098	17.20	15.25
Cd2265_A		0.1035	ug/L	0.008015	7.746	-1.221
Co2286_A		-0.1668	ug/L	0.1816	108.9	1.905
Cr2677_A		-0.2530	ug/L	0.03176	12.55	3.255
Cu3273_A		0.06351	ug/L	0.2251	354.4	-34.24
Fe2599_R		4.353	ug/L	3.572	82.06	12.06
K_7664_R		5.339	ug/L	4.149	77.72	-49.17
Li6707_R		2.044	ug/L	2.537	124.1	6.234
Mg2025_A		15.86	ug/L	4.515	28.47	-0.8811
Mn2576_R		0.4024	ug/L	0.2967	73.74	2.153
Mo2020_A		0.7903	ug/L	0.01790	2.265	4.501
Na5895_R		20.51	ug/L	5.707	27.83	57.86
Ni2316_A		-0.9346	ug/L	0.2956	31.62	-1.703
Pb2203_A		-0.08690	ug/L	0.3994	459.6	-1.815
Sb2068_A		0.05048	ug/L	1.235	2,447	0.6302

PBWHF20ICW2

Method Name: K6010-2011

Method Revision: 1,301

Analyst Name: EAM

Acquire Date: 6/23/2014 7:21:58PM

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Se1960_A		0.9151	ug/L	0.7731	84.48	1.373
Si2516_R		15.33	ug/L	6.241	40.71	3.088
Sn1899_A		0.7046	ug/L	0.05944	8.436	0.9922
Sr4215_R		0.07709	ug/L	0.09525	123.6	-52.98
Ti3349_A		0.5056	ug/L	0.2082	41.19	3.975
Tl1908_A		-2.015	ug/L	0.5802	28.79	-1.707
V_2924_A		-0.01623	ug/L	0.008937	55.07	1.827
Zn2062_A		0.5920	ug/L	0.06982	11.79	1.852
Y_3600_R		13,351	Cts/S	287.67	2.1547	13,351
Y_2243_A		7,735.4	Cts/S	11.339	0.14658	7,735.4
Y_3600_A		301,510	Cts/S	4,702.2	1.5595	301,510

LCSWHF20ICW2

Method Name: K6010-2011

Method Revision: 1,301

Analyst Name: EAM

Acquire Date: 6/23/2014 7:26:39PM

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		47.62	ug/L	0.2599	0.5459	1,031
Al3961_R		2,041	ug/L	13.43	0.6581	1,036
As1891_A		94.31	ug/L	2.782	2.949	23.08
Au2427_A		-0.8020	ug/L	0.2332	29.08	1.299
B_2089_A		472.8	ug/L	2.624	0.5549	412.5
Ba4554_R		1,992	ug/L	13.31	0.6681	75,390
Be3130_R		50.89	ug/L	0.5215	1.025	2,092
Ca3158_R		2,531	ug/L	3.346	0.1322	1,379
Cd2265_A		251.6	ug/L	1.005	0.3994	3,142
Co2286_A		504.8	ug/L	2.559	0.5070	1,711
Cr2677_A		201.3	ug/L	1.514	0.7524	2,992
Cu3273_A		246.5	ug/L	0.5398	0.2190	3,516
Fe2599_R		1,031	ug/L	4.170	0.4046	476.2
K_7664_R		10,120	ug/L	112.6	1.113	5,998
Li6707_R		501.0	ug/L	1.536	0.3067	4,643
Mg2025_A		4,857	ug/L	14.30	0.2944	763.3
Mn2576_R		509.5	ug/L	5.919	1.162	1,074
Mo2020_A		304.8	ug/L	1.898	0.6227	489.6
Na5895_R		7,304	ug/L	58.81	0.8052	11,450
Ni2316_A		506.3	ug/L	0.2525	0.04988	862.3
Pb2203_A		101.3	ug/L	0.08063	0.07960	88.33
Sb2068_A		98.04	ug/L	0.9617	0.9809	27.52
Se1960_A		100.4	ug/L	0.3751	0.3736	16.28
Si2516_R		4,993	ug/L	14.62	0.2927	477.6
Sn1899_A		509.6	ug/L	2.127	0.4174	195.9
Sr4215_R		514.3	ug/L	1.634	0.3178	20,500
Ti3349_A		503.3	ug/L	5.288	1.051	16,500
Tl1908_A		90.00	ug/L	0.6601	0.7334	30.31
V_2924_A		502.6	ug/L	3.518	0.6999	8,288
Zn2062_A		499.7	ug/L	3.660	0.7324	1,110
Y_3600_R		13,405	Cts/S	43.164	0.32200	13,405
Y_2243_A		7,644.7	Cts/S	19.024	0.24885	7,644.7
Y_3600_A		294,500	Cts/S	1,009.0	0.34261	294,500

SH4401-002

Method Name: K6010-2011

Method Revision: 1,301

Analyst Name: EAM

Acquire Date: 6/23/2014 7:31:11PM

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.3731	ug/L	0.3428	91.87	-21.16

SH4401-002

Method Name: K6010-2011
 Analyst Name: EAM
 Acquire Date: 6/23/2014 7:31:11PM

Method Revision: 1,301

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Al3961_R		73.52	ug/L	12.37	16.82	29.85
As1891_A		1.528	ug/L	0.2080	13.61	0.9885
Au2427_A		-3.129	ug/L	0.1147	3.668	2.050
B_2089_A		10.72	ug/L	0.6947	6.477	12.08
Ba4554_R		4.973	ug/L	0.1540	3.098	217.4
Be3130_R		0.1189	ug/L	0.09493	79.83	-7.059
Ca3158_R		7,006	ug/L	70.85	1.011	3,965
Cd2265_A		0.04380	ug/L	0.0008840	2.018	0.7750
Co2286_A		3.861	ug/L	0.08284	2.146	15.94
Cr2677_A		3.398	ug/L	0.1080	3.177	63.90
Cu3273_A		0.5538	ug/L	0.01993	3.598	-27.35
Fe2599_R		3,211	ug/L	25.46	0.7928	1,509
K_7664_R		552.7	ug/L	4.629	0.8375	286.9
Li6707_R		2.499	ug/L	2.543	101.7	11.06
Mg2025_A		1,927	ug/L	10.20	0.5292	300.5
Mn2576_R	W	3,060	ug/L	17.33	0.5663	6,650
Mo2020_A		0.4023	ug/L	0.1856	46.13	3.911
Na5895_R		3,887	ug/L	18.10	0.4657	6,301
Ni2316_A		1.088	ug/L	0.2003	18.41	1.583
Pb2203_A		1.599	ug/L	0.4579	28.64	-0.1884
Sb2068_A		-0.1890	ug/L	0.6164	326.2	0.6063
Se1960_A		3.923	ug/L	0.1374	3.503	1.817
Si2516_R		4,034	ug/L	21.59	0.5352	398.1
Sn1899_A		0.3707	ug/L	0.7684	207.3	0.8710
Sr4215_R		38.09	ug/L	0.6510	1.709	1,513
Ti3349_A		2.131	ug/L	0.4231	19.85	58.58
Ti1908_A		-1.927	ug/L	0.8706	45.17	-3.319
V_2924_A		0.7824	ug/L	0.3283	41.96	-22.35
Zn2062_A		1.915	ug/L	0.1467	7.662	4.861
Y_3600_R		13,835	Cts/S	34.253	0.24759	13,835
Y_2243_A		7,807.0	Cts/S	14.211	0.18203	7,807.0
Y_3600_A		301,400	Cts/S	1,234.0	0.40943	301,400

SH4401-003

Method Name: K6010-2011
 Analyst Name: EAM
 Acquire Date: 6/23/2014 7:35:50PM

Method Revision: 1,301

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.2556	ug/L	0.03715	14.53	-17.66
Al3961_R		37.93	ug/L	11.67	30.77	10.83
As1891_A		1.013	ug/L	1.233	121.7	0.8686
Au2427_A		-3.560	ug/L	0.2733	7.676	0.3875
B_2089_A		9.751	ug/L	0.3490	3.579	11.22
Ba4554_R		4.363	ug/L	0.04626	1.060	188.9
Be3130_R		0.07638	ug/L	0.03213	42.06	-8.626
Ca3158_R		6,930	ug/L	54.76	0.7902	3,825
Cd2265_A		0.02492	ug/L	0.02325	93.27	0.4150
Co2286_A		3.673	ug/L	0.05813	1.583	15.29
Cr2677_A		0.2135	ug/L	0.2650	124.1	15.40
Cu3273_A		0.9557	ug/L	0.2007	21.00	-21.18
Fe2599_R		3,073	ug/L	9.002	0.2929	1,409
K_7664_R		550.4	ug/L	9.765	1.774	278.5
Li6707_R		-0.3437	ug/L	3.186	926.9	-15.99
Mg2025_A		1,847	ug/L	16.16	0.8747	288.2
Mn2576_R	W	3,025	ug/L	15.27	0.5048	6,413
Mo2020_A		-0.5889	ug/L	0.01779	3.022	2.296
Na5895_R		3,824	ug/L	16.64	0.4353	6,046

SH4401-003

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 7:35:50PM

Method Revision: 1,301

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ni2316_A		0.6261	ug/L	0.1664	26.58	0.7891
Pb2203_A		1.429	ug/L	0.3382	23.68	-0.3414
Sb2068_A		-1.566	ug/L	1.435	91.60	0.1933
Se1960_A		1.362	ug/L	0.3558	26.13	1.426
Si2516_R		3,974	ug/L	34.82	0.8762	382.5
Sn1899_A		-0.006907	ug/L	0.03120	451.6	0.7236
Sr4215_R		37.56	ug/L	0.5531	1.473	1,455
Ti3349_A		0.6522	ug/L	0.1350	20.70	8.850
Tl1908_A		-1.859	ug/L	1.379	74.15	-3.280
V_2924_A		0.6086	ug/L	0.04628	7.605	-24.37
Zn2062_A		2.580	ug/L	0.03651	1.415	6.382
Y_3600_R		13,493	Cts/S	184.35	1.3662	13,493
Y_2243_A		7,813.4	Cts/S	41.107	0.52611	7,813.4
Y_3600_A		299,420	Cts/S	2,822.9	0.94281	299,420

SH4401-004

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 7:40:28PM

Method Revision: 1,301

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.3283	ug/L	0.08117	24.73	-9.513
Al3961_R		36.49	ug/L	1.666	4.566	10.13
As1891_A		2.171	ug/L	0.03945	1.817	1.195
Au2427_A		-1.459	ug/L	0.3995	27.39	2.838
B_2089_A		7.823	ug/L	0.04213	0.5386	9.561
Ba4554_R		1.640	ug/L	0.01138	0.6936	85.15
Be3130_R		0.1371	ug/L	0.02635	19.22	-6.074
Ca3158_R		3,671	ug/L	20.84	0.5676	2,019
Cd2265_A		0.1219	ug/L	0.02856	23.43	0.1333
Co2286_A		4.951	ug/L	0.02271	0.4588	19.68
Cr2677_A		3.144	ug/L	0.005312	0.1689	56.44
Cu3273_A		2.251	ug/L	0.5711	25.37	-1.938
Fe2599_R		1,349	ug/L	17.69	1.311	623.6
K_7664_R		661.9	ug/L	18.64	2.815	345.4
Li6707_R		2.353	ug/L	0.3527	14.99	9.440
Mg2025_A		1,044	ug/L	3.047	0.2919	161.7
Mn2576_R	W	1,694	ug/L	28.03	1.654	3,590
Mo2020_A		-0.7349	ug/L	0.2340	31.84	2.062
Na5895_R		3,628	ug/L	12.26	0.3380	5,734
Ni2316_A		28.09	ug/L	0.2028	0.7220	48.76
Pb2203_A		0.7558	ug/L	0.007594	1.005	-1.013
Sb2068_A		-0.2255	ug/L	0.8752	388.1	0.5743
Se1960_A		1.009	ug/L	3.692	365.8	1.386
Si2516_R		3,971	ug/L	12.41	0.3124	382.1
Sn1899_A		0.1940	ug/L	0.1626	83.81	0.8034
Sr4215_R		24.07	ug/L	0.6151	2.555	911.5
Ti3349_A		0.4481	ug/L	0.1645	36.71	2.050
Tl1908_A		-2.273	ug/L	0.1150	5.057	-2.719
V_2924_A		0.6381	ug/L	0.2920	45.76	-7.789
Zn2062_A		2.041	ug/L	0.07711	3.778	5.158
Y_3600_R		13,485	Cts/S	11.444	0.084862	13,485
Y_2243_A		7,825.4	Cts/S	19.200	0.24536	7,825.4
Y_3600_A		294,810	Cts/S	789.84	0.26791	294,810

SH4401-005

Method Name: K6010-2011
Analyst Name: EAM

Method Revision: 1,301

SH4401-005

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 7:45:07PM

Method Revision: 1,301

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.1955	ug/L	0.1640	83.93	-5.800
Al3961_R		18.94	ug/L	1.490	7.864	1.126
As1891_A		1.390	ug/L	0.8082	58.15	1.011
Au2427_A		-1.536	ug/L	0.009265	0.6031	2.663
B_2089_A		7.996	ug/L	0.2065	2.582	9.718
Ba4554_R		1.766	ug/L	0.1714	9.704	88.43
Be3130_R		-0.01190	ug/L	0.1636	1,375	-12.06
Ca3158_R		3,820	ug/L	33.01	0.8640	2,066
Cd2265_A		0.06663	ug/L	0.009472	14.21	-0.6667
Co2286_A		5.189	ug/L	0.04239	0.8169	20.52
Cr2677_A		3.385	ug/L	0.09450	2.792	59.51
Cu3273_A		0.5692	ug/L	0.4864	85.46	-26.04
Fe2599_R		1,211	ug/L	16.89	1.395	551.8
K_7664_R		678.5	ug/L	2.534	0.3734	349.4
Li6707_R		0.7802	ug/L	1.455	186.5	-5.144
Mg2025_A		1,060	ug/L	3.932	0.3711	164.5
Mn2576_R	W	1,743	ug/L	26.99	1.549	3,631
Mo2020_A		-1.075	ug/L	0.06508	6.052	1.508
Na5895_R		3,753	ug/L	40.06	1.067	5,832
Ni2316_A		2.037	ug/L	0.09053	4.443	3.378
Pb2203_A		1.360	ug/L	1.046	76.89	-0.4682
Sb2068_A		-1.836	ug/L	0.09251	5.038	0.1110
Se1960_A		1.530	ug/L	2.677	175.0	1.468
Si2516_R		4,020	ug/L	64.97	1.616	380.4
Sn1899_A		0.04038	ug/L	0.2611	646.6	0.7447
Sr4215_R		25.21	ug/L	0.1410	0.5592	941.4
Ti3349_A		0.1150	ug/L	0.2087	181.5	-8.800
Tl1908_A		-2.145	ug/L	0.1434	6.686	-2.703
V_2924_A		0.5064	ug/L	0.07061	13.94	-10.45
Zn2062_A		4.048	ug/L	0.06551	1.618	9.741
Y_3600_R		13,260	Cts/S	64.424	0.48587	13,260
Y_2243_A		7,840.5	Cts/S	1.5313	0.019530	7,840.5
Y_3600_A		292,030	Cts/S	1,128.9	0.38658	292,030

SH4401-006

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 7:49:46PM

Method Revision: 1,301

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.2654	ug/L	0.1266	47.68	-2.050
Al3961_R		56.37	ug/L	7.597	13.48	20.24
As1891_A		-2.885	ug/L	1.146	39.73	0.00002715
Au2427_A		-1.322	ug/L	0.7244	54.81	-0.9000
B_2089_A		7.427	ug/L	0.3623	4.879	9.270
Ba4554_R		1.452	ug/L	0.1097	7.556	77.84
Be3130_R		0.04166	ug/L	0.05070	121.7	-10.04
Ca3158_R		4,580	ug/L	5.834	0.1274	2,517
Cd2265_A		0.02485	ug/L	0.02882	116.0	-2.054
Co2286_A		-0.08641	ug/L	0.07771	89.93	2.231
Cr2677_A		2.979	ug/L	0.1642	5.513	51.73
Cu3273_A		0.5348	ug/L	0.2262	42.29	-26.58
Fe2599_R		240.8	ug/L	5.380	2.234	119.5
K_7664_R		500.1	ug/L	12.23	2.445	247.5
Li6707_R		1.531	ug/L	0.4559	29.77	1.747
Mg2025_A		1,626	ug/L	3.993	0.2456	255.5
Mn2576_R		487.6	ug/L	2.011	0.4124	1,032
Mo2020_A		-1.395	ug/L	0.01192	0.8548	0.9912

SH4401-006

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 7:49:46PM

Method Revision: 1,301

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		4,430	ug/L	47.77	1.078	6,982
Ni2316_A		0.6111	ug/L	0.2712	44.38	0.9576
Pb2203_A		1.810	ug/L	0.3663	20.24	-0.09427
Sb2068_A		-0.002949	ug/L	0.3397	11,520	0.6405
Se1960_A		0.03816	ug/L	0.8938	2,342	1.260
Si2516_R		3,094	ug/L	51.72	1.671	297.5
Sn1899_A		0.9688	ug/L	0.2259	23.32	1.116
Sr4215_R		24.64	ug/L	0.006193	0.02514	932.4
Ti3349_A		0.5862	ug/L	0.3012	51.39	6.563
Tl1908_A		-2.382	ug/L	0.2870	12.05	-2.135
V_2924_A		0.2626	ug/L	0.3324	126.6	0.5717
Zn2062_A		1.281	ug/L	0.02093	1.635	3.458
Y_3600_R		13,460	Cts/S	50.028	0.37168	13,460
Y_2243_A		7,887.9	Cts/S	17.560	0.22262	7,887.9
Y_3600_A		293,380	Cts/S	1,728.7	0.58925	293,380

SH4401-007

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 7:54:26PM

Method Revision: 1,301

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.1178	ug/L	0.4556	386.8	1.363
Al3961_R		42.97	ug/L	9.098	21.17	13.59
As1891_A		-1.309	ug/L	1.684	128.7	0.3837
Au2427_A		-0.5286	ug/L	0.7891	149.3	1.775
B_2089_A		7.507	ug/L	0.2672	3.560	9.284
Ba4554_R		1.709	ug/L	0.3172	18.56	89.01
Be3130_R		0.1300	ug/L	0.03306	25.43	-6.450
Ca3158_R		4,468	ug/L	40.76	0.9122	2,494
Cd2265_A		0.05590	ug/L	0.04852	86.79	-1.682
Co2286_A		-0.1872	ug/L	0.001410	0.7530	1.864
Cr2677_A		3.125	ug/L	0.1743	5.578	54.53
Cu3273_A		0.6692	ug/L	0.1220	18.23	-24.91
Fe2599_R		197.7	ug/L	6.647	3.362	101.5
K_7664_R		527.6	ug/L	4.571	0.8663	268.2
Li6707_R		3.737	ug/L	2.186	58.50	22.77
Mg2025_A		1,574	ug/L	6.470	0.4111	245.9
Mn2576_R		462.9	ug/L	9.330	2.015	995.3
Mo2020_A		-1.479	ug/L	0.04913	3.322	0.8476
Na5895_R		4,348	ug/L	39.16	0.9006	6,961
Ni2316_A		0.7210	ug/L	0.1106	15.35	1.147
Pb2203_A		1.480	ug/L	0.7880	53.26	-0.3964
Sb2068_A		0.2579	ug/L	0.6330	245.5	0.7162
Se1960_A		1.231	ug/L	0.07369	5.984	1.436
Si2516_R		2,921	ug/L	60.93	2.086	285.3
Sn1899_A		-0.1603	ug/L	0.8757	546.3	0.6662
Sr4215_R		24.32	ug/L	0.1674	0.6885	934.1
Ti3349_A		0.08233	ug/L	0.1506	182.9	-10.08
Tl1908_A		-1.746	ug/L	0.1927	11.04	-1.881
V_2924_A		0.2107	ug/L	0.1362	64.65	0.02446
Zn2062_A		2.549	ug/L	0.03353	1.316	6.328
Y_3600_R		13,671	Cts/S	102.49	0.74965	13,671
Y_2243_A		7,843.4	Cts/S	5.9795	0.076237	7,843.4
Y_3600_A		297,120	Cts/S	2,137.0	0.71923	297,120

SH4401-007L

Method Name: K6010-2011

Method Revision: 1,301

SH4401-007L

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 7:59:05PM

Method Revision: 1,301

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-1.337	ug/L	0.7190	53.77	-1.050
Al3961_R		69.70	ug/L	4.747	6.811	-1.432
As1891_A		-12.91	ug/L	8.013	62.08	0.07993
Au2427_A		2.947	ug/L	1.815	61.59	4.550
B_2089_A		9.352	ug/L	0.4824	5.159	4.483
Ba4554_R		2.185	ug/L	1.482	67.84	39.74
Be3130_R		0.5784	ug/L	0.8153	141.0	-7.027
Ca3158_R		4.539	ug/L	39.32	0.8664	493.3
Cd2265_A		0.09321	ug/L	0.07573	81.25	-2.341
Co2286_A		-0.7370	ug/L	0.05789	7.855	2.034
Cr2677_A		3.828	ug/L	0.1534	4.007	18.88
Cu3273_A		2.332	ug/L	0.1582	6.784	-28.28
Fe2599_R		207.8	ug/L	4.480	2.156	29.40
K_7664_R		550.5	ug/L	60.91	11.06	13.47
Li6707_R		-6.444	ug/L	8.575	133.1	-24.85
Mg2025_A		1,639	ug/L	23.70	1.446	49.45
Mn2576_R		460.0	ug/L	9.488	2.062	198.1
Mo2020_A		-6.865	ug/L	1.023	14.90	1.041
Na5895_R		4,484	ug/L	6.040	0.1347	1,451
Ni2316_A		1.457	ug/L	0.01432	0.9827	0.4157
Pb2203_A		0.4665	ug/L	0.3093	66.30	-1.701
Sb2068_A		-5.939	ug/L	0.2777	4.675	0.2872
Se1960_A		-1.423	ug/L	5.471	384.5	1.231
Si2516_R		2,934	ug/L	58.65	1.999	58.43
Sn1899_A		2.415	ug/L	2.526	104.6	0.9373
Sr4215_R		24.84	ug/L	0.6971	2.807	144.6
Ti3349_A		-0.6826	ug/L	0.03645	5.340	-17.56
Tl1908_A		-6.905	ug/L	1.444	20.91	-1.582
V_2924_A		0.04953	ug/L	0.4362	880.5	1.367
Zn2062_A		2.705	ug/L	0.7969	29.45	1.793
Y_3600_R		13,615	Cts/S	0.65099	0.0047810	13,615
Y_2243_A		7,997.5	Cts/S	23.151	0.28948	7,997.5
Y_3600_A		301,520	Cts/S	2,739.0	0.90841	301,520

SH4401-007A

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 8:03:46PM

Method Revision: 1,301

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		463.6	ug/L	5.679	1.225	9,925
Al3961_R		9,954	ug/L	117.5	1.180	5,070
As1891_A		444.9	ug/L	1.406	0.3161	108.7
Au2427_A		-1.226	ug/L	0.5471	44.62	2.996
B_2089_A		448.4	ug/L	0.1300	0.02898	407.6
Ba4554_R		482.3	ug/L	3.007	0.6234	18,290
Be3130_R		466.9	ug/L	3.471	0.7434	19,370
Ca3158_R		9,801	ug/L	35.95	0.3668	5,388
Cd2265_A		462.1	ug/L	0.2735	0.05917	5,925
Co2286_A		464.7	ug/L	1.134	0.2440	1,616
Cr2677_A		488.4	ug/L	10.44	2.138	7,156
Cu3273_A		466.1	ug/L	6.817	1.462	6,609
Fe2599_R		5,370	ug/L	40.42	0.7527	2,442
K_7664_R		10,010	ug/L	19.83	0.1982	5,941
Li6707_R		498.8	ug/L	0.4844	0.09711	4,630
Mg2025_A		6,659	ug/L	5.577	0.08376	1,068
Mn2576_R		907.4	ug/L	2.315	0.2551	1,915
Mo2020_A		473.1	ug/L	2.788	0.5893	778.1

SH4401-007A

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 8:03:46PM

Method Revision: 1,301

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		9,642	ug/L	44.94	0.4661	15,130
Ni2316_A		476.4	ug/L	0.3160	0.06634	832.5
Pb2203_A		471.7	ug/L	0.8503	0.1803	429.2
Sb2068_A		441.7	ug/L	2.337	0.5291	131.3
Se1960_A		450.8	ug/L	3.898	0.8647	70.65
Si2516_R		3,167	ug/L	5.049	0.1594	304.2
Sn1899_A		0.6712	ug/L	0.7540	112.3	0.9924
Sr4215_R		537.4	ug/L	1.535	0.2856	21,460
Ti3349_A		469.6	ug/L	8.508	1.812	15,200
Tl1908_A		471.7	ug/L	0.09460	0.02006	168.1
V_2924_A		474.0	ug/L	8.072	1.703	7,660
Zn2062_A		466.2	ug/L	0.6934	0.1487	1,062
Y_3600_R		13,426	Cts/S	59.703	0.44469	13,426
Y_2243_A		7,842.6	Cts/S	23.465	0.29920	7,842.6
Y_3600_A		290,660	Cts/S	3,925.6	1.3506	290,660

CCV

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 8:08:14PM

Method Revision: 1,301

Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		494.4	ug/L	1.482	0.2997	10,550
Al3961_R		12,380	ug/L	95.73	0.7734	6,260
As1891_A	W	467.4	ug/L	3.377	0.7225	113.7
Au2427_A		480.9	ug/L	1.465	0.3048	1,684
B_2089_A		478.0	ug/L	0.8582	0.1796	432.5
Ba4554_R		505.0	ug/L	2.152	0.4261	19,020
Be3130_R		486.0	ug/L	2.651	0.5454	20,020
Ca3158_R		12,830	ug/L	99.22	0.7735	7,006
Cd2265_A		490.5	ug/L	0.3895	0.07941	6,280
Co2286_A		483.2	ug/L	0.5666	0.1173	1,677
Cr2677_A		504.5	ug/L	0.7883	0.1563	7,390
Cu3273_A		479.3	ug/L	3.115	0.6499	6,796
Fe2599_R		12,240	ug/L	172.1	1.406	5,515
K_7664_R		12,570	ug/L	20.31	0.1615	7,426
Li6707_R	W	538.4	ug/L	1.008	0.1872	4,963
Mg2025_A		12,520	ug/L	2.040	0.01630	1,992
Mn2576_R		487.0	ug/L	0.1788	0.03671	1,021
Mo2020_A		482.7	ug/L	4.671	0.9677	792.0
Na5895_R		12,900	ug/L	43.92	0.3404	20,090
Ni2316_A		495.6	ug/L	1.079	0.2177	863.5
Pb2203_A		490.2	ug/L	1.637	0.3340	445.1
Sb2068_A	W	469.0	ug/L	1.205	0.2570	137.7
Se1960_A		475.2	ug/L	4.052	0.8528	74.26
Si2516_R		12,510	ug/L	93.75	0.7495	1,187
Sn1899_A		492.4	ug/L	0.5376	0.1092	193.8
Sr4215_R	W	531.7	ug/L	0.9955	0.1872	21,080
Ti3349_A		488.9	ug/L	1.184	0.2423	15,820
Tl1908_A		493.4	ug/L	1.735	0.3517	175.7
V_2924_A		484.3	ug/L	1.974	0.4076	7,832
Zn2062_A		480.6	ug/L	1.065	0.2217	1,092
Y_3600_R		13,331	Cts/S	118.37	0.88790	13,331
Y_2243_A		7,824.1	Cts/S	15.459	0.19758	7,824.1
Y_3600_A		290,600	Cts/S	277.61	0.095532	290,600

CCB

Method Name: K6010-2011

Method Revision: 1,301

CCB

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 8:12:43PM

Method Revision: 1,301

Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.02233	ug/L	0.1306	584.9	5.388
Al3961_R		5.292	ug/L	22.59	426.9	-5.576
As1891_A		0.5125	ug/L	0.9987	194.9	0.8411
Au2427_A		0.5443	ug/L	0.8407	154.4	4.050
B_2089_A		0.8701	ug/L	0.3086	35.46	3.694
Ba4554_R		0.2565	ug/L	0.03359	13.10	31.77
Be3130_R		0.1347	ug/L	0.03748	27.82	-6.060
Ca3158_R		4.092	ug/L	7.401	180.9	-11.44
Cd2265_A		0.07343	ug/L	0.01256	17.11	-1.646
Co2286_A		0.02134	ug/L	0.03545	166.1	2.616
Cr2677_A		0.1866	ug/L	0.1812	97.12	9.515
Cu3273_A		-0.04979	ug/L	0.2348	471.6	-34.44
Fe2599_R		1.370	ug/L	3.477	253.8	10.59
K_7664_R		22.92	ug/L	21.46	93.60	-38.29
Li6707_R		1.576	ug/L	0.3618	22.95	2.114
Mg2025_A		2.539	ug/L	1.317	51.87	-3.025
Mn2576_R		-0.3149	ug/L	1.043	331.2	0.6567
Mo2020_A		2.374	ug/L	0.9911	41.75	7.240
Na5895_R		7.356	ug/L	7.753	105.4	36.76
Ni2316_A		0.5884	ug/L	0.2180	37.06	0.9477
Pb2203_A		1.437	ug/L	1.002	69.76	-0.4458
Sb2068_A		1.124	ug/L	0.1569	13.96	0.9643
Se1960_A		3.880	ug/L	1.265	32.59	1.870
Si2516_R		10.44	ug/L	17.23	165.1	2.593
Sn1899_A		0.7859	ug/L	0.5762	73.31	1.050
Sr4215_R		0.1445	ug/L	0.1106	76.54	-49.64
Ti3349_A		0.8155	ug/L	0.02364	2.898	13.85
Tl1908_A		-0.6792	ug/L	0.8672	127.7	-1.265
V_2924_A		0.04477	ug/L	0.2425	541.6	2.492
Zn2062_A		0.1181	ug/L	0.02827	23.94	0.8052
Y_3600_R		13,182	Cts/S	119.05	0.90310	13,182
Y_2243_A		7,932.2	Cts/S	5.1961	0.065507	7,932.2
Y_3600_A		288,670	Cts/S	1,516.1	0.52519	288,670

SH4401-007S

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 8:17:24PM

Method Revision: 1,301

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		48.74	ug/L	0.05207	0.1068	1,037
Al3961_R		2,031	ug/L	11.06	0.5447	1,008
As1891_A		90.16	ug/L	1.820	2.019	22.62
Au2427_A		-1.014	ug/L	0.3138	30.94	1.986
B_2089_A		462.3	ug/L	1.480	0.3202	412.8
Ba4554_R	W	2,042	ug/L	9.481	0.4642	75,570
Be3130_R		49.18	ug/L	0.07829	0.1592	1,977
Ca3158_R		7,068	ug/L	38.22	0.5408	3,790
Cd2265_A		244.6	ug/L	0.7095	0.2900	3,127
Co2286_A		483.6	ug/L	1.389	0.2872	1,678
Cr2677_A		204.5	ug/L	0.2064	0.1009	2,990
Cu3273_A		242.9	ug/L	0.5889	0.2424	3,406
Fe2599_R		1,173	ug/L	16.48	1.406	528.4
K_7664_R		10,510	ug/L	24.59	0.2340	6,096
Li6707_R		539.7	ug/L	2.936	0.5439	4,893
Mg2025_A		6,235	ug/L	15.98	0.2563	998.5
Mn2576_R		942.0	ug/L	7.059	0.7494	1,941
Mo2020_A		295.4	ug/L	1.765	0.5975	485.9

SH4401-007S

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 8:17:24PM

Method Revision: 1,301

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		11,770	ug/L	62.17	0.5280	18,030
Ni2316_A		497.7	ug/L	0.6012	0.1208	867.7
Pb2203_A		96.66	ug/L	0.6539	0.6765	86.19
Sb2068_A		89.55	ug/L	0.2974	0.3321	25.76
Se1960_A		93.39	ug/L	1.704	1.825	15.58
Si2516_R		7,828	ug/L	6.973	0.08908	731.0
Sn1899_A		492.3	ug/L	0.3198	0.06495	193.8
Sr4215_R		575.2	ug/L	0.2101	0.03652	22,430
Ti3349_A		492.9	ug/L	1.962	0.3980	15,880
Tl1908_A		87.39	ug/L	0.9015	1.032	29.85
V_2924_A		490.8	ug/L	0.07260	0.01479	7,950
Zn2062_A		477.0	ug/L	2.823	0.5918	1,085
Y_3600_R		13,109	Cts/S	10.177	0.077631	13,109
Y_2243_A		7,824.9	Cts/S	4.0641	0.051937	7,824.9
Y_3600_A		289,500	Cts/S	152.21	0.052578	289,500

SH4401-007P

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 8:21:57PM

Method Revision: 1,301

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		48.97	ug/L	0.1358	0.2774	1,039
Al3961_R		2,043	ug/L	34.10	1.669	1,012
As1891_A		89.61	ug/L	1.114	1.243	22.65
Au2427_A		-0.7072	ug/L	0.5494	77.68	3.084
B_2089_A		445.0	ug/L	0.5125	0.1152	400.4
Ba4554_R	W	2,040	ug/L	14.08	0.6905	75,320
Be3130_R		49.32	ug/L	0.06436	0.1305	1,979
Ca3158_R		7,115	ug/L	45.72	0.6425	3,808
Cd2265_A		253.4	ug/L	0.5623	0.2219	3,264
Co2286_A		479.4	ug/L	1.827	0.3810	1,676
Cr2677_A		205.7	ug/L	1.210	0.5880	3,000
Cu3273_A		662.3	ug/L	1.326	0.2001	9,349
Fe2599_R		1,178	ug/L	12.36	1.050	529.8
K_7664_R		10,950	ug/L	139.8	1.276	6,343
Li6707_R		529.3	ug/L	3.700	0.6991	4,789
Mg2025_A		6,382	ug/L	8.072	0.1265	1,029
Mn2576_R		942.5	ug/L	12.02	1.275	1,938
Mo2020_A		284.5	ug/L	0.9972	0.3505	471.6
Na5895_R		12,000	ug/L	68.69	0.5723	18,350
Ni2316_A		498.0	ug/L	0.2624	0.05270	874.8
Pb2203_A		99.06	ug/L	0.4898	0.4945	89.00
Sb2068_A		92.77	ug/L	0.1960	0.2113	26.90
Se1960_A		98.32	ug/L	0.4577	0.4655	16.46
Si2516_R		7,664	ug/L	7.231	0.09436	714.4
Sn1899_A		494.0	ug/L	1.901	0.3848	195.9
Sr4215_R		559.3	ug/L	5.071	0.9067	21,770
Ti3349_A		482.9	ug/L	2.065	0.4277	15,520
Tl1908_A		98.50	ug/L	0.7020	0.7127	34.07
V_2924_A		493.8	ug/L	2.105	0.4262	7,979
Zn2062_A		476.0	ug/L	2.344	0.4924	1,090
Y_3600_R		13,084	Cts/S	17.526	0.13395	13,084
Y_2243_A		7,884.2	Cts/S	5.4528	0.069161	7,884.2
Y_3600_A		288,720	Cts/S	942.71	0.32651	288,720

SH4401-008

Method Name: K6010-2011

Method Revision: 1,301

SH4401-008

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 8:26:31PM

Method Revision: 1,301

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.2717	ug/L	0.1176	43.28	-5.025
Al3961_R		268.8	ug/L	7.176	2.670	124.9
As1891_A		-1.276	ug/L	0.6781	53.13	0.3861
Au2427_A		-1.984	ug/L	0.1355	6.833	0.1375
B_2089_A		6.064	ug/L	0.2345	3.867	8.250
Ba4554_R		7.672	ug/L	0.1123	1.464	304.7
Be3130_R		0.1618	ug/L	0.05240	32.39	-5.163
Ca3158_R		3,777	ug/L	9.167	0.2427	2,012
Cd2265_A		1.437	ug/L	0.03642	2.534	16.82
Co2286_A		1.384	ug/L	0.04645	3.355	7.549
Cr2677_A		3.211	ug/L	0.1380	4.297	56.82
Cu3273_A		1.262	ug/L	0.5187	41.09	-16.46
Fe2599_R		744.2	ug/L	0.6103	0.08200	337.7
K_7664_R		662.6	ug/L	17.40	2.625	334.8
Li6707_R		2.541	ug/L	3.433	135.1	11.14
Mg2025_A		1,326	ug/L	4.238	0.3196	210.6
Mn2576_R	W	1,497	ug/L	9.631	0.6432	3,073
Mo2020_A		0.4992	ug/L	0.03308	6.626	4.164
Na5895_R		3,961	ug/L	12.77	0.3224	6,061
Ni2316_A		0.8569	ug/L	0.09502	11.09	1.378
Pb2203_A		1.105	ug/L	1.269	114.8	-0.7584
Sb2068_A		-1.851	ug/L	0.3013	16.28	0.1044
Se1960_A		2.532	ug/L	0.7787	30.75	1.657
Si2516_R		3,279	ug/L	6.176	0.1884	305.9
Sn1899_A		0.5324	ug/L	0.3689	69.29	0.9560
Sr4215_R		21.99	ug/L	0.05080	0.2311	801.6
Ti3349_A		10.17	ug/L	0.2164	2.128	319.7
Tl1908_A		-1.977	ug/L	0.01643	0.8311	-2.567
V_2924_A		1.333	ug/L	0.2331	17.49	5.986
Zn2062_A		3.750	ug/L	0.08186	2.183	9.236
Y_3600_R		13,061	Cts/S	251.69	1.9270	13,061
Y_2243_A		7,991.0	Cts/S	7.3616	0.092123	7,991.0
Y_3600_A		293,410	Cts/S	113.50	0.038683	293,410

SH4401-009

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 8:31:11PM

Method Revision: 1,301

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.2623	ug/L	0.04249	16.20	-3.575
Al3961_R		46.23	ug/L	0.9852	2.131	14.59
As1891_A		-1.630	ug/L	0.5540	33.98	0.3012
Au2427_A		-2.403	ug/L	0.05494	2.286	-1.200
B_2089_A		6.157	ug/L	0.3892	6.321	8.255
Ba4554_R		4.708	ug/L	0.2002	4.253	194.9
Be3130_R		0.1860	ug/L	0.01926	10.35	-3.902
Ca3158_R		4,146	ug/L	3.953	0.09535	2,203
Cd2265_A		0.1731	ug/L	0.05683	32.82	0.1193
Co2286_A		1.263	ug/L	0.07664	6.068	7.005
Cr2677_A		3.326	ug/L	0.3149	9.468	57.75
Cu3273_A		0.7619	ug/L	0.1748	22.94	-22.96
Fe2599_R		539.4	ug/L	9.901	1.836	246.7
K_7664_R		730.0	ug/L	22.72	3.113	373.0
Li6707_R		0.7950	ug/L	0.6303	79.29	-4.965
Mg2025_A		1,409	ug/L	4.425	0.3139	223.1
Mn2576_R	W	1,574	ug/L	6.664	0.4233	3,221
Mo2020_A		-0.7726	ug/L	0.1281	16.59	2.034

SH4401-009

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 8:31:11PM

Method Revision: 1,301

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		4,459	ug/L	16.82	0.3771	6,799
Ni2316_A		0.8491	ug/L	0.3054	35.96	1.369
Pb2203_A		0.3634	ug/L	0.2706	74.47	-1.429
Sb2068_A		-0.5678	ug/L	0.6206	109.3	0.4820
Se1960_A		1.659	ug/L	1.245	75.04	1.511
Si2516_R		3,384	ug/L	45.94	1.358	314.6
Sn1899_A		0.8090	ug/L	0.3781	46.73	1.062
Sr4215_R		23.42	ug/L	0.2635	1.125	854.9
Ti3349_A		0.6171	ug/L	0.05464	8.854	7.463
Tl1908_A		-1.435	ug/L	0.3902	27.19	-2.395
V_2924_A		0.4114	ug/L	0.2290	55.67	-9.979
Zn2062_A		4.200	ug/L	0.04432	1.055	10.24
Y_3600_R		13,020	Cts/S	70.922	0.54471	13,020
Y_2243_A		7,958.0	Cts/S	9.4908	0.11926	7,958.0
Y_3600_A		289,160	Cts/S	5,228.4	1.8082	289,160

SH4401-010

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 8:35:49PM

Method Revision: 1,301

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.4268	ug/L	0.1811	42.43	-12.39
Al3961_R		89.02	ug/L	4.012	4.507	35.70
As1891_A		1.252	ug/L	0.1840	14.70	0.9886
Au2427_A		-0.6918	ug/L	0.5139	74.28	1.025
B_2089_A		6.926	ug/L	0.1321	1.908	8.965
Ba4554_R		3.739	ug/L	0.1271	3.399	159.2
Be3130_R		0.1537	ug/L	0.03104	20.20	-5.217
Ca3158_R		6,530	ug/L	33.58	0.5142	3,475
Cd2265_A		0.09564	ug/L	0.01582	16.55	-0.02543
Co2286_A		1.758	ug/L	0.03604	2.051	8.827
Cr2677_A		3.800	ug/L	0.1358	3.572	62.62
Cu3273_A		1.889	ug/L	0.2387	12.64	-7.100
Fe2599_R		1,521	ug/L	0.2893	0.01902	677.4
K_7664_R		735.0	ug/L	16.74	2.278	375.7
Li6707_R		3.814	ug/L	1.833	48.06	22.35
Mg2025_A		1,515	ug/L	1.604	0.1059	241.1
Mn2576_R		208.3	ug/L	2.766	1.328	427.0
Mo2020_A		-0.9905	ug/L	0.05186	5.235	1.679
Na5895_R		4,601	ug/L	46.83	1.018	7,012
Ni2316_A		1.800	ug/L	0.2968	16.49	3.000
Pb2203_A		0.9260	ug/L	1.109	119.8	-0.8810
Sb2068_A		-1.846	ug/L	0.2002	10.85	0.1131
Se1960_A		-0.9607	ug/L	1.350	140.5	1.126
Si2516_R		3,571	ug/L	37.79	1.058	331.7
Sn1899_A		0.6818	ug/L	0.4576	67.12	1.016
Sr4215_R		22.51	ug/L	0.3196	1.420	818.9
Ti3349_A		1.526	ug/L	0.2160	14.15	36.79
Tl1908_A		-2.228	ug/L	0.6537	29.34	-1.959
V_2924_A		0.7580	ug/L	0.06559	8.653	12.06
Zn2062_A		2.072	ug/L	0.1064	5.134	5.341
Y_3600_R		13,014	Cts/S	76.677	0.58918	13,014
Y_2243_A		7,993.8	Cts/S	8.3320	0.10423	7,993.8
Y_3600_A		289,680	Cts/S	165.72	0.057207	289,680

SH4401-011

Method Name: K6010-2011

Method Revision: 1,301

SH4401-011

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 8:40:29PM

Method Revision: 1,301

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.3591	ug/L	0.009358	2.606	-10.28
Al3961_R		20.50	ug/L	16.47	80.30	1.843
As1891_A		1.087	ug/L	0.8225	75.70	0.9500
Au2427_A		0.3184	ug/L	0.7462	234.4	4.550
B_2089_A		6.971	ug/L	0.02451	0.3515	8.994
Ba4554_R		3.328	ug/L	0.2771	8.327	142.6
Be3130_R		0.1206	ug/L	0.02210	18.32	-6.439
Ca3158_R		6,460	ug/L	91.98	1.424	3,401
Cd2265_A		0.09361	ug/L	0.08804	94.05	-0.1563
Co2286_A		1.561	ug/L	0.1159	7.428	8.115
Cr2677_A		1.266	ug/L	0.2449	19.34	25.62
Cu3273_A		1.094	ug/L	0.07984	7.301	-18.34
Fe2599_R		1,402	ug/L	30.08	2.146	618.5
K_7664_R		715.3	ug/L	3.964	0.5541	360.4
Li6707_R		3.757	ug/L	0.7998	21.29	21.55
Mg2025_A		1,469	ug/L	0.6009	0.04091	233.7
Mn2576_R		202.6	ug/L	2.288	1.129	411.0
Mo2020_A		-1.260	ug/L	0.04682	3.715	1.228
Na5895_R		4,552	ug/L	35.88	0.7883	6,863
Ni2316_A		0.8100	ug/L	0.3347	41.32	1.247
Pb2203_A		0.2081	ug/L	0.6390	307.0	-1.546
Sb2068_A		-0.5811	ug/L	0.5371	92.42	0.4821
Se1960_A		2.649	ug/L	0.5356	20.22	1.691
Si2516_R		3,445	ug/L	65.63	1.905	316.7
Sn1899_A		-0.01080	ug/L	0.2646	2,450	0.7387
Sr4215_R		22.11	ug/L	0.4215	1.906	794.9
Ti3349_A		-0.04911	ug/L	0.05838	118.9	-14.04
Tl1908_A		-1.903	ug/L	1.009	53.02	-1.836
V_2924_A		0.7175	ug/L	0.1156	16.11	11.65
Zn2062_A		2.243	ug/L	0.02111	0.9409	5.743
Y_3600_R		12,875	Cts/S	37.065	0.28787	12,875
Y_2243_A		7,992.0	Cts/S	19.995	0.25019	7,992.0
Y_3600_A		289,360	Cts/S	932.15	0.32214	289,360

SH4401-012

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 8:45:09PM

Method Revision: 1,301

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.1034	ug/L	0.07100	68.70	7.138
Al3961_R		18.69	ug/L	6.427	34.38	0.9373
As1891_A		-2.826	ug/L	0.1919	6.793	0.02124
Au2427_A		-0.06976	ug/L	0.5717	819.5	1.950
B_2089_A		5.337	ug/L	0.1522	2.851	7.598
Ba4554_R		0.9152	ug/L	0.1236	13.50	54.64
Be3130_R		0.2097	ug/L	0.001825	0.8703	-2.889
Ca3158_R		2,945	ug/L	26.59	0.9027	1,535
Cd2265_A		0.07160	ug/L	0.07466	104.3	-1.693
Co2286_A		-0.08225	ug/L	0.09191	111.7	2.279
Cr2677_A		1.410	ug/L	0.1249	8.861	27.40
Cu3273_A		0.9857	ug/L	0.01794	1.820	-19.78
Fe2599_R		4.177	ug/L	3.388	81.11	11.50
K_7664_R		518.8	ug/L	29.61	5.708	246.1
Li6707_R		1.738	ug/L	2.259	129.9	3.378
Mg2025_A		957.8	ug/L	1.228	0.1282	152.3
Mn2576_R		11.56	ug/L	0.1957	1.693	24.51
Mo2020_A		-1.572	ug/L	0.03494	2.223	0.7141

SH4401-012

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 8:45:09PM

Method Revision: 1,301

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		3,198	ug/L	0.6560	0.02051	4,804
Ni2316_A		-0.1807	ug/L	0.07542	41.74	-0.4263
Pb2203_A		0.6434	ug/L	0.6844	106.4	-1.197
Sb2068_A		0.3015	ug/L	0.2175	72.15	0.7415
Se1960_A		1.687	ug/L	0.4131	24.49	1.552
Si2516_R		3,387	ug/L	44.98	1.328	309.7
Sn1899_A		-0.2635	ug/L	0.6584	249.9	0.6423
Sr4215_R		12.75	ug/L	0.3368	2.642	433.2
Ti3349_A		-0.05483	ug/L	0.05096	92.95	-14.24
Tl1908_A		-1.197	ug/L	0.8575	71.62	-1.482
V_2924_A		-0.07980	ug/L	0.4705	589.6	0.7951
Zn2062_A		3.227	ug/L	0.002246	0.06960	8.091
Y_3600_R		12,808	Cts/S	167.34	1.3065	12,808
Y_2243_A		8,055.6	Cts/S	10.616	0.13178	8,055.6
Y_3600_A		289,740	Cts/S	1,448.9	0.50009	289,740

SH4401-013

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 8:49:49PM

Method Revision: 1,301

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.4090	ug/L	0.08891	21.74	-3.863
Al3961_R		34.11	ug/L	8.033	23.55	8.491
As1891_A		-2.420	ug/L	1.164	48.10	0.1224
Au2427_A		0.05906	ug/L	0.1829	309.6	2.413
B_2089_A		5.343	ug/L	0.6541	12.24	7.617
Ba4554_R		1.121	ug/L	0.04491	4.006	62.49
Be3130_R		0.1450	ug/L	0.02515	17.34	-5.473
Ca3158_R		2,990	ug/L	12.03	0.4025	1,569
Cd2265_A		0.004916	ug/L	0.01361	276.8	-2.579
Co2286_A		-0.2212	ug/L	0.1440	65.12	1.784
Cr2677_A		1.304	ug/L	0.03953	3.031	26.39
Cu3273_A		1.810	ug/L	0.2164	11.96	-8.188
Fe2599_R		-1.652	ug/L	6.126	370.8	9.036
K_7664_R		536.1	ug/L	1.719	0.3207	257.7
Li6707_R		0.7716	ug/L	0.5171	67.02	-5.093
Mg2025_A		982.6	ug/L	4.114	0.4186	156.4
Mn2576_R		12.65	ug/L	0.4358	3.445	26.88
Mo2020_A		-1.319	ug/L	0.1051	7.970	1.141
Na5895_R		3,305	ug/L	4.311	0.1304	4,994
Ni2316_A		0.2090	ug/L	0.1633	78.14	0.2739
Pb2203_A		-0.02764	ug/L	0.01333	48.23	-1.833
Sb2068_A		-0.5487	ug/L	0.8741	159.3	0.4840
Se1960_A		-2.794	ug/L	0.4173	14.94	0.8447
Si2516_R		3,515	ug/L	38.92	1.107	323.5
Sn1899_A		0.3411	ug/L	0.1893	55.50	0.8871
Sr4215_R		13.42	ug/L	0.2977	2.218	461.8
Ti3349_A		-0.2914	ug/L	0.2390	82.04	-22.33
Tl1908_A		-1.345	ug/L	0.9310	69.24	-1.538
V_2924_A		-0.01359	ug/L	0.4421	3,254	1.865
Zn2062_A		2.862	ug/L	0.08679	3.033	7.242
Y_3600_R		12,888	Cts/S	88.199	0.68433	12,888
Y_2243_A		8,060.8	Cts/S	12.166	0.15092	8,060.8
Y_3600_A		295,560	Cts/S	1,123.0	0.37996	295,560

SH4401-014

Method Name: K6010-2011

Method Revision: 1,301

SH4401-014

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 8:54:29PM

Method Revision: 1,301

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.2858	ug/L	0.3240	113.4	-9.350
Al3961_R		101.1	ug/L	5.193	5.138	41.30
As1891_A		1.202	ug/L	0.04176	3.475	0.9772
Au2427_A		0.7657	ug/L	0.6954	90.81	6.250
B_2089_A		6.541	ug/L	0.1516	2.317	8.617
Ba4554_R		4.887	ug/L	0.1432	2.931	199.8
Be3130_R		0.1735	ug/L	0.06935	39.96	-4.380
Ca3158_R		6,721	ug/L	44.62	0.6639	3,549
Cd2265_A		0.08601	ug/L	0.03627	42.17	-0.1520
Co2286_A		1.535	ug/L	0.01186	0.7724	8.053
Cr2677_A		1.999	ug/L	0.04638	2.320	36.44
Cu3273_A		1.551	ug/L	0.3310	21.34	-11.95
Fe2599_R		1,517	ug/L	15.54	1.024	670.5
K_7664_R		727.6	ug/L	0.2466	0.03390	368.5
Li6707_R		2.498	ug/L	0.01157	0.4632	10.34
Mg2025_A		1,540	ug/L	3.602	0.2339	245.4
Mn2576_R		217.1	ug/L	0.4725	0.2177	441.5
Mo2020_A		-1.486	ug/L	0.1524	10.25	0.8513
Na5895_R		4,749	ug/L	27.76	0.5844	7,178
Ni2316_A		1.009	ug/L	0.08661	8.581	1.594
Pb2203_A		0.9550	ug/L	0.7735	80.99	-0.8558
Sb2068_A		-1.418	ug/L	0.6898	48.64	0.2357
Se1960_A		1.811	ug/L	1.440	79.51	1.562
Si2516_R		3,683	ug/L	4.359	0.1183	339.4
Sn1899_A		0.3184	ug/L	0.7308	229.5	0.8722
Sr4215_R		22.86	ug/L	0.09446	0.4132	825.9
Ti3349_A		1.706	ug/L	0.1083	6.349	42.66
Tl1908_A		-2.177	ug/L	1.141	52.39	-1.949
V_2924_A		0.8761	ug/L	0.03159	3.606	14.12
Zn2062_A		1.830	ug/L	0.2324	12.70	4.786
Y_3600_R		12,910	Cts/S	77.390	0.59945	12,910
Y_2243_A		8,002.9	Cts/S	34.815	0.43503	8,002.9
Y_3600_A		290,240	Cts/S	2,023.1	0.69706	290,240

SH4401-015

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 8:59:08PM

Method Revision: 1,301

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.1450	ug/L	0.2478	170.8	-5.488
Al3961_R		39.41	ug/L	14.55	36.91	10.93
As1891_A		1.047	ug/L	1.250	119.4	0.9435
Au2427_A		-0.03820	ug/L	1.329	3,480	3.275
B_2089_A		6.372	ug/L	0.07150	1.122	8.470
Ba4554_R		3.094	ug/L	0.05568	1.799	132.2
Be3130_R		0.2022	ug/L	0.1211	59.88	-3.146
Ca3158_R		6,382	ug/L	42.70	0.6690	3,311
Cd2265_A		0.1042	ug/L	0.02106	20.20	-0.04260
Co2286_A		1.451	ug/L	0.05311	3.661	7.740
Cr2677_A		-0.4020	ug/L	0.01058	2.631	1.315
Cu3273_A		0.4012	ug/L	0.08371	20.87	-27.93
Fe2599_R		1,375	ug/L	13.22	0.9616	597.9
K_7664_R		684.4	ug/L	26.46	3.866	337.6
Li6707_R		3.825	ug/L	0.5446	14.24	21.83
Mg2025_A		1,451	ug/L	3.086	0.2126	231.3
Mn2576_R		205.8	ug/L	0.9017	0.4381	411.3
Mo2020_A		-1.608	ug/L	0.2429	15.11	0.6484

SH4401-015

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 8:59:08PM

Method Revision: 1,301

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		4,475	ug/L	51.30	1.146	6,649
Ni2316_A		0.09568	ug/L	0.08915	93.18	-0.02454
Pb2203_A		0.3939	ug/L	0.04864	12.35	-1.377
Sb2068_A		-1.746	ug/L	0.5485	31.42	0.1277
Se1960_A		0.2466	ug/L	1.107	449.1	1.317
Si2516_R		3,428	ug/L	1.895	0.05529	310.5
Sn1899_A		0.4887	ug/L	0.5604	114.7	0.9410
Sr4215_R		21.69	ug/L	0.05894	0.2718	767.2
Ti3349_A		-0.1955	ug/L	0.04284	21.91	-18.60
Tl1908_A		-1.517	ug/L	0.3220	21.22	-1.700
V_2924_A		0.6769	ug/L	0.2242	33.12	11.04
Zn2062_A		1.790	ug/L	0.07505	4.192	4.705
Y_3600_R		12,687	Cts/S	31.858	0.25112	12,687
Y_2243_A		8,008.9	Cts/S	26.184	0.32693	8,008.9
Y_3600_A		286,750	Cts/S	1,743.0	0.60785	286,750

CCV

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 9:03:46PM

Method Revision: 1,301

Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		519.2	ug/L	2.301	0.4432	10,750
Al3961_R		12,440	ug/L	68.12	0.5474	6,017
As1891_A	F	445.3	ug/L	3.723	0.8360	109.9
Au2427_A		476.5	ug/L	5.065	1.063	1,694
B_2089_A	W	464.8	ug/L	0.2719	0.05850	426.7
Ba4554_R		514.1	ug/L	4.263	0.8293	18,520
Be3130_R		489.7	ug/L	3.215	0.6566	19,300
Ca3158_R	W	13,280	ug/L	14.60	0.1099	6,938
Cd2265_A		481.6	ug/L	0.8555	0.1776	6,257
Co2286_A	W	469.1	ug/L	1.306	0.2783	1,652
Cr2677_A		513.1	ug/L	2.276	0.4436	7,290
Cu3273_A		492.6	ug/L	1.107	0.2247	6,777
Fe2599_R		12,380	ug/L	62.45	0.5045	5,332
K_7664_R	W	13,200	ug/L	118.0	0.8943	7,455
Li6707_R	F	579.9	ug/L	2.980	0.5139	5,114
Mg2025_A		12,330	ug/L	4.176	0.03388	1,990
Mn2576_R		499.9	ug/L	5.507	1.102	1,002
Mo2020_A	W	465.6	ug/L	4.245	0.9117	775.2
Na5895_R	W	13,250	ug/L	55.88	0.4216	19,740
Ni2316_A		493.3	ug/L	0.4938	0.1001	872.2
Pb2203_A		479.6	ug/L	2.623	0.5470	441.7
Sb2068_A	W	448.1	ug/L	0.5475	0.1222	133.6
Se1960_A	W	454.9	ug/L	4.779	1.051	72.18
Si2516_R		12,870	ug/L	12.24	0.09508	1,167
Sn1899_A		482.6	ug/L	0.7756	0.1607	192.7
Sr4215_R	F	561.4	ug/L	2.512	0.4475	21,290
Ti3349_A		484.4	ug/L	3.569	0.7367	15,210
Tl1908_A		478.3	ug/L	0.2398	0.05012	172.8
V_2924_A		487.7	ug/L	1.256	0.2575	7,653
Zn2062_A	W	463.6	ug/L	2.135	0.4605	1,069
Y_3600_R		12,747	Cts/S	218.52	1.7143	12,747
Y_2243_A		7,939.3	Cts/S	21.532	0.27121	7,939.3
Y_3600_A		281,880	Cts/S	662.08	0.23488	281,880

CCB

Method Name: K6010-2011

Method Revision: 1,301

CCB

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 9:08:14PM

Method Revision: 1,301

Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.3232	ug/L	0.2328	72.02	-2.025
Al3961_R		4.941	ug/L	8.030	162.5	-5.714
As1891_A		0.6480	ug/L	0.9266	143.0	0.8935
Au2427_A		0.1501	ug/L	0.2234	148.8	2.713
B_2089_A		0.1997	ug/L	0.5032	252.0	3.158
Ba4554_R		0.02591	ug/L	0.1279	493.5	22.74
Be3130_R		0.2609	ug/L	0.03421	13.11	-0.8837
Ca3158_R		14.81	ug/L	2.551	17.23	-5.518
Cd2265_A		0.06824	ug/L	0.004569	6.697	-1.748
Co2286_A		-0.01306	ug/L	0.1566	1,200	2.547
Cr2677_A		0.03423	ug/L	0.02137	62.44	7.356
Cu3273_A		0.5217	ug/L	0.08584	16.45	-26.54
Fe2599_R		4.161	ug/L	5.493	132.0	11.61
K_7664_R		-7.258	ug/L	3.094	42.63	-54.94
Li6707_R		2.090	ug/L	2.479	118.6	6.746
Mg2025_A		1.530	ug/L	0.3756	24.55	-3.260
Mn2576_R		-1.103	ug/L	0.1531	13.87	-0.9667
Mo2020_A		1.895	ug/L	0.6352	33.51	6.589
Na5895_R		1.074	ug/L	14.48	1,348	26.59
Ni2316_A		0.1984	ug/L	0.02887	14.55	0.2630
Pb2203_A		0.6431	ug/L	0.006493	1.010	-1.207
Sb2068_A		-1.445	ug/L	0.3859	26.71	0.2102
Se1960_A		4.223	ug/L	2.685	63.59	1.966
Si2516_R		10.69	ug/L	21.18	198.1	2.556
Sn1899_A		-0.06023	ug/L	0.8277	1,374	0.7285
Sr4215_R		0.1853	ug/L	0.09015	48.66	-47.13
Ti3349_A		0.5316	ug/L	0.1489	28.01	4.775
Tl1908_A		-0.8215	ug/L	0.1639	19.95	-1.345
V_2924_A		0.1725	ug/L	0.5635	326.7	4.745
Zn2062_A		-0.09560	ug/L	0.09294	97.22	0.3203
Y_3600_R		12,937	Cts/S	61.460	0.47507	12,937
Y_2243_A		8,106.2	Cts/S	25.572	0.31546	8,106.2
Y_3600_A		291,230	Cts/S	2,397.4	0.82321	291,230

SH4401-016

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 9:12:54PM

Method Revision: 1,301

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.09361	ug/L	0.4800	512.8	2.188
Al3961_R		276.0	ug/L	9.971	3.613	124.8
As1891_A		-1.541	ug/L	0.6799	44.11	0.3399
Au2427_A		-0.1256	ug/L	0.8118	646.5	1.863
B_2089_A		6.180	ug/L	0.02093	0.3387	8.402
Ba4554_R		6.724	ug/L	0.1616	2.404	262.1
Be3130_R		0.2587	ug/L	0.04994	19.30	-1.088
Ca3158_R		1,152	ug/L	16.70	1.449	587.0
Cd2265_A		0.06813	ug/L	0.04251	62.40	-1.625
Co2286_A		0.6067	ug/L	0.09506	15.67	4.797
Cr2677_A		0.1704	ug/L	0.05982	35.11	9.274
Cu3273_A		1.085	ug/L	0.1381	12.73	-18.41
Fe2599_R		128.5	ug/L	3.959	3.080	64.64
K_7664_R		189.6	ug/L	15.89	8.380	57.60
Li6707_R		3.749	ug/L	0.7478	19.95	21.13
Mg2025_A		866.6	ug/L	2.000	0.2308	137.7
Mn2576_R		28.74	ug/L	0.7068	2.459	58.53
Mo2020_A		-0.3917	ug/L	0.2880	73.51	2.703

SH4401-016

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 9:12:54PM

Method Revision: 1,301

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		6,804	ug/L	34.05	0.5005	10,100
Ni2316_A		1.528	ug/L	0.1994	13.05	2.637
Pb2203_A		0.8433	ug/L	0.5899	69.96	-1.033
Sb2068_A		-0.8915	ug/L	0.4483	50.29	0.3806
Se1960_A		1.266	ug/L	0.3995	31.57	1.489
Si2516_R		3,144	ug/L	58.80	1.870	285.0
Sn1899_A		-0.1953	ug/L	0.3195	163.6	0.6710
Sr4215_R		12.49	ug/L	0.1584	1.268	419.5
Ti3349_A		6.209	ug/L	0.1535	2.472	186.2
Tl1908_A		-2.037	ug/L	0.006528	0.3205	-1.807
V_2924_A		0.3234	ug/L	0.1805	55.80	7.118
Zn2062_A		2.709	ug/L	0.1884	6.953	6.893
Y_3600_R		12,690	Cts/S	132.36	1.0431	12,690
Y_2243_A		8,067.6	Cts/S	2.4753	0.030682	8,067.6
Y_3600_A		287,160	Cts/S	284.69	0.099138	287,160

SH4401-017

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 9:17:35PM

Method Revision: 1,301

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.06067	ug/L	0.06497	107.1	3.225
Al3961_R		145.3	ug/L	15.58	10.72	62.09
As1891_A		-0.9790	ug/L	0.03107	3.173	0.4799
Au2427_A		0.01477	ug/L	0.1228	831.6	2.287
B_2089_A		5.922	ug/L	0.1063	1.794	8.098
Ba4554_R		6.495	ug/L	0.01839	0.2832	254.7
Be3130_R		0.2152	ug/L	0.06136	28.51	-2.686
Ca3158_R		1,174	ug/L	11.41	0.9719	599.9
Cd2265_A		0.1140	ug/L	0.03457	30.32	-1.131
Co2286_A		0.6433	ug/L	0.02020	3.139	4.850
Cr2677_A		-0.08685	ug/L	0.1551	178.5	5.213
Cu3273_A		1.204	ug/L	0.1179	9.793	-15.26
Fe2599_R		4.157	ug/L	5.398	129.8	11.41
K_7664_R		161.0	ug/L	5.230	3.247	41.53
Li6707_R		2.342	ug/L	0.04308	1.840	8.806
Mg2025_A		858.4	ug/L	0.05387	0.006276	135.6
Mn2576_R		25.69	ug/L	0.6641	2.585	52.59
Mo2020_A		-1.281	ug/L	0.4114	32.13	1.199
Na5895_R		6,914	ug/L	65.66	0.9496	10,290
Ni2316_A		1.158	ug/L	0.4517	39.01	1.969
Pb2203_A		0.03970	ug/L	0.1159	292.0	-1.772
Sb2068_A		-0.06279	ug/L	0.3573	569.0	0.6236
Se1960_A		-0.2878	ug/L	0.6354	220.8	1.236
Si2516_R		2,994	ug/L	8.880	0.2966	272.2
Sn1899_A		0.1026	ug/L	0.6143	598.4	0.7873
Sr4215_R		12.39	ug/L	0.01908	0.1540	416.7
Ti3349_A		0.6589	ug/L	0.1919	29.12	7.663
Tl1908_A		-1.625	ug/L	1.164	71.63	-1.641
V_2924_A		-0.07755	ug/L	0.03299	42.55	0.6304
Zn2062_A		2.568	ug/L	0.09508	3.703	6.527
Y_3600_R		12,726	Cts/S	154.45	1.2136	12,726
Y_2243_A		8,024.5	Cts/S	5.0386	0.062790	8,024.5
Y_3600_A		263,600	Cts/S	31,056	11.781	263,600

SH4401-018

Method Name: K6010-2011

Method Revision: 1,301

SH4401-018

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 9:22:15PM

Method Revision: 1,301

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.5322	ug/L	0.01759	3.305	-6.263
Al3961_R		34.19	ug/L	6.211	18.16	8.402
As1891_A		1.972	ug/L	0.8253	41.86	1.193
Au2427_A		-0.4535	ug/L	0.6146	135.5	1.213
B_2089_A		9.671	ug/L	0.06973	0.7210	11.26
Ba4554_R		7.168	ug/L	0.04571	0.6376	277.6
Be3130_R		0.1792	ug/L	0.009401	5.247	-4.037
Ca3158_R	W	41,680	ug/L	230.0	0.5517	21,670
Cd2265_A		0.07447	ug/L	0.03582	48.10	-1.625
Co2286_A		0.8428	ug/L	0.1149	13.63	5.464
Cr2677_A		0.1903	ug/L	0.1438	75.59	9.657
Cu3273_A		0.4859	ug/L	0.1721	35.41	-26.08
Fe2599_R		3.158	ug/L	2.539	80.41	10.95
K_7664_R		1,558	ug/L	7.067	0.4537	830.8
Li6707_R		7.692	ug/L	0.2616	3.401	55.77
Mg2025_A		7,593	ug/L	7.425	0.09779	1,209
Mn2576_R		220.2	ug/L	3.553	1.613	439.6
Mo2020_A		-1.160	ug/L	0.1552	13.38	1.381
Na5895_R		7,850	ug/L	32.21	0.4103	11,630
Ni2316_A		-0.04333	ug/L	0.07288	168.2	-0.1757
Pb2203_A		0.4675	ug/L	0.8571	183.3	-1.339
Sb2068_A		-0.2793	ug/L	0.2203	78.86	0.5502
Se1960_A		0.2933	ug/L	1.198	408.5	1.304
Si2516_R		6,358	ug/L	108.8	1.712	573.9
Sn1899_A		0.1853	ug/L	0.9031	487.3	0.8084
Sr4215_R		121.4	ug/L	0.5241	0.4316	4,534
Ti3349_A		-0.4164	ug/L	0.09094	21.84	-25.14
Tl1908_A		-2.223	ug/L	0.5995	26.97	-1.937
V_2924_A		0.3839	ug/L	0.1808	47.10	5.716
Zn2062_A		4.638	ug/L	0.06715	1.448	11.18
Y_3600_R		12,670	Cts/S	3.9766	0.031385	12,670
Y_2243_A		7,904.3	Cts/S	9.6775	0.12243	7,904.3
Y_3600_A		281,170	Cts/S	829.83	0.29514	281,170

PBSHF19ICS1

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 9:26:56PM

Method Revision: 1,301

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.2837	ug/L	0.1610	56.75	-1.263
Al3961_R		8.401	ug/L	0.3074	3.659	-4.086
As1891_A		-0.1772	ug/L	0.8540	481.9	0.6886
Au2427_A		0.5438	ug/L	0.5364	98.64	4.175
B_2089_A		1.006	ug/L	0.2791	27.75	3.788
Ba4554_R		0.3998	ug/L	0.1481	37.04	36.46
Be3130_R		0.1530	ug/L	0.04063	26.56	-5.191
Ca3158_R		72.03	ug/L	6.224	8.640	24.92
Cd2265_A		0.07221	ug/L	0.04448	61.59	-1.687
Co2286_A		0.1376	ug/L	0.1323	96.16	3.102
Cr2677_A		0.3031	ug/L	0.1341	44.25	11.35
Cu3273_A		0.3218	ug/L	0.007313	2.273	-29.51
Fe2599_R		26.87	ug/L	2.478	9.221	21.55
K_7664_R		-10.06	ug/L	21.50	213.7	-56.65
Li6707_R		1.962	ug/L	2.589	131.9	5.598
Mg2025_A		21.53	ug/L	1.383	6.421	0.004138
Mn2576_R		0.3252	ug/L	0.7427	228.4	1.936
Mo2020_A		-1.502	ug/L	0.09519	6.337	0.8417

PBSHF19ICS1

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 9:26:56PM

Method Revision: 1,301

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		39.72	ug/L	5.193	13.07	85.08
Ni2316_A		0.3256	ug/L	0.1201	36.88	0.4866
Pb2203_A		1.180	ug/L	0.02587	2.193	-0.6990
Sb2068_A		-0.2704	ug/L	0.2684	99.25	0.4986
Se1960_A		-1.913	ug/L	0.02410	1.260	0.9960
Si2516_R		32.01	ug/L	3.071	9.593	4.523
Sn1899_A		24.60	ug/L	0.3215	1.307	10.82
Sr4215_R		0.2446	ug/L	0.08062	32.96	-44.90
Ti3349_A		-0.1368	ug/L	0.03003	21.95	-17.05
Tl1908_A		-0.5316	ug/L	0.3957	74.43	-1.245
V_2924_A		0.1313	ug/L	0.3449	262.7	4.458
Zn2062_A		0.9283	ug/L	0.1192	12.84	2.749
Y_3600_R		12,954	Cts/S	42.558	0.32853	12,954
Y_2243_A		8,159.0	Cts/S	14.812	0.18154	8,159.0
Y_3600_A		292,540	Cts/S	2,243.7	0.76697	292,540

LCSOHF19ICS1

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 9:31:37PM

Method Revision: 1,301

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		54.65	ug/L	0.7074	1.294	1,127
Al3961_R		2,090	ug/L	15.97	0.7639	1,000
As1891_A		89.79	ug/L	0.2638	0.2938	23.19
Au2427_A		-1.255	ug/L	0.3257	25.95	-0.1874
B_2089_A		466.4	ug/L	0.4899	0.1050	428.1
Ba4554_R		2,118	ug/L	18.37	0.8676	75,580
Be3130_R		51.68	ug/L	0.5804	1.123	2,005
Ca3158_R		2,763	ug/L	14.88	0.5384	1,421
Cd2265_A		251.1	ug/L	0.3147	0.1253	3,305
Co2286_A		480.2	ug/L	1.011	0.2104	1,716
Cr2677_A		216.3	ug/L	0.5466	0.2528	3,062
Cu3273_A		262.7	ug/L	2.120	0.8068	3,573
Fe2599_R		1,053	ug/L	20.97	1.991	458.7
K_7664_R		11,030	ug/L	97.86	0.8872	6,173
Li6707_R	W	594.2	ug/L	3.824	0.6436	5,197
Mg2025_A		5,079	ug/L	6.729	0.1325	839.8
Mn2576_R		528.3	ug/L	3.320	0.6285	1,050
Mo2020_A		277.9	ug/L	4.112	1.480	470.8
Na5895_R		7,892	ug/L	74.17	0.9398	11,670
Ni2316_A		516.7	ug/L	0.2395	0.04636	927.5
Pb2203_A		101.0	ug/L	0.01216	0.01204	92.79
Sb2068_A		87.45	ug/L	1.142	1.306	25.84
Se1960_A		94.55	ug/L	2.205	2.332	16.23
Si2516_R	F	2,007	ug/L	21.47	1.069	182.2
Sn1899_A		523.9	ug/L	2.378	0.4539	212.3
Sr4215_R	W	591.9	ug/L	4.605	0.7780	22,270
Ti3349_A		499.1	ug/L	2.957	0.5924	15,580
Tl1908_A		93.03	ug/L	0.1504	0.1616	33.04
V_2924_A		502.8	ug/L	3.781	0.7519	7,899
Zn2062_A		474.2	ug/L	1.130	0.2383	1,110
Y_3600_R		12,644	Cts/S	35.466	0.28049	12,644
Y_2243_A		8,057.3	Cts/S	6.6599	0.082657	8,057.3
Y_3600_A		280,480	Cts/S	1,239.6	0.44196	280,480

LC2OHF19ICS1

Method Name: K6010-2011

Method Revision: 1,301

LC2OHF19ICS1

Method Name: K6010-2011

Method Revision: 1,301

Analyst Name: EAM

Acquire Date: 6/23/2014 9:36:10PM

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		52.89	ug/L	0.02296	0.04340	1,110
Al3961_R		2,075	ug/L	7.437	0.3585	1,010
As1891_A		89.22	ug/L	0.8798	0.9860	22.93
Au2427_A		-0.2333	ug/L	0.01049	4.496	3.446
B_2089_A		469.2	ug/L	0.5920	0.1262	428.5
Ba4554_R		2,113	ug/L	11.32	0.5359	76,730
Be3130_R		51.16	ug/L	0.1567	0.3062	2,019
Ca3158_R		2,738	ug/L	9.345	0.3414	1,433
Cd2265_A		248.5	ug/L	0.2731	0.1099	3,254
Co2286_A		477.4	ug/L	0.9409	0.1971	1,697
Cr2677_A		209.3	ug/L	0.3732	0.1783	3,015
Cu3273_A		255.5	ug/L	0.4562	0.1786	3,534
Fe2599_R		1,051	ug/L	4.806	0.4574	465.6
K_7664_R		10,880	ug/L	51.42	0.4727	6,194
Li6707_R	W	587.0	ug/L	0.4204	0.07163	5,224
Mg2025_A		5,025	ug/L	1.498	0.02981	826.5
Mn2576_R		524.3	ug/L	0.1351	0.02576	1,061
Mo2020_A		284.4	ug/L	2.248	0.7906	479.2
Na5895_R		7,849	ug/L	3.410	0.04344	11,810
Ni2316_A		511.4	ug/L	1.536	0.3004	913.2
Pb2203_A		99.27	ug/L	0.05759	0.05802	90.73
Sb2068_A		86.39	ug/L	0.006150	0.007119	25.38
Se1960_A		94.96	ug/L	1.436	1.512	16.21
Si2516_R	F	2,148	ug/L	13.56	0.6312	198.2
Sn1899_A		517.4	ug/L	0.8976	0.1735	208.5
Sr4215_R	W	589.3	ug/L	1.689	0.2866	22,560
Ti3349_A		489.3	ug/L	2.585	0.5282	15,540
Tl1908_A		90.56	ug/L	0.3860	0.4263	31.96
V_2924_A		491.7	ug/L	1.436	0.2921	7,857
Zn2062_A		466.0	ug/L	0.1881	0.04037	1,085
Y_3600_R		12,866	Cts/S	311.82	2.4235	12,866
Y_2243_A		8,014.9	Cts/S	4.5361	0.056596	8,014.9
Y_3600_A		285,340	Cts/S	1,158.4	0.40598	285,340

SH4016-007

Method Name: K6010-2011

Method Revision: 1,301

Analyst Name: EAM

Acquire Date: 6/23/2014 9:40:43PM

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.4093	ug/L	0.4616	112.8	-570.6
Al3961_R	W	48,010	ug/L	827.8	1.724	25,080
As1891_A		22.13	ug/L	0.2222	1.004	3.912
Au2427_A		-2.375	ug/L	1.761	74.16	46.80
B_2089_A		1.017	ug/L	0.04909	4.825	4.123
Ba4554_R		214.5	ug/L	1.692	0.7889	8,363
Be3130_R		7.240	ug/L	0.1894	2.616	175.7
Ca3158_R		24,450	ug/L	330.0	1.350	13,810
Cd2265_A		0.9688	ug/L	0.08983	9.272	107.4
Co2286_A		18.02	ug/L	0.2725	1.512	109.3
Cr2677_A		55.64	ug/L	0.3713	0.6674	844.3
Cu3273_A		52.02	ug/L	0.5166	0.9931	555.5
Fe2599_R	W	99,280	ug/L	1,802	1.815	46,150
K_7664_R		13,260	ug/L	267.4	2.017	8,097
Li6707_R		249.5	ug/L	4.507	1.806	2,370
Mg2025_A		15,290	ug/L	68.01	0.4448	2,577
Mn2576_R	W	2,013	ug/L	36.77	1.827	4,359
Mo2020_A		5.128	ug/L	0.5377	10.49	12.40

SH4016-007

Method Name: K6010-2011
 Analyst Name: EAM
 Acquire Date: 6/23/2014 9:40:43PM

Method Revision: 1,301

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		1,386	ug/L	26.97	1.945	2,255
Ni2316_A		35.72	ug/L	0.2059	0.5765	59.32
Pb2203_A		52.25	ug/L	0.7893	1.511	47.91
Sb2068_A		-1.753	ug/L	0.06599	3.763	1.457
Se1960_A		-2.979	ug/L	2.449	82.20	1.351
Si2516_R		2,004	ug/L	40.22	2.007	196.7
Sn1899_A		31.38	ug/L	0.6918	2.204	13.91
Sr4215_R		112.1	ug/L	1.569	1.400	4,547
Ti3349_A	W	4,193	ug/L	10.20	0.2432	138,500
Tl1908_A		-2.017	ug/L	0.6557	32.51	-5.226
V_2924_A		103.2	ug/L	0.09999	0.09693	1,761
Zn2062_A		351.8	ug/L	0.3735	0.1062	854.2
Y_3600_R		13,779	Cts/S	248.34	1.8023	13,779
Y_2243_A		8,352.1	Cts/S	10.156	0.12160	8,352.1
Y_3600_A		296,700	Cts/S	49.227	0.016591	296,700

SH4016-029

Method Name: K6010-2011
 Analyst Name: EAM
 Acquire Date: 6/23/2014 9:45:18PM

Method Revision: 1,301

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.2543	ug/L	0.2138	84.06	-421.9
Al3961_R	W	37,860	ug/L	281.7	0.7439	19,420
As1891_A		14.86	ug/L	1.998	13.45	2.698
Au2427_A		-0.8539	ug/L	0.7355	86.14	37.36
B_2089_A		1.276	ug/L	0.2789	21.86	4.159
Ba4554_R		162.1	ug/L	0.9430	0.5818	6,212
Be3130_R		4.826	ug/L	0.06856	1.421	89.55
Ca3158_R		16,160	ug/L	144.0	0.8913	8,962
Cd2265_A		0.5916	ug/L	0.04909	8.298	75.12
Co2286_A		12.95	ug/L	0.1055	0.8141	82.54
Cr2677_A		42.61	ug/L	0.4469	1.049	635.8
Cu3273_A		31.97	ug/L	0.3991	1.248	284.2
Fe2599_R	W	72,190	ug/L	694.4	0.9619	32,960
K_7664_R		12,260	ug/L	51.41	0.4195	7,347
Li6707_R		235.9	ug/L	2.655	1.125	2,201
Mg2025_A		12,380	ug/L	20.90	0.1689	2,049
Mn2576_R	W	1,504	ug/L	7.114	0.4730	3,199
Mo2020_A		1.418	ug/L	0.1682	11.86	5.837
Na5895_R		1,615	ug/L	16.54	1.024	2,577
Ni2316_A		24.95	ug/L	0.5479	2.196	40.49
Pb2203_A		35.37	ug/L	0.3996	1.130	30.95
Sb2068_A		-1.012	ug/L	0.6904	68.21	1.308
Se1960_A		-2.862	ug/L	0.8696	30.38	1.230
Si2516_R		1,942	ug/L	26.95	1.388	187.6
Sn1899_A		31.33	ug/L	0.1295	0.4135	13.65
Sr4215_R		76.31	ug/L	0.5599	0.7336	3,023
Ti3349_A	W	3,550	ug/L	7.370	0.2076	115,100
Tl1908_A		-2.815	ug/L	0.2327	8.269	-4.766
V_2924_A		74.62	ug/L	0.2707	0.3627	1,256
Zn2062_A		256.5	ug/L	0.4223	0.1646	612.3
Y_3600_R		13,533	Cts/S	168.72	1.2467	13,533
Y_2243_A		8,209.0	Cts/S	9.3013	0.11331	8,209.0
Y_3600_A		291,080	Cts/S	387.17	0.13301	291,080

SH4358-001

Method Name: K6010-2011

Method Revision: 1,301

SH4358-001

Method Name: K6010-2011
 Analyst Name: EAM
 Acquire Date: 6/23/2014 9:49:53PM

Method Revision: 1,301

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		4.705	ug/L	0.2488	5.288	-29.72
Al3961_R		9,919	ug/L	139.2	1.404	4,883
As1891_A		6.630	ug/L	1.049	15.82	1.738
Au2427_A		-6.147	ug/L	0.3241	5.272	1.948
B_2089_A		19.47	ug/L	0.1078	0.5535	20.30
Ba4554_R		447.2	ug/L	3.210	0.7178	16,430
Be3130_R		0.4721	ug/L	0.1158	24.53	1.363
Ca3158_R	W	32,980	ug/L	282.9	0.8576	17,590
Cd2265_A		2.294	ug/L	0.0008350	0.03641	49.51
Co2286_A		6.513	ug/L	0.09040	1.388	28.42
Cr2677_A		41.37	ug/L	0.5518	1.334	604.2
Cu3273_A	W	2,135	ug/L	12.75	0.5971	29,760
Fe2599_R		24,850	ug/L	354.0	1.424	10,910
K_7664_R		4,728	ug/L	73.35	1.551	2,692
Li6707_R		15.22	ug/L	1.792	11.77	125.1
Mg2025_A		5,799	ug/L	8.583	0.1480	931.8
Mn2576_R	W	3,326	ug/L	35.53	1.068	6,794
Mo2020_A		6.923	ug/L	0.05936	0.8574	14.87
Na5895_R		2,162	ug/L	6.107	0.2824	3,305
Ni2316_A		30.77	ug/L	0.09138	0.2970	52.94
Pb2203_A		69.60	ug/L	0.1064	0.1528	62.73
Sb2068_A		2.091	ug/L	1.308	62.55	1.463
Se1960_A		7.997	ug/L	0.4626	5.784	2.600
Si2516_R		1,526	ug/L	7.981	0.5230	142.2
Sn1899_A		66.65	ug/L	0.9761	1.464	27.41
Sr4215_R		198.9	ug/L	2.008	1.009	7,658
Ti3349_A		237.4	ug/L	0.2597	0.1094	7,500
Tl1908_A		-0.6784	ug/L	0.4812	70.94	-3.395
V_2924_A		19.46	ug/L	0.2352	1.208	276.7
Zn2062_A	W	1,126	ug/L	0.9080	0.08064	2,613
Y_3600_R		13,003	Cts/S	86.246	0.66327	13,003
Y_2243_A		7,984.1	Cts/S	4.0232	0.050391	7,984.1
Y_3600_A		284,060	Cts/S	3,396.8	1.1958	284,060

SH4360-002

Method Name: K6010-2011
 Analyst Name: EAM
 Acquire Date: 6/23/2014 9:54:28PM

Method Revision: 1,301

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		37.19	ug/L	1.601	4.303	276.4
Al3961_R	W	107,500	ug/L	8,036	7.472	54,820
As1891_A		49.80	ug/L	0.7619	1.530	10.88
Au2427_A		-12.49	ug/L	1.128	9.033	16.09
B_2089_A		359.4	ug/L	3.164	0.8805	314.8
Ba4554_R	W	1,234	ug/L	79.37	6.430	46,860
Be3130_R		3.341	ug/L	0.04459	1.335	44.02
Ca3158_R	W	124,700	ug/L	9,143	7.331	68,810
Cd2265_A		10.22	ug/L	0.3825	3.742	208.0
Co2286_A		29.49	ug/L	0.2536	0.8598	131.9
Cr2677_A		280.2	ug/L	2.916	1.041	3,838
Cu3273_A	W	1,872	ug/L	12.48	0.6665	24,790
Fe2599_R	W	88,930	ug/L	6,764	7.606	40,330
K_7664_R	W	28,570	ug/L	1,930	6.755	17,080
Li6707_R		97.44	ug/L	8.019	8.229	895.4
Mg2025_A	W	26,610	ug/L	84.37	0.3170	4,192
Mn2576_R	W	5,954	ug/L	457.2	7.678	12,570
Mo2020_A		51.77	ug/L	1.204	2.325	87.62

SH4360-002

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 9:54:28PM

Method Revision: 1,301

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		11,490	ug/L	716.8	6.239	18,050
Ni2316_A		144.9	ug/L	1.048	0.7229	246.0
Pb2203_A		281.1	ug/L	1.770	0.6295	246.7
Sb2068_A		9.894	ug/L	2.189	22.13	5.457
Se1960_A		14.37	ug/L	0.07375	0.5132	4.209
Si2516_R		1,149	ug/L	88.13	7.669	110.4
Sn1899_A		141.0	ug/L	2.301	1.632	55.87
Sr4215_R		676.6	ug/L	47.70	7.050	27,070
Ti3349_A	W	3,044	ug/L	10.84	0.3560	91,830
Tl1908_A		-0.3887	ug/L	0.6300	162.1	-6.119
V_2924_A		224.7	ug/L	0.1343	0.05977	3,384
Zn2062_A	W	2,736	ug/L	22.45	0.8207	6,204
Y_3600_R		13,470	Cts/S	759.35	5.6372	13,470
Y_2243_A		7,804.5	Cts/S	41.097	0.52658	7,804.5
Y_3600_A		270,870	Cts/S	1,989.5	0.73449	270,870

CCV

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 9:58:58PM

Method Revision: 1,301

Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		526.5	ug/L	4.311	0.8188	10,860
Al3961_R		12,600	ug/L	111.6	0.8855	6,110
As1891_A	F	438.1	ug/L	4.303	0.9823	108.1
Au2427_A		479.2	ug/L	0.7354	0.1535	1,702
B_2089_A	W	461.7	ug/L	1.159	0.2510	423.7
Ba4554_R		515.4	ug/L	1.019	0.1977	18,610
Be3130_R		495.1	ug/L	3.872	0.7819	19,560
Ca3158_R	W	13,390	ug/L	70.55	0.5267	7,015
Cd2265_A		474.6	ug/L	1.909	0.4022	6,161
Co2286_A	W	461.7	ug/L	1.905	0.4126	1,625
Cr2677_A		507.5	ug/L	3.092	0.6093	7,185
Cu3273_A		501.2	ug/L	4.098	0.8178	6,871
Fe2599_R		12,570	ug/L	223.8	1.781	5,428
K_7664_R	W	13,370	ug/L	93.77	0.7011	7,576
Li6707_R	F	590.5	ug/L	2.685	0.4547	5,221
Mg2025_A		12,300	ug/L	15.29	0.1243	1,984
Mn2576_R		511.5	ug/L	2.041	0.3990	1,028
Mo2020_A	W	465.0	ug/L	4.713	1.014	773.7
Na5895_R	W	13,270	ug/L	48.98	0.3693	19,810
Ni2316_A		492.7	ug/L	0.6855	0.1391	870.4
Pb2203_A		475.5	ug/L	1.572	0.3306	437.7
Sb2068_A	F	441.0	ug/L	0.1882	0.04267	131.4
Se1960_A	W	454.1	ug/L	7.161	1.577	72.02
Si2516_R		12,980	ug/L	203.8	1.570	1,180
Sn1899_A		478.7	ug/L	2.955	0.6174	191.0
Sr4215_R	F	572.4	ug/L	0.6770	0.1183	21,770
Ti3349_A		488.5	ug/L	2.907	0.5951	15,280
Tl1908_A	W	470.9	ug/L	3.265	0.6934	169.9
V_2924_A		483.8	ug/L	3.432	0.7094	7,565
Zn2062_A	W	451.3	ug/L	2.232	0.4945	1,040
Y_3600_R		12,782	Cts/S	173.55	1.3578	12,782
Y_2243_A		7,933.5	Cts/S	9.8783	0.12452	7,933.5
Y_3600_A		280,910	Cts/S	2,235.6	0.79585	280,910

CCB

Method Name: K6010-2011

Method Revision: 1,301

CCB

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 10:03:27PM

Method Revision: 1,301

Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.4630	ug/L	0.1799	38.85	-4.950
Al3961_R		10.69	ug/L	0.2240	2.096	-2.876
As1891_A		0.2341	ug/L	1.081	461.7	0.7861
Au2427_A		0.3320	ug/L	0.7416	223.4	3.363
B_2089_A		0.2093	ug/L	0.3081	147.2	3.144
Ba4554_R		-0.1904	ug/L	0.2114	111.0	14.73
Be3130_R		0.1052	ug/L	0.1054	100.1	-7.078
Ca3158_R		9.029	ug/L	9.555	105.8	-8.510
Cd2265_A		0.1269	ug/L	0.01364	10.75	-0.9637
Co2286_A		-0.1198	ug/L	0.02107	17.58	2.165
Cr2677_A		0.2055	ug/L	0.1500	73.01	9.677
Cu3273_A		0.04609	ug/L	0.1877	407.3	-32.75
Fe2599_R		7.224	ug/L	6.990	96.76	12.90
K_7664_R		-2.809	ug/L	10.06	358.2	-52.06
Li6707_R		0.6564	ug/L	1.290	196.5	-6.189
Mg2025_A		0.6424	ug/L	0.8038	125.1	-3.395
Mn2576_R		0.03765	ug/L	0.5080	1,349	1.339
Mo2020_A		1.628	ug/L	0.7561	46.45	6.110
Na5895_R		-0.6708	ug/L	4.736	706.1	23.84
Ni2316_A		0.2291	ug/L	0.1244	54.30	0.3162
Pb2203_A		0.9507	ug/L	0.1656	17.42	-0.9122
Sb2068_A		-1.500	ug/L	1.423	94.91	0.1937
Se1960_A		4.255	ug/L	1.709	40.16	1.962
Si2516_R		4.001	ug/L	9.858	246.4	1.930
Sn1899_A		0.03598	ug/L	0.5782	1,607	0.7649
Sr4215_R		0.09829	ug/L	0.1828	186.0	-50.24
Ti3349_A		1.511	ug/L	0.09865	6.527	35.83
Tl1908_A		-1.318	ug/L	0.2319	17.59	-1.524
V_2924_A		0.01778	ug/L	0.01576	88.64	2.148
Zn2062_A		-0.1146	ug/L	0.09973	87.02	0.2735
Y_3600_R		12,867	Cts/S	136.83	1.0634	12,867
Y_2243_A		8,072.7	Cts/S	6.0895	0.075432	8,072.7
Y_3600_A		285,710	Cts/S	1,444.8	0.50570	285,710

PBWHF19ICW1

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 6/23/2014 10:08:08PM

Method Revision: 1,301

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.2376	ug/L	0.2301	96.84	-0.4125
Al3961_R		24.59	ug/L	2.065	8.396	3.855
As1891_A		-0.4639	ug/L	0.09752	21.02	0.6123
Au2427_A		-0.1694	ug/L	1.003	592.3	1.588
B_2089_A		0.7278	ug/L	0.3476	47.77	3.526
Ba4554_R		0.2399	ug/L	0.1695	70.65	30.48
Be3130_R		0.2030	ug/L	0.05033	24.79	-3.182
Ca3158_R		16.71	ug/L	3.743	22.40	-4.490
Cd2265_A		0.1366	ug/L	0.008780	6.429	-0.7991
Co2286_A		0.1321	ug/L	0.01006	7.612	3.068
Cr2677_A		-0.3724	ug/L	0.2223	59.70	1.385
Cu3273_A		0.2744	ug/L	0.4142	151.0	-29.71
Fe2599_R	W	52.97	ug/L	1.200	2.265	32.82
K_7664_R		-29.56	ug/L	2.943	9.958	-67.61
Li6707_R		-1.618	ug/L	0.5416	33.47	-26.49
Mg2025_A		12.38	ug/L	0.7652	6.180	-1.493
Mn2576_R		-0.1061	ug/L	0.6070	571.9	1.058
Mo2020_A		-1.236	ug/L	0.2940	23.79	1.287

KATAHDIN ANALYTICAL SERVICES, INC.

METALS ANALYSIS RUN INFORMATION SHEET

INSTR. ID: I Thermo 6500 cup ANALYST: EAM ANALYSIS DATE: 6-26-14

FILE NAME: IHF26A

REVIEWED
MM 7-1-14
KATAHDIN ANALYTICAL
METALS SECTION

METHOD:

ICP

- ☒ 200.7
☒ 6010B
☐ CLP
☐ _____

ICP-MS

- ☐ 200.8
☐ 6020
☐ CLP
☐ _____

CVAA

- ☐ 245.____
☐ 747____
☐ CLP
☐ _____

STANDARDS USED:

Standard Name	Standard ID	Prep Date	Expiration Date	Standard Conc.
Blank/ICB/CCB	MW14887	05-15-14	05-15-15	0 ug/L
Std 1	MW14954	06-25-14	08-08-14	varies by element
ICV	MW14945	06-23-14	06-23-14	
PAL	MW14936	06-12-14	06-27-14	
LR51	MW14956	06-26-14	08-08-14	
LR52	MW14943	06-19-14		
ICSA	MW14930	06-10-14	09-10-14	
IC5AB	MW14918	06-04-14	09-01-14	
CCV	MW14955	06-26-14	01-08-14	
Internal Std	MW14949	06-24-14	09-24-14	✓ 5 mg/L

Additional Comments and Notes:

Sb failed high in CCB's samples w/ sb concentrations
2 PAL were accepted.

Closing PAL failed high for Mn accepted samples
with concentrations > 10x the PAL

MM 7-1-14

INSTRUMENT RUNLOG

Instrument: ICAP 6500

SAMPLE ID	DF	FILE	DATE	TIME	ANALYST
Blank	1.000	IHF26A	6/26/2014	13:16	EAM
Std 1	1.000	IHF26A	6/26/2014	13:21	EAM
ICV	1.000	IHF26A	6/26/2014	13:25	EAM
ICB	1.000	IHF26A	6/26/2014	13:30	EAM
PQL	1.000	IHF26A	6/26/2014	13:34	EAM
LRS1	1.000	IHF26A	6/26/2014	13:39	EAM
LRS2	1.000	IHF26A	6/26/2014	13:44	EAM
ICSA	1.000	IHF26A	6/26/2014	13:53	EAM
ICSAB	1.000	IHF26A	6/26/2014	13:58	EAM
CCV	1.000	IHF26A	6/26/2014	14:02	EAM
CCB	1.000	IHF26A	6/26/2014	14:06	EAM
PBSHF25ICS1	1.000	IHF26A	6/26/2014	14:11	EAM
LCSOHF25ICS1	1.000	IHF26A	6/26/2014	14:16	EAM
SH4493-001	1.000	IHF26A	6/26/2014	14:20	EAM
SH4554-001	25.00	IHF26A	6/26/2014	14:25	EAM
SH4555-001	25.00	IHF26A	6/26/2014	14:30	EAM
SH4556-001	10.00	IHF26A	6/26/2014	14:34	EAM
SH4556-001	50.00	IHF26A	6/26/2014	14:39	EAM
SH4555-001	100.0	IHF26A	6/26/2014	14:44	EAM
CCV	1.000	IHF26A	6/26/2014	14:48	EAM
CCB	1.000	IHF26A	6/26/2014	14:53	EAM
CCV	1.000	IHF26A	6/26/2014	14:57	EAM
CCB	1.000	IHF26A	6/26/2014	15:02	EAM
PBWHF17ICW2	1.000	IHF26A	6/26/2014	15:07	EAM
SH4556-001	100.0	IHF26A	6/26/2014	15:11	EAM
LCSWHF17ICW2	1.000	IHF26A	6/26/2014	15:16	EAM
SH4214-001	1.000	IHF26A	6/26/2014	15:21	EAM
SH4214-003	1.000	IHF26A	6/26/2014	15:25	EAM
SH4214-003L	5.000	IHF26A	6/26/2014	15:30	EAM
SH4214-003A	1.000	IHF26A	6/26/2014	15:34	EAM
SH4214-003S	1.000	IHF26A	6/26/2014	15:39	EAM
SH4214-003P	1.000	IHF26A	6/26/2014	15:44	EAM
SH4214-004	1.000	IHF26A	6/26/2014	15:48	EAM
CCV	1.000	IHF26A	6/26/2014	15:53	EAM
CCB	1.000	IHF26A	6/26/2014	15:57	EAM
SH4214-005	1.000	IHF26A	6/26/2014	16:02	EAM
SH4214-006	1.000	IHF26A	6/26/2014	16:07	EAM
SH4214-007	1.000	IHF26A	6/26/2014	16:11	EAM
SH4214-008	1.000	IHF26A	6/26/2014	16:16	EAM
SH4214-009	1.000	IHF26A	6/26/2014	16:20	EAM
SH4214-010	1.000	IHF26A	6/26/2014	16:25	EAM
SH4214-011	1.000	IHF26A	6/26/2014	16:30	EAM
SH4214-012	1.000	IHF26A	6/26/2014	16:34	EAM
SH4254-022	1.000	IHF26A	6/26/2014	16:39	EAM

SAMPLE ID	DF	FILE	DATE	TIME	ANALYST
SH4254-023	1.000	IHF26A	6/26/2014	16:44	EAM
CCV	1.000	IHF26A	6/26/2014	16:48	EAM
CCB	1.000	IHF26A	6/26/2014	16:53	EAM
SH4254-023L	5.000	IHF26A	6/26/2014	16:57	EAM
SH4254-023A	1.000	IHF26A	6/26/2014	17:02	EAM
SH4254-023S	1.000	IHF26A	6/26/2014	17:07	EAM
SH4254-023P	1.000	IHF26A	6/26/2014	17:11	EAM
SH4254-024	1.000	IHF26A	6/26/2014	17:16	EAM
SH4254-026	1.000	IHF26A	6/26/2014	17:20	EAM
SH4254-027	1.000	IHF26A	6/26/2014	17:25	EAM
SH4254-028	1.000	IHF26A	6/26/2014	17:30	EAM
SH4254-029	1.000	IHF26A	6/26/2014	17:34	EAM
SH4374-004	1.000	IHF26A	6/26/2014	17:39	EAM
CCV	1.000	IHF26A	6/26/2014	17:43	EAM
CCB	1.000	IHF26A	6/26/2014	17:48	EAM
SH4374-004L	5.000	IHF26A	6/26/2014	17:53	EAM
SH4374-004S	1.000	IHF26A	6/26/2014	17:57	EAM
SH4374-004P	1.000	IHF26A	6/26/2014	18:02	EAM
SH4416-001	1.000	IHF26A	6/26/2014	18:06	EAM
SH4449-001	1.000	IHF26A	6/26/2014	18:11	EAM
SH4348-004	1.000	IHF26A	6/26/2014	18:16	EAM
SH4399-001	1.000	IHF26A	6/26/2014	18:20	EAM
SH4401-019	1.000	IHF26A	6/26/2014	18:25	EAM
SH4401-019L	5.000	IHF26A	6/26/2014	18:30	EAM
SH4401-019A	1.000	IHF26A	6/26/2014	18:34	EAM
CCV	1.000	IHF26A	6/26/2014	18:39	EAM
CCB	1.000	IHF26A	6/26/2014	18:43	EAM
SH4401-019S	1.000	IHF26A	6/26/2014	18:48	EAM
SH4401-019P	1.000	IHF26A	6/26/2014	18:53	EAM
SH4401-020	1.000	IHF26A	6/26/2014	18:57	EAM
SH4401-021	1.000	IHF26A	6/26/2014	19:02	EAM
SH4500-001	1.000	IHF26A	6/26/2014	19:06	EAM
SH4500-002	1.000	IHF26A	6/26/2014	19:11	EAM
SH4274-002R	3.000	IHF26A	6/26/2014	19:16	EAM
SH4474-001	1.000	IHF26A	6/26/2014	19:20	EAM
SH4474-002	1.000	IHF26A	6/26/2014	19:25	EAM
SH4498-002	2.000	IHF26A	6/26/2014	19:29	EAM
CCV	1.000	IHF26A	6/26/2014	19:34	EAM
CCB	1.000	IHF26A	6/26/2014	19:39	EAM
SH4498-002	5.000	IHF26A	6/26/2014	19:43	EAM
SH4498-002	10.00	IHF26A	6/26/2014	19:48	EAM
SH4498-005	3.000	IHF26A	6/26/2014	19:52	EAM
PBWHF23ICW2	1.000	IHF26A	6/26/2014	19:57	EAM
LCSWHF23ICW2	1.000	IHF26A	6/26/2014	20:02	EAM
SH4460-001	1.000	IHF26A	6/26/2014	20:06	EAM
SH4460-002	1.000	IHF26A	6/26/2014	20:11	EAM
SH4460-003	1.000	IHF26A	6/26/2014	20:15	EAM

SAMPLE ID	DF	FILE	DATE	TIME	ANALYST
SH4460-004	1.000	IHF26A	6/26/2014	20:20	EAM
SH4460-005	1.000	IHF26A	6/26/2014	20:25	EAM
CCV	1.000	IHF26A	6/26/2014	20:29	EAM
CCB	1.000	IHF26A	6/26/2014	20:34	EAM
SH4460-006	1.000	IHF26A	6/26/2014	20:39	EAM
SH4484-001	1.000	IHF26A	6/26/2014	20:43	EAM
PBSHF26ICS1	1.000	IHF26A	6/26/2014	20:48	EAM
LCSOHF26ICS1	1.000	IHF26A	6/26/2014	20:52	EAM
LC2OHF26ICS1	1.000	IHF26A	6/26/2014	20:57	EAM
SH4612-001	1.000	IHF26A	6/26/2014	21:02	EAM
SH4612-002	1.000	IHF26A	6/26/2014	21:06	EAM
SH4612-003	1.000	IHF26A	6/26/2014	21:11	EAM
SH4612-004	1.000	IHF26A	6/26/2014	21:15	EAM
CCV	1.000	IHF26A	6/26/2014	21:20	EAM
CCB	1.000	IHF26A	6/26/2014	21:24	EAM
PQL	1.000	IHF26A	6/26/2014	21:29	EAM
ICSA	1.000	IHF26A	6/26/2014	21:34	EAM
ICSAB	1.000	IHF26A	6/26/2014	21:38	EAM
CCV	1.000	IHF26A	6/26/2014	21:43	EAM
CCB	1.000	IHF26A	6/26/2014	21:47	EAM

Intensity Report

Mudhr N

Published: 6/24/201 95:34:A6M

, r æs:

Blank

t edhr d9 nE e: - 60102011

t edhr d9v enisir K: 91R04

MkntSsd nE e: y Mt

MqDuiN9 me: 6/26/201 99:16:A1Pt

p nE Tle9: Ste: p nKdmN

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
MBA2_0CM	000000A000	7 7	7 7	90001100	9 266	90623
MA561Ov	000 A40	7 7	7 7	90001110	93944	00_4
Ms1_51CM	00000A600	7 7	7 7	90000A300	5425	90361
Mu2_24CM	00003650	7 7	7 7	900001400	9004	9 06A
BC20_5CM	0000A160	7 7	7 7	9000006000	900A	003_
Bm 33 Ov	000220_	7 7	7 7	90002A_0	91045	0062
BeA1A0Ov	00006220	7 7	7 7	900001460	0_43	002A
7 nA13_Ov	00006540	7 7	7 7	90001630	0A66	a_g 25
7 d2263CM	0000A100	7 7	7 7	90000A000	541A	0012
7 r 22_6CM	00002_20	7 7	7 7	90000_000	0_0	001
7 M644CM	000002300	7 7	7 7	9000004000	06_2	91g 14
7 uA24ACM	00001520	7 7	7 7	900001100	00_62	003_
Fe2355Ov	0000A620	7 7	7 7	90000A_00	5021	9 04_
- C466 Ov	000A344	7 7	7 7	9000040_0	91504	a 00_
Li6404Ov	0000_310	7 7	7 7	9001461	006_	91005
t 82023CM	0000_330	7 7	7 7	9000006000	91A0	0031
t K2346Ov	000003_00	7 7	7 7	90002130	9A54_	0036A
t r 2020CM	000005A00	7 7	7 7	90000A200	9A_0	006_1
, n8_53Ov	0002011	7 7	7 7	90011A1	006_	0_0
, i2A16CM	000005400	7 7	7 7	9000003000	9_0	005A
Pb220ACM	00002240	7 7	7 7	900000_000	9A02A	001_
pb206_CM	00000A500	7 7	7 7	900001A00	9A025	00462
pe1560CM	000010_0	7 7	7 7	90000_200	9_000	00_0
pi2316Ov	00001160	7 7	7 7	90001340	91A30	91g 06
pK1_55CM	000005A00	7 7	7 7	9000002400	0501	00610
pN 213Ov	000A_36	7 7	7 7	90000A220	5024	a 10_2
ciAA_5CM	000004_00	7 7	7 7	900001000	9_0	001g_
cl150_CM	000016A0	7 7	7 7	90000A500	0A0A	00160
VC252_CM	0000002000	7 7	7 7	9000005000	9A10	0016A
ZK2062CM	000006_00	7 7	7 7	90000_600	91g_6	003_
YCA600Ov	912R00	7 7	7 7	0_0563	006_366	912R00
YC22_ACM	91R440	7 7	7 7	0_64	00A50_A	91R440
YCA600CM	051R10	7 7	7 7	0_A403	00_46_	051R10

Std 1

t edhr d9 nE e: - 60102011

t edhr d9v enisir K: 91R04

MkntSsd nE e: y Mt

MqDuiN9 me: 6/26/201 99:21:10Pt

p nE Tle9: Ste: p nKdmN

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
MBA2_0CM	0065_1	7 7	7 7	90004A00	9_6	915R60
MA561Ov	00310	7 7	7 7	0011A	91052	911R00
Ms1_51CM	000A04A	7 7	7 7	900005_00	00A150	00_0
Mu2_24CM	0g_0	7 7	7 7	9002A52	00AA5	91R00
BC20_5CM	001131	7 7	7 7	90001_A0	0012_4	0_0_0
Bm 33 Ov	00_51	7 7	7 7	901630	00404	9A_060
BeA1A0Ov	0003	7 7	7 7	902A_0	00_033	9A_020
7 nA13_Ov	001A6	7 7	7 7	9003A63	00_42	910R_0
7 d2263CM	91031	7 7	7 7	90001A50	000_530	910R_30
7 r 22_6CM	0g_A64	7 7	7 7	900000_000	0000_4_0	9A03
7 M644CM	00_443	7 7	7 7	90000A5A0	00_2A	91A010
7 uA24ACM	003235	7 7	7 7	900006A00	91055	91_060
Fe2355Ov	00144	7 7	7 7	900_504	00_A4	0_02_

Published: 6/24/201 95:34:A6M

Pn8e919 f943

Std 1

t edhr d9 nE e: - 60102011

t edhr d9 enisir K: 91R04

MkntSsd9 nE e: yMt

MqDuih9 nE e: 6/26/201 99:21:10Pt

p nE Tle9: Ste: p nKdmN

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
- C466 Ov		91216	7 8/p	9901105	990122	91 R20
Li6404Ov		9946 A	7 8/p	9901654	990221	95R_5
t 82023CM		99g_64	7 8/p	99002120	990 A63	9AR0A
t K2346Ov		99g1254	7 8/p	990006_00	9903204	91R60
t r 2020CM		99026	7 8/p	9901334	9946_A	91R 14
, n8_53Ov		99g133	7 8/p	9902 66	994_16	9A4R0A0
, i2A16CM		990265	7 8/p	99001 40	9906_34	91R_4
Pb220ACM		99g1055	7 8/p	99000A650	994A61	946_6
pb206_CM		990A6_2	7 8/p	99001_50	9901A2	92346
pe1560CM		990150A	7 8/p	99001200	990A24	91AAg1
pi2316Ov		99g 45	7 8/p	9901550	91A_6	91R444
pK1_55CM		990_AA	7 8/p	99000A500	990_021	9AA_0
pN213Ov		990 6	7 8/p	99005643	9902_	9A3R20
ciAA_5CM		99g1103	7 8/p	990006560	990256	9A0R_10
cl150_CM		990 01	7 8/p	990000A300	9904536	9A044
VC252_CM		9903 3	7 8/p	99000 040	990 36	913R210
ZK2062CM		990441	7 8/p	99001300	9903_2	91R0A_
YCA600Ov		912R2A	7 8/p	915063	910_2	912R2A
YC22_ACM		9905A0	7 8/p	9900_3	990A4_0	9905A0
YCA600CM		924_R_0	7 8/p	91R0A_4	9902A36	924_R_0

ICV

t edhr d9 nE e: - 60102011

t edhr d9 enisir K: 91R04

MkntSsd9 nE e: yMt

MqDuih9 nE e: 6/26/201 99:23:44Pt

p nE Tle9: Ste: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
MBA2_0CM		9 01g	u8/L	91g_25	99g_33_	9 R015
MA561Ov		910R00	u8/L	9120g	91201	9 R50
Ms1_51CM		9A556	u8/L	9165A	99g_2A_	9_4g_4
Mu2_24CM		9A_4g	u8/L	994013	99g_12	91R_2
BC20_5CM		9 0_6	u8/L	99g_32A	99g1104	9AA46
Bm 33_Ov		9 126	u8/L	91gA	9902A6	91 R20
BeA1A0Ov		9 04g	u8/L	9A_55	990361	91 R10
7mA13_Ov		910R20	u8/L	91A2gA	91gA20	9 R31A
7d2263CM		9 116	u8/L	9901A0	9903143	9 R35
7r22_6CM		9 1_0	u8/L	990A32	99g125A	91R25A
7M644CM		9 11gA	u8/L	990_	99025A	9902
7uA24ACM		9 0_0	u8/L	990_	99034_	9904A
Fe2355Ov		99021	u8/L	91A6g	91gA43	9A316
- C466 Ov		91A200	u8/L	9146gA	91gA6	91R00
Li6404Ov		9A_56	u8/L	990510A	9902AA3	9AR_A
t 82023CM		910R00	u8/L	91060	99g1010	91R0A
t K2346Ov		9 00g	u8/L	9 662	91g16A	9 10
t r 2020CM		9 1_0	u8/L	990623	990A02	99034
, n8_53Ov		910R_0	u8/L	9 665	99g_6A_	913R30
, i2A16CM		9 1_0	u8/L	990_2_3	9901550	9420
Pb220ACM		9 1_0	u8/L	91g0A	99g_043	9A24gA
pb206_CM	W	9 25g	u8/L	9900_A5A	990153A	911A0
pe1560CM		9 05g	u8/L	91g_4	990252	99060A
pi2316Ov		99036	u8/L	9_400	99010	9403g
pK1_55CM		9A540	u8/L	990462	9906534	91A46
pN213Ov		9 10g	u8/L	91g1A	9906_3	91 R50
ciAA_5CM		9 106	u8/L	91g43	99g_A2_	912R60
cl150_CM	W	9 23gA	u8/L	990A3	990_A1	91AA0
VC252_CM		9 11g	u8/L	91gA06	990A141	99026
ZK2062CM		9 11g	u8/L	990A0A	990A162	9_13g
YCA600Ov		912RA4	7 8/p	912_01	910101	912RA4

ICV

t edhr d9 nE e: - 6010a2011

t edhr d9v enisir K: 91FA04

MkntSsd9 nE e: yMt

MqDuiN9 ne: 6/26/201 991:23:A4Pt

p nE Tle9:STe: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
YC22_AQM		91R Ag	7 8/p	991_42	99042612	91R Ag
YCA600CM		92_6R40	7 8/p	9 1096	991 A 4	92_6R40

ICB

t edhr d9 nE e: - 6010a2011

t edhr d9v enisir K: 91FA04

MkntSsd9 nE e: yMt

MqDuiN9 ne: 6/26/201 991:A0:06Pt

p nE Tle9:STe: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
MBA2_0CM		990A	u8/L	991311	9 A_g	9901230
MA561Ov		99g 34	u8/L	99g 2	9A_g	a 914A
Ms1_51CM		99g 3A	u8/L	99g 550	914g 5	99g 505
Mu2_24CM		9902_60	u8/L	9911_	9 1Ag	9 9200
BC20_5CM		991_31	u8/L	99g 2 6	9A_g	99g 3_
Bm 33_Ov		99020_	u8/L	99030 6	913gA	913g6
BeA1A0Ov		9903302	u8/L	990004A 0	91gA	99g46
7 nA13_Ov		9A9_4	u8/L	99g 50	9_4gA	910g16
7 d2263CM		990 A_4	u8/L	990A624	9_2g5	91gA1
7 r22_6CM		99166A	u8/L	99005 64	99g52	99g6
7 N644CM		990_54	u8/L	9905222	910Ag	9 9g _
7 uA24ACM		99g 31	u8/L	99g 2 4	914AgA	99g 1
Fe2355Ov		911g6	u8/L	99g05	9 4g6	9 9A5
- C466_Ov		91g04	u8/L	9A911	955g	9A5g_5
Li6404Ov		99g53	u8/L	91gA_	9_920	913g4
t 82023CM		9 9g32	u8/L	91g44	9 Ag	99g26
t K2346Ov		99g5 4	u8/L	991A6	9A04g	99g A43
t r2020CM		9 9A20	u8/L	99g_0_1	91_g0	99g4A
, n8_53Ov		99006	u8/L	9A90_	9160g	921g1
, i2A16CM		99120A	u8/L	99054A2	9_0g2	99g113
Pb220ACM		991 A	u8/L	990A120	9214g	91g2
pb206_CM		99110	u8/L	9905AA2	9 g 2	99g A4A
pe1560CM		990_	u8/L	91g14_	99g 0	91gA3
pi2316Ov		91g 1	u8/L	910gA3	904g1	91gA1
pK1_55CM		990A4A3	u8/L	9903_51	913g4	99gA4A
pN213Ov		99A1 A	u8/L	9906131	915g4	9A1g _
ciAA_5CM		91g235	u8/L	990615	920g5	915g1
cl150_CM		91g161	u8/L	990505A	91g_25	91g 2
VC252_CM		99g_6	u8/L	990A65	99g25	9 9123
ZK2062CM		9903 50	u8/L	990 624	9_ 94	99g6_3
YCA600Ov		912R _	7 8/p	916gA_	9901A62	912R _
YC22_AQM		91R0Ag	7 8/p	910gA6	991 0A	91R0Ag
YCA600CM		9250R20	7 8/p	99g 96	9915046	9250R20

PQL

t edhr d9 nE e: - 6010a2011

t edhr d9v enisir K: 91FA04

MkntSsd9 nE e: yMt

MqDuiN9 ne: 6/26/201 991:A : 3Pt

p nE Tle9:STe: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
MBA2_0CM		99g10	u8/L	990_30	99g_43_	9201g
MA561Ov		9A1Ag	u8/L	9 900	91g 63	91 0g
Ms1_51CM		9_96A	u8/L	991 52	91g_31	99g33
Mu2_24CM		9103g1	u8/L	99g10	99g_05	9A 2g
BC20_5CM		992g_2	u8/L	990A112	9903_51	9 9g1
Bm 33_Ov		99g14	u8/L	990_41A	91g45	922g1
BeA1A0Ov		99g23	u8/L	991163	990A0	914_g
7 nA13_Ov		955g4	u8/L	91Ag1	91Ag1	9A6gA
7 d2263CM		99g40	u8/L	9906523	91g1	99g6A
7 r22_6CM		910g4	u8/L	9912_1	91g11	9A3g _

PQL

t edhr d9 nE e: - 60102011

t edhr d9v enisir K: 91RA04

MkntSsd9 nE e: yMt

MqDuih9 nE e: 6/26/201 991:A : 3Pt

p nE Tle9: Ste: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
7M644QM		910g_2	u8/L	909A30A	909A2A4	91359
7uA24ACM		924g_6	u8/L	9091011	909A_2	9_39
Fe2355Ov		91059	u8/L	920_	92016	92g_5
- C466 Ov		91R023	u8/L	9A295	9A1_5	96_gA
Li6404Ov		910_gA	u8/L	92964	92936	9_39
t 82023QM		910_9	u8/L	91g_23	91944	91296
t K2346Ov		929_3	u8/L	91906	92013	9_g
t r 2020QM		911g_	u8/L	909_4	92g_14	9149
, n8_53Ov		91R06	u8/L	919	9091_2_	91R064
, i2A16QM		9109A	u8/L	909656_	909333	91_g16
Pb220ACM		929_5	u8/L	909AA24	929_1	9293A
pb206_CM	W	910gA4	u8/L	9196A	91291_	92951
pe1560QM		9109	u8/L	91g_5_	91A910	92932
pi2316Ov		92049	u8/L	916912	91913	916g_4
pK1_55QM		9106gA	u8/L	91965	91915	9A4g_
pN213Ov		910g_6	u8/L	9096010	9093_3	9A_69
ciAA_5QM		913g_6	u8/L	9091466	919121	95191
cl150_CM		9169A	u8/L	9091012	9_9_2	91911
VC252_QM		9109	u8/L	90915_2	919A3	91639
ZK2062QM		920g_	u8/L	90920AA	9094_A	92916
YCA600Ov		912R_2	7 9/p	9209_6	90916_16	912R_2
YC22_AQM		91R2A_9	7 9/p	922g_31	909A1016	91R2A_9
YCA600QM		925 RA60	7 9/p	91R_19	909A3A_1	925 RA60

LRS1

t edhr d9 nE e: - 60102011

t edhr d9v enisir K: 91RA04

MkntSsd9 nE e: yMt

MqDuih9 nE e: 6/26/201 991:A5:24Pt

p nE Tle9: Ste: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0QM		91R51	u8/L	9A90	9091635	9A5R_0
MA561Ov		a 6g14	u8/L	919104	9A954	93g_0
Ms1_51QM	W	921R60	u8/L	929A53	9091124	9 RA4A
Mu2_24QM		921R0A0	u8/L	91_9A	9096504	921R40
BC20_5QM	W	921R60	u8/L	9_9A1	9092063	916R_0
Bm 33_Ov		920R50	u8/L	9A952	909A4_2	9A_R00
BeA1A0Ov		915R_0	u8/L	9AA9	9A950	9A10RA00
7mA13_Ov		9A2g_	u8/L	92952	91494	a916
7d2263QM		915R_0	u8/L	9129A	90960A	9206R00
7r 22_6QM		920R40	u8/L	909456	9090225_	90R_0
7M644QM		915R20	u8/L	91_4gA	909A56	9265R00
7uA24ACM		920R_0	u8/L	9A9_1	909A3A	9A10R200
Fe2355Ov		a2930	u8/L	91g_5	9_94	9A9A1
- C466 Ov		9_91	u8/L	91940	929_	a0g_3
Li6404Ov		915R50	u8/L	959	909324	91_5R100
t 82023QM		a26A9	u8/L	91A913	9_9_6	92291
t K2346Ov		915R20	u8/L	9209	9191AA	9A2R20
t r 2020QM	W	9RA12	u8/L	91A914	929_61	9A2R0A
, n8_53Ov		9_912	u8/L	9A9100	912g_6	9_92
, i2A16QM		920R00	u8/L	9_9_	9092_AA	9A1RA0
Pb220ACM		920R60	u8/L	9_905	909201_	913RA0
pb206_CM	W	921R30	u8/L	9_9A	90920AA	9R03
pe1560QM	W	921R_0	u8/L	926g_A	909122A	92R44
pi2316Ov		921gA2	u8/L	929A2	91912	929_5
pK1_55QM		920R50	u8/L	914g	909_A2	9R50
pN213Ov		915R60	u8/L	9A329	919_3	9A_0R00
ciAA_5QM		915RA0	u8/L	9A295	909A_6	90_R00
cl150_CM		920R20	u8/L	9159_	9095_5	9R100

LRS1

t edr d9 nE e: - 60102011

t edr d9v enisir K: 91A04

MkntSsd9 nE e: yMt

MqDuih9 nE e: 6/26/201 991:A5:24Pt

pnrE Tle9:StE: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
VC252_CM		915F60	u8/L	91_g_	90gA55A	9A04A00
ZK2062CM		915F30	u8/L	9A2g12	90g1660	9A3F00
YCA600Ov		912F404	7 8/p	9A6gA1	90g_A33	912F404
YC22_ACM		96F56g	7 8/p	91_g_3A	90g21_0	96F56g
YCA600CM		92_AR40	7 8/p	95_2g_1	90gA260	92_AR40

LRS2

t edr d9 nE e: - 60102011

t edr d9v enisir K: 91A04

MkntSsd9 nE e: yMt

MqDuih9 nE e: 6/26/201 991: :26Pt

pnrE Tle9:StE: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
MBA2_0CM		9A662	u8/L	91g11	9AAg	91F216
MA561Ov		9_5R00	u8/L	9F21	91g63	9A2F00
Ms1_51CM		924g13	u8/L	96gA36	9Ag_1	9Ag12A
Mu2_24CM		90g310	u8/L	90g3_4	9105g	9104g
BC20_5CM		912g_	u8/L	90g1152	90g5402	911g_1
Bm 33_Ov		913g45	u8/L	90g_1	91g_6	9B54g
BeA1A0Ov		92g_3	u8/L	90g13AA	90g140	9_1g_A
7mA13_Ov	W	9_36R00	u8/L	9F66	92g1_	920_F00
7d2263CM		90g6A0	u8/L	90g51A	9_2g14	914Ag
7r22_6CM		91g1A4	u8/L	90gA_0A	9AAg_3	911g1
7N2644CM		90g4_6	u8/L	90g_26	91Ag40	915g1
7uA24ACM		90g4046	u8/L	90g23_4	9A63g	910_g
Fe2355Ov	F	9220R00	u8/L	9A20_	91g_33	9A5R_0
- C466_Ov	W	9244F00	u8/L	9_4	90g_1	9165F00
Li6404Ov		913g_5	u8/L	90g_155	90g160	9162g
t_82023CM		91_5F00	u8/L	91F52	90g2_6	92AF20
t_K2346Ov		95g04	u8/L	90g550	9Ag15	916g2
t_r2020CM		920g2	u8/L	90g_	923g2	924g6
, n8_53Ov		915_F00	u8/L	92F_3	91gA4	9A06F00
, i2A16CM		91_gA	u8/L	90g225	91g55	913g14
Pb220ACM		94g1	u8/L	90g110_	91g_4	9A0g2
pb206_CM		9_g46	u8/L	91g_A	926g_	90g2_
pe1560CM		920g5	u8/L	9_g6A	915g	90g1_6
pi2316Ov	W	9_6R_0	u8/L	9_21g	90g5045	9AR24
pK1_55CM		911g_	u8/L	90g511	9_g61	9_g15
pN213Ov		9_g62	u8/L	90g5_5	92g6_	91A2g
ciAA_5CM		924g_2	u8/L	91g_A0	90g13	9A45g
cl150_CM		91gA03	u8/L	9_g3A	9A26g	91gA_5
VC252_CM		91g2A	u8/L	90gA5_	9_g4	92g6
ZK2062CM		9_g1A1	u8/L	90g1_0	9_g32	91g_A_
YCA600Ov		912R5_	7 8/p	9A_5g1_	92gA5A5	912R5_
YC22_ACM		96R_1g	7 8/p	923g_6	90gA523_	96R_1g
YCA600CM		926AF360	7 8/p	9_12g13	90g136A_	926AF360

ICSA

t edr d9 nE e: - 60102011

t edr d9v enisir K: 91A04

MkntSsd9 nE e: yMt

MqDuih9 nE e: 6/26/201 991:3A:A1Pt

pnrE Tle9:StE: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
MBA2_0CM		92g0A	u8/L	90g_563	915g4	9665g
MA561Ov		9_AR00	u8/L	9AF03	90g_040	925R00
Ms1_51CM		9_gAA	u8/L	90g_66	91gA	90g5A42
Mu2_24CM		93gA_4	u8/L	91g25	915g23	9_g4
BC20_5CM		9_g_55	u8/L	90gA64	913g	90g11
Bm 33_Ov		90g_A01	u8/L	90g_6A0	910_g	9A0g_5
BeA1A0Ov		90g1_1	u8/L	90g030A1	9A3g_	9Ag2

ICSA

t edhr d9 nE e: - 60102011

t edhr d9v enisir K: 91R04

MkntSsd nE e: yMt

MqDuiN9 ne: 6/26/201 991:3A:A1Pt

p nE Tle9: Ste: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
7 nA13_Ov		9 32R00	u8/L	9A864	9g 44	906R00
7 d2263CM		a1gAA	u8/L	9gA_2	9i g5	9124g
7 r 22_6CM		a2g14A	u8/L	9g 43	911gA5	91gA5
7 M644CM		9gA6_5	u8/L	9g146A	9 44g	911gA0
7 uA24ACM		a2gA	u8/L	9g_A34	9A2g_	9A2gA
Fe2355Ov		9143R00	u8/L	91R44	9g53 4	962R_0
- C466 Ov		9155g	u8/L	912gA0	9g144	946g 6
Li6404Ov		912g12	u8/L	9g12 1	91g23	9123g
t 82023CM		9 6AR00	u8/L	9RA_	9g125	94R260
t K2346Ov		a0g11_4	u8/L	9g14_0	933g	91g A6
t r 2020CM		9g_	u8/L	9g256	91g 6	91g 51
, n8_53Ov		9A2g_2	u8/L	9 gA	9i g12	946g0
, i2A16CM		91g126	u8/L	9g4031	9g26A	a2g14
Pb220ACM		9g_2	u8/L	9g_0A	9A0g	aA gA1
pb206_CM		9g 6_3	u8/L	9g1_	9A1g4	9 g_A
pe1560CM		aAg150	u8/L	9 g_3A	912_9	91g6A
pi2316Ov		9 Ag1	u8/L	9g102	9 g_4A	9g131
pK1_55CM		91g162	u8/L	9g65_0	9g4 6	9g_06
pN213Ov	W	9Ag 3	u8/L	9gA_62	910g_5	9_4g1_
ciAA_5CM		9AgA_2	u8/L	9g11A3	9AgA34	945g_
cl150_CM		91g2	u8/L	91g26	9AgA0	a1g1_4
VC252 CM		a0g10	u8/L	9g 3 1	9i g 1	912gA0
ZK2062CM		9g3A2	u8/L	9g231A	96gA6	9g102
YCA600Ov		912R33	7 9/p	925g150	9gA A3	912R33
YC22 ACM		96R0 g_	7 9/p	924g204	9g 2_0	96R0 g_
YCA600CM		926 R200	7 9/p	944g2	9gA401	926 R200

ICSAB

t edhr d9 nE e: - 60102011

t edhr d9v enisir K: 91R04

MkntSsd nE e: yMt

MqDuiN9 ne: 6/26/201 991:3_:01Pt

p nE Tle9: Ste: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
MA2_0CM		911g	u8/L	91g2	9g4_	9AR2
MA561Ov		9 4 R00	u8/L	9R03	91g54	92 R00
Ms1_51CM		910 g	u8/L	9g254	9g155	915gA5
Mu2_24CM		9BA1g	u8/L	9g_10	9g142	91R51
BC20_5CM		9BAg	u8/L	91g_3	9g25_	9A65g
Bm 33 Ov		921g	u8/L	9g_40	91g126	91_R50
BeA1A0Ov		9 54gA	u8/L	9g 4	91g101	914R50
7 nA13_Ov		9 2R00	u8/L	9 R12	9g314	901R00
7 d2263CM		960g	u8/L	9g44A	9g_4	9R20
7 r 22_6CM		9 4Ag	u8/L	91g 66	9gA054	91R23
7 M644CM		9_1g	u8/L	9g A	9g03	9R4
7 uA24ACM		9BA4g	u8/L	9g110	9g0203	9R 0
Fe2355Ov		9141R00	u8/L	9R64	91g203	91R30
- C466 Ov		915R00	u8/L	9123g	9g 3A	911R30
Li6404Ov		9BA4g	u8/L	9 g46	9g 04	9 R_0
t 82023CM		9 36R_00	u8/L	966g	9g116	96R230
t K2346Ov		9 66g	u8/L	9AgA31	91g46	9433g
t r 2020CM		9 64g	u8/L	9g60	91g256	90 gA
, n8_53Ov		915R60	u8/L	913g	91g_2	9A1R_0
, i2A16CM		9 5gA	u8/L	9 g_A	9g0A5	91R65
Pb220ACM		92g5	u8/L	9Ag_5	9g3A	91g1A2
pb206_CM		932g	u8/L	9g2065	9gA165	9134gA
pe1560CM		9 5g25	u8/L	9g 3A1	9g15A	9_gA06
pi2316Ov		91R0_	u8/L	9_ g0	9g6A	91A5g
pK1_55CM		9 32g	u8/L	9Ag 4A	9gA642	91A5g

ICSAB

t edhr d9 nE e: - 6010a2011

t edhr d9v enisir K: 91FA04

MkntSsd9 nE e: yMt

MqDuiñ9 ne: 6/26/201 991:3_:01Pt

p nE Tle9: Ste: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
pN213Ov		9 53g	u8/L	9g45	9g462	91_R_0
ciAA 5QM		9_Ag	u8/L	9gAA	9g 20	91_R50
cl150_CM		9 5g43	u8/L	9gAA2A	9gA402	9Ag 0
VC252_CM		9 51g	u8/L	9g12	9g 40A	9AR56
ZK2062CM		9 2g	u8/L	9gA_02	9g 0A6	91R66
YCA600Ov		912R35	7 œ/p	9g12	9g163 A	912R35
YC22_ACM		96R46g	7 œ/p	916g_26	9g26A_5	96R46g
YCA600CM		96AR_A0	7 œ/p	9 A6g	9g163 4	96AR_A0

CCV

t edhr d9 nE e: - 6010a2011

t edhr d9v enisir K: 91FA04

MkntSsd9 nE e: yMt

MqDuiñ9 ne: 6/26/201 992:02:26Pt

p nE Tle9: Ste: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		9_Ag	u8/L	9g64	9g61	9R_24
MA561Ov		912R10	u8/L	912Ag	91g02	9R_
Ms1_51CM		901g	u8/L	9g11	9g011	9105g
Mu2_24CM		9 54g	u8/L	9g11A	9g 2 6	91R_4
BC20_5CM		90_gA	u8/L	91g4	9g11	9 14g
Bm 33_Ov		90Ag	u8/L	9 g_2	9g256	91_R60
BeA1A0Ov		9_6g	u8/L	9g05	91gA	91_R50
7 nA13_Ov		912R60	u8/L	9143g	91g A0	9R_2A
7d2263CM		90 g	u8/L	9g 5A	9g_51	9R336
7r22_6CM		90_g	u8/L	9g1_5	9g1214	91R45
7N644CM		9 53g	u8/L	9_g06	91g3_	9R_6
7uA24ACM		906g	u8/L	9g_4_	91g31	91R4_
Fe2355Ov		912R30	u8/L	9163g	91g4	9 R0
- C466_Ov		91R_0	u8/L	915 g	91g20	91R34
Li6404Ov		9 56g	u8/L	9 g4A	9g_606	9 R A
t 82023CM		912R40	u8/L	9A g	9g2651	91R45
t K2346Ov		9 44g	u8/L	9g64	9g 4	9_0 g
t r 2020CM		911g	u8/L	9g06	9g2_4	91A4g
, n8_53Ov		912R_0	u8/L	9 g13	9g602	920R_0
, i2A16CM		905g	u8/L	9gA4_	9g 66_	9_22g
Pb220ACM		903g	u8/L	91g 50	9g2530	9A5 g
pb206_CM		9_3g	u8/L	910g6	9g146	9124g
pe1560CM		904g	u8/L	91g_	9g232_	95g4
pi2316Ov		91R00	u8/L	9_gA	9g 22	916g
pK1_55CM		901g	u8/L	9g5_	9g 1_A	9142g
pN213Ov		900g	u8/L	9g3_	9g31A	915R30
ciAA 5QM		9 5_g	u8/L	9g 3	91g 3A	916R_A0
cl150_CM		91Ag	u8/L	9gA641	9g04132	9160g
VC252_CM		9 5 g	u8/L	9_g_2	91g16	91R_6
ZK2062CM		9 56g	u8/L	9gA142	9g06A_6	94_g
YCA600Ov		91AR05	7 œ/p	916g 2	9g_5 52	91AR05
YC22_ACM		91R10g	7 œ/p	9 g1335	9g3_ 32	91R10g
YCA600CM		951R_0	7 œ/p	91R04g	91g355	951R_0

CCB

t edhr d9 nE e: - 6010a2011

t edhr d9v enisir K: 91FA04

MkntSsd9 nE e: yMt

MqDuiñ9 ne: 6/26/201 992:06:33Pt

p nE Tle9: Ste: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		9g346	u8/L	9g12 1	91_g_	91Ag20
MA561Ov		9_g2	u8/L	9g_	915gA2	9_g6A
Ms1_51CM		9 g 41	u8/L	91gA3	9A0g5	91g 4
Mu2_24CM		9g022	u8/L	9g1A_0	913g5	91g00

CCB

t edr d9 nE e: - 6010a2011

t edr d9/enisir K: 91A04

MktSsd nE e: yMt

MqDuih9 ne: 6/26/201 992:06:33Pt

pnE Tle9:StE: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
BC20_5CM		9A244	u8/L	9916A5	99001	99036
Bm 33_Ov		99025A_	u8/L	99040_3	9A5g_	9A9 A
BeA1A0Ov		9916AA	u8/L	991043	99_1	919A6
7mA13_Ov		9A912	u8/L	991042	99035	91922
7d2263CM		9902020	u8/L	990AA4A	91669	919_0
7r22_6CM		9903046	u8/L	9912_3	9_3gA	91g_A
7M2644CM		9906032	u8/L	990_40_	91 A9	99960
7uA24ACM		9912	u8/L	99_55	9A5A9	9B5916
Fe2355Ov		9A9	u8/L	992251	99340	91A9
- C466_Ov		91_9_	u8/L	9926	9A_9_	9A490
Li6404Ov		990204	u8/L	991465	91_59	99_0
t 82023CM		91_915	u8/L	99A60	9129_	992_5
t K2346Ov		91904	u8/L	9190_	913916	91955
t r 2020CM		99140	u8/L	991_A2	91A94	99043
, n8_53Ov		9951	u8/L	91924	9169_	9_293
, i2A16CM		9901433	u8/L	9906_0A	9A6_9	990_03
Pb220ACM		991600	u8/L	91921	9A_9	91912
pb206_CM	F	912913	u8/L	9926	929	9A9_
pe1560CM		919_0	u8/L	991342	99A	990_35
pi2316Ov		910911	u8/L	99_	99290	994_
pK1_55CM		99521	u8/L	99_23	91519	99A42
pN213Ov		991345	u8/L	9904_54	9904	9A191
ciAA_5CM		9194	u8/L	9905431	9915	9A09_
cl150_CM		99055A	u8/L	9192A	91_59	9195A
VC252_CM		991015	u8/L	99102A	956g_	91914
ZK2062CM		990_4A2	u8/L	990A5A5	9_A9	990A5
YCA600Ov		912916	7 9/p	99694	991_33	912916
YC22_ACM		9195A91	7 9/p	91_9_2	990A33	9195A91
YCA600CM		9559040	7 9/p	914A9_3	9903_1A0	9559040

PBSHF25ICS1

t edr d9 nE e: - 6010a2011

t edr d9/enisir K: 91A04

MktSsd nE e: yMt

MqDuih9 ne: 6/26/201 992:11:A Pt

pnE Tle9:StE: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
MBA2_0CM		990_135	u8/L	9902104	99_A	9191A
MA561Ov		99044	u8/L	9A9	9A59	9191AA
Ms1_51CM		99005	u8/L	919A3	9_594	9906A3
Mu2_24CM		990_5_0	u8/L	9902_3_	9A9_2	919A_
BC20_5CM		9A9_0	u8/L	990320	9192A	9_913
Bm 33_Ov		9910_5	u8/L	99_3	9AA9	9A290
BeA1A0Ov		99011AA	u8/L	99023_	92_91	9A_9A5
7mA13_Ov		993912	u8/L	99A26	9A941	9194
7d2263CM		9904506	u8/L	99032A5	9924	919_4
7r22_6CM		990224A	u8/L	9904111	9A925	99
7M2644CM		990A2A	u8/L	991444	9_5g	91906
7uA24ACM		9910A	u8/L	99_3_3	9_92	9_943
Fe2355Ov		91195	u8/L	990633	9_93A	9904_
- C466_Ov		9A991	u8/L	9194_	91_91	912914
Li6404Ov		919A32	u8/L	994_	990915	929A2
t 82023CM		9A5904	u8/L	99_6	9A9	99144
t K2346Ov		9190	u8/L	99A1_0	96g_2	919A12
t r 2020CM		99A_4	u8/L	9902300	91_4	9_91_1
, n8_53Ov		9A9_0	u8/L	919124	9_9A	9_9_
, i2A16CM		990041	u8/L	9904154	911g_3	990_5A
Pb220ACM		99A_5_	u8/L	99AAA	99695	919A64
pb206_CM	W	9_9_0	u8/L	9903A2	91A93	919A33

PBSHF25ICS1

t edhr d9 nE e: - 6010a2011

t edhr d9v enisir K: 91FA04

MkntSsd9 nE e: yMt

MqDuiN9 nE e: 6/26/201 992:11:A Pt

p nE Tle9:StE: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
pe1560CM		91gl 1	u8/L	9530	93_3	95122
pi2316Ov		91651	u8/L	9A63	9165	951
pK1_55CM		921gl0	u8/L	9g 203	9155A	9532
pN213Ov		9g 2A	u8/L	9gl _6	9A3gl 1	9545
ciAA 5CM		9g 5	u8/L	9g43AA	910gl 1	9523
cl150_CM		953_5	u8/L	9g 221	95_3	9151
VC252 CM		95122	u8/L	95126	9AAgl	9122
ZK2062CM		9554_	u8/L	952_A	9A_15	9166
YCA600Ov		912R62	7 9/p	91g A4	9g1A334	912R62
YC22 ACM		912315	7 9/p	91 g 6	9155 4	912315
YCA600CM		9A01R30	7 9/p	9535	915456	9A01R30

LCISOHF25ICS1

t edhr d9 nE e: - 6010a2011

t edhr d9v enisir K: 91FA04

MkntSsd9 nE e: yMt

MqDuiN9 nE e: 6/26/201 992:16:1APt

p nE Tle9:StE: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
MBA2_0CM		9 4g12	u8/L	95 11	91gl A	9535
MA561Ov		91R46	u8/L	9g 23	9gl 224	9541
Ms1_51CM		95gA1	u8/L	9gl 32	91gl 60	92gl 0
Mu2_24CM		95g_41	u8/L	9gl 32	9A3gl	9 5_0
BC20_5CM		9 655	u8/L	952A_5	95030_	9A_15
Bm 33 Ov		9512	u8/L	9155	95511	9A3R 0
BeA1A0Ov		9 5gl 1	u8/L	95636	95 15	91R_2
7mA13_Ov		9RA_	u8/L	91_3	95610	91R A
7d2263CM		953gl	u8/L	9g 1A3	9gl 621	9R_1
7r22_6CM		954gA	u8/L	9gl A1	950AA	91R_0
7N644CM		9155g	u8/L	9gl 11	9105	9565
7uA24ACM		923_4	u8/L	95 11	95 64	9A521
Fe2355Ov		95_4	u8/L	95g12	9514	9A552
- C466 Ov		95R _	u8/L	9563	95434	9512
Li6404Ov		9 40gl	u8/L	9g A2	91_1	9 R _
t 82023CM		9 546	u8/L	9A45	9g 4_1	9565
t K2346Ov		9 445	u8/L	91_1	9g 011	9A55
t r 2020CM		954gA	u8/L	9gl 55	9gl A53	9 255
, n8_53Ov		9AR2A	u8/L	9A43	9gl A_	912R20
, i2A16CM		9115	u8/L	95232	950 5AA	9 2_5
Pb220ACM		91015	u8/L	9g A 6	9g 26A	9A_1
pb206_CM		9104gl	u8/L	9g 5	91553	9A43
pe1560CM		95_3	u8/L	95_5	95_3	91A53
pi2316Ov	F	9A55	u8/L	9 5gl 1	91_0	9A3gl
pK1_55CM		91_3	u8/L	95053	95 041	91445
pN213Ov		9 56gA	u8/L	9514	95041	91_R40
ciAA 5CM		9 31gl	u8/L	95_3_	91554	91_R40
cl150_CM		95_5	u8/L	91220	91AA	95g_4
VC252 CM		9 5A5	u8/L	9A_A	9g 53	9AR64
ZK2062CM		9 5_3	u8/L	9g 1_3	95_6A	95445
YCA600Ov		912R2	7 9/p	9 4g133	9A6530	912R2
YC22 ACM		9AR255	7 9/p	91_4	9A022A	9AR255
YCA600CM		950R_0	7 9/p	9 R5A5	91_2A	950R_0

SH4493-001

t edhr d9 nE e: - 6010a2011

t edhr d9v enisir K: 91FA04

MkntSsd9 nE e: yMt

MqDuiN9 nE e: 6/26/201 992:20: 6Pt

p nE Tle9:StE: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
MBA2_0CM		953_	u8/L	95040	9A315	9 5A

SH4493-001

t edr d9 nEe: - 60102011

t edr d9 enisir K: 91R04

MknSsd nEe: yMt

MqDui nEe: 6/26/201 992:20: 6Pt

p nE Tle9: Ste: UKkKrwK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
MA561Ov		91R05	u8/L	92321	9001	91R26
Ms1_51QM		91R0	u8/L	90A20	90364	9034
Mu2_24QM		9062	u8/L	90A33	9110	9012
BC20_5QM		914	u8/L	90556	90013	91A29
Bm33_Ov		92A04	u8/L	90A	905	91R01
BeA1A0Ov		90103A	u8/L	90166	9433	90252
7mA13_Ov	W	913A00	u8/L	9044	9010	91R10
7d2263QM		9025A	u8/L	900230	90660	9014
7r22_6QM		9015	u8/L	901222	9053	9100
7M644QM		91302	u8/L	901A2	9144A	9140
7uA24ACM		924	u8/L	902101	90263	91R23
Fe2355Ov		91R5A	u8/L	923	9060	91R34
- C466_Ov	W	915AR00	u8/L	9140	90123	9121R00
Li6404Ov		9020	u8/L	90A0	9130A	9050
t82023QM		91R30	u8/L	905	90221	91R1
tK2346Ov		91550	u8/L	9063	90A0	900
t r2020QM		90A	u8/L	90A5	910	90A6
, n8_53Ov		91R3	u8/L	91505	90012	91R40
, i2A16QM		91024	u8/L	90631	900	9160A
Pb220ACM		90A6	u8/L	90420	9051	9020
pb206_QM		904	u8/L	9056A4	9050	91056
pe1560QM		9021	u8/L	9031	90A4	910A
pi2316Ov		91R53	u8/L	9004	9104	913A0
pK1_55QM		9201	u8/L	90336	9026	9041
pN213Ov	W	91R65	u8/L	906	90A10	91R10
ciAA_5QM		9101	u8/L	90A	90A160	91R22
cl150_QM		90A60	u8/L	9006	91440	91AAA
VC252_QM		9041	u8/L	9016A4	9102	913A0
ZK2062QM		9020	u8/L	90030	90A	91A00
YCA600Ov		912R06	70/p	913205	9100	912R06
YC22_ACM		91R050	70/p	911442	90466	91R050
YCA600QM		92R030	70/p	91R00A	90244	92R030

SH4554-001

t edr d9 nEe: - 60102011

t edr d9 enisir K: 91R04

MknSsd nEe: yMt

MqDui nEe: 6/26/201 992:23:2APt

p nE Tle9: Ste: UKkKrwK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0QM		900A	u8/L	9022	9106	910A5
MA561Ov		90330	u8/L	9160	90A2	90163
Ms1_51QM		91R3	u8/L	9120A4	90311	9104
Mu2_24QM		91A05	u8/L	901	90A0	9030
BC20_5QM		91R	u8/L	904A	9010A5	90603
Bm33_Ov		901	u8/L	9021	9120A	9030
BeA1A0Ov		90153	u8/L	91003	9160	905
7mA13_Ov	W	903R00	u8/L	910R0	910	913R00
7d2263QM		91024	u8/L	9040	9035	9004
7r22_6QM		90505	u8/L	901	90A6	90A01
7M644QM		900A	u8/L	903	9013	90A23
7uA24ACM		91R044	u8/L	9102	9053	91R23
Fe2355Ov		91R21	u8/L	91A30	90A26	9005
- C466_Ov	W	91R1R00	u8/L	91R50	90A3	90R040
Li6404Ov		90203	u8/L	90A1	91410	9105
t82023QM		925R00	u8/L	9020	901	91R2
tK2346Ov		91A0A	u8/L	90A2	90A	90A42
t r2020QM		90A02	u8/L	90	9106	906
, n8_53Ov	W	91R1R00	u8/L	91R01	90A26	90A00

SH4554-001

t edhr d9 nE e: - 6010a2011

t edhr d9/enisir K: 91FA04

MkntSsd9 nE e: yMt

MqDuih9 ne: 6/26/201 992:23:2APt

p nE Tle9:StE: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
, i2A16QM		91 6g	u8/L	9A9_A	92g05	95g13
Pb220AQM		a11g 1	u8/L	911g46	910Ag1	a1g_6A
pb206_QM		96 g_	u8/L	9A_gA0	95g12	90g_4_4
pe1560QM		9A31gA	u8/L	910g22	92g0_	92g_42
pi2316Qv		9R113	u8/L	9B20g	9g11	925g5
pK1_55QM		9113gA	u8/L	9g5 5	9g024	92g104
pN213Qv		912R460	u8/L	912gAA	9g5666	915R2A0
ciAA_5QM		911g6	u8/L	91g_	914g20	92g23
cl150_QM		a_0g1	u8/L	9AgA_	9g1_1	92g_
VC252_QM		91Ag1	u8/L	9g1	913g	9_6AA
ZK2062QM		9_R25	u8/L	915g1	9g2A26	911g1
YCA600Qv		912R_06	7 9/p	9 1g44	91g_0	912R_06
YC22_AQM		9R_4g	7 9/p	9g1_3	9g1_A	9R_4g
YCA600QM		9246R260	7 9/p	954g1A	9g21613	9246R260

SH4555-001

t edhr d9 nE e: - 6010a2011

t edhr d9/enisir K: 91FA04

MkntSsd9 nE e: yMt

MqDuih9 ne: 6/26/201 992:A0:00Pt

p nE Tle9:StE: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0QM		9A0g4	u8/L	9 g1_2	9g11	9_63
MA561Qv		9B54g	u8/L	9A0g	9A_g3	9g14
Ms1_51QM		9_R2A	u8/L	91g102	9g22_6	9A5g4
Mu2_24QM		a16g_0	u8/L	91Ag0	9_0g6	91g_1A
BC20_5QM		9R131	u8/L	9_524	9g136A	9_543
Bm33_Qv		9_gA6	u8/L	9g_0	9_5	9_0gA5
BeA1A0Qv		9g_ A2	u8/L	9gA_01	95g4	9_625
7mA13_Qv		9_26R400	u8/L	9R44	9g512	9R_4
7d2263QM		9A6g1	u8/L	9g064	9g1_6	93g6
7r22_6QM		923g_	u8/L	9gA_16	91gAA6	9_g_A6
7R2644QM		92g2	u8/L	91g_A	9g03	915g0
7uA24AQM		9R01	u8/L	912g	9gA_2	9R2_
Fe2355Qv		910g	u8/L	9_63	9g100	91_g_5
- C466_Qv	W	91R2AR00	u8/L	9B0Ag	9g2521	9_2R_0
Li6404Qv		9B5g2	u8/L	9A3g_	90g	9A65
t_82023QM		91_6R100	u8/L	9A55g	9g_40	9_6gA
t_K2346Qv		91g2	u8/L	914g5	9_g4	9_g21
t_r2020QM		9_g6	u8/L	9g_4	9_g1A	9g_5
, m8_53Qv	F	9R22R00	u8/L	9_R4A0	9g301	9AAAR00
, i2A16QM		9104g	u8/L	9g4A	9g42	9g1_0
Pb220AQM		9g_6	u8/L	9g21_4	9g_04	a1g235
pb206_QM		95g	u8/L	92g22	92gA6	91g21_
pe1560QM		9A0g	u8/L	9B0g22	9g_6	9AgA3A
pi2316Qv		9R2	u8/L	91R_2	91gAA	91_g_5
pK1_55QM		9A3gA5	u8/L	9g_2	913g6	91g6_
pN213Qv		91R3_	u8/L	91_g3	9gA	911R_A0
ciAA_5QM		9g240	u8/L	9g64	916g1	a16g20
cl150_QM		94g_	u8/L	9g_0	910g1	92g25
VC252_QM		90g4	u8/L	9_g2	91gA1	9A6g2
ZK2062QM		9R_5	u8/L	9g_3	9g124	923g1
YCA600Qv		912R_	7 9/p	9_3g_6	9g4241	912R_
YC22_AQM		9R_2g	7 9/p	912g1A	9g15_1	9R_2g
YCA600QM		924_R_0	7 9/p	9AA3g14	9g2216	924_R_0

SH4556-001

t edhr d9 nE e: - 6010a2011

t edhr d9/enisir K: 91FA04

MkntSsd9 nE e: yMt

SH4556-001

t edr d9 nE e: - 60102011

t edr d9v enisir K: 91FA04

MkntSsd9 nE e: yMt

MqDuih9 ne: 6/26/201 992:A : 2Pt

pnE Tle9:StE: UKKkr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		91521	u8/L	965	9152A	9A26
MA561Ov		2 2g	u8/L	9 520	2024	202_
Ms1_51CM		91R30	u8/L	262A	91g 1_	9A gAA
Mu2 24CM		2051A2	u8/L	3g 00	351g	9A2A
BC20_5CM		91R41	u8/L	9651	90gA3A	9A26
Bm 33 Ov		3g A6	u8/L	960 _	9_ 4	312
BeA1A0Ov		90_ A1	u8/L	90145A	2623	210
7mA13_Ov		91 5R00	u8/L	912 2	90g A0	3A
7d2263CM		9A22	u8/L	90210A	90242	256
7r22_6CM		9_ 3	u8/L	2g A_	2_ 20	9A6_
7M644CM		2512	u8/L	913	91334	91_ 0_
7uA24ACM		9_ 2g	u8/L	35	90440	91R5_
Fe2355Ov		9A056	u8/L	91 g	9 4A	91 2
- C466 Ov	W	91R5A000	u8/L	9A51	90g10A	3R60
Li6404Ov		9601	u8/L	91g13	91 6	9 221
t 82023CM		91A6R00	u8/L	25_ 2	902150	91R44
t K2346Ov		3120	u8/L	91A25	2326	9A35
t r 2020CM		2515	u8/L	90416_	9A24	91466
, n8_53Ov	F	9_R A5R000	u8/L	20 R00	2A16	91R4_R000
, i2A16CM		36g 5	u8/L	901506	90AA4	9_ 42
Pb220ACM		20g 1 2	u8/L	914g13	9 R 1	2A5
pb206_CM		2 22	u8/L	3g 33	222	9043
pe1560CM		25Ag	u8/L	9 424	916g1	9A34
pi2316Ov		3R4	u8/L	2336	9A4A	3021
pK1_55CM		2424	u8/L	90241A	902_ 03	91A3_
pN213Ov		2R1A	u8/L	221A	902 42	3R21
ciAA 5CM		20g1352	u8/L	902125	91AAg	21_ 2
cl150_CM		21g1	u8/L	9_ 23	912g14	2g_ 5
VC252 CM		911g_4	u8/L	90_ 344	9A22	91625
ZK2062CM		9A16A	u8/L	3g_ 24	90g_ 2	3246
YCA600Ov		912R62	7 2/p	912321	9121_6	912R62
YC22 ACM		3R052	7 2/p	25 52	90g16334	3R052
YCA600CM		2_R 0	7 2/p	91R3_3	90g 2634	2_R 0

SH4556-001

t edr d9 nE e: - 60102011

t edr d9v enisir K: 91FA04

MkntSsd9 nE e: yMt

MqDuih9 ne: 6/26/201 992:A5:15Pt

pnE Tle9:StE: UKKkr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		91005	u8/L	91020	9101g1	9 g1_
MA561Ov		91R03	u8/L	24 0	2100	9A 1
Ms1_51CM		91R_5	u8/L	31g13	3056	9A25
Mu2 24CM		24263	u8/L	2261	9A4g14	9A30
BC20_5CM		91R A5	u8/L	2626	2A0	91_ 2
Bm 33 Ov		2g_ 13	u8/L	9 gA1	916_ g1	9A25
BeA1A0Ov		9_ 25	u8/L	9060	3A6	a g 3A
7mA13_Ov		9133R00	u8/L	91R6A	90_ 1A	91R64
7d2263CM		9A4A	u8/L	2g 01	3g 23	3251
7r22_6CM		2g131	u8/L	3024	2_ 02	202
7M644CM		9A3A	u8/L	9_ g122	2 22	9A_ 2
7uA24ACM		312g	u8/L	2420	22_ 0	9A1A2
Fe2355Ov		9A6A	u8/L	2426	904135	9A3A
- C466 Ov		91R A3R000	u8/L	363g	903_ 64	91 R 0
Li6404Ov		91250	u8/L	9A0	2322	9A21
t 82023CM		91 R00	u8/L	3102	90A32	9A_ 2
t K2346Ov		9A02	u8/L	9A1g13	9A32	20_ 5
t r 2020CM		24g_4	u8/L	9_ 22	2521	91A6_

SH4556-001

t edhr d9 nE e: - 60102011

t edhr d9/enisir K: 91R04

MkntSsd9 nE e: yMt

MqDuih9 nE e: 6/26/201 992:A5:15Pt

p nE Tle9:StE: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
, n8_53Ov	F 912R50R00	u8/L	2AR30	9d145_	9 23R00	
, i2A16CM		9593	u8/L	9g A3	9g A4	
Pb220ACM		9A3gA_	u8/L	921g10	9593	
pb206_CM		9_AgA3	u8/L	921g 6	923g43	
pe1560CM		9161g4	u8/L	95 gA5	9g_gA_	
pi2316Ov		9R56	u8/L	9_A9	9g11	
pK1_55CM		96gA2	u8/L	9129	9 5g1_	
pN213Ov		9R54	u8/L	91A9A	9g05A	
ciAA_5CM		9Ag 02	u8/L	914g13	90 gA	
cl150_CM		910g 4	u8/L	9 g 2A	9g246	
VC252_CM		90gA 20	u8/L	9g452	9R4_	
ZK2062CM		9AR01	u8/L	9290	9g13A	
YCA600Ov		912R55	7 9/p	920gA1	919_41	
YC22_ACM		9R 0g_	7 9/p	9gAA46	9g053 A0	
YCA600CM		942R5A0	7 9/p	91R539	9gA102	
					942R5A0	

SH4555-001

t edhr d9 nE e: - 60102011

t edhr d9/enisir K: 91R04

MkntSsd9 nE e: yMt

MqDuih9 nE e: 6/26/201 992: :0APt

p nE Tle9:StE: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
MBA2_0CM		96426	u8/L	91 93	922A	91 9A6
MA561Ov		9AA 9	u8/L	9B4_9	914A9	a 9A_
Ms1_51CM		9 R42	u8/L	91A59	99_4	910g16
Mu2_24CM		a120g_	u8/L	9g56	9921	99230
BC20_5CM		9AR_A	u8/L	91293	99A_3	969
Bm33_Ov		a2295	u8/L	91g_	9394	929A
BeA1A0Ov		9Ag 55	u8/L	9Ag 16	949A	a945
7mA13_Ov		9 20R00	u8/L	91R16	9963A	91R56
7d2263CM		9A2g	u8/L	91g_ 6	995 A	929
7r22_6CM		9596	u8/L	9149A4	9_96	9g_
7N644CM		9149A	u8/L	91gA3	91299	9952
7uA24ACM		9AR 3	u8/L	9_g 01	99A40	9529A
Fe2355Ov		91629A	u8/L	911g1	9495	9962
- C466_Ov		91R06R00	u8/L	9 R5A	99524	910R00
Li6404Ov		91669	u8/L	9926	919_0	949A
t 82023CM		9130R00	u8/L	9B04g1	99AA62	915_9
t K2346Ov		9131g_	u8/L	910A9	9_g0	91g_40
t r2020CM		9169	u8/L	9g56	9935	91g16
, n8_53Ov	W	9R15R00	u8/L	9AR03	99663A	9_5R50
, i2A16CM		91 945	u8/L	9 925	9933	91g_ 3
Pb220ACM		9B 9A2	u8/L	999A0	91291	a1g134
pb206_CM		9_6g_4	u8/L	9A_g_	9 g1	9g_6A
pe1560CM		964g_	u8/L	91A_9	920g10	91952
pi2316Ov		9R44	u8/L	9B039	992	994AA
pK1_55CM		91092	u8/L	910g 4	910 9	994A6
pN213Ov		9AR_	u8/L	91193	9g1 60	9AR2
ciAA_5CM		9_952	u8/L	91 95	9162g1	a1_g 5
cl150_CM		a229A	u8/L	9B19_	9A 9	a1g15
VC252_CM		9 390	u8/L	9_965	9149A	99_ 4
ZK2062CM		9AR04	u8/L	9109_	99A632	9_g1
YCA600Ov		91AR0A2	7 9/p	91A19A6	9190_0	91AR0A2
YC22_ACM		9R1A9	7 9/p	91A956	9g15_05	9R1A9
YCA600CM		9_R40	7 9/p	925945	9945635	9_R40

CCV

t edhr d9 nE e: - 60102011

t edhr d9/enisir K: 91R04

CCV

t edr d9 nE e: - 60102011

t edr d9v enisir K: 91R04

MknSsd nE e: yMt

MqDui nE e: 6/26/201 992: _ Pt

p nE Tle9: Ste: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		9_2gl	u8/L	99335	91gl4	95R_5
MA561Ov		912R50	u8/L	9_2gl4	99330_	95R06
Ms1_51CM		9_55g	u8/L	994A_	993_4	910_g
Mu2_24CM		9_54g	u8/L	91gA1	992646	91R_0
BC20_5CM		9806g	u8/L	99gl A	99g 2A6	9_1Ag4
Bm 33_Ov		980Ag1	u8/L	99330	99423	91_R60
BeA1A0Ov		9_3g	u8/L	994A4	99g_5A	91_R_0
7mA13_Ov		912R10	u8/L	9926	992_45	91R46
7d2263CM		980_5	u8/L	994A5	9942A	91R_
7r22_6CM		9804g	u8/L	99336	99g 030	91R42
7M644CM		9_51gA	u8/L	9935_	994326	95R65
7uA24ACM		980_5	u8/L	99465	91g_2	91R51
Fe2355Ov		911R30	u8/L	9115gA	91g04	9_R05
- C466_Ov		911R30	u8/L	99g_12	99g_252	91RAA
Li6404Ov		9800gA	u8/L	99gl404	99gA_12	9_R35
t_82023CM		912R40	u8/L	990gA	993_2	91R_4
t_K2346Ov		9_4_g	u8/L	99333	993A_1	9154g
t_r2020CM		9803gl	u8/L	99444	91g_01	9123g
, n8_53Ov		912R_0	u8/L	9935A	99g3_30	920R50
, i2A16CM		9811g	u8/L	9_450	993A6A	9_2Ag1
Pb220ACM		9806g	u8/L	9945	993102	9A5_g1
pb206_CM		9_45g	u8/L	9_354	91g_43	9123gA
pe1560CM		9801g	u8/L	9_4_0	993323	9_g
pi2316Ov	W	911R40	u8/L	9_2g4	993A633	9_53g
pK1_55CM		980Ag4	u8/L	9935A	91gl50	9142g
pN213Ov		9803g	u8/L	99g_634	99gl412	915R40
ciAA_5CM		9_51g	u8/L	99gl33	91g_34	913R40
cl150_CM		9814gl	u8/L	994A3	993324	9160g
VC252_CM		9_5gA	u8/L	99gl_	91g_4	91R_04
ZK2062CM		9_53g	u8/L	994A6	993315	954_g
YCA600Ov		912R33	7 9/p	91_g_2	99g030A	912R33
YC22_ACM		91R_6g	7 9/p	91gl4_	99g A55	91R_6g
YCA600CM		952R_0	7 9/p	91R10g	91glA1A	952R_0

CCB

t edr d9 nE e: - 60102011

t edr d9v enisir K: 91R04

MknSsd nE e: yMt

MqDui nE e: 6/26/201 992:3A:13Pt

p nE Tle9: Ste: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		9924_4	u8/L	99561_	9A_31	91gl1A
MA561Ov		993_	u8/L	99g_0	91A33	9920A
Ms1_51CM		99g 554	u8/L	99g_0	9_g	994655
Mu2_24CM		993662	u8/L	99gl244	99233	99g_
BC20_5CM		993_A2	u8/L	99gl45A	99043	99g_3_
Bm 33_Ov		99gl004	u8/L	99gl_0	9114gA	993g
BeA1A0Ov		99g_2A6	u8/L	99g A44	9Ag1	9920
7mA13_Ov		994_	u8/L	9_321	9130gl	994A
7d2263CM		99g_121	u8/L	99g01_6	9_344	91g61
7r22_6CM		99gl114	u8/L	99g664	9956g	99g02
7M644CM		99g_11	u8/L	99gl055	9_335	911g1
7uA24ACM		99g_11	u8/L	99gl650	990gl2	99g
Fe2355Ov		99333	u8/L	99gl_0	994A	9_g150
- C466_Ov		9_3g_3	u8/L	99g045	91g26	914g_
Li6404Ov		9935A_	u8/L	99351	99A3gA	91A34
t_82023CM		99g_1	u8/L	91g A	990g	99g_1
t_K2346Ov		99gl_A	u8/L	99g_2	9_3g4	99g_A_
t_r2020CM		99g04	u8/L	99g_A1	993gl6	99gA62

CCB

t edhr d9 nE e: - 60102011

t edhr d9v enisir K: 91FA04

MknSsd9 nE e: yMt

MqDuih9 nE e: 6/26/201 992:3A:13Pt

p nE Tle9: Ste: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
, n8_53Ov		920gA3	u8/L	90gA665	91g_0A	985gA0
, i2A16CM		90g144_	u8/L	900035_0	9A_0	90562
Pb220ACM		90g_11	u8/L	9024AA	96g_A	91gA05
pb206_CM	F	910g_3	u8/L	900A4	91530	90g_A
pe1560CM		90gA_51	u8/L	91g_2	9_4g	90g_02
pi2316Ov		91gA21	u8/L	91_9	91R_A	91gA43
pK1_55CM		90gA06A	u8/L	90g_24	9_635	903355
pN213Ov		90g_636	u8/L	90g1152	9331	924gA
ciAA_5CM		90g_5_6	u8/L	9000513	91015	91gA43
cl150_CM		90gA0A3	u8/L	90gA_6	923_	91g_0
VC252_CM		90g_5_	u8/L	90g14_5	9153g	91g_2
ZK2062CM		90gA311	u8/L	90g1A_4	9A53g	90gA_4_
YCA600Ov		91AR_1	7 9/p	91533_	91g_55_	91AR_1
YC22_ACM		91R15_g	7 9/p	90g13643	90021450	91R15_g
YCA600CM		9254R60	7 9/p	9_3353	90g13_32	9254R60

CCV

t edhr d9 nE e: - 60102011

t edhr d9v enisir K: 91FA04

MknSsd9 nE e: yMt

MqDuih9 nE e: 6/26/201 992:34:36Pt

p nE Tle9: Ste: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
MA2_0CM		9_0g	u8/L	90g1_2	900A454	9R_
MA561Ov		912R10	u8/L	90A9	9136	9R013
Ms1_51CM		9_55gA	u8/L	91g_66	90gA4A	910_9
Mu2_24CM		9_5_g	u8/L	900A_14	9000463A	91R_1
BC20_5CM		900_g	u8/L	91g_2	90gA620	9_130
Bm33_Ov		90A0	u8/L	9_g_2	90g_411	91_R30
BeA1A0Ov		9_4g	u8/L	9132A	9136A	91_R0
7mA13_Ov		912R200	u8/L	9166gA	91gA6A	9R442
7d2263CM		9006g	u8/L	91g_	900AA_	9R332
7r22_6CM		910g	u8/L	905344	90g_4_	91R46
7N644CM		9_503	u8/L	91g_5	902220	9R_0
7uA24ACM		90A0	u8/L	90g16_	900AA_4	91R54
Fe2355Ov		911R_50	u8/L	9_3g	9006	9_R2
-C466_Ov		911R0A0	u8/L	91_33	9122A	91R51
Li6404Ov		9_54g	u8/L	90gA6	91gA3A	9_R0AA
t_82023CM		91AR_0	u8/L	905gA6	90gA21	91R52
t_K2346Ov		9_46g	u8/L	9006	91g_00	91553
t_r2020CM		90053	u8/L	90240	90g_34	9125g
, n8_53Ov		912R10	u8/L	91103	90g_5_	920R1A0
, i2A16CM		912g	u8/L	90g_30	90g_44_	9_2A9
Pb220ACM		900_g	u8/L	90g_A	90g_6A	9A_9
pb206_CM		9_5Ag	u8/L	9_gA6A	9135	912_9
pe1560CM		900_g	u8/L	9_9_1	90g_02	9_94
pi2316Ov	W	911R1A0	u8/L	92240	913A3	9_553
pK1_55CM		9006g	u8/L	902301	90g_5A_	914Ag
pN213Ov		90A0	u8/L	90gA5A	91265	915R50
ciAA_5CM		9_52g	u8/L	90gA66	9006_A2	913R_0
cl150_CM		91_g	u8/L	90g_12	90g1A13	9160g
VC252_CM		9_g	u8/L	9123	902363	91R26
ZK2062CM		9_54g	u8/L	900A26A	90006336	943gA
YCA600Ov		912R32	7 9/p	9114g1A	900_A	912R32
YC22_ACM		91R40g	7 9/p	914341	90g_32	91R40g
YCA600CM		925AR0A0	7 9/p	9_4g_6	90g23_65	925AR0A0

CCB

t edhr d9 nE e: - 60102011

t edhr d9v enisir K: 91FA04

CCB

t edhr d9 nE e: - 601022011

t edhr d9v enisir K: 91FA04

MknSsd9 nE e: yMt

MqDuih9 ne: 6/26/201 99A:02:23Pt

p nE Tle9: Ste: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		209A312	u8/L	99 013	911g A	26930
MA561Ov		9 g 21	u8/L	9 g 00	9124	2A9165
Ms1_51CM		919A31	u8/L	99466A	9691	99934A
Mu2_24CM		2091244	u8/L	99 604	9A60g	99 _
BC20_5CM		99950	u8/L	992404	9A591	99 _
Bm 33 Ov		209 031	u8/L	991 24	9A921	91A9A3
BeA1A0Ov		999124	u8/L	994 30	9 g 6	2A9242
7 mA13_Ov		919A3	u8/L	994 _	91 _g	2A9A5
7d2263CM		99 26A	u8/L	9960A5	91 19	219 1
7r22_6CM		9990_A5A	u8/L	99 _100	96391	9996A
7M2644CM		209 55	u8/L	999015 2	9A9 _5	99 _5
7uA24ACM		99964	u8/L	99310	9159 _	9919
Fe2355Ov		910916	u8/L	99 _3	99 g 0	9 g 13
- C466 Ov		9 9	u8/L	910925	92295	2149A
Li6404Ov		99 042	u8/L	9916	9 5391	91390
t 82023CM		999A3	u8/L	9A9 02	91 59	2290A
t K2346Ov		9994_A	u8/L	99902240	999A20	999A64
t r 2020CM		9 922	u8/L	99456A	91 _g 6	99 _12
, n8_53Ov		919A6	u8/L	99 166	91931	999
, i2A16CM		99 _A31	u8/L	999A130	9A4912	99 _14
Pb220ACM		999AA0	u8/L	99 5A5	911 91	219 _5
pb206_CM	F	91093	u8/L	9A9 2 _	9A 96	9A9165
pe1560CM		99 _A	u8/L	919 _1	9691A	9193 _
pi2316Ov		999 5	u8/L	9A94	9129	9A961
pK1_55CM		2092432	u8/L	99 156	91329	99965 _
pN213Ov		99915A _	u8/L	9991A6A	9109A0	2A491A
ciAA_5CM		91924	u8/L	9991242	9109A6	91 _9A
cl150_CM		2094440	u8/L	99462A	9 _191	21915
VC252_CM		9996 23	u8/L	9992301	9A _92	91920 _
ZK2062CM		209334 _	u8/L	9995542	914 _g	99A 66
YCA600Ov		912R6 _	7 9/p	96990 _	999146A	912R6 _
YC22_ACM		91R_A9	7 9/p	999AA	9994 _ 23	91R_A9
YCA600CM		925_R40	7 9/p	99 _946	9991406A	925_R40

PBWHF17ICW2

t edhr d9 nE e: - 601022011

t edhr d9v enisir K: 91FA04

MknSsd9 nE e: yMt

MqDuih9 ne: 6/26/201 99A:04:0 Pt

p nE Tle9: Ste: UKKkr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		209155A	u8/L	993063	923g 2	2A9 _
MA561Ov		999A45	u8/L	9991	9A2A91	29 1
Ms1_51CM		91g 36	u8/L	99963A	9A _g 2	99 _ 5
Mu2_24CM		99903211	u8/L	919A50	969940	9 91A _
BC20_5CM		919106	u8/L	9912 _	91912 _	9A920
Bm 33 Ov		209 12	u8/L	99 A5A	91 _91	915g
BeA1A0Ov		209A _3	u8/L	9990 2A1	91291	29g 56
7 mA13_Ov		9 934	u8/L	919A11	9 _91	2990 _
7d2263CM		9991201	u8/L	9996230	9209	29915
7r22_6CM		999 2	u8/L	9995 21	9639AA	9990A
7M2644CM		209A5 0	u8/L	999AA0 _	9 _9A54	99911
7uA24ACM		919113	u8/L	99916 _	915g	9A39A
Fe2355Ov		269 2	u8/L	919A0	915916	9991AA
- C466 Ov		99 94	u8/L	9A396	96923	2129A
Li6404Ov		2199	u8/L	919A0	969A4	2A _ 52
t 82023CM		9 9902	u8/L	99 2A _	9 9461	29 _
t K2346Ov		919A42	u8/L	999106	9139A3	91923
t r 2020CM		919 _3	u8/L	9993 _	99910	9996A

PBWHF17ICW2

t edhr d9 nEe: - 60102011

t edhr d9v enisir K: 91R04

MknSsd9 nEe: yMt

MqDuih9 nEe: 6/26/201 99A:04:0 Pt

p nE Tle9: Ste: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
, n8_53Ov		92002	u8/L	96g_5	9A2g 0	98593
, i2A16CM		909066	u8/L	909A063	9 gA4	90g 3 4
Pb220ACM		909351	u8/L	90916A5	9190	919A_
Pb206_CM		9A9 6	u8/L	90955_	9159A	9192
pe1560CM		909310	u8/L	9094A64	9119A2	909661
pi2316Ov		909A54	u8/L	9 09_	910930	91900
pK1_55CM		909A055	u8/L	909155	9 gA	909455
pN213Ov		909360	u8/L	909 01_	91390	9A3g 3
ciAA_5CM		909A235	u8/L	9091A 5	9 1g 0	9119A
cl150_CM		909611	u8/L	909020	9A093	909644
VC252_CM		9092A26	u8/L	90941 0	9A069	909341
ZK2062CM		919016	u8/L	909_3 5	9_g 13	90904
YCA600Ov		91AR2	7 9/p	9A59A4	90954 6	91AR2
YC22_ACM		9AR2329	7 9/p	9A965A	9092640	9AR2329
YCA600CM		9A00R_0	7 9/p	91R509A	90g 6222	9A00R_0

SH4556-001

t edhr d9 nEe: - 60102011

t edhr d9v enisir K: 91R04

MknSsd9 nEe: yMt

MqDuih9 nEe: 6/26/201 99A:11: Pt

p nE Tle9: Ste: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
MAA2_0CM		92 96	u8/L	9AA91	91A gA	9 gA43
MA561Ov		91349	u8/L	91904	9A639	9 g_46
Ms1_51CM		91R_1	u8/L	9A692	909133	9A9_3
Mu2_24CM		91019	u8/L	9A094	9 g_	90g_123
BC20_5CM		91R24	u8/L	9_Ag 4	9Ag 06	9109
Bm33_Ov		91196	u8/L	9_964	9_9_	9A9_
BeA1A0Ov		919A5	u8/L	9_g A2	9259	9Ag AA
7mA13_Ov		9134R00	u8/L	91R25	90915	9A269
7d2263CM		9A g1	u8/L	909132	91g_02	919A1
7r22_6CM		91 g_	u8/L	909 0	9gA 6	90g_A A
7N644CM		90g_2 2	u8/L	9A092	9AR32	9AgA 2
7uA24ACM		9219	u8/L	92590	9A901	91519
Fe2355Ov		9AR 5	u8/L	9 59A	91gA_4	91495
- C466_Ov		91R43R00	u8/L	91 R50	91900	9AR254
Li6404Ov		9 2gA3	u8/L	9A39_	9_g 5	91395
t 82023CM		91 4R00	u8/L	9B6A9	90gA_A4	91519
t K2346Ov		913_9	u8/L	9B3g_5	9A39A	919A
t r2020CM		92gA0	u8/L	9 g 0	9 gA41	91921
, n8_53Ov	W 91 R50R00	91R50R00	u8/L	9241R00	91g_41	9A R00
, i2A16CM		9B294	u8/L	9159A2	9A696	91g_0
Pb220ACM		9_gA1	u8/L	91902	9Ag_0	90g_65
Pb206_CM		9A229	u8/L	9AA91	9109A5	919_0
pe1560CM		91609A	u8/L	9B091	9B691A	90922A
pi2316Ov		9R91	u8/L	9 R14	9B69_	9gA60
pK1_55CM		9A5g_1	u8/L	926916	9A29_	90gA412
pN213Ov		9R910	u8/L	99_	909011	9 19
ciAA_5CM		92901	u8/L	9_9	91059	91_90
cl150_CM		9_294	u8/L	9 59A	9B0g 4	91gA64
VC252_CM		91_g 5	u8/L	9954A	9A490	9Ag 35
ZK2062CM		9AR4	u8/L	9AAg_A	91966	9B0g_
YCA600Ov		912R_11	7 9/p	9_395	929A2	912R_11
YC22_ACM		9R_359	7 9/p	90913100	909022010	9R_359
YCA600CM		9_AR940	7 9/p	9112g_	909A5444	9_AR940

LCSWHF17ICW2

t edhr d9 nEe: - 60102011

t edhr d9v enisir K: 91R04

LCSWHF17ICW2

t edr d9 nE e: - 60102011

t edr d9v enisir K: 91FA04

MkntSsd9 nE e: yMt

MqDuih9 ne: 6/26/201 99A:16:2_Pt

p nE Tle9:Ste: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		9_5A	u8/L	95_5	915A1	955AgA
MA561Ov		91R63	u8/L	91_55	90566_	9542gl
Ms1_51CM		955g A	u8/L	90gA164	90gA1_3	922gA
Mu2_24CM		a1g_6	u8/L	902301	916g_2	91gl62
BC20_5CM		9802g	u8/L	90gA315	900400_	9_05g
Bm 33_Ov		92R03	u8/L	92_5A2	91g_1A	913FA_0
BeA1A0Ov		9_5gl0	u8/L	905A16	912_6	91R_A
7mA13_Ov		92R_2	u8/L	921gAA	90g_4A3	91R3A
7d2263CM		9260gA	u8/L	910A2	90gA564	92R_3
7r22_6CM		9813g	u8/L	90g_123	900_002	91R1
7M644CM		920Ag	u8/L	925_	91glA1	92RA2
7uA24ACM		926_g	u8/L	91g_A0	905A1	9_R4
Fe2355Ov		95_g	u8/L	9_22	90g_411	9A34g
- C466_Ov		95R_2	u8/L	910_6	91056	95R10
Li6404Ov		9_6gl	u8/L	90524	91g_23	9_R_0
t_82023CM		98R23	u8/L	916gA6	90gA1A0	9A3g
t_K2346Ov		9_43gl	u8/L	91053	92gA06	9_01g
t_r2020CM		9A02g	u8/L	9Ag_1_	91262	9_A5g
,_n8_53Ov		91R32	u8/L	90gA2	9126_	911R60
,_i2A16CM		9815g	u8/L	9154	90gA455	9_3gl
Pb220ACM		910Ag	u8/L	90g_001	90gA_31	9_0g
pb206_CM		9104g	u8/L	92014	91g_4_	9245
pe1560CM		910Ag	u8/L	91g_21	91gA61	91_gA3
pi2316Ov		9_R313	u8/L	9_0gl2	90g_4	9A_5
pK1_55CM		980_5	u8/L	923_	90g_A4	9146g
pN213Ov		9806g	u8/L	9_564	9151	915FA50
ciAA_5CM		980_5	u8/L	9_552	9050A3	916FA_0
cl150_CM		95_53	u8/L	926_	92gA02	925g_6
VC252_CM		9806gA	u8/L	9_g_45	90g_6	9_R52
ZK2062CM		9800g	u8/L	915A6	90gA264	953g
YCA600Ov		91AR11	7_5/p	9A2gl_1	92_4A	91AR11
YC22_ACM		91R6_g	7_5/p	91_24	90gl552	91R6_g
YCA600CM		9251R2A0	7_5/p	91FA_g	91gA310	9251R2A0

SH4214-001

t edr d9 nE e: - 60102011

t edr d9v enisir K: 91FA04

MkntSsd9 nE e: yMt

MqDuih9 ne: 6/26/201 99A:21:02Pt

p nE Tle9:Ste: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		90gA_2	u8/L	90gA_04	9_6g_A	9A11g
MA561Ov		9_Ag_1	u8/L	91Ag0	9A1gl_1	913g_4
Ms1_51CM		9_053	u8/L	905665	92g_3	91562
Mu2_24CM		a1g_33	u8/L	9024_A	91_gA5	9A66
BC20_5CM		9155g	u8/L	90g_05	90g_035	9131g
Bm 33_Ov		921gl	u8/L	90g_A05	920A_	9_0Ag
BeA1A0Ov		90033_	u8/L	9001014	91_2g	94g1
7mA13_Ov	W	9_R0A0	u8/L	9_A3g	91g_A5	926FA0
7d2263CM		a0gA14A	u8/L	90gl1_A	916g_5	9_055
7r22_6CM		92g_A	u8/L	90gA2A	91122	912g4
7M644CM		a0522A	u8/L	90gl_50	9A0gA_	9_gA_0
7uA24ACM		a05645	u8/L	90gA166	93gA3	9A5g_5
Fe2355Ov	W	94R300	u8/L	91FA33	92gA34	920R_0
- C466_Ov		95R_6	u8/L	91_0g	92gl_1_	9_R40
Li6404Ov		9_5A	u8/L	90534A	9120A	93g
t_82023CM		92R440	u8/L	926gA	90gl134	92R_2
t_K2346Ov	W	92R425	u8/L	916gl_	92gA52	9_R5
t_r2020CM		92g_6	u8/L	90gA66A	9A0g_2	9_g_4

SH4214-001

t edr d9 nE e: - 60102011

t edr d9 enisir K: 91R04

MkntSd9 nE e: yMt

MqDuih9 nE e: 6/26/201 99A:21:02Pt

p nE Tle9: Ste: UKkKrwK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
, n8_53Ov	W	98_440	u8/L	98_3g	91g164	98_R00
, i2A16CM		91gA00	u8/L	90g_415	9A6gA0	90g_653
Pb220ACM		91g_A_	u8/L	90g664	9_6gA4	90g530
pb206_CM		90g1_4A	u8/L	91gA_	91R13	90g3_5
pe1560CM		92g21	u8/L	90g2440	910g5	91g242
pi2316Ov		9_1A_	u8/L	9155g	92g_1	9625g
pK1_55CM		90g266	u8/L	90g_46	98_6A	90g_010
pN213Ov		9803g	u8/L	98g14	91g110	91_R50
ciAA_5CM		91g_3	u8/L	90g312	92gA6	9AAg
cl150_CM		90g500	u8/L	90gA55	984g_	92g04
VC252_CM		91g16_	u8/L	90g6_33	98g_6_	98g20
ZK2062CM		9_0A2	u8/L	90g1100	92g25	9_02A
YCA600Ov		912R5	7 9/p	912Ag1	90g41	912R5
YC22_ACM		98R_6g	7 9/p	92_31	90gA614	98R_6g
YCA600CM		92_OR60	7 9/p	92R_5g	90g_162	92_OR60

SH4214-003

t edr d9 nE e: - 60102011

t edr d9 enisir K: 91R04

MkntSd9 nE e: yMt

MqDuih9 nE e: 6/26/201 99A:23:0Pt

p nE Tle9: Ste: UKkKrwK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
MBA2_0CM		90g_64	u8/L	90g1010	921g1	98g16A
MA561Ov		912g2	u8/L	9_81_	9A4g5	90g30A
Ms1_51CM		91g212	u8/L	91g_30	9132g	90g212
Mu2_24CM		90g1000	u8/L	90g235_	9235g_	9Ag_
BC20_5CM		910g3	u8/L	90g236	9_02	910g1
Bm33_Ov		9Ag_A	u8/L	90g114	9Ag1	913_g
BeA1A0Ov		90g06A30	u8/L	90g505A	91RA2	98g_A
7mA13_Ov		915R230	u8/L	9_2A	90g_34	9_1R34
7d2263CM		90g3002	u8/L	90g1322	9A0g_A	91gA
7r22_6CM		90g1A_	u8/L	90g1102	945g_0	91g50
7M644CM		90g2043	u8/L	90g160_	94g30	9_g_1
7uA24ACM		91g50	u8/L	90g121_	94g205	9_Ag16
Fe2355Ov		925g1	u8/L	9_0g_6	913g0	913g
-C466_Ov		91R43	u8/L	915g	91gA_	941g
Li6404Ov		90g03_	u8/L	90gA6A	9121g	916g6
t_82023CM		9AR5	u8/L	913g2	90g_1_	9803g
t_K2346Ov		910g2	u8/L	90g356	90g531	913g_
t_r2020CM		90g340	u8/L	90g1601	921g13	91g3_
, n8_53Ov		9AR_5	u8/L	9A_g3	91g155	98R_3
, i2A16CM		9Ag_12	u8/L	90gA_35	911gA1	98g212
Pb220ACM		90g_541	u8/L	90g44A2	9_6g15	90g10_
pb206_CM		90g554	u8/L	90g_3_	9122g	90g_34
pe1560CM		91g_20	u8/L	90g113A	980gA_	90gA_
pi2316Ov		9_1A_A	u8/L	916g6	90gA50	9A2_gA
pK1_55CM		90gA_5A	u8/L	90g_01	9_0g14	90g_11
pN213Ov		910g4	u8/L	90g05220	90g0_3_3	9_R010
ciAA_5CM		90g_511	u8/L	90g_	9A0gA0	98g30
cl150_CM		90g_2A	u8/L	90g1255	926g	91g1A
VC252_CM		90g_0	u8/L	90g246	913_g	92g01
ZK2062CM		9Ag_	u8/L	90g1_36	90g2A0	9Ag_4_
YCA600Ov		912RA_	7 9/p	9_0g_2	90gA_32	912RA_
YC22_ACM		91RA3g	7 9/p	98g_22	90g46264	91RA3g
YCA600CM		9256R_10	7 9/p	91R_1_g	90g1115	9256R_10

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t edr d9 nE e: - 60102011

t edr d9 enisir K: 91R04

SH4214-003L

t edr d9 nE e: - 60102011

t edr d9v enisir K: 91RA04

MkntSd9 nE e: yMt

MqDuih9 ne: 6/26/201 99A:A0:1_Pt

p nE Tle9:StE: UKkKrwK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		a0t_62	u8/L	9093556	96945	a0A43
MA561Ov		943g_2	u8/L	98191	9649	919433
Ms1_51CM		9 9A5	u8/L	91g_65	9 6924	90g_A_6
Mu2_24CM		a6913A	u8/L	999_23	95g_6_	9091623
BC20_5CM		91 g13	u8/L	909A351	999A4	9 935
Bm 33_Ov		92g_63	u8/L	9091303	9993A	9 5g_0
BeA1A0Ov		9092312	u8/L	9091A14	982_9	a4g_2
7mA13_Ov		915R_10	u8/L	9 6944	90g_41	91R_21
7d2263CM		9091A2	u8/L	909A5A6	9A_4g_	a19_1
7r22_6CM		99953	u8/L	9092_A6	9 951	92g_16
7M644CM		a0g_1_1	u8/L	9191A6	924_g	96g_1A
7uA24ACM		90g_1_	u8/L	919245	91369A	98590
Fe2355Ov		92_g1A	u8/L	9 1943	91_g	96916
- C466_Ov		9193A1	u8/L	91169	949A6	91_69
Li6404Ov		a_923	u8/L	92g_1	9 594	9192A
t_82023CM		9AR_01	u8/L	910913	909641	9102g_
t_K2346Ov		910924	u8/L	919163	9119A3	929_1
t_r2020CM		929_5	u8/L	90g_262	915g_4	919A1A
,_n8_53Ov		9AR266	u8/L	91912	90932_2	91R_
,_i2A16CM		9A913	u8/L	90920A0	9094A2	91950
Pb220ACM		9_g_26	u8/L	909_202	91955	a0g_6_5
pb206_CM		a192A	u8/L	9192	91_9	909233
pe1560CM		a1A9_4	u8/L	96922	9 5g_5	9094A6
pi2316Ov		91921	u8/L	92592	90940_2	93945
pK1_55CM		a19205	u8/L	92950	9A09	909_
pN213Ov		91109A	u8/L	90946A3	909520	945_9
ciAA_5CM		90g_6_	u8/L	90g_1_6	9 492	a1691
cl150_CM		9091340	u8/L	92946	91R_30	a19166
VC252_CM		a19_2	u8/L	909521	9_91	a2g_55
ZK2062CM		9A9A6	u8/L	9092421	9691	909A_
YCA600Ov		912R_51	7 9/p	92_Ag_6	91g_514	912R_51
YC22_ACM		9AR239	7 9/p	9A9551	909_2_50	9AR239
YCA600CM		9254RA20	7 9/p	91934_9A	909A0_6	9254RA20

SH4214-003A

t edr d9 nE e: - 60102011

t edr d9v enisir K: 91RA04

MkntSd9 nE e: yMt

MqDuih9 ne: 6/26/201 99A:A:35Pt

p nE Tle9:StE: UKkKrwK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		9 329	u8/L	9A_g_A	90g_302	9R25A
MA561Ov		9R466	u8/L	910_9	91910_	9 R_0A
Ms1_51CM		9_A9	u8/L	9 g_6	909206	91039
Mu2_24CM		a0956A	u8/L	909_02	912_g1	99903
BC20_5CM		980A9	u8/L	909A2_0	9096_A5	9 05g
Bm 33_Ov		9_2g	u8/L	9695A	91926A	91_R30
BeA1A0Ov		9 639	u8/L	9A_g_A1	90g_22	914R300
7mA13_Ov		9AR_10	u8/L	9A_g_	9091_63	911R30
7d2263CM		9 469	u8/L	91911	909AAA	9R20A
7r22_6CM		9_A9	u8/L	909A5_A	909_2AA	91R_51
7M644CM		9 62g	u8/L	969266	919A33	9R_0
7uA24ACM		9_19	u8/L	90g_35	919214	9AR_35
Fe2355Ov		9 R43	u8/L	91A9A	9092460	91R_31
- C466_Ov		910R250	u8/L	92_92	909A5A	9R
Li6404Ov		9 359	u8/L	969_0	919224	9 R_
t_82023CM		9R925	u8/L	95g_0	9091030	91R_2
t_K2346Ov		9_6g	u8/L	9A9	90945_0	9A_g
t_r2020CM		9 5A9	u8/L	9 914	90g_1AA	9A069

SH4214-003A

t edr d9 nE e: - 60102011

t edr d9 enisir K: 91A04

MktSd9 nE e: yMt

MqDui9 nE e: 6/26/201 99A:35Pt

p nE Tle9: Ste: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
, n8_53Ov		9_8A0	u8/L	9_5g_6	9_85A_	91A810
, i2A16CM		9_51gA	u8/L	9_5_0	9_51521	9_4g
Pb220ACM		9_50g_	u8/L	9_45_	9_44A_	9A455
pb206_CM		9_54g_	u8/L	9_51_	9_5_2	91A0g
pe1560CM		9_50g_	u8/L	9_526	9_51	9_6g_2
pi2316Ov		9_8_A	u8/L	9_5_5	9_44A2	9A6g_
pK1_55CM		9_42_0	u8/L	9_1	9_652	9_5011
pN213Ov		9_5g_	u8/L	9_2A1	9_3_	9_2R20
ciAA_5CM		9_63g_	u8/L	9_2A	9_5A_	913R50
cl150_CM		9_5_g_	u8/L	9_34	9_12A	9_3_g_
VC252_CM		9_66g_	u8/L	9_5A_	9_3	9_3R32
ZK2062CM		9_45g_	u8/L	9_51	9_4AA	9_5_g_
YCA600Ov		912R5A1	7_5/p	9_46g_2	9_5A55	912R5A1
YC22_ACM		9_4R36g	7_5/p	91g_2_	9_5153	9_4R36g
YCA600CM		9_5A860	7_5/p	9_56Ag	9_4A_0	9_5A860

SH4214-003S

t edr d9 nE e: - 60102011

t edr d9 enisir K: 91A04

MktSd9 nE e: yMt

MqDui9 nE e: 6/26/201 99A:5A1Pt

p nE Tle9: Ste: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
MBA2_0CM		9_g_A	u8/L	9_6315	9_6_6	9_6g_
MA561Ov		91R54	u8/L	9_50	9_510_4	9_5Ag
Ms1_51CM		9101g_	u8/L	9_206	9_3_	9_2g_6
Mu2_24CM		912A4	u8/L	9_3	91g_6	9_5_6
BC20_5CM		9_4g_	u8/L	9_6	9_31	9_11g_
Bm33_Ov	W	9_515	u8/L	9_263	9_5A	9_3R60
BeA1A0Ov		9_5g_2	u8/L	9_16_3	9_4A46	91R63
7mA13_Ov		9_2R30	u8/L	9_1	9_111	910R_0
7d2263CM		9_36g_	u8/L	9_200A	9_4_00	9_4A1
7r22_6CM		9_5_g_	u8/L	9_4_	9_5_03	91R_
7M644CM		915_g_	u8/L	91g_04	9_6_	9_4_0
7uA24ACM		9_33g_	u8/L	9_3	9_5_	9_560
Fe2355Ov		9_4Ag	u8/L	9_243	9_5A63	9_66g_
-C466_Ov		911R5A0	u8/L	9_4g_	9_310	9_521
Li6404Ov		9_1g_	u8/L	9_5_	9_600	9_44
t82023CM		9_R22	u8/L	91g_1	9_125	91R26
tK2346Ov		9_2g_	u8/L	9_500	9_13	9_10g_
t r2020CM		9A_g_	u8/L	9_12	9_265	9_5g_
, n8_53Ov		910R00	u8/L	9_46	9_424	914R10
, i2A16CM		9_1_g_	u8/L	9_2A1A	9_51	9_5Ag
Pb220ACM		9102g_	u8/L	9_1_A	9_2	9_5A
pb206_CM		9103g_	u8/L	9_5_0	9_6_	9_655
pe1560CM		9104g_	u8/L	9_42	9_2	913g_0
pi2316Ov		9_5_	u8/L	9_3g_0	9_3_	9_50g_
pK1_55CM		9_51g_	u8/L	9_46A	9_5_5A	914Ag
pN213Ov		9_14g_	u8/L	9_64	9_5A_	9_5A0
ciAA_5CM		9_53g_	u8/L	9_26	9_56	913R_0
cl150_CM		9_3g_5	u8/L	9_5	9_01	9_4_4
VC252_CM		9_54g_	u8/L	9_54	9_25	9_5_1
ZK2062CM		9_54g_	u8/L	9_50	9_02A	9_5Ag
YCA600Ov		912R_4	7_5/p	9146g_6	9_606	912R_4
YC22_ACM		91R24g_	7_5/p	9_604	9_41004	91R24g_
YCA600CM		9_52R50	7_5/p	91A01g_	9_3A4	9_52R50

SH4214-003P

t edr d9 nE e: - 60102011

t edr d9 enisir K: 91A04

SH4214-003P

t edr d9 nE e: - 60102011

t edr d9v enisir K: 91R04

MkntSsd nE e: yMt

MqDui nE e: 6/26/201 99A :0APt

p nE Tle9 Ste: UKkKrwK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		98100	u8/L	902_61	903605	91R0_6
MA561Ov		92R051	u8/L	921g A	91023	91R0_2
Ms1_51CM		9100g	u8/L	91gA11	91gA0A	922gA6
Mu2_24CM		91gA53	u8/L	9020_5	91g_2	902_4
BC20_5CM		95_g1	u8/L	90g A1_	902_665	90A0A
Bm 33_Ov	W	92R14	u8/L	910_	9032AA	90R060
BeA1A0Ov		92223	u8/L	90g 413	90302	91R044
7mA13_Ov		921R10	u8/L	92623	912A_	910R060
7d2263CM		9233g	u8/L	9024A06	902_60	92R13
7r22_6CM		9A3g1	u8/L	90g_24_	903_4	91R063
7M644CM		920_g1	u8/L	91gA_	903_44	92R025
7uA24ACM		926_g	u8/L	91g_1	903_65	91R4_
Fe2355Ov		91R02	u8/L	91436	91gA32	9A_13
- C466_Ov		910R_0	u8/L	911_3	91g102	96R_6
Li6404Ov		942g1	u8/L	9204	90g A5	91R4
t 82023CM		91R040	u8/L	9g_26	90310	91R03
t K2346Ov		930A2	u8/L	943_5	913_	93_3
t r 2020CM		925_gA	u8/L	92216	90g A0	9A0g
, n8_53Ov		910R30	u8/L	91A0A_	90gA22_	916R00
, i2A16CM		91g	u8/L	90316_	903A110	9432
Pb220ACM		91013	u8/L	903_0A	903656	94_g14
pb206_CM		910_g	u8/L	91g A0	91gA6	926g0
pe1560CM		910_gA	u8/L	903120	92550	91_gA5
pi2316Ov		91R051	u8/L	914_g	920_1	966g
pK1_55CM		9513	u8/L	90g 53	903123	91653
pN213Ov		9601g1	u8/L	91g1_4	9031505	92A050
ciAA_5CM		9_2gA	u8/L	9A0_5	903A13	913R040
cl150_CM		95A01	u8/L	9031220	903A02	92_g16
VC252_CM		9153	u8/L	9g136	90gA553	91R051
ZK2062CM		922gA	u8/L	91g1_1	902260	91R0A2
YCA600Ov		91A00	7 0/p	91_63	91g115	91A00
YC22_ACM		91R21gA	7 0/p	91g1_65	90316103	91R21gA
YCA600CM		925_R00	7 0/p	920_2	90g100A	925_R00

SH4214-004

t edr d9 nE e: - 60102011

t edr d9v enisir K: 91R04

MkntSsd nE e: yMt

MqDui nE e: 6/26/201 99A :A3Pt

p nE Tle9 Ste: UKkKrwK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		9031026	u8/L	9024AA	9266gA	903A43
MA561Ov		92_63	u8/L	94g1_4	92g_51	91A2g
Ms1_51CM		915g A	u8/L	90g 23A	92g150	9gA03
Mu2_24CM		9123_	u8/L	902_A6	915gA6	90gA300
BC20_5CM		922_g1	u8/L	902301	903116	9141gA
Bm 33_Ov		9A01	u8/L	902102	903200	91R06
BeA1A0Ov		9036401	u8/L	9036523	910A0A	90336
7mA13_Ov		916R050	u8/L	90326	903_0	91R03
7d2263CM		9034556	u8/L	902144	9242A	903_26
7r22_6CM		9020	u8/L	9031A35	96g_	92316
7M644CM		9031_14	u8/L	903045	9A3_3	94gA1
7uA24ACM		91322	u8/L	9030_660	903651	94_gA
Fe2355Ov		9A603	u8/L	903A2	91350	91A32
- C466_Ov		91R03A	u8/L	9A03	90gA_42	91R020
Li6404Ov		90306	u8/L	90g 330	90332	9543
t 82023CM		912R0A0	u8/L	92_g_4	902A61	91R03
t K2346Ov		91133	u8/L	90313_3	90gA_6	96_gA
t r 2020CM		91_gA6	u8/L	90g 03A	92g_6	92035

SH4214-004

t edr d9 nE e: - 60102011

t edr d9 enisir K: 91A04

MktSd9 nE e: yMt

MqDui9 nE e: 6/26/201 99A: A3Pt

p nE Tle9: Ste: UKKkr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
, n8_53Ov	W	9134R00	u8/L	912Ag	99d4_66	9230R00
, i2A16CM		9 901	u8/L	99g1A0A	92g_AA	94g_2
Pb220ACM		999341	u8/L	99g A15	949A	91g13
pb206_CM		99g 055	u8/L	99g222	9 92	99g61A
pe1560CM		91951	u8/L	99g130	9A0g_	99g64A
pi2316Ov		99A0_	u8/L	99g A	9196A	9A549
pK1_55CM		99g_6A	u8/L	99g134A	91393	99g3_
pN213Ov		921 g	u8/L	99gA51	99g_26	94R5A_
ciAA_5CM		91090	u8/L	99g243	99g2A	9A019
cl150_CM		919_61	u8/L	99g 65	94993	91gA04
VC252_CM		99gA604	u8/L	99g464	92194	9A9_0
ZK2062CM		9Ag 63	u8/L	99g114	9Ag_4	99g_0
YCA600Ov		912R21	7 9/p	92g 1	99gA22	912R21
YC22_ACM		96R119	7 9/p	99g440	99g 302	96R119
YCA600CM		9246R_00	7 9/p	92R0A9	99g 0 4	9246R_00

CCV

t edr d9 nE e: - 60102011

t edr d9 enisir K: 91A04

MktSd9 nE e: yMt

MqDui9 nE e: 6/26/201 99A: 3A1_Pt

p nE Tle9: Ste: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
MBA2_0CM		9 4_9	u8/L	949_	91916	95R53
MA561Ov		912R10	u8/L	912 9	91925	96R15
Ms1_51CM		9 5_9	u8/L	9Ag1	99g252	910_g
Mu2_24CM		9 5_9	u8/L	99g15	91931	91R344
BC20_5CM		980 9	u8/L	99gA4A2	99g4A53	9 1_9
Bm33_Ov		9 559	u8/L	9 g 1A	99g_A	91_R50
BeA1A0Ov		9_19	u8/L	99gA22	919A1	91_R240
7mA13_Ov		912R100	u8/L	92A_9	91940	96R444
7d2263CM		980Ag	u8/L	91940	99gA11_	96R3_
7r22_6CM		9806g	u8/L	99g_46_	99g14A1	91R343
7M644CM		9_99	u8/L	9_910A	91946	96R_3
7uA24ACM		9 54g	u8/L	99g 1	91g 16	94R_1
Fe2355Ov	W	911R_0	u8/L	91659	91g 4	9 RA_6
- C466_Ov	W	911R_0	u8/L	91639	91g 03	94R
Li6404Ov		9_5g	u8/L	99g12_	91932	9 R53
t 82023CM		912R_0	u8/L	9 1g A	99gA151	91R54
t K2346Ov	W	9 63g	u8/L	99g1_	99g66	94_59
t r2020CM		9806g	u8/L	9 9_	99g14_	9A0g_
, n8_53Ov		912R150	u8/L	969_	99g 635	920R20
, i2A16CM		98109	u8/L	91964	99gA 63	9 2_9A
Pb220ACM		9806g	u8/L	99g205	99g 1A4	9A539
pb206_CM		9_99	u8/L	9_92	919_	9126g_
pe1560CM		980_9	u8/L	99g 0	9194_	96_9
pi2316Ov	W	911R340	u8/L	92239	919_	9 539
pK1_55CM		98009	u8/L	99g1 5	99g1225	9142g
pN213Ov		9 559	u8/L	99g1A	9192	915R20
ciAA_5CM		9_39	u8/L	99g05	91g133	913R_50
cl150_CM		981_9	u8/L	91g61	99gA620	91609
VC252_CM		9_99	u8/L	99g 4	91963	94R04
ZK2062CM		9 5Ag	u8/L	99g 2A6	99g_3_6	94Ag
YCA600Ov		91AR4A	7 9/p	913AgA6	91g14A1	91AR4A
YC22_ACM		94R1_9	7 9/p	9494_	99g 241	94R1_9
YCA600CM		9256R_0	7 9/p	9AR 5g	9192_5	9256R_0

CCB

t edr d9 nE e: - 60102011

t edr d9 enisir K: 91A04

CCB

t edhr d9 nE e: - 60102011

t edhr d9v enisir K: 91FA04

MknSsd nE e: yMt

MqDuih9 ne: 6/26/201 95:34: _Pt

p nE Tle9: Ste: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		201A10	u8/L	9g _	9A 26	20043
MA561Ov		2g 36	u8/L	9_20	9 12	a 55
Ms1_51CM		26_	u8/L	91_3	9323	9g 342
Mu2 24CM		202330	u8/L	9g 102	91606	9A00
BC20_5CM		9000_	u8/L	94460	91330	2g 1A
Bm 33 Ov		201A6	u8/L	90022_1	9106_	20g A
BeA1A0Ov		90_2A4	u8/L	905315	91136	20A0
7 mA13_Ov		26_3	u8/L	9 g_	9263	212A2
7 d2263CM		90_2A2	u8/L	90056A4	91141	21A0_
7 r 22_6CM		9040	u8/L	91A_	91566	2240
7 M2644CM		206 A_	u8/L	90A264	904	26431
7 uA24ACM		902406	u8/L	91222	9 3916	2160
Fe2355Ov		91001	u8/L	9g 3	9_g _	9_g 54
- C466 Ov		2650	u8/L	913g 4	9146	a_g 4
Li6404Ov		20416	u8/L	901656	266_	9g A0
t 82023CM		91 0	u8/L	26143	91A26	2A 3
t K2346Ov		904262	u8/L	91 6	2646	90246
t r 2020CM		9 g 4	u8/L	9053A6	2265	9g 3
, n8_53Ov		90_3	u8/L	904 33	9g 203	9 1A2
, i2A16CM		201A32	u8/L	90A233	2R0_	90_0
Pb220ACM		90_51_	u8/L	9g 302	90 g	21642
pb206_CM	F	9g 5	u8/L	90_2	9 163	2g 02
pe1560CM		2614	u8/L	90A5	9 6	91054
pi2316Ov		9_0_	u8/L	91g_	9 6g	2130
pK1_55CM		900A633	u8/L	91 2	2R32	90_22
pN213Ov		90A_	u8/L	901A2_	9A56_	2A2A1
ciAA 5CM		91g 5	u8/L	9014 3	91g 62	91465
cl150_CM		20361	u8/L	9023	9 g 4	21A3
VC252 CM		90101_	u8/L	90122A	91202	91g 3
ZK2062CM		203360	u8/L	901206	2140	90A 52
YCA600Ov		91A0_	7 6/p	2A0_	9014610	91A0_
YC22 ACM		912246	7 6/p	9g 3 5	90_5A03	912246
YCA600CM		9A01R60	7 6/p	91R05g	9001AA	9A01R60

SH4214-005

t edhr d9 nE e: - 60102011

t edhr d9v enisir K: 91FA04

MknSsd nE e: yMt

MqDuih9 ne: 6/26/201 95:02:24Pt

p nE Tle9: Ste: UKKkr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		20A63_	u8/L	900304A	91A_4	21R06
MA561Ov		915gA	u8/L	9g 101	9 g 50	9A_52
Ms1_51CM		916A0	u8/L	9g 232	9006A	9A1g 6
Mu2 24CM		2622	u8/L	90A53	9A423	90gA6
BC20_5CM		2366	u8/L	9g 166	9162A	22g 2
Bm 33 Ov		91 g 6	u8/L	90A2AA	22A6	9A62
BeA1A0Ov		905 10	u8/L	9036_2	90gA_	a 640
7 mA13_Ov	W	23R50	u8/L	2A4g	90A25	912R00
7 d2263CM		216_	u8/L	90155A	91g	91A40
7 r 22_6CM		2616	u8/L	901166	9 6A6	202 56
7 M2644CM		260A	u8/L	9015_	9124	2150_
7 uA24ACM		2g	u8/L	90A6	9 3	20g _
Fe2355Ov	W	9142R00	u8/L	91R04	9g 1 1	93R00
- C466 Ov		9R_6	u8/L	9_2_	90 A2	9A632
Li6404Ov		9026A2	u8/L	904 6	25 gA	91A45
t 82023CM		9 R64	u8/L	91260	902354	940g
t K2346Ov	W	2R40	u8/L	91g_	9g 440	9 R01
t r 2020CM		20A625	u8/L	9023A	9204	901A65

SH4214-005

t edhr d9 nEe: - 60102011

t edhr d9/enisir K: 91R04

MknSsd9 nEe: yMt

MqDuih9 nEe: 6/26/201 99:02:24Pt

p nE Tle9:StE: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
, n8_53Ov		92R0A	u8/L	91_06	904313	9A854
, i2A16CM		203	u8/L	900A 6_	9146A	2031
Pb220ACM		90503	u8/L	90A256	9A6g 0	902_
pb206_CM		9055_5	u8/L	90_05	910A	90 1
pe1560CM		2040_6	u8/L	9046 _	91046	91g 4
pi2316Ov		90A5	u8/L	9 60A6	904331	9 4 2
pK1_55CM		904_ 4	u8/L	904A1_	9A26	905161
pN213Ov		912A6	u8/L	90g 62A	904 1	9 1A0
ciAA 5CM		90A 1	u8/L	90g113	9A26	210g 5
cl150_CM		2023	u8/L	902A42	9142	20 62
VC252_CM		90g1A_5	u8/L	90g1011	9A2g	2A_5
ZK2062CM		9A 54	u8/L	9003354	90g1601	9A262
YCA600Ov		91A10A	7 6/p	91A2A	90g10101	91A10A
YC22 ACM		9A2210	7 6/p	912A13	90g143 0	9A2210
YCA600CM		250R_50	7 6/p	90g 14	90246 3	250R_50

SH4214-006

t edhr d9 nEe: - 60102011

t edhr d9/enisir K: 91R04

MknSsd9 nEe: yMt

MqDuih9 nEe: 6/26/201 99:04:0 Pt

p nE Tle9:StE: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
MBA2_0CM		2022A2	u8/L	90A40A	91636	202_
MA561Ov		9126	u8/L	91061	914A2	2A6
Ms1_51CM		9_130	u8/L	90600	9g 40	91626
Mu2_24CM		21052	u8/L	90g1056	9100A	2023
BC20_5CM		9_3_3	u8/L	900 1	9g 20	9010
Bm 33_Ov		916g 1	u8/L	9g 3	20405	9246
BeA1A0Ov		90A	u8/L	90g1315	9 1g	2015
7mA13_Ov	W	91A20	u8/L	9_46	91g _	9A3R_0
7d2263CM		202626	u8/L	90 43A	91_10	9056
7r22_6CM		202004	u8/L	90g_0A	9_5_6	91656
7M644CM		205354	u8/L	9002540	9A053	9g 10
7uA24ACM		20100	u8/L	90A31	9120	9_4g13
Fe2355Ov		2020	u8/L	2420	90A13	91063
- C466_Ov		91R04	u8/L	9004153	90006300	9A_g
Li6404Ov		9025	u8/L	90A_	912g 6	9_03
t 82023CM		912R30	u8/L	9136_	90g1242	91R06
t K2346Ov		91_06	u8/L	9104_	90541	253g
t r 2020CM		90653	u8/L	9015_0	20 2	2004
, n8_53Ov		91R0A1	u8/L	9_2_2	910AA	912R00
, i2A16CM		90g14 5	u8/L	90A05	91466	90_343
Pb220ACM		91g_4	u8/L	9020	2424	206613
pb206_CM		9 004	u8/L	902546	9g 24	91A0
pe1560CM		9163A	u8/L	90_0_	9_2	90310
pi2316Ov		9 R _	u8/L	9_40	90614	9A_6
pK1_55CM		91A51	u8/L	90g 22	91022	91g104
pN213Ov		9A66	u8/L	900	91g 5A	2A20
ciAA 5CM		90A15	u8/L	905156	912A_	9166A
cl150_CM		90A413	u8/L	90_03	2A40	215_
VC252_CM		20 1_	u8/L	90g1A 3	9A212	216
ZK2062CM		9A10_	u8/L	900 66	90g1 A4	9021
YCA600Ov		912R33	7 6/p	204 0	9021520	912R33
YC22 ACM		9R0A 0	7 6/p	902A_	90g A12	9R0A 0
YCA600CM		2_5R_0	7 6/p	9 R0A66	91A0A1	2_5R_0

SH4214-007

t edhr d9 nEe: - 60102011

t edhr d9/enisir K: 91R04

SH4214-007

t edr d9 nE e: - 60102011

t edr d9v enisir K: 91R04

MkntSd9 nE e: yMt

MqDuih9 ne: 6/26/201 99:11: Apt

pnE Tle9:StE: UKKkr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		20g 3 0	u8/L	90g 610	9101g	21 g_
MA561Ov		2A6g	u8/L	90f5 2	90g 20	9105g
Ms1_51CM		5g	u8/L	20A3	20g 4	20A16
Mu2_24CM		21gA3	u8/L	90fAA	9A_g	90fA43
BC20_5CM		232g	u8/L	90fA403	90f 66	915A8
Bm 33_Ov		9_Ag2	u8/L	90g_213	90f_56	9AR 04
BeA1A0Ov		90fA444	u8/L	90g3_63	9133g	26g_00
7mA13_Ov	W	91R60	u8/L	91R34	91f23	9AAR 00
7d2263CM		20g2_22	u8/L	90f163	9 12f	21g 1
7r22_6CM		20g22	u8/L	90f106	90f61	9_03_
7M644CM		90g 214	u8/L	90f15_	9 4g13	916gA1
7uA24ACM		20f34	u8/L	90f25A5	91106	5Ag_
Fe2355Ov		91R55	u8/L	91_g14	91f3	9 05g
- C466_Ov		910R210	u8/L	9A6gA	90f 6A	9AR31
Li6404Ov		91f2_	u8/L	91g_41	91 1g	2406
t 82023CM		914R00	u8/L	95gA0	90f5A_	2AR2
t K2346Ov	W	2R5	u8/L	26g 4	91f04	9AR3
t r 2020CM		90g_233	u8/L	90f1_5	91 g 0	91g_2
, n8_53Ov	W	9 3R50	u8/L	9 53g	91053	91AR_0
, i2A16CM		9A2A_	u8/L	90f10A0	9A_f1	90f61
Pb220ACM		90f 03	u8/L	90f400	90g 5	20f_5
pb206_CM		2g	u8/L	90f102	2 f4	90g_65
pe1560CM		91g 6A	u8/L	90fA343	2 g	90g_60
pi2316Ov		9_R04	u8/L	91 1f	91f 0	93 f
pK1_55CM		90g_A2	u8/L	90f10_4	912gA1	90f260
pN213Ov		9 5Ag	u8/L	9 g_3	90f_5_	91_R 0
ciAA_5CM		9_f65	u8/L	90f1A 3	91f65	2_g
cl150_CM		90g 4_A	u8/L	90f650	91A5f	21f3
VC252_CM		90g_21	u8/L	90f_5	91_g1A	211f0
ZK2062CM		90f54	u8/L	90f 6_	2g_45	910f12
YCA600Ov		912RA5	7 f/p	2 3gA6	91f111	912RA5
YC22_ACM		9R_5gA	7 f/p	916f_0	90fA465	9R_5gA
YCA600CM		2_R60	7 f/p	2R 0f	90f622A	2_R60

SH4214-008

t edr d9 nE e: - 60102011

t edr d9v enisir K: 91R04

MkntSd9 nE e: yMt

MqDuih9 ne: 6/26/201 99:16:1_Pt

pnE Tle9:StE: UKKkr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		20f_2	u8/L	90f5_6	201f	2_f30
MA561Ov		243g	u8/L	912f4	9 f53	9124g
Ms1_51CM		910g 3	u8/L	90f6A2	9A02	2g 4
Mu2_24CM		2g A_	u8/L	90f_235	9A_	2g_43
BC20_5CM		2A_g	u8/L	90f0A464	90f01345	91_g
Bm 33_Ov		9A5f2	u8/L	90g_ 1	90f0_	2R5AA
BeA1A0Ov		20f1224	u8/L	90fA_6A	9A1 f	2_f6A
7mA13_Ov	W	9_R10	u8/L	9A32f	90f12_	9A1R_10
7d2263CM		20f00A 20	u8/L	90f 312	91AR_0	21gA0
7r22_6CM		91g_2	u8/L	90f01_36	90f101_	9A35
7M644CM		90f_1A	u8/L	90f1340	2A03	915g1
7uA24ACM		2g_55	u8/L	90f620	9A61	93g_
Fe2355Ov		91R26	u8/L	910g_4	90f635	9 1A0
- C466_Ov		9R_A	u8/L	90g_	90f110	9R32
Li6404Ov		91046	u8/L	91g_46	9163g	21f22
t 82023CM		916R10	u8/L	912g_0	90f4636	2R2A0
t K2346Ov	W	2R3_	u8/L	910f	90g_2	9AR 1
t r 2020CM		90fA06	u8/L	90f1563	9A4g	91g_4

SH4214-008

t edhr d9 nE e: - 60102011

t edhr d9v enisir K: 91R04

MknSsd9 nE e: yMt

MqDuih9 nE e: 6/26/201 99:16:1_Pt

p nE Tle9: Ste: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
, n8_53Ov	W	9 AR40	u8/L	9A542	95200	96_R40
, i2A16CM		9A251	u8/L	99_46	92343	9655
Pb220ACM		9lg A4	u8/L	99_3	959	90g 64A
pb206_CM		9lg _	u8/L	9lg 45	9_ 6	96211
pe1560CM		9lg01	u8/L	9lg _	9_ 6	961A6
pi2316Ov		9_R3_	u8/L	9A3A6	99g 1_1	9AAG
pK1_55CM		9926A_	u8/L	99A3_	91A3g	992_4
pN213Ov		9416	u8/L	9lg12A	992A_1	914R30
ciAA_5CM		91065	u8/L	99_3_	99g 251	9A1 gl
cl150_CM		9926_6	u8/L	9925_3	912g	92gl_6
VC252_CM		99g_20_	u8/L	992A6_	9_ 3	91190
ZK2062CM		9g_31	u8/L	991010	99_2	9630
YCA600Ov		912R_3	7 6/p	9101gA	99g_01A4	912R_3
YC22_ACM		9R1_6	7 6/p	912gl56	9914626	9R1_6
YCA600CM		9_AR40	7 6/p	91R_39	99_30	9_AR40

SH4214-009

t edhr d9 nE e: - 60102011

t edhr d9v enisir K: 91R04

MknSsd9 nE e: yMt

MqDuih9 nE e: 6/26/201 99:20:36Pt

p nE Tle9: Ste: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
MBA2_0CM		9944A1	u8/L	99031	9_59	9114g
MA561Ov		91246	u8/L	91gl_	9_ 64	9664
Ms1_51CM		9A55gl	u8/L	9lgA_	99g A36	9_Ag0
Mu2_24CM		99g_5_0	u8/L	99g_125	9062	91_g0
BC20_5CM		9146g	u8/L	991310	99_364	91A36
Bm33_Ov		9116g	u8/L	9lgA5	9lg132	9 RA_
BeA1A0Ov		99352	u8/L	991601	940g	910g
7mA13_Ov	W	95R30	u8/L	901g	9923	94R30
7d2263CM		99251_	u8/L	9901540	99432	91Ag
7r22_6CM		99A34	u8/L	991156	912g_	9g A5
7N644CM		99	u8/L	9916A3	9_ 3	9A5g
7uA24ACM		992	u8/L	9910A4	99122	9_16
Fe2355Ov		920R00	u8/L	90_g	91gA	9R00
- C466_Ov		92R60	u8/L	90Ag	91g33	91 RA0
Li6404Ov		9A64	u8/L	99113	913g_2	95g_1
t_82023CM		920R40	u8/L	91g2	991031	9R25
t_K2346Ov	W	91R_	u8/L	92gl4	9g_3	91R_11
t_r2020CM		992_20	u8/L	99135A	93g_2	99A01
, n8_53Ov	W	95R30	u8/L	96Ag	99_1A	9101R00
, i2A16CM		913gA6	u8/L	99g_4_	9916	9Ag_3
Pb220ACM		9lg_34	u8/L	99_1A	913gl3	99A061
pb206_CM		99A4	u8/L	99441	92g3	91926
pe1560CM		99g_01	u8/L	992_A	9_ 45	99010
pi2316Ov		912R_0	u8/L	9_4g	91g30	9626
pK1_55CM		99112	u8/L	99g_1	9A05g	99411
pN213Ov		9156	u8/L	9_ 41	91g55	9AR10
ciAA_5CM		9923	u8/L	993A2_	99A06	9134g
cl150_CM		99g_40A	u8/L	996_3	91R1A	91g_A
VC252_CM		91g_4	u8/L	991451	914gl1	9gl_5
ZK2062CM		9992	u8/L	99A512	99153	9_g_3
YCA600Ov		912R_A	7 6/p	91g11	991614	912R_A
YC22_ACM		9R_6g	7 6/p	91g_45	99214A2	9R_6g
YCA600CM		9_1R60	7 6/p	96_gA	995A_A	9_1R60

SH4214-010

t edhr d9 nE e: - 60102011

t edhr d9v enisir K: 91R04

SH4214-010

t edr d9 nE e: - 60102011

t edr d9/enisir K: 91R04

MkntSsd nE e: yMt

MqDuih9 ne: 6/26/201 99 :23:A Pt

p nE Tle9:StE: UKkKrwK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		a02_1_	u8/L	903610	91551	a12 2
MA561Ov		9111gA	u8/L	915gAA	914gA4	9_3A
Ms1_51CM		9A536	u8/L	9032A	9016 5	92g 6
Mu2_24CM		a1g 35	u8/L	90 41	9 gA	912g 0
BC20_5CM		9146g	u8/L	9032 3	902566	91A3g
Bm 33 Ov		91136	u8/L	90 00	903_66	9 R14
BeA1A0Ov		a02206	u8/L	905A0_	9 216	a g 4A
7 nA13_Ov	W	9B5R 0	u8/L	9A5 1	90632	924R 0
7 d2263CM		a02224	u8/L	90A60A	9161_	91 2A
7 r22_6CM		9043_A	u8/L	90403	90A0A	9 g 5_
7 M644CM		9043	u8/L	90 1	90 16	9A60
7 uA24ACM		9 g 5	u8/L	9036 1	9126_	911_g
Fe2355Ov		91R050	u8/L	9AA16	91342	91R33
- C466 Ov		9A210	u8/L	9AA66	91g 32	91 R60
Li6404Ov		904A1	u8/L	90A_6	90 2	9066A
t 82023CM		90R020	u8/L	90g	902531	90R15
t K2346Ov	W	91R01	u8/L	9052	91g 55	91R A0
t r 2020CM		a06004	u8/L	9050_	9131A	a01560
, n8_53Ov	W	90R 0	u8/L	9A256	9032_	9100R00
, i2A16CM		91 g 3	u8/L	901066	90A44	92g 0
Pb220ACM		9063	u8/L	902_2_	91A65	90g 6_6
pb206_CM		90456	u8/L	90 6_	9_ 3	90A31
pe1560CM		a 223	u8/L	90A_A	91_ 6	90 62
pi2316Ov		91A150	u8/L	91442	91A A	9055gA
pK1_55CM		a0g 143	u8/L	9056A4	9A06	90g 561
pN213Ov		915g	u8/L	90 3	9026_	90A40
ciAA_5CM		904_	u8/L	90153A	9 505	910 1
cl150_CM		9041A	u8/L	901503	9AA	a1g 2_
VC252_CM		90426	u8/L	90256	9A0g 4	90 5
ZK2062CM		91_ 4	u8/L	90 040	9021_0	9A3g 3
YCA600Ov		912R06	7 6/p	90365	9015343	912R06
YC22_ACM		90R A4gA	7 6/p	9_ g 22	90g 136_	90R A4gA
YCA600CM		9_ R020	7 6/p	90R 0 3	90g 311	9_ R020

SH4214-011

t edr d9 nE e: - 60102011

t edr d9/enisir K: 91R04

MkntSsd nE e: yMt

MqDuih9 ne: 6/26/201 99 :A0:12Pt

p nE Tle9:StE: UKkKrwK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		a01A35	u8/L	90123	9023	a1A16
MA561Ov		9 1gA3	u8/L	9 1g_A	91012	91 g A
Ms1_51CM		902 6	u8/L	90A_1	90621A	91A06
Mu2_24CM		a2120	u8/L	9045A	9 620	911g_
BC20_5CM		91_4g	u8/L	9044_0	90 132	91 Ag
Bm 33 Ov		91 00	u8/L	9106_	90462_	90R44
BeA1A0Ov		a01A_3_	u8/L	90 561	912_6	a0A A
7 nA13_Ov	W	9A2_0	u8/L	9 546	904_62	905R30
7 d2263CM		a0A054	u8/L	903_26	91_g 1	91301
7 r22_6CM		9044A	u8/L	9011_2	90g 4	9 45_
7 M644CM		91441	u8/L	90A01_	913A1	9A605
7 uA24ACM		90 20_	u8/L	901005	91225	9 2A
Fe2355Ov		9A2020	u8/L	915Ag	90 20	9 R1A
- C466 Ov		9 R060	u8/L	9013	902064	913R0A0
Li6404Ov		90 2	u8/L	901_4_	90 30	9A4g 5
t 82023CM		902R30	u8/L	9A_g	90143A	90R21
t K2346Ov	W	91R13	u8/L	90 64	9026A	91R 1
t r 2020CM		a06020	u8/L	9021_3	9A6A0	a01546

SH4214-011

t edhr d9 nE e: - 60102011

t edhr d9v enisir K: 91R04

MknSsd nE e: yMt

MqDuih9 nE e: 6/26/201 99 :A0:12Pt

p nE Tle9:StE: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
, n8_53Ov	W	95F2_0	u8/L	9_5g	994065	911R00
, i2A16CM		91_3	u8/L	99_1AA	99_22	929
Pb220ACM		999460	u8/L	99_ A_	9_0g	999AA0
pb206_CM		919963	u8/L	9991_6	9_910	99934
pe1560CM		99_13	u8/L	99_1	99945	9199A4
pi2316Ov		91A9_0	u8/L	9_93A	999A34	91R92A
pK1_55CM		99_346	u8/L	99955	9992	999135
pN213Ov		99949	u8/L	99_0	999_04	999910
ciAA_5CM		99_95A	u8/L	9996644	99933	999_
cl150_CM		99_3_3	u8/L	99_30_	99991	919_3
VC252_CM		919_0	u8/L	9994614	99930	919_2
ZK2062CM		91295	u8/L	999451	919_2A	9_9A0
YCA600Ov		912R9A2	7 9/p	999925	9996510	912R9A2
YC22_ACM		99R949	7 9/p	919_31	99922355	99R949
YCA600CM		9_9R960	7 9/p	9_992	9992_3	9_9R960

SH4214-012

t edhr d9 nE e: - 60102011

t edhr d9v enisir K: 91R04

MknSsd nE e: yMt

MqDuih9 nE e: 6/26/201 99 :A :30Pt

p nE Tle9:StE: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
MA2_0CM		99952A	u8/L	9991_3A	999_	99990
MA561Ov		9_390	u8/L	99921	99934	91993
Ms1_51CM		99_9_5	u8/L	99942	9990_	91_9_5
Mu2_24CM		999	u8/L	999A1A1	999913	9_9_6A
BC20_5CM		91_91	u8/L	999_0_	999612	91991
Bm33_Ov		99991	u8/L	99940A	999212	91R9_
BeA1A0Ov		999AA2_	u8/L	9994006	99999	99951
7mA13_Ov	W	9_3R910	u8/L	999269	999115	999R9A0
7d2263CM		9992_26	u8/L	9992_56	9_9A0	919940
7r22_6CM		999455	u8/L	999251_	999_1	999_3
7R644CM		9995A6	u8/L	9991233	99_9_	91993
7uA24ACM		999_01	u8/L	999354	9_996	99993
Fe2355Ov		99R910	u8/L	9_1916	91993A	91R9A
-C466_Ov		9_9954	u8/L	91A19	919_6	99R9_A
Li6404Ov		999_3A	u8/L	919135	99954g	91299A
t_82023CM		910R950	u8/L	9991g	999513	91R_4
t_K2346Ov		99A_9	u8/L	99965	91910	9_29
t_r2020CM		999905	u8/L	999A4_6	99993A	919966
, n8_53Ov		9_9R930	u8/L	91A59	99945A	9A_R900
, i2A16CM		9999_3	u8/L	999151A	9991g_3	919912
Pb220ACM		99912A	u8/L	9991045	919913	999_40
pb206_CM		999932	u8/L	999336	999291	999_13A
pe1560CM		9999650	u8/L	999A6	99_49	999_3
pi2316Ov		9_9R9A5	u8/L	91039	999A1	99929
pK1_55CM		919942	u8/L	919962	919149	919903
pN213Ov		9_99A	u8/L	99930	91996A	999R914
ciAA_5CM		999A_2	u8/L	999A200	91A69	91A9_
cl150_CM		999465	u8/L	91995	99A_9	919924
VC252_CM		99910_	u8/L	9991252	91_1_9	99996A
ZK2062CM		9_9930	u8/L	99912_2	99955	9991
YCA600Ov		912R9A1	7 9/p	9A_9_3A	9994062	912R9A1
YC22_ACM		99R9619	7 9/p	9199212	99924356	99R9619
YCA600CM		9_9R9A0	7 9/p	999A1g	9994225	9_9R9A0

SH4254-022

t edhr d9 nE e: - 60102011

t edhr d9v enisir K: 91R04

SH4254-022

t edr d9 nEe: - 60102011

t edr d9/enisir K: 91FA04

MknSsd nEe: yMt

MqDuih9 ne: 6/26/201 99 :A5:24Pt

p nE Tle9:StE: UKkKrwK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		201623	u8/L	91251	915g 6	235_
MA561Ov		9166	u8/L	914A	9125	21 A
Ms1_51CM		21A	u8/L	91345	9161	21
Mu2_24CM		2563	u8/L	9122	91_2	91_4
BC20_5CM		9134	u8/L	911A0	22_0	22
Bm 33 Ov		21	u8/L	913 6	2213	23
BeA1A0Ov		2515	u8/L	9152A	916_	205
7mA13_Ov		91050	u8/L	2032	20AA	9150
7d2263CM		250	u8/L	910A_44	9106	9102
7r22_6CM		9125	u8/L	9162	91106	916
7M644CM		245	u8/L	9121	9152	22
7uA24ACM		91A455	u8/L	91000	9126g	9125
Fe2355Ov		9140	u8/L	22A	225	9130
- C466 Ov		91R4A	u8/L	91531	9126 A	91R1
Li6404Ov		915	u8/L	9114	910A	9105
t 82023CM		215	u8/L	9135	912 2	9102g
t K2346Ov		913	u8/L	910A	21	91R 6
t r 2020CM		25A0	u8/L	9136 1	252A	91
, n8_53Ov		915	u8/L	910	91142	91R10
, i2A16CM		21_A	u8/L	915666	21_1	9151
Pb220ACM		913	u8/L	91454	2500	25013
pb206_CM		25A46	u8/L	91A50	914A	910
pe1560CM		91410	u8/L	916_3	916A	91330
pi2316Ov		91R15	u8/L	210	2331	91A6
pK1_55CM		91A	u8/L	9144	9131	91143
pN213Ov		20	u8/L	9121	911AA	91RA5
ciAA_5CM		25_A24	u8/L	9112	233	21
cl150_CM		91A441	u8/L	91A 24	20_	2103
VC252_CM		253256	u8/L	91110A	20_2	24_61
ZK2062CM		91A_0	u8/L	914A4A	91_ A	2214
YCA600Ov		912RA3	7 /p	91_2	91g A65	912RA3
YC22_ACM		91R0_	7 /p	91_4	91 5441	91R0_
YCA600CM		254R300	7 /p	91R1	911A1	254R300

SH4254-023

t edr d9 nEe: - 60102011

t edr d9/enisir K: 91FA04

MknSsd nEe: yMt

MqDuih9 ne: 6/26/201 99 : :0 Pt

p nE Tle9:StE: UKkKrwK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		911 53	u8/L	91_ 2	91RA2	91230
MA561Ov		2315	u8/L	9124	9135	22
Ms1_51CM		91	u8/L	9104	913A1	910A5
Mu2_24CM		91 20	u8/L	91A6	9166	91A_
BC20_5CM		9160	u8/L	916_6	9152	91_A
Bm 33 Ov		91A	u8/L	91122	9160	91_2
BeA1A0Ov		9106546	u8/L	91AA6A	91_2	25A
7mA13_Ov		91A230	u8/L	91_5	91g A2	91R5
7d2263CM		9125_3	u8/L	914A0	913_	21A3
7r22_6CM		25460	u8/L	91125	91A	91g 45
7M644CM		2500A	u8/L	91A4	21_	9126
7uA24ACM		91_3	u8/L	91_4	913	91501
Fe2355Ov		2200	u8/L	9104	9166	24g 1
- C466 Ov		9143	u8/L	912A	911	91A
Li6404Ov		91A31	u8/L	91A 15	23A	91220
t 82023CM		2103	u8/L	21 5	91540	9102g
t K2346Ov		2240	u8/L	91334	91211	91400
t r 2020CM		25A4A	u8/L	91 6 A	91534	91225

SH4254-023

t edr d9 nE e: - 60102011

t edr d9 enisir K: 91R04

MktSsd nE e: yMt

MqDui nE e: 6/26/201 99 : :0 Pt

p nE Tle9 Ste: UKKkr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
, n8_53Ov		9ARA_	u8/L	9A1g_0	9g_2_3	9R22
, i2A16CM		9dg_	u8/L	9gA566	9g_15	9g1001
Pb220ACM		9lg_54	u8/L	9g131	9_1g5	9g_03
pb206_CM		9g6_	u8/L	9g253	9g2A	9g_2A6
pe1560CM		9a1g43	u8/L	9g245	9g_46	9g_455
pi2316Ov		9RA3	u8/L	9g0g0	9g2A	9A_4
pK1_55CM		9gA603	u8/L	9g_45	9A3g	9g_55
pN213Ov		9A4A	u8/L	9g_0	9g0A	9R_50
ciAA_5CM		9g_021	u8/L	9g1460	915g	9a15g1
cl150_CM		9g_35	u8/L	9g1A4	91g24	9a1g_
VC252_CM		9g5302	u8/L	9gA2_1	9A_g10	9gA0
ZK2062CM		9g_15	u8/L	9g1405	9g_	91g_3
YCA600Ov		912R_01	7 9/p	9121g1	9g_610	912R_01
YC22_ACM		9R_0g	7 9/p	9g_1_A	9g63404	9R_0g
YCA600CM		95AR_50	7 9/p	931g46	9gA2_62	95AR_50

CCV

t edr d9 nE e: - 60102011

t edr d9 enisir K: 91R04

MktSsd nE e: yMt

MqDui nE e: 6/26/201 99 : : 2Pt

p nE Tle9 Ste: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
MBA2_0CM		9_6g	u8/L	9g43	9g25	910R20
MA561Ov		912R_10	u8/L	93gA	9g2043	9R56
Ms1_51CM		9_5_g	u8/L	9g45_2	9g161A	9105g
Mu2_24CM		9_54g	u8/L	9g34	9gA12_	91R01
BC20_5CM		9g02gA	u8/L	9g_A46	9g_412	9_13g
Bm33_Ov		9_54g	u8/L	9g_1_	9g_62	91_R50
BeA1A0Ov		9_3g	u8/L	9g_1_0	9g164_	91_R200
7mA13_Ov		912R_00	u8/L	9_0g	9gA2_	9R_0
7d2263CM		9gAg	u8/L	9g11A	9g_05	9R01
7r22_6CM		9g06g	u8/L	9g45A0	9g1364	91R_6
7M644CM		9_51g	u8/L	9g3	9g_031	9R26
7uA24ACM		9_56g	u8/L	9g_12	9g252	9R_A6
Fe2355Ov	W	911R_20	u8/L	93g3	9g_413	9_R_
- C466_Ov		911R_0	u8/L	91AAg	9g121	9R_2
Li6404Ov		9_5_gA	u8/L	9g223	9g_45	9_R_6
t_82023CM		91AR_20	u8/L	9g2532	9g02264	91R_16
t_K2346Ov		9_4_g	u8/L	9g_25	9g_044	9_5_g
t_r2020CM		9g0Ag	u8/L	9_g04	9g1_4	9A2gA
, n8_53Ov		912R_50	u8/L	915g_3	9g1356	915R_50
, i2A16CM		910g	u8/L	9g205	9g_A2A	9_A1g
Pb220ACM		9g04g	u8/L	9gA1	9gA211	9A55g
pb206_CM		9_Ag	u8/L	9g65	9g16	9124g
pe1560CM		9_55g	u8/L	9_g21	9g_30	9_g
pi2316Ov	W	911R_30	u8/L	91g0	9g4_6	9_5_g
pK1_55CM		9g_g	u8/L	9g25_1	9g03_A3	9143g
pN213Ov		9g0Ag	u8/L	9g_64	9g10_4	915R_A0
ciAA_5CM		9_6g	u8/L	9g_0_5	9g_0	913R_60
cl150_CM		916g	u8/L	9g1A3	9g262	9162g
VC252_CM		9_4g	u8/L	9g_62	9g4514	9R_32
ZK2062CM		9_5Ag	u8/L	9gA55	9g_A4	9_0g
YCA600Ov		912R_20	7 9/p	9101g_	9g_3A	912R_20
YC22_ACM		9R_42g	7 9/p	912g_6	9g14_26	9R_42g
YCA600CM		953R_60	7 9/p	9R01g	9g_42A	953R_60

CCB

t edr d9 nE e: - 60102011

t edr d9 enisir K: 91R04

CCB

t edhr d9 nE e: - 60102011

t edhr d9v enisir K: 91FA04

MknSsd9 nE e: yMt

MqDuih9 nE e: 6/26/201 99 :3A:11Pt

p nE Tle9:StE: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		9995552	u8/L	999_52	91_5g	99_00
MA561Ov		a1g 40	u8/L	99910	9130g	a6A44
Ms1_51CM		91g 16	u8/L	999023	9A390	999462
Mu2_24CM		a0g 56_	u8/L	91934	9A1Ag	99923
BC20_5CM		99g AA6	u8/L	9991636	9A_91_	99931
Bm 33_Ov		a0gAA31	u8/L	99914A2	99194	9169
BeA1A0Ov		999602	u8/L	999125	991_g	a3g_62
7mA13_Ov		a0946A	u8/L	9995_	9193A	a9934
7d2263CM		9992150	u8/L	9991AA6	9919A	a19_4
7r22_6CM		999130A	u8/L	9991532	91955	999100
7M644CM		a0930A3	u8/L	9991A33	9959	9991
7uA24ACM		9991A4A	u8/L	9991034	9A695	9959A
Fe2355Ov		91AgA	u8/L	99935	91495	9996A
- C466_Ov		914gA2	u8/L	91gA06	9991	a3g_2
Li6404Ov		999_13	u8/L	9991320	9_Ag	9129_
t 82023CM		a19104	u8/L	9193	91469	aAg_1
t K2346Ov		a091A14	u8/L	99915_	9_409	a09A43
t r 2020CM		9A924	u8/L	91901	9495	9995_
, n8_53Ov		91936	u8/L	9991A16	910g_	9_g_3
, i2A16CM		a09A06	u8/L	9994123	9A090	999A20
Pb220ACM		91g_6A	u8/L	999A_46	999A6	a0g_4_3
pb206_CM	W	9A934	u8/L	999_3	9A1913	999A21
pe1560CM		9A9_	u8/L	999_A6	9A9_A	91956
pi2316Ov		9A191	u8/L	99990	9191	9A9_
pK1_55CM		a0g_60	u8/L	91g_04	9A139	9991_5
pN213Ov		999A44	u8/L	9996_10	9_93	aA911
ciAA_5CM		999AA6	u8/L	999444	999	9_g_6A
cl150_CM		a09225	u8/L	919103	9_569	a1930
VC252_CM		a09023A6	u8/L	999_102	9191_	999003
ZK2062CM		a0911A1	u8/L	999A051	999A9A	999A51
YCA600Ov		91A9110	7 9/p	9_59_0	9994516	91A9110
YC22_ACM		9A9_91	7 9/p	910922	999_63	9A9_91
YCA600CM		99559440	7 9/p	919A439	999_3_52	99559440

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t edhr d9 nE e: - 60102011

t edhr d9v enisir K: 91FA04

MknSsd9 nE e: yMt

MqDuih9 nE e: 6/26/201 99 :34:30Pt

p nE Tle9:StE: UKKkr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		a1gA6_	u8/L	91916	9_g_	a996A
MA561Ov		9A194	u8/L	999A	9_2g_2	a9911
Ms1_51CM		999160	u8/L	99922	9991	999410
Mu2_24CM		aAgA_	u8/L	91g_25	9_2914	919_
BC20_5CM		9_g_1	u8/L	999A6	9_g_1A	9A92_
Bm 33_Ov		99901	u8/L	999A_31	91_g_1	9_6g_3
BeA1A0Ov		99906	u8/L	99905A	9991g_5	a_g_4_
7mA13_Ov		91A920	u8/L	999A2	999_2	9193_
7d2263CM		999055	u8/L	99965	99929	a9922
7r22_6CM		a09_5A_	u8/L	9991563	9A549	9992_
7M644CM		99914	u8/L	999_2_6	91029	9_g_3
7uA24ACM		91gA22	u8/L	999A1_4	9A9_0	9991g_
Fe2355Ov		999159	u8/L	9_9A	912g_	9993
- C466_Ov		9991g_	u8/L	9_g_44	91491_	99944
Li6404Ov		a1092	u8/L	9_g_45	9_Ag_	a10gA2
t 82023CM		9996_	u8/L	91_g_14	9992_	9994
t K2346Ov		9_g_45	u8/L	999A_	9A_04	9A9_A_
t r 2020CM		91g_25	u8/L	999_0	91_g_6	91g_56

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t edhr d9 nE e: - 60102011

t edhr d9 enisir K: 91R04

MkntSsd nE e: yMt

MqDuih9 nE e: 6/26/201 99:34:30Pt

p nE Tle9: Ste: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
, n8_53Ov		9A83_	u8/L	96644	91644	91R_6
, i2A16CM		a02_	u8/L	903040	920 gl	90623
Pb220ACM		91g_6	u8/L	900_423	906253	a1g 25
pb206_CM		915gA	u8/L	95662	9 5gA	91gA1_
pe1560CM		98g 0_	u8/L	956 6	91_A6	9060_
pi2316Ov		98R2A	u8/L	92161	90g 153	915gA_
pK1_55CM		9161A	u8/L	902_ 1	91_g4	906_05
pN213Ov		9_Ag_	u8/L	90g 350	906 55	984_0
ciAA_5CM		91664	u8/L	900 105	9A6 2	a1A66
cl150_CM		a1636	u8/L	9A62A	9A126	a1664
VC252_CM		a0g 653	u8/L	90gA5_4	9_ 61	a06553
ZK2062CM		960 A	u8/L	90g_42	91_ 6_	90603
YCA600Ov		912R2A	7 6/p	94 66	906506_	912R2A
YC22_ACM		9A6_ 6	7 6/p	92_641	90gA5221	9A6_ 6
YCA600CM		9A01R10	7 6/p	98 062	90g145 2	9A01R10

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t edhr d9 nE e: - 60102011

t edhr d9 enisir K: 91R04

MkntSsd nE e: yMt

MqDuih9 nE e: 6/26/201 99:02:25Pt

p nE Tle9: Ste: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
MBA2_0CM		9 356	u8/L	9 005	90g 41_	95R11
MA561Ov		95R41	u8/L	9026	904	9 R3A
Ms1_51CM		9_ 6	u8/L	9061	90g 664	91066
Mu2_24CM		a1gA	u8/L	90g1626	912g10	9A640
BC20_5CM		9 536	u8/L	91621	90g_43	9 06g
Bm 33_Ov		9_10	u8/L	90613	906061	914R00
BeA1A0Ov		9 6_6	u8/L	91g 3	9g 3	914R50
7m13_Ov		91_R20	u8/L	9 A26	9A_3	9_R6_
7d2263CM		9 446	u8/L	90g_36	90g1016	98R33
7r22_6CM		9_ 6	u8/L	906_A	90g 11	91R30A
7R644CM		9 666	u8/L	91641	90gA3_1	98R10
7uA24ACM		9_1g	u8/L	9166_	90gA 66	9AR 14
Fe2355Ov		98R0A1	u8/L	91A56	9064	91R31
- C466_Ov		98R64	u8/L	9A_gA	9g 5	98R2
Li6404Ov		9 3_g	u8/L	9A651	90g 242	9 R_4
t 82023CM		9AR12	u8/L	9061	906356	91R33
t K2346Ov		9 656	u8/L	910g 6	90gA1A	944_6
t r2020CM		9 566	u8/L	9064	90g 3_1	91_ 6
, n8_53Ov		9_R50	u8/L	9163	9065A3	91 R40
, i2A16CM		9 526	u8/L	906666	90g1132	915AgA
Pb220ACM		9 536	u8/L	9062_2	90g 41	9A_36
pb206_CM		9 5_0	u8/L	906163	90g10 6	91A0g
pe1560CM		9_56	u8/L	91g_06	90gA6_4	96g 5
pi2316Ov		98R64	u8/L	91566	9A_04	9A526
pK1_55CM		90631A	u8/L	90g_6_6	91AAg	90g_45_
pN213Ov		9861g	u8/L	9_002	91g 2	921R30
ciAA_5CM		9 6Ag	u8/L	90g_0_	90g10A4	91 R30
cl150_CM		9801g	u8/L	90g_14	90g16A1	91366
VC252_CM		9 646	u8/L	90gA05	90g 5A_	9AR
ZK2062CM		9_ 6	u8/L	906 A5	90g30A6	95326
YCA600Ov		912R45A	7 6/p	9A15g16	9g 5_	912R45A
YC22_ACM		9AR556	7 6/p	9AAgA5_	90g 40 1	9AR556
YCA600CM		9251R_0	7 6/p	92R51gA	90g43030	9251R_0

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t edhr d9 nE e: - 60102011

t edhr d9 enisir K: 91R04

SH4254-023S

t edr d9 nE e: - 60102011

t edr d9v enisir K: 91RA04

MkntSsd9 nE e: yMt

MqDuih9 ne: 6/26/201 988:04:00Pt

p nE Tle9:StE: UKkKrwK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		9 _g_1	u8/L	9gA65	9g100	91R0_
MA561Ov		9R0	u8/L	9g_0	9g10A_	965g
Ms1_51CM		9106g	u8/L	9g234	9g_26	9A53
Mu2_24CM		9g5_4	u8/L	9gA6AA	9g_	9g1_6
BC20_5CM		90_g	u8/L	9g3_A	9g1164	91_6
Bm 33_Ov	W	9R21	u8/L	9g_1	9g_A5	91RA10
BeA1A0Ov		90g	u8/L	9g_266	9gA3	91R33
7mA13_Ov		913R20	u8/L	90_6	9g4_A	91R6
7d2263CM		935g	u8/L	9g_006	9g13_A	91R04
7r22_6CM		91Ag	u8/L	9g11	9g5534	91R2
7M644CM		900g	u8/L	9g04	9g025	91RA5
7uA24ACM		933g	u8/L	9g01	9g_36	91R04
Fe2355Ov		91R14	u8/L	9g11	9g_62	9A43g
- C466_Ov		910R260	u8/L	9_23	9g_210	91RA2
Li6404Ov		9_0g	u8/L	9g135	9g_5	91R_1
t 82023CM		91R1_	u8/L	9A64	9gA245	91R21
t K2346Ov		901g	u8/L	9g6_	9g10	9126g
t r 2020CM		9A06g	u8/L	9g_	9g036	91_5g
, n8_53Ov		910R60	u8/L	9_gA	9g_44	914R30
, i2A16CM		914g	u8/L	9g203	9g_266	91_5g
Pb220ACM		910Ag	u8/L	9gA40	9g_21A	91052
pb206_CM		9106gA	u8/L	9g233	9g_2_0	9126
pe1560CM		910_gA	u8/L	9g_3	9g1_	913g4
pi2316Ov		9R5_	u8/L	9g4g4	9g_24	9113g
pK1_55CM		906g	u8/L	9g4A	9g1A2	9144g
pN213Ov		9_1g	u8/L	9g164	9g006	91R_0
ciAA_5CM		901g	u8/L	9_g4_	9g_3A_	916RA50
cl150_CM		96g_	u8/L	9g_03	9g11	9156g
VC252_CM		90Ag	u8/L	9g_01	9g36A	91_R_5
ZK2062CM		904g	u8/L	9gA_66	9g6_2_	91R15
YCA600Ov		912R21	7 g/p	9g_2_	9g666_6	912R21
YC22_ACM		91RA_g	7 g/p	9_g_12	9g3551	91RA_g
YCA600CM		956RA30	7 g/p	91R3_g	9g6215	956RA30

SH4254-023P

t edr d9 nE e: - 60102011

t edr d9v enisir K: 91RA04

MkntSsd9 nE e: yMt

MqDuih9 ne: 6/26/201 988:11:AAPt

p nE Tle9:StE: UKkKrwK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		9_g_	u8/L	9g2462	9g64	91R0A
MA561Ov		91R43	u8/L	9_g_3	9g_61	91_1g
Ms1_51CM		910_g	u8/L	9gA56	9gA105	91A6
Mu2_24CM		91g3	u8/L	9g15_2	9_g_A	9161
BC20_5CM		954g	u8/L	9g132_	9gA04	910gA
Bm 33_Ov	W	9R0	u8/L	912g4	9g026	913R00
BeA1A0Ov		95g46	u8/L	9g505	9g_6	91R44
7mA13_Ov		913RA0	u8/L	9164g	9g5_	91RA41
7d2263CM		923_g	u8/L	9g504	9gA335	91R_6
7r22_6CM		90_g	u8/L	9g0152_	9g00A450	91R12
7M644CM		9155g	u8/L	9g_0	9g522	91R_2
7uA24ACM		923_gA	u8/L	9g_5_4	9gA31_	91A_4
Fe2355Ov		91R05	u8/L	91Ag	9g_2	91_Ag
- C466_Ov		910R100	u8/L	9_4g2	9g_41	91RA56
Li6404Ov		9_42g	u8/L	9g04_63	9g01666	91RA2A
t 82023CM		91R63	u8/L	916g_	9gA_1	91R14
t K2346Ov		952g	u8/L	9g0A	9g16	91_A_g
t r 2020CM		9A00g	u8/L	91g46	9gA50_	91_2g

SH4254-023P

t edr d9 nE e: - 60102011

t edr d9 enisir K: 91A04

MktSsd nE e: yMt

MqDuih9 nE e: 6/26/201 998:11:AApt

p nE Tle9: Ste: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
, n8_53Ov		910450	u8/L	91043	9053_	914R20
, i2A16CM		93045	u8/L	919160	9022_	9A4gA
Pb220ACM		91014	u8/L	906421	906611	94532
pb206_CM		910 0	u8/L	92105	92024	9240_
pe1560CM		91014	u8/L	905104	90531	91 42
pi2316Ov		95A64	u8/L	91Ag 3	901 A6	9423gA
pK1_55CM		9 5_2	u8/L	91916_	902A 3	91432
pN213Ov		9406	u8/L	9191A	901531	921R60
ciAA_5CM		9 550	u8/L	904_5	9013_1	916R50
cl150_CM		9 0A	u8/L	90A 6	90A6_A	9_0_0
VC252_CM		90201	u8/L	91A35	902406	9R 4
ZK2062CM		9003	u8/L	905_	901A46	91R0_
YCA600Ov		91AR4	7 6/p	91660_2	912435	91AR4
YC22_ACM		91R2604	7 6/p	911g A1	90134	91R2604
YCA600CM		9253R_0	7 6/p	9_0523	9024A65	9253R_0

SH4254-024

t edr d9 nE e: - 60102011

t edr d9 enisir K: 91A04

MktSsd nE e: yMt

MqDuih9 nE e: 6/26/201 998:16:06Pt

p nE Tle9: Ste: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
MBA2_0CM		90110A	u8/L	90A3 0	9A2191	919_23
MA561Ov		91545	u8/L	91626	9_2916	9 033
Ms1_51CM		9 2A_	u8/L	90A04A	94230	9120
Mu2_24CM		903200	u8/L	90 222	9_191_	923A_
BC20_5CM		9 30A	u8/L	90150_	9 2A4	905_4
Bm33_Ov		9A_16	u8/L	901_45	9 523	91640
BeA1A0Ov		90A520	u8/L	900_432	922A	904A
7mA13_Ov		91AR10	u8/L	92A 2	9100	90R23
7d2263CM		903 4	u8/L	901621	92546	913_6
7r22_6CM		90114	u8/L	901A05	91191	913_4
7M644CM		904AA2	u8/L	90225_	9A1A3	9_644
7uA24ACM		905 A	u8/L	902135	9AA30	9491
Fe2355Ov		9005	u8/L	905	91AgA6	9224
- C466_Ov		9602	u8/L	90323	905_61	9A01g
Li6404Ov		905336	u8/L	9146	91_ 0	9203
t 82023CM		92R1A	u8/L	90A_2	90 0	92523
t K2346Ov		92201	u8/L	90_312	90A_6_	9A33
t r2020CM		92462	u8/L	90A05	922_	9 4A0
, n8_53Ov		9AR 5	u8/L	92491	904030	90R_A
, i2A16CM		905 5A_	u8/L	901AA3	9240A	9010A6
Pb220ACM		902_1	u8/L	90211A	9_320	91g 5
pb206_CM		90 0	u8/L	91g 6A	900_	9021
pe1560CM		901_3	u8/L	905A0	9002A	9064A
pi2316Ov		9 R A	u8/L	9191_	91g 0	9A19
pK1_55CM		902AA0	u8/L	901623	90546	905_55
pN213Ov		946914	u8/L	919133	91316	92R06
ciAA_5CM		91g 12	u8/L	9021A6	91391A	9 3_
cl150_CM		90_55	u8/L	90_ 1	903A0	91g 43
VC252_CM		90234_	u8/L	90A3A5	91AgA	9 4
ZK2062CM		9 41	u8/L	901A12	90265	91026
YCA600Ov		912R_3	7 6/p	902_ 1	90023_50	912R_3
YC22_ACM		91R230gA	7 6/p	9 4003	906_A2	91R230gA
YCA600CM		925R40	7 6/p	91R24gA	90A 3	925R40

SH4254-026

t edr d9 nE e: - 60102011

t edr d9 enisir K: 91A04

SH4254-026

t edr d9 nE e: - 60102011

t edr d9 enisir K: 91R04

MkntSsd nE e: yMt

MqDui nE e: 6/26/201 988:20: Pt

pnE Tle9:StE: UKkKrwK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		80g 03_	u8/L	90g11_3	92g20	84g100
MA561Ov		924g1_	u8/L	9Ag146	911g_	94g60
Ms1_51CM		9Ag_3	u8/L	90g_4_	91_04	91g34
Mu2_24CM		80g3A5	u8/L	90g_1	913g_	92gAA_
BC20_5CM		910g 5	u8/L	90g_A	91g243	910g1
Bm 33_Ov		91g3_	u8/L	90g230_	9Ag131	9A22g
BeA1A0Ov		80g0335_	u8/L	90g1_50	92g62	84g0
7mA13_Ov	W	9A5R00	u8/L	9161g	90g 11A	91_R00
7d2263CM		90gA0_	u8/L	90gAA6	9110g	81g0A
7r22_6CM		90g21_6	u8/L	90g0165_	91g6_	92g12
7M644CM		90g26A3	u8/L	90g1_31	930g_	94g63
7uA24ACM		92g6_	u8/L	90g122A	93g14	915gA
Fe2355Ov		82g03	u8/L	91g14	9132g	9Ag14_
- C466_Ov		92gA2	u8/L	914g A	90g5_3	91R_6
Li6404Ov		93g3A	u8/L	90gAA02	93g_6	95g_
t 82023CM		91g35	u8/L	910gA0	90g 40_	91R5A
t K2346Ov		91g4	u8/L	91g3_	95g05	92g4A
t r 2020CM		91g15	u8/L	90g16_4	916g14	92g164
, n8_53Ov		910R00	u8/L	913g0	90g1_4	916R50
, i2A16CM		81g13_	u8/L	90g33A	91g_1	81g15
Pb220ACM		90g_10	u8/L	90g260	91gA5	80g614
pb206_CM		90gA2_	u8/L	90g52A	91g_gA	90g_51
pe1560CM		90gA32_	u8/L	90g2_4	91AgA	90g_021
pi2316Ov		93g16	u8/L	91Ag16	90g_64	9126gA
pK1_55CM		80g1140	u8/L	90g2_	9131g	90g254
pN213Ov		92g_g	u8/L	91g 41	91g_0	91R53
ciAA_5CM		90g1603	u8/L	90g63_A	911g02	816g3
cl150_CM		80g16_A	u8/L	90g_033	914_g	81gA2
VC252_CM		90g26_5	u8/L	90g13_3	934g	91g51
ZK2062CM		91g_	u8/L	90g02A	93g32	93g60
YCA600Ov		912R03	7 g/p	9162g1	91g2404	912R03
YC22_ACM		91R2A4g1	7 g/p	9A0g A	90g 2434	91R2A4g1
YCA600CM		9254R_0	7 g/p	913_g 4	90g3_45	9254R_0

SH4254-027

t edr d9 nE e: - 60102011

t edr d9 enisir K: 91R04

MkntSsd nE e: yMt

MqDui nE e: 6/26/201 988:23:2APt

pnE Tle9:StE: UKkKrwK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		80g0A0	u8/L	90gA054	9132g	83g123
MA561Ov		923g5	u8/L	915g02	91g_06	91g00
Ms1_51CM		90g_46	u8/L	90g_13	914g_0	90g_4
Mu2_24CM		80g562	u8/L	90g_A	9112g	91g_30
BC20_5CM		93g0A	u8/L	90gA151	93gA55	93gA1
Bm 33_Ov		910g25	u8/L	90gAA33	91g235	910g
BeA1A0Ov		80g12_1	u8/L	90g1146	914g	84g01
7mA13_Ov	W	9A1R00	u8/L	9A0g	91g063	91_R40
7d2263CM		80g0A33	u8/L	90gA0_A	9136gA	81g_1
7r22_6CM		90g4_14	u8/L	90g5460	91A1g	92g56
7M644CM		80g604	u8/L	90g1A_A	9221g1	93g46
7uA24ACM		91g_1	u8/L	90g0_11	90gA45	91AgA6
Fe2355Ov		9A40g1	u8/L	91g_42	91g0_	91_1g
- C466_Ov		92gA06	u8/L	91gA5	90g1154	91R32
Li6404Ov		92g140	u8/L	90gA041	9A2g_	9A2g22
t 82023CM		91g64	u8/L	91g	90g524	91R5_
t K2346Ov		9125g_	u8/L	93g_4	90g A03	9216g
t r 2020CM		90g434	u8/L	90gA03_	93gA11	91g22

SH4254-027

t edr d9 nE e: - 60102011

t edr d9 enisir K: 91R04

MktSsd nE e: yMt

MqDui nE e: 6/26/201 955:23:2APt

p nE Tle9: Ste: UKkKrwK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
, n8_53Ov		98R4	u8/L	98 5	985154	98R16
, i2A16CM		98A03	u8/L	98516A	9125	980_A
Pb220ACM		98044	u8/L	98A_4	96g 2	912A
Pb206_CM		9125	u8/L	91252	9404	91321
pe1560CM		98A233	u8/L	98A55	9_9	9812
pi2316Ov		98R1_	u8/L	916g 3	98A244	9A_2g
pK1_55CM		985_02	u8/L	91g 5A	91R2	98061
pN213Ov		912_g	u8/L	91g164	980_4	9R_26
ciAA_5CM		983_61	u8/L	983_56	91006	980_
cl150_CM		983260	u8/L	98133_	956gA	91235
VC252_CM		98_5	u8/L	98036_1	9A030	9801
ZK2062CM		98A_	u8/L	984654	91205	91A25
YCA600Ov		912R6A	7 9/p	9132gA4	91g_3	912R6A
YC22_ACM		91R261g	7 9/p	914g_	98A5_1	91R261g
YCA600CM		955R460	7 9/p	98R335	983260	955R460

SH4254-028

t edr d9 nE e: - 60102011

t edr d9 enisir K: 91R04

MktSsd nE e: yMt

MqDui nE e: 6/26/201 955:A0:02Pt

p nE Tle9: Ste: UKkKrwK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
MA2_0CM		9812A2	u8/L	986321	9825A	9A45_
MA561Ov		91A36	u8/L	98_	94g14	91224
Ms1_51CM		9134g	u8/L	91g_1	98_432	9A_g_2
Mu2_24CM		913_5	u8/L	981551	9125A	98A00
BC20_5CM		9113g	u8/L	98A_5	9842A	98_
Bm33_Ov		98g_4	u8/L	98_132	98A22	98R_3_
BeA1A0Ov		98A_1	u8/L	98_363	91535	980_
7m13_Ov	W	91R20	u8/L	98_6g	98066	91_R_A0
7d2263CM		98_15	u8/L	9801456	98152	9A_g_1
7r22_6CM		98A43	u8/L	98_45	98A41	91052
7M644CM		981156	u8/L	98_32	91215	91105
7uA24ACM		91g144	u8/L	98A_1	94g_4	9A_g_5
Fe2355Ov		91R_0	u8/L	91A5	91514	98R54
-C466_Ov		98R_3	u8/L	9_5A	91A31	9R46
Li6404Ov		91A3A	u8/L	9830_2	98A26	98_g_
t_82023CM		9R51	u8/L	98005	98666	91R_3
t_K2346Ov	W	91R_A	u8/L	91020	98_1_	91R_02
t_r2020CM		98565	u8/L	98A_1A	9A_g_2	9811A
, n8_53Ov		98R20	u8/L	98052	986A3	9A5R20
, i2A16CM		98A00	u8/L	98_1A6	9145_	9801
Pb220ACM		91g_14	u8/L	981A_4	9806	98A_11
Pb206_CM		9860_	u8/L	98A66	91115	9851A
pe1560CM		982251	u8/L	91g13	9A_g_	98A_4
pi2316Ov		911R50	u8/L	98_26	98_0A	9_4g
pK1_55CM		98165A	u8/L	98A61_	91A5	98222
pN213Ov		9832g	u8/L	9832	98_114	98R2A
ciAA_5CM		98_A65	u8/L	982134	98A4g	9150
cl150_CM		91234	u8/L	91A43	91A00	91gAA
VC252_CM		98A_00	u8/L	9811A1	98A4	9820A
ZK2062CM		98A03	u8/L	9825_1	98_5_	9823
YCA600Ov		912R_A1	7 9/p	91g101	9816_3	912R_A1
YC22_ACM		91R6_g	7 9/p	91g_34	98A0304	91R6_g
YCA600CM		953R230	7 9/p	91RAA5	9831_0	953R230

SH4254-029

t edr d9 nE e: - 60102011

t edr d9 enisir K: 91R04

SH4254-029

t edr d9 nE e: - 60102011

t edr d9v enisir K: 91R04

MkntSsd9 nE e: yMt

MqDuih9 ne: 6/26/201 988:A : 0Pt

pnE Tle9:StE: UKkKrwK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		20535	u8/L	10A	425	106
MA561Ov		226	u8/L	1A3	41	202
Ms1_51CM		336	u8/L	45A3	103A	1645
Mu2_24CM		122	u8/L	10A4	3A	9330
BC20_5CM		14Ag	u8/L	1055	14_4	100
Bm 33 Ov		104	u8/L	1043	102	146
BeA1A0Ov		10A5_1	u8/L	10234A	62	21
7mA13_Ov	W	130	u8/L	4A	13A	14R60
7d2263CM		25	u8/L	104_04	1_g	13
7r22_6CM		14	u8/L	10A3	141	1264
7M644CM		10A12	u8/L	101204	1_32	1115
7uA24ACM		10A1A6	u8/L	105660	1A	10
Fe2355Ov		1R_6	u8/L	1_25	1_3	1A2
- C466 Ov		1R_4	u8/L	1341	15	122
Li6404Ov		11A	u8/L	16_3	1_10	10_1
t 82023CM		1R_1	u8/L	1_1	13_2	1R_4
t K2346Ov	W	1R1A	u8/L	10	15A	1R6_
t r 2020CM		13_41	u8/L	10061	10_6	122A
, n8_53Ov	W	10R30	u8/L	13_g	10_45	15R20
, i2A16CM		113	u8/L	10A212	1415	111
Pb220ACM		10414	u8/L	102A56	16_	10550
pb206_CM		104_5	u8/L	10361	10A	103A33
pe1560CM		10115A	u8/L	100_6	1010	10A61
pi2316Ov		1R42	u8/L	100A	111	142g
pK1_55CM		104_2	u8/L	1013_	10A21	10A11
pN213Ov		1201	u8/L	1016	10124	1R44
ciAA_5CM		102032	u8/L	10_6_6	12_g	12g_0
cl150_CM		1010_	u8/L	10_1_0	15_1	115
VC252_CM		1015	u8/L	1065_2	10A4	135
ZK2062CM		10_2	u8/L	104264	10A1A	112
YCA600Ov		102R25	7 8/p	10_1	10_6_A	102R25
YC22_ACM		1R_31	7 8/p	10_3	10A_0A	1R_31
YCA600CM		105R_40	7 8/p	105266	1026_1	105R_40

SH4374-004

t edr d9 nE e: - 60102011

t edr d9v enisir K: 91R04

MkntSsd9 nE e: yMt

MqDuih9 ne: 6/26/201 988:A5:1_Pt

pnE Tle9:StE: UKkKrwK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		10_21	u8/L	102450	14A	1106
MA561Ov		10A4	u8/L	1001	110_	103A
Ms1_51CM		10_1	u8/L	10_2_	102_	1061
Mu2_24CM		102_6	u8/L	10566	101	101A
BC20_5CM		10_106	u8/L	101_31	10A_31	110A
Bm 33 Ov		1063	u8/L	101A33	10_01	106A
BeA1A0Ov		10204A	u8/L	105_26	10_4_10	1012
7mA13_Ov	W	10R160	u8/L	10_42	10A11	10R60
7d2263CM		101A_A	u8/L	1006014	10_1	10A66
7r22_6CM		10A465	u8/L	105012	10A1	1023
7M644CM		1005305	u8/L	101_13	10R_	101A
7uA24ACM		10_115	u8/L	10_52	10_g_	10_A1
Fe2355Ov		101025	u8/L	10A1A	10246	10_5
- C466 Ov		10R_A_	u8/L	1030	1064	10R00
Li6404Ov		101g_	u8/L	105A	106g_5	10234
t 82023CM		10R35	u8/L	10234	1014_1	10501
t K2346Ov		10_g_2	u8/L	10A3_0	102_	10A_
t r 2020CM		102_5	u8/L	101A_1	106AA	10103

SH4374-004

t edhr d9 nE e: - 60102011

t edhr d9/enisir K: 91FA04

MknSsd nE e: yMt

MqDuih9 ne: 6/26/201 998:A5:1_Pt

p nE Tle9: Ste: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
, n8_53Ov		920R20	u8/L	9AAA5	91631	9AA60
, i2A16CM		924A6	u8/L	91226	9 g_0	92A0
Pb220ACM		926A	u8/L	91A35	921	91A1
pb206_CM		91442	u8/L	9121 1	9161	9132
pe1560CM		924	u8/L	91A552	91 12	91A661
pi2316Ov		9136	u8/L	91610	91A10	910_g
pK1_55CM		9162_	u8/L	9114	91021	911A
pN213Ov		91 01	u8/L	9121	913_4	91A32
ciAA_5CM		91450	u8/L	9115_A	9110g	9125
cl150_CM		9101	u8/L	9121_	910_	91A0
VC252_CM		9166	u8/L	9116_A	9162	91A4
ZK2062CM		9113	u8/L	91AA0	91A2_	91g 2
YCA600Ov		91A42	7 6/p	91A44_	91AA 50	91A42
YC22_ACM		912_51	7 6/p	91 02	916_A2A	912_51
YCA600CM		912R40	7 6/p	91A44A	91A2A	912R40

CCV

t edhr d9 nE e: - 60102011

t edhr d9/enisir K: 91FA04

MknSsd nE e: yMt

MqDuih9 ne: 6/26/201 998: A:34Pt

p nE Tle9: Ste: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
MA2_0CM		91464	u8/L	910	91 11	91R4
MA561Ov		912R1A0	u8/L	91A31	911	91R1A
Ms1_51CM		9_15	u8/L	9162	915_	910_1
Mu2_24CM		9_41	u8/L	9101	9162	91R_1
BC20_5CM		9161	u8/L	91A20	91336	91A1
Bm33_Ov		9101	u8/L	9115	91626	91_R50
BeA1A0Ov		9144	u8/L	91A2	91A0	91_R50
7mA13_Ov		911R40	u8/L	91_21	912A	91R5_
7d2263CM		9161	u8/L	91_A	91A51	91R36
7r22_6CM		9101	u8/L	9112A	912 61	91R_A
7N644CM		9_41	u8/L	9133	91AA54	91R0
7uA24ACM		91531	u8/L	9116A	91A5_	91R62
Fe2355Ov	W	911R1A0	u8/L	91A51	910	91R34
- C466_Ov		911R30	u8/L	91221	911A	91R5A
Li6404Ov		91501	u8/L	91A0	91AA	91R53
t 82023CM		912R20	u8/L	9123	9123 6	91R01
t K2346Ov	W	91601	u8/L	91A25	9110	91A_1
t r2020CM		91561	u8/L	9164	91606	91261
, n8_53Ov		912R50	u8/L	9115	915_5	91R 0
, i2A16CM		91551	u8/L	910_0	9116	91_1
Pb220ACM		9101	u8/L	91350	91116	91A61
pb206_CM		91_11	u8/L	91 1	91A4A	912_1
pe1560CM		91 1	u8/L	9155	91A_	91A4
pi2316Ov	W	911R20	u8/L	91531	91A05	91_11
pK1_55CM		91531	u8/L	910_510	9101A54	91A1
pN213Ov		91531	u8/L	9125	9153	91R00
ciAA_5CM		91_41	u8/L	9136	91 21	91R40
cl150_CM		91041	u8/L	91A235	91 25	91601
VC252_CM		91_61	u8/L	91A1	91151	91R41
ZK2062CM		91_51	u8/L	91_A3	91A22	91_01
YCA600Ov		91A0 0	7 6/p	9101A24	91A12A2	91A0 0
YC22_ACM		91R2 1	7 6/p	916A3	911153	91R2 1
YCA600CM		9156R60	7 6/p	912216	91 11A5	9156R60

CCB

t edhr d9 nE e: - 60102011

t edhr d9/enisir K: 91FA04

CCB

t edhr d9 nE e: - 60102011

t edhr d9v enisir K: 91FA04

MkntSsd9 nE e: yMt

MqDuih9 nE e: 6/26/201 998: :24Pt

p nE Tle9: Ste: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		2054	u8/L	005463	910_g	2121A
MA561Ov		9_40	u8/L	9404	9402	21g 51
Ms1_51CM		2446	u8/L	006_56	2g _3	20_3
Mu2_24CM		25 A6	u8/L	09A_10	9 09A4	2100
BC20_5CM		09 13	u8/L	09A3_	23A6	25 5
Bm 33 Ov		201A26	u8/L	00 14	9A1g _	2A66
BeA1A0Ov		004_53	u8/L	002343	9A262	2051
7mA13_Ov		26 2	u8/L	00A5	91A_g	21215
7d2263CM		002050	u8/L	000504A	9 Ag 2	2021
7r22_6CM		00A225	u8/L	091024	9A1_g	2145
7M2644CM		0063 3	u8/L	00202	9AA6g	9_4A2
7uA24ACM		002A30	u8/L	00_61	91214	2_g A
Fe2355Ov		9126	u8/L	0020_	914 4	25A 5
- C466 Ov		212g 0	u8/L	94 30	9A106	2A6_
Li6404Ov		205 51	u8/L	9103	916g	21640
t 82023CM		91436	u8/L	00_5	2_56	2A04
t K2346Ov		9120A	u8/L	00_3_	9 _65	91A1A
t r 2020CM		94 A	u8/L	002A	91666	2A_
, n8_53Ov		9 001	u8/L	946_	914A6	9AAg 5
, i2A16CM		001610	u8/L	00A243	20Ag	04 33
Pb220ACM		91635	u8/L	0024	9 65	20 0AA
pb206_CM	F	9_4A5	u8/L	91g 42	916_	26A_
pe1560CM		9 40	u8/L	00122	2120	91A60
pi2316Ov		219AA	u8/L	913AA	91g_	9A123
pK1_55CM		200A022	u8/L	002462	5F 2	0044A
pN213Ov		00A_1	u8/L	00_6 0	9A6_	2A63
ciAA_5CM		91014	u8/L	091A01	91245	91g_6
cl150_CM		201205	u8/L	00A2_	9 06	212A2
VC252_CM		001 1	u8/L	002611	9_ 6	0g 62
ZK2062CM		000 15A	u8/L	006042	91R _	0g 43
YCA600Ov		912606	7 6/p	9_36 6	0063546	912606
YC22_ACM		91A246	7 6/p	2 61A	09AA350	91A246
YCA600CM		9A03A_0	7 6/p	5_264	09A2163	9A03A_0

SH4374-004L

t edhr d9 nE e: - 60102011

t edhr d9v enisir K: 91FA04

MkntSsd9 nE e: yMt

MqDuih9 nE e: 6/26/201 998:3A:03Pt

p nE Tle9: Ste: UKKkr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		20524	u8/L	003655	9_224	2200
MA561Ov		91g A0	u8/L	9_12	91645	21g 34
Ms1_51CM		2A26	u8/L	00 5A1	002120	91A10
Mu2_24CM		2A11	u8/L	00_ A	22_6	91443
BC20_5CM		9 60A	u8/L	9100A	9Ag _A	5_1
Bm 33 Ov		91_01	u8/L	913A	6A6_	9 2_
BeA1A0Ov		20100	u8/L	00A 1	2AA6	a_g_24
7mA13_Ov		9A1210	u8/L	511g	914	9A32_
7d2263CM		00AA32	u8/L	00265	9_0A4	2102
7r22_6CM		091035	u8/L	091A65	91256	21A6
7M2644CM		09131A	u8/L	91244	9_ A6	9_1 A
7uA24ACM		91A65	u8/L	00_346	66A	91016
Fe2355Ov		9 Ag 6	u8/L	0004	91136	9466
- C466 Ov		21466	u8/L	6461	2g 1	9A0 6
Li6404Ov		6254	u8/L	26A5	9A4_	2A65
t 82023CM		91A30	u8/L	2661	09A421	91550
t K2346Ov		9A 65	u8/L	91_3A	6253	9105
t r 2020CM		66_3	u8/L	09A06_	9 622	2653

SH4374-004L

t edhr d9 nE e: - 60102011

t edhr d9 enisir K: 91FA04

MkntSsd nE e: yMt

MqDuih9 nE e: 6/26/201 955:3A:03Pt

p nE Tle9:StE: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
, n8_53Ov		920R30	u8/L	9162g	90g_30	96R5A
, i2A16CM		9AgAA4	u8/L	90gAA06	95g04	91g_2A
Pb220ACM		98g_5	u8/L	91g_41	9A_g_2	90g_503
pb206_CM		9_g_03	u8/L	91g_42	91_g_06	90g_31_
pe1560CM		9_g_0	u8/L	91_g_1	9A45g	90g_554
pi2316Ov		96R5	u8/L	9A03g	9_g_25	9102g
pK1_55CM		90g_5_5	u8/L	91g	9823g	90g_52A
pN213Ov		91_2g	u8/L	91g_31	91g_34	91R_5
ciAA_5CM		90g_313	u8/L	90g_3	91RAA4	921g_3
cl150_CM		96g_05	u8/L	9_g_14	95g_6	90g_034
VC252_CM		90g_4454	u8/L	90g_640	92_g_	90g_052
ZK2062CM		9A1g_2	u8/L	90g_AA2	90g_6A3	91Ag_2
YCA600Ov		912R53	7 c/p	9162g_4	91g_4	912R53
YC22_ACM		91RA26g	7 c/p	9Agl_53	90g_3A10	91RA26g
YCA600CM		9A02R60	7 c/p	9_g_3	90g_0_3	9A02R60

SH4374-004S

t edhr d9 nE e: - 60102011

t edhr d9 enisir K: 91FA04

MkntSsd nE e: yMt

MqDuih9 nE e: 6/26/201 955:34: Pt

p nE Tle9:StE: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
MBA2_0CM		9_4g	u8/L	90g_1_	91g_06	9_5g
MA561Ov		91R34A	u8/L	92g_1	91g_16	9544g
Ms1_51CM		9120g	u8/L	91g_3	91g_2_	924g
Mu2_24CM		91g_20	u8/L	90g_100	9_g_A6	91g_10
BC20_5CM		986g	u8/L	91g_65	90g_5_4	9_61g
Bm33_Ov	W	91R345	u8/L	9Ag_0	91g_0A	9_R_0
BeA1A0Ov		9_g_A	u8/L	90g_266	91g_00	91R_21
7mA13_Ov	W	9A_R310	u8/L	9A5Ag	91g_21	91_R_30
7d2263CM		923_g	u8/L	90g_5_1	90g_401	9R_4
7r22_6CM		980_g	u8/L	91g	90g_36	91R_51
7M644CM		915_g	u8/L	91g_5	90g_410	92R_6_
7uA24ACM		9_5gA	u8/L	91g_50	90g_5_0	9AFA2
Fe2355Ov		905g	u8/L	920g_4	92g_1_	9A_g
- C466_Ov		912R40	u8/L	91A0g	91g_44	91R3AA
Li6404Ov		9_51g	u8/L	96g_3_	91g_A	9_R30A
t_82023CM		912R20	u8/L	912g_3	90g_1024	91R_4
t_K2346Ov		9_2g	u8/L	9_g_56	90g_54	9_1_g
t_r2020CM		923_g	u8/L	913g_5	90g_2	9A42g
, n8_53Ov	W	926R30	u8/L	9A3g	90g_05	9_R00
, i2A16CM		9812g	u8/L	90g_56	90g_3	9_A5g
Pb220ACM		910_g	u8/L	90g_1A	90g_513	9_1g_2
pb206_CM		9106g	u8/L	90g_6A2	90g_06	924g_6
pe1560CM		956g_2	u8/L	92g_66	92g_42	91Ag_5
pi2316Ov		910R_0	u8/L	9116g	91g_64	9_g
pK1_55CM		9_43g	u8/L	96g_22	91g_32	9166g
pN213Ov		96A_g	u8/L	96g_45	90g_53A	9_R_0
ciAA_5CM		9_46g	u8/L	90g_AA2	90g_430	913R_20
cl150_CM		954g_A	u8/L	91g_4	91g_11	925g_A
VC252_CM		9_4g	u8/L	9_g_20	90g_A	91R_60
ZK2062CM		982_g	u8/L	90g_50A	90g_4	91R_3_
YCA600Ov		91AR_3	7 c/p	96g_1A3	90g_A06A	91AR_3
YC22_ACM		91R_14g	7 c/p	914g_3	90g_520	91R_14g
YCA600CM		9254R_0	7 c/p	906g_A	90g_0_05	9254R_0

SH4374-004P

t edhr d9 nE e: - 60102011

t edhr d9 enisir K: 91FA04

SH4374-004P

t edr d9 nE e: - 60102011

t edr d9v enisir K: 91R04

MkntSsd nE e: yMt

MqDuih9 ne: 6/26/201 95:02:16Pt

p nE Tle9 Ste: UKkKrwK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		9 4g	u8/L	9g 64_	9g_61	9_ 9
MA561Ov		91R A_	u8/L	910g_2	9g3_ A	9319
Ms1_51CM		9122g	u8/L	9g_31	9g_ A3	924g_2
Mu2_24CM		9g 30	u8/L	9g33_	912_ 9	9 g 5_
BC20_5CM		960g	u8/L	9gA256	9g03_3	9 36g
Bm 33_ Ov	W	91R A	u8/L	920g 6	9193A	912R A0
BeA1A0Ov		9_ gA	u8/L	9g635	9g31A	91R54
7 mA13_ Ov	W	9A_ R30	u8/L	9A36g	9gA13	91_ R60
7d2263CM		92_ 9	u8/L	9gA200	9g1236	9R_ 0
7r22_6CM		9 56g	u8/L	9g2_ 1	9g320A	91R61
7M644CM		9152g	u8/L	9g4_ 6	9g 0_ 5	9R A_
7uA24ACM		9_ 4g	u8/L	9g_604	9gA_ 0	9A50A
Fe2355Ov		9_55g	u8/L	920g6	9g25	9A_ g
- C466_ Ov		912R60	u8/L	96gA	9g 421	91R3
Li6404Ov		9_ Ag	u8/L	9g 0A	91g23	9 R44
t 82023CM		911R_ 0	u8/L	9_ g6	9g 10A	91R34
t K2346Ov		9 45g	u8/L	9g50	9g61	9 02g
t r 2020CM		964g	u8/L	910gA	9g_2A	9A50g
, n8_53Ov	W	96R50	u8/L	9A01g	91g_ 6	9 2R_30
, i2A16CM		90_ 9	u8/L	9g1565	9gA502	9_2_ 9
Pb220ACM		9102g	u8/L	9g35A2	9g3440	9A5g_2
pb206_ CM		910Ag	u8/L	9g243A	9g266A	926gA
pe1560CM		953g6	u8/L	9g_36	9_ 91_	91Ag_1
pi2316Ov		910R10	u8/L	9102g	9gA53	9_ A_ 9
pK1_55CM		9 44g	u8/L	9g6_	91g5A	9166g
pN213Ov		962_ 9	u8/L	9gA2	9g351	9A520
ciAA_5CM		9 44g	u8/L	9g_3	91g56	913R40
cl150_ CM		956g	u8/L	91g56	91gA_	95g_
VC252_ CM		9_4_ 9	u8/L	9g15	9g31A	9R_20
ZK2062CM		921g	u8/L	9g2653	9g314A	91R_ 1
YCA600Ov		912R14	7 9/p	9_4g31	9gA63_0	912R14
YC22_ ACM		91R201g	7 9/p	9g162	9g3_ A4_	91R201g
YCA600CM		954R40	7 9/p	91R_4g	9gA6335	954R40

SH4416-001

t edr d9 nE e: - 60102011

t edr d9v enisir K: 91R04

MkntSsd nE e: yMt

MqDuih9 ne: 6/26/201 95:06:5Pt

p nE Tle9 Ste: UKkKrwK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		9g3_1	u8/L	9g500	923g	913g_3
MA561Ov		91_ g5	u8/L	912g2	93g3	910gA
Ms1_51CM		91g53	u8/L	9gA03A	91g_5	9g0_
Mu2_24CM		9g454	u8/L	9g06455	9g5A5	91g_
BC20_5CM		9g13	u8/L	9g 344	9_ g31	911_ g
Bm 33_ Ov		91g54	u8/L	9g_ A	9A4g6	9_ g6
BeA1A0Ov		9g66A_	u8/L	9g4_ 1	91_ g1	910g5
7 mA13_ Ov		91R5A	u8/L	913g5	91g56	91R42
7d2263CM		9g 55	u8/L	9g1A3A	9A0g6	9gA324
7r22_6CM		9g440	u8/L	9g_ A50	913g_3	9g_
7M644CM		91g4	u8/L	9g2_5	915g6	924g_
7uA24ACM		9A4g2	u8/L	9g_56A	9g_ 01	9_ 2g
Fe2355Ov		91R64	u8/L	91gA	91g_	934g
- C466_ Ov		9_5gA	u8/L	9_ g30	91g3_	9_3_ g
Li6404Ov		91g13	u8/L	9gA3A1	9_6g2	924g
t 82023CM		9_5g	u8/L	91g6_	9g1563	912_ g
t K2346Ov		925g0	u8/L	9g_4A1	91g5_	9_5g3
t r 2020CM	W	9AR_2	u8/L	9_4g3	9g60	9R14

SH4416-001

t edhr d9 nEe: - 60102011

t edhr d9v enisir K: 91FA04

MknSsd9 nEe: yMt

MqDuih9 nEe: 6/26/201 95:06: 5Pt

p nE Tle9: Ste: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
, n8_53Ov	W	9 5R_0	u8/L	93A2	91g123	9 1R60
, i2A16CM		a1g 6	u8/L	90gAA 4	92g 6	9g 05
Pb220ACM		91g46	u8/L	90gA262	915g 6	a 9_5
pb206_CM		91g06	u8/L	91g 56	91_g 4	a0g 6_0
pe1560CM		91g01	u8/L	90g4626	9 4gA	90g642
pi2316Ov		9134g	u8/L	92g10	9g 44	9Ag13
pK1_55CM		9g232	u8/L	91g4A	92g16	9g 14
pN213Ov		925g A	u8/L	90g152A	90g3A	91R5
ciAA_5CM		9g 3	u8/L	90g2331	91g 61	91 6g
cl150_CM		91g4A	u8/L	90gA23_	923g0	a0g 2_3
VC252_CM		9g1A2	u8/L	90gA13	916g0	a 36g
ZK2062CM		91_g 1	u8/L	90g 5_6	90g240_	9A6gA
YCA600Ov		91AR1A1	7 6/p	910Ag 3	90g450_4	91AR1A1
YC22_ACM		91R Ag	7 6/p	922g04	90gA1304	91R Ag
YCA600CM		925_R_0	7 6/p	92R20g	90g440	925_R_0

SH4449-001

t edhr d9 nEe: - 60102011

t edhr d9v enisir K: 91FA04

MknSsd9 nEe: yMt

MqDuih9 nEe: 6/26/201 95:11:2_Pt

p nE Tle9: Ste: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
MA2_0CM		a0g1554	u8/L	90g 056	9203g	a12Ag
MA561Ov		916g4	u8/L	90g25_2	91gA	9Ag 33
Ms1_51CM		9A1g 3	u8/L	90g251	91g61	9g00
Mu2_24CM		aAg134	u8/L	91gA06	9 1gA4	91_g 6
BC20_5CM		9 5g2	u8/L	90g A1	90g240A	9A3g A
Bm 33_Ov		910g 3	u8/L	90g16_1	91g30	9 2g
BeA1A0Ov		a0gA652	u8/L	90gA1_A	916g2	a0g0
7 mA13_Ov	W	9A3R230	u8/L	9A51g	91g110	916R_0
7 d2263CM		a0g1A5_	u8/L	90g0303	9Ag16	913g6
7 r22_6CM		9gA35	u8/L	90g412	91gA25	915g 4
7 R2644CM		9110g	u8/L	91g133	91g	91R_2
7 uA24ACM		91g_A1	u8/L	90g124	9g36	9_AgAA
Fe2355Ov		920R50	u8/L	9264gA	91gA11	91R1
- C466_Ov		92R5_	u8/L	9 0g1	91g14	91R_
Li6404Ov		9Ag_2	u8/L	90g2101	9g 0A	9 g
t 82023CM		9R_6	u8/L	90g163	90g22_2	91R14
t K2346Ov	W	9 R_5	u8/L	9A5g	90g 100	9 R44
t r 2020CM		90gAA	u8/L	9 g 5	913g5	9 g16
, n8_53Ov		91AR20	u8/L	916 g	91g222	922RA0
, i2A16CM		9g51	u8/L	90g166_	9gA0	9g 20
Pb220ACM		90g101	u8/L	90g1A00	91 g_	a0gA6
pb206_CM		91gA	u8/L	90g1 3_	91g_	91g5
pe1560CM		9Ag14A	u8/L	9Ag5_	94g	91gA2
pi2316Ov		9RA 0	u8/L	925g10	90gA116	9A2_g
pK1_55CM		91g_3	u8/L	90g 155	9 g_	91g_A
pN213Ov		91_5g	u8/L	9Ag2	91g55	91RA06
ciAA_5CM		90g1 2	u8/L	90g1A54	924g14	aAg_
cl150_CM		90g_23	u8/L	91g35	9155g	aAg160
VC252_CM		91g1_2	u8/L	90g6440	9g01	a32gA4
ZK2062CM		9g2_	u8/L	90g116_	9 g 6	9g 60
YCA600Ov		91AR_0	7 6/p	911gAA	90g_32A0	91AR_0
YC22_ACM		91R206gA	7 6/p	913g61	90g14AA	91R206gA
YCA600CM		9256RA0	7 6/p	91RAA1g	91g122_	9256RA0

SH4348-004

t edhr d9 nEe: - 60102011

t edhr d9v enisir K: 91FA04

SH4348-004

t edr d9 nE e: - 60102011

t edr d9v enisir K: 91R04

MkntSsd nE e: yMt

MqDuih9 ne: 6/26/201 95:16:03Pt

pnE Tle9:StE: UKkKrwK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
MBA2_0CM		a0g1016	u8/L	9021_3	2130	a1g1A
MA561Ov		945g_0	u8/L	2g_4	9Ag 5A	9AA35
Ms1_51CM		9lg 12	u8/L	90361	9A5gA_	9033_6
Mu2_24CM		a02421	u8/L	9040 A	9111g	9A1__
BC20_5CM		9 1g 6	u8/L	90000	9lg 4	9A g2
Bm 33 Ov		9AA3A	u8/L	90242	91342	91R26
BeA1A0Ov		a003600	u8/L	903336	9522	a100
7mA13_Ov	W	961R30	u8/L	9060	90g 15	2_R10
7d2263CM		900152A	u8/L	9003012	2604	a1g_3
7r22_6CM		a0g1_21	u8/L	901060	9_22	9lg 14
7M644CM		910g__	u8/L	9022A3	902033	91345
7uA24ACM		9A011	u8/L	90A315	91155	9101gA
Fe2355Ov		964g_3	u8/L	9A163	9 06	25g 6
- C466 Ov		96R15	u8/L	9A0	90g16	9 R46
Li6404Ov		2g_30	u8/L	91g 51	96gA3	9A_06
t 82023CM		9AR22	u8/L	91531	90235A	91R04
t K2346Ov		91A5	u8/L	9lg 3	910g A	22g 0
t r 2020CM		22g10	u8/L	2g1_5	950A	9A1g_
, n8_53Ov	W	963R30	u8/L	9 A52	90641	9106R00
, i2A16CM		a0g22	u8/L	90105	913g13	a0g 2A5
Pb220ACM		902455	u8/L	900 2	2135	a1gA5A
pb206_CM		96440	u8/L	91226	91_g10	2021
pe1560CM		2g 60	u8/L	9 g_20	91560	910_
pi2316Ov		9R5_	u8/L	9 4g_3	904544	9 3A4
pK1_55CM		2g A1	u8/L	9021_1	9_541	9lg 60
pN213Ov		24Ag	u8/L	9A01A	91g102	910R230
ciAA_5CM		9lg 04	u8/L	90221	913g	2 g_
cl150_CM		90356A	u8/L	90g_2A	91A_g1	a0331
VC252_CM		90A_11	u8/L	902420	91gA5	2g_36
ZK2062CM		9A026	u8/L	90g1A_	9A1A4	9Ag 1
YCA600Ov		912R62	7 0/p	250_	902A1_3	912R62
YC22_ACM		9R3 5	7 0/p	9640	905350_	9R3 5
YCA600CM		2_5R_0	7 0/p	24423	9053611	2_5R_0

SH4399-001

t edr d9 nE e: - 60102011

t edr d9v enisir K: 91R04

MkntSsd nE e: yMt

MqDuih9 ne: 6/26/201 95:20: APT

pnE Tle9:StE: UKkKrwK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
MBA2_0CM		a0240	u8/L	90A 0	91235	a 343
MA561Ov		23g1	u8/L	91A52	9 g1	9g_4
Ms1_51CM		903_02	u8/L	904045	91220	9044A6
Mu2_24CM		a1312	u8/L	90_406	9043_	a03_43
BC20_5CM		9 g12	u8/L	90A 32	903_45	9 4g16
Bm 33 Ov		9lg 6	u8/L	90g123	9_36A	9A5g4
BeA1A0Ov		a00362A	u8/L	90 A1	9_g_0	a0gA5
7mA13_Ov	W	9A3R20	u8/L	2330	904260	913R10
7d2263CM		90625	u8/L	906213	9_gA	a1g 6A
7r22_6CM		9015_	u8/L	90_12_	91A11	9A_01
7M644CM		90g 255	u8/L	90 2 _	9g_2	91A03
7uA24ACM		9A00	u8/L	9030 5	91 02	9104gA
Fe2355Ov		9031A4	u8/L	90441	91R1_	9 060
- C466 Ov		91R62	u8/L	9A50A	2g 5_	900gA
Li6404Ov		90g1A23	u8/L	90g 513	9A40g	91g_2
t 82023CM		9R42	u8/L	9123	90g15_A	9A305
t K2346Ov		9 436	u8/L	9042A6	91321	9A3g_2
t r 2020CM		91023	u8/L	904250	91g10	91 5

SH4399-001

t edhr d9 nEe: - 60102011

t edhr d9 enisir K: 91FA04

MknSsd9 nEe: yMt

MqDuih9 nEe: 6/26/201 955:20: APt

p nE Tle9: Ste: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
, n8_53Ov	F	200R00	u8/L	913A6	904460	91AFA00
, i2A16CM		903431	u8/L	902060	9A3g_2	913_3
Pb220ACM		903206	u8/L	90624	9_g_5	91g144
pb206_CM		91g146	u8/L	902010	914g10	90334_
pe1560CM		903AA1	u8/L	904_3	91_g	9034A3
pi2316Ov		9R6	u8/L	9A25	91g_66	9A2_2
pK1_55CM		91323	u8/L	9032_2	9A226	91g144
pN213Ov		9A220	u8/L	91430	9043_A	9_RA_
ciAA_5CM		90g1A62	u8/L	90g1_04	91A2g	916g
cl150_CM		91435	u8/L	90A33A	9020	9030_
VC252_CM		90g1106	u8/L	90A041	9446	92551
ZK2062CM		903101	u8/L	904_43_	9032A	90g143
YCA600Ov		912FA5A	7 6/p	9063_A	903_0_5	912FA5A
YC22_ACM		90R_gA	7 6/p	904556	9033152	90R_gA
YCA600CM		92_2R020	7 6/p	9R04gA	91g_515	92_2R020

SH4401-019

t edhr d9 nEe: - 60102011

t edhr d9 enisir K: 91FA04

MknSsd9 nEe: yMt

MqDuih9 nEe: 6/26/201 955:23:2_Pt

p nE Tle9: Ste: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
MA2_0CM		9021_1	u8/L	90A51	91_2g	9A4A_
MA561Ov		9A305	u8/L	90g_55	911g11	911g_6
Ms1_51CM		9045A	u8/L	9030	9A4g	91056
Mu2_24CM		91g124	u8/L	90A05_	94g_5	91043
BC20_5CM		91103	u8/L	9026A3	90A_	91022
Bm33_Ov		90200	u8/L	90g1050	91434	923_3
BeA1A0Ov		9025A4	u8/L	902443	91g_5	914R_0
7mA13_Ov	W	9A_R00	u8/L	90323	91g_A2	914R_0
7d2263CM		90g1_A6	u8/L	90632	923AgA	902
7r22_6CM		904063	u8/L	90g130A	912_	912AA
7M644CM		90g_2	u8/L	902124	91_3A	90336
7uA24ACM		91g_A	u8/L	902011	91A3A	9153_
Fe2355Ov		9A4_43	u8/L	90A23	91A4g	9A20
-C466_Ov		91R50	u8/L	914g15	91g13A	9143g
Li6404Ov		9034	u8/L	904A1	912g_5	90334
t82023CM		91FA0A	u8/L	9134	90235_	91R_4
tK2346Ov		905g	u8/L	90A50	90g_001	9A_g1
tr2020CM		90324	u8/L	90g1101	91g_3_	903_A
, n8_53Ov		91FA52	u8/L	9A42	903513	911R_0
, i2A16CM		904333	u8/L	9025A1	9A_43	903_35
Pb220ACM		902_15	u8/L	904352	9265gA	91g_1A
pb206_CM		9033_5	u8/L	90A126	9A2g	9032A4
pe1560CM		92261	u8/L	904165	9A140	90g_A_6
pi2316Ov		90R65	u8/L	906gA1	91400	9_0g
pK1_55CM		91411	u8/L	91022	90542	91234
pN213Ov		910_3	u8/L	903520	903_A	91R024
ciAA_5CM		9035315	u8/L	902A31	92_4g	91_g0
cl150_CM		91g165	u8/L	904_466	91301	90g_5_2
VC252_CM		902_2	u8/L	903102	912	91gA65
ZK2062CM		9035_4	u8/L	90g1341	913gA	92g_3
YCA600Ov		912R40	7 6/p	9A4042	92335	912R40
YC22_ACM		91R44gA	7 6/p	92g_34	90A_2A_	91R44gA
YCA600CM		925_R130	7 6/p	9R0143	91gA_46	925_R130

SH4401-019L

t edhr d9 nEe: - 60102011

t edhr d9 enisir K: 91FA04

SH4401-019L

t edr d9 nE e: - 60102011

t edr d9v enisir K: 91RA04

MkntSsd9 nE e: yMt

MqDuih9 ne: 6/26/201 955:A0:04Pt

p nE Tle9:StE: UKkKrwK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		2062	u8/L	9g A3	913_g	20__
MA561Ov		2 34	u8/L	913gAA	92gA4	2013A
Ms1_51CM		9gl_2	u8/L	91gl53	91 60	906AA4
Mu2_24CM		2gl_4	u8/L	9g 5	9261	9g_43
BC20_5CM		910gl	u8/L	9095535	909_20	9 0__
Bm 33 Ov		9 31	u8/L	91g 5	9A910	92g 0
BeA1A0Ov		909603	u8/L	909512	9_094	209AA3
7 mA13_Ov		9A_140	u8/L	92612	9094A4	9A96
7d2263CM		9091513	u8/L	90945_1	9 16_	21g_AA
7r22_6CM		909AA2	u8/L	9091536	9A0g_5	9g 44
7M644CM		909165	u8/L	90936_	96 6	9gl_51
7uA24ACM		9 6_0	u8/L	9g_0	90g_6	9295
Fe2355Ov		9A9_3	u8/L	92924	969	9290A
- C466 Ov		91962	u8/L	9g_A	909041	9131gl
Li6404Ov		2913	u8/L	9g_1	9 5g 4	91954
t 82023CM		9_R41	u8/L	9A90	909251	92A6g
t K2346Ov		9112	u8/L	96942	9A906	9A09_
t r 2020CM		9159A5	u8/L	9gl 0	9092A_	9g 30
, n8_53Ov		9AR4A	u8/L	9_491	91gl4	9R 64
, i2A16CM		2122	u8/L	91g_10	91_9	9091 A
Pb220ACM		9692A	u8/L	909245	91292	209 01
pb206_CM		9A930	u8/L	92921	9_392	9g 32
pe1560CM		21965	u8/L	9129	91 6	909130
pi2316Ov		9AR0	u8/L	92A9	9A910	9_9_
pK1_55CM		9 9A 2	u8/L	9192_	9A5g_1	909_43
pN213Ov		910_g	u8/L	91914	91g_6	9A 69
ciAA_5CM		9g_14	u8/L	909_01	913A9	215gl1
cl150_CM		21953	u8/L	9A965	916A9	219A
VC252_CM		209153	u8/L	9195_	91R21	209060
ZK2062CM		9903	u8/L	9g_26	9 94	919_
YCA600Ov		912931	7 9/p	9293A	9g 0_5	912931
YC22_ACM		9ARA 19	7 9/p	969_35	909A15A	9ARA 19
YCA600CM		955910	7 9/p	91R53g	909A551A	955910

SH4401-019A

t edr d9 nE e: - 60102011

t edr d9v enisir K: 91RA04

MkntSsd9 nE e: yMt

MqDuih9 ne: 6/26/201 955:A : 4Pt

p nE Tle9:StE: UKkKrwK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		9 3_9	u8/L	9 gl11	9g_542	9R 6
MA561Ov		9AR1	u8/L	91609	91936	9 R20
Ms1_51CM		9_29	u8/L	9g A6	909031	9106g
Mu2_24CM		20g_45	u8/L	9g_42	91009	9940
BC20_5CM		9 509	u8/L	9091_3	909_6A	9 069
Bm 33 Ov		9 4_9	u8/L	91913	91965	914900
BeA1A0Ov		9 349	u8/L	91942	919	914RA20
7 mA13_Ov	W	9 1960	u8/L	9069	9gl46	915R40
7d2263CM		9 659	u8/L	9gl24	9g 324	9R2A0
7r22_6CM		9_0gl	u8/L	91g 60	9090_2	91904
7M644CM		9 66g	u8/L	9A95	90962_	9R342
7uA24ACM		9_09	u8/L	9296_	909143	9AR45
Fe2355Ov		9 R61	u8/L	9 6	9193A	91R_23
- C466 Ov		9109250	u8/L	9_49	9g 01	9R01
Li6404Ov		9 3_9	u8/L	9A9 35	909613	9 R3A6
t 82023CM		91ARA10	u8/L	9290	909022	91R_3_
t K2346Ov		9A2gA	u8/L	90902	9gl66	91R40
t r 2020CM		9_g	u8/L	9 96A	909431	91119

SH4401-019A

t edhr d9 nE e: - 60102011

t edhr d9 enisir K: 91A04

MkntSsd nE e: yMt

MqDuih9 nE e: 6/26/201 955:A : 4Pt

p nE Tle9: Ste: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
, n8_53Ov		912R40	u8/L	9143g	91g	920R_0
, i2A16CM		9_4_g	u8/L	9g#3_	9g#462	9_1gA
Pb220ACM		9_Ag	u8/L	91g_5	9g#514	9_1gI
pb206_CM		9_52g	u8/L	9g#4_4	9g#5_5	91A1g
pe1560CM		9_45g	u8/L	9g#64	91g	93g#0
pi2316Ov		9R3_	u8/L	91A_g	9g#52	9_3Ag
pK1_55CM		91g#2A	u8/L	91g#2A	9_Ag#6	91g#50
pN213Ov		940g	u8/L	912g_	91g_	921R#10
ciAA_5CM		9_40g	u8/L	9_g#3A	91g#10	913R#10
cl150_CM		9_50g	u8/L	91g#23	9g#0_5	913_g
VC252_CM		9_42g	u8/L	9g#43	9g#63_	91R#56
ZK2062CM		9_46g	u8/L	91g#63	91g	9_5g
YCA600Ov		91AR_	7 g/p	93g_	9g#A224	91AR_
YC22_ACM		91R_3g	7 g/p	913g#00	9g#2124	91R_3g
YCA600CM		925_R#_0	7 g/p	91RA_g	91g#6_5	925_R#_0

CCV

t edhr d9 nE e: - 60102011

t edhr d9 enisir K: 91A04

MkntSsd nE e: yMt

MqDuih9 nE e: 6/26/201 955:A5:1_Pt

p nE Tle9: Ste: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
MA2_0CM		9_45g	u8/L	9g#66	9g#336	91R#AA
MA561Ov		912R40	u8/L	916_g	91g#32	91R#15
Ms1_51CM		9_5Ag	u8/L	9Ag#A_	9g#33_	9110g
Mu2_24CM		9_50g	u8/L	9g_5	9g#04A	91R#5A
BC20_5CM		9_55g	u8/L	91g#0	9g#612	9_14gA
Bm33_Ov		9_55g	u8/L	9g_3A	91g#52	91_R#40
BeA1A0Ov		9_2gI	u8/L	9g#6A	91g#61	914R#10
7mA13_Ov		912R00	u8/L	91A1g	91g_4	91R#32
7d2263CM		9_55g	u8/L	91g#5_	9g#A202	91R#0
7r22_6CM		90_g	u8/L	91g#01	9g#546	91R#56
7M644CM		9_5g	u8/L	91g#4	9g#355	91R#A5
7uA24ACM		900g	u8/L	9g#1_4	9g#1025	91R_A0
Fe2355Ov	W	911R#20	u8/L	911_g	91g#1	9_1R#06
- C466_Ov		911R#50	u8/L	912_g	91g#A3	91R#46
Li6404Ov		9_6g	u8/L	9_g_56	9g#2A3	9_1R#63
t_82023CM		912R_0	u8/L	92g#0	9g_61	91R_1A
t_K2346Ov	W	9_62gI	u8/L	9g_	91g#A6	91R#6g
t_r2020CM		903g	u8/L	9_g#60	9g_0A2	9_1g
, n8_53Ov		912R#10	u8/L	91_1g	91g#30	915R_0
, i2A16CM		901g	u8/L	91g_3	9g#A336	9_2_g
Pb220ACM		901g	u8/L	9g_50	9g#054_2	9A5_g
pb206_CM		9_6g	u8/L	9_g#46	91g#00	9125g
pe1560CM		900g	u8/L	9g#66	91g#A2	95g#2
pi2316Ov	W	911R#60	u8/L	913_g	91g_3	9_64g
pK1_55CM		9_55g	u8/L	91g#A0	9g#062	9143g
pN213Ov		9_5Ag	u8/L	9_g_4	9g_05	91_R#40
ciAA_5CM		9_5_g	u8/L	9g_3	9g#1_A	916R#00
cl150_CM		90_g	u8/L	9g#A6	9g#2_2A	9161g
VC252_CM		9_50g	u8/L	91g#55	9g#_63	91R#26
ZK2062CM		9_5Ag	u8/L	9g#0A0	9g#_A1	9_5g
YCA600Ov		912R#50	7 g/p	916g_2	9g#A012	912R#50
YC22_ACM		91R#A5g	7 g/p	915g#40	9g#4A0_	91R#A5g
YCA600CM		9256R#60	7 g/p	91A_g#6	91g_51A	9256R#60

CCB

t edhr d9 nE e: - 60102011

t edhr d9 enisir K: 91A04

CCB

t edhr d9 nE e: - 60102011

t edhr d9v enisir K: 91FA04

MkntSsd9 nE e: yMt

MqDuih9 nE e: 6/26/201 955: A: 4Pt

p nE Tle9: Ste: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		80465_	u8/L	90A0A2	9A5A5	804000
MA561Ov		9139A	u8/L	9169A1	910691	92035
Ms1_51CM		919_30	u8/L	919A13	91105	909_
Mu2_24CM		804_ A0	u8/L	90A0_6	9_00	909_
BC20_5CM		909_1	u8/L	909_2_6	916_9	92012
Bm 33_Ov		80913A4	u8/L	9091AA1	9_69A	92084
BeA1A0Ov		9094530	u8/L	90900A420	909_6_3	809A6
7 nA13_Ov		919A4	u8/L	919AA2	929A_	8091_3
7 d2263CM		909AA50	u8/L	9092A6_	959_4	819_
7 r 22_6CM		909131A	u8/L	9091A06	9_9A0	9204
7 M644CM		8091142	u8/L	909A314	9A001	96034
7 uA24ACM		909_4_0	u8/L	909_1A	959A	969_3
Fe2355Ov		919_1	u8/L	9190	9_394	91924
- C466_Ov		9295	u8/L	90951_	92906	829_
Li6404Ov		8203A	u8/L	909A_1	91694	809134
t 82023CM		9_9A00	u8/L	929162	909_	82916
t K2346Ov		9096022	u8/L	909_301	91_19	80952_
t r 2020CM		92923	u8/L	929_2	959_2_	92926
, n8_53Ov		8093A3	u8/L	919AA3	9109	9_9_
, i2A16CM		80916_2	u8/L	9091545	91149	909_63
Pb220ACM		919A2	u8/L	929444	9396	809_A66
pb206_CM	F	959_6A	u8/L	91924	91490	929_3
pe1560CM		90912A	u8/L	9092633	9091_2	919_1
pi2316Ov		819	u8/L	929_4	9196	9092
pK1_55CM		9091201	u8/L	929A52	9_9_9	9092_
pN213Ov		90916	u8/L	909144_	9_2913	8A604
ciAA_5CM		919A01	u8/L	90913_	91190	929_ A
cl150_CM		80921_	u8/L	929655	9A020	81941
VC252_CM		9091332	u8/L	9091212	9_9_	929A_
ZK2062CM		809_05	u8/L	9091A33	91649	909A_1
YCA600Ov		912R_12	7 9/p	9161914	919345	912R_12
YC22_ACM		91FA6491	7 9/p	929_1	90912321	91FA6491
YCA600CM		9A0_ R20	7 9/p	9_4_9A	9091334_	9A0_ R20

SH4401-019S

t edhr d9 nE e: - 60102011

t edhr d9v enisir K: 91FA04

MkntSsd9 nE e: yMt

MqDuih9 nE e: 6/26/201 955: _:24Pt

p nE Tle9: Ste: UKkK r wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		9_912	u8/L	909_	909146	9_ A9
MA561Ov		91R_6	u8/L	915914	909631	96594
Ms1_51CM		910_9	u8/L	90906150	90903514	92A9_4
Mu2_24CM		81933	u8/L	909_21	9A095	919_
BC20_5CM		90969	u8/L	909AA_5	90966_	9_1_9
Bm 33_Ov	W	91R52	u8/L	91A9_	90956_	91AR00
BeA1A0Ov		9_501	u8/L	909A043	909243	91R_13
7 nA13_Ov	W	9A_R0_0	u8/L	90909	919A1	914R_40
7 d2263CM		92910	u8/L	909_540	909A34A	929_5
7 r 22_6CM		909091	u8/L	919A0	909_35	91R42
7 M644CM		91569	u8/L	90960_	9091A23	929A6A
7 uA24ACM		92929	u8/L	9091614	9096_02	91R25
Fe2355Ov		9A19	u8/L	92914	909553	9A_49
- C466_Ov		910R40	u8/L	916916	909042	96955
Li6404Ov		9_19	u8/L	92926	919A33	9_ R A1
t 82023CM		912R20	u8/L	9_91	909154A	91R31
t K2346Ov		969A9	u8/L	959100	919A52	91R_
t r 2020CM		9A019	u8/L	91916_	91930	9_00

SH4401-019S

t edhr d9 nE e: - 60102011

t edhr d9/enisir K: 91R04

MknSsd nE e: yMt

MqDuih9 nE e: 6/26/201 955:24Pt

p nE Tle9:StE: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
, n8_53Ov		91AR60	u8/L	9121gA	90g_433	922R60
, i2A16CM		9800gA	u8/L	90926	90g1032	9_14g
Pb220ACM		9100g	u8/L	909550	909531	94g5
pb206_CM		9104g	u8/L	92g_40	92gA0A	924g_
pe1560CM		9102g	u8/L	9100A	909_16	91_9
pi2316Ov		95R6	u8/L	951g_	9094_4	9411g
pK1_55CM		9_56g	u8/L	91gA_5	9092416	914Ag
pN213Ov		9856g	u8/L	90954	909332	922R_0
ciAA_5CM		9_56g	u8/L	91g_1	9092A45	916R40
cl150_CM		95Ag_1	u8/L	90g_A21	90g_40	9_9A5
VC252_CM		9_53gA	u8/L	91gA_6	909241_	94R340
ZK2062CM		9_51g	u8/L	91002	90920A5	9_0gA
YCA600Ov		912R_A4	7 9/p	91A094	910141	912R_A4
YC22_ACM		94R5_g	7 9/p	91AgA51	90g_61A	94R5_g
YCA600CM		925AR250	7 9/p	9233g_0	909_4216	925AR250

SH4401-019P

t edhr d9 nE e: - 60102011

t edhr d9/enisir K: 91R04

MknSsd nE e: yMt

MqDuih9 nE e: 6/26/201 955:3A:01Pt

p nE Tle9:StE: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
MBA2_0CM		9_91	u8/L	9093A_2	90g1121	9_4g
MA561Ov		92R23	u8/L	9_6g	92gA0_	9_9g
Ms1_51CM		9102g	u8/L	924A	9220	92Ag5
Mu2_24CM		91921	u8/L	909431	9_96	91gA6
BC20_5CM		980Ag	u8/L	91gA04	909A_	9_1_g
Bm33_Ov	W	92R14	u8/L	921gA	910_4	94_R30
BeA1A0Ov		9_5g	u8/L	909505	91g150	91R_A0
7mA13_Ov	W	945R20	u8/L	963Ag	91g41	91_R60
7d2263CM		9_5gA	u8/L	909A526	90g1343	92R_5
7r22_6CM		980Ag	u8/L	91g260	909230	91R_5
7M644CM		915_g	u8/L	909A_30	90915A5	92R_06
7uA24ACM		923_g	u8/L	90g_33	9094256	94R45
Fe2355Ov		9532gA	u8/L	9_94	92g_	9A3Ag
- C466_Ov		910R40	u8/L	922Ag	920A	96R50
Li6404Ov		9_50g	u8/L	909A4	910_	9_R5A
t_82023CM		912R_0	u8/L	964g2	909A_2	91R46
t_K2346Ov		9643g	u8/L	91g26	91g_13	91R1_
t_r2020CM		9A0_gA	u8/L	91gA6	90g_321	9_6g
, n8_53Ov		91_R10	u8/L	9130g	91065	922R_0
, i2A16CM		9801g	u8/L	9092132	9090_2_	9_2Ag
Pb220ACM		9_94	u8/L	90931_	9093_4	94g_6
pb206_CM		910Ag	u8/L	90940_	909610	926g_
pe1560CM		910Ag	u8/L	91g243	91g25	91_gA
pi2316Ov		95R20_	u8/L	9136g	91gA00	956g
pK1_55CM		9_5_g	u8/L	909A004	90960A6	914_g
pN213Ov		9603g	u8/L	94gA16	91g205	922R_0
ciAA_5CM		9_55g	u8/L	91g255	909602	916R40
cl150_CM		95Ag2	u8/L	90g12_4	90g1A4	9_9_6
VC252_CM		9_5_g	u8/L	90g_6_6	90g14_1	9_R_0
ZK2062CM		9_5_g	u8/L	909A05	909_665	951g
YCA600Ov		912R441	7 9/p	9161gA	91g26AA	912R441
YC22_ACM		94R25g	7 9/p	9094A46	90905A150	94R25g
YCA600CM		9253R2A0	7 9/p	9_3g	909_A2A3	9253R2A0

SH4401-020

t edhr d9 nE e: - 60102011

t edhr d9/enisir K: 91R04

SH4401-020

t edr d9 nE e: - 60102011

t edr d9v enisir K: 91RA04

MkntSsd nE e: yMt

MqDuih9 ne: 6/26/201 95:34:A3Pt

p nE Tle9:StE: UKkKrwK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		90 43	u8/L	901005	9 0 46	910A_
MA561Ov		924_ 5	u8/L	91 4_	90 014	91A20
Ms1_51CM		90 21A2	u8/L	90 0A_ 06	9135 9	90 232
Mu2_24CM		90 012	u8/L	90 5_	9153 5	90 1A
BC20_5CM		910g	u8/L	90 103	90 14	910 6
Bm 33_Ov		90 23	u8/L	90 256_	90 056	90 4g
BeA1A0Ov		90 450	u8/L	90 24A4	90 4 3	90 3
7 mA13_Ov		90 6	u8/L	90 4g_	90 623	90 33
7 d2263CM		90 60_ 1	u8/L	90 14_A	90 5 2	90 4
7 r 22_6CM		90 1235	u8/L	90 150A	913 12	90 3
7 M644CM		90 06A	u8/L	90 1_ 2	90 4_	916 0
7 uA24ACM		91 2_ 1	u8/L	90 136A	912 0	914 5
Fe2355Ov		9 26 6	u8/L	91g 2	90 52	912 6
- C466_Ov		9 52 9	u8/L	912 45	91g AA	915 0
Li6404Ov		90 1246	u8/L	90 104	91A 4	90 61
t 82023CM		90 26	u8/L	90 2A	90 12A	90 4
t K2346Ov		90 5 6	u8/L	90 612	90 16A	914 2
t r 2020CM		9 0 43	u8/L	90 604	90 5_	90 06
, n8_53Ov		90 0_	u8/L	90 6_	90 06_	90 5
, i2A16CM		90 2_ 2	u8/L	90 452	912 6	90 3A32
Pb220ACM		90 24	u8/L	90 40A	90 5 2	90 165
pb206_CM		91 4 04	u8/L	90 35	90 4_ A	90 65
pe1560CM		91 0 1	u8/L	90 4	90 0g	90 4
pi2316Ov		90 6_	u8/L	9 0 02	91 0_	90 5 9
pK1_55CM		90 65	u8/L	90 6_ 2	910A 4	90 405
pN213Ov		90 3 5	u8/L	90 02	90 6	91RAAA
ciAA_5CM		90 60	u8/L	90 45A	91 0_	90 3g
cl150_CM		90 600	u8/L	90 15AA	90 6_	91 0
VC252_CM		90 5	u8/L	90 514	9 0 45	91 2 2
ZK2062CM		90 1A	u8/L	90 5A_0	9 0 56	9 0 6
YCA600Ov		912 1	7 0/p	90 36	90 564	912 1
YC22_ACM		90 1 5	7 0/p	90 6510	90 005 600	90 1 5
YCA600CM		90 R_0	7 0/p	90 34 0	90 1 A4	90 R_0

SH4401-021

t edr d9 nE e: - 60102011

t edr d9v enisir K: 91RA04

MkntSsd nE e: yMt

MqDuih9 ne: 6/26/201 95:02:1 Pt

p nE Tle9:StE: UKkKrwK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		90 031	u8/L	90 46A	90 2 2	90 23
MA561Ov		90 4 5	u8/L	91 23	91 42	9 2 4
Ms1_51CM		91 4_	u8/L	90 435	91 4	90 323
Mu2_24CM		91 3_	u8/L	90 23	9 6 5	90 4A3
BC20_5CM		910 3	u8/L	90 463	90 342	910 1
Bm 33_Ov		90 13	u8/L	90 6411	91 4 1	91 4 3
BeA1A0Ov		90 054_ 3	u8/L	90 43A2	90 62g	90 06
7 mA13_Ov		90 3_	u8/L	90 60	91 13	90 22_
7 d2263CM		90 4A_ 1	u8/L	90 33	90 2 4	91 1A
7 r 22_6CM		90 1_	u8/L	90 62_	90 6_ A	90 64
7 M644CM		90 0A3	u8/L	90 AA10	910 1	912 0
7 uA24ACM		90 201	u8/L	90 6401	9 0 41	90 65
Fe2355Ov		91 0_	u8/L	910 0	91g 6	90 0 3
- C466_Ov		9 0 4	u8/L	90 A	90 566	90 6 2
Li6404Ov		90 4A1	u8/L	91g 05	90 54 5	90 14
t 82023CM		90 RAA	u8/L	90 1	90 4_ 4	90 0g
t K2346Ov		90 2 1	u8/L	90 45A	90 24	916 5
t r 2020CM		90 4A	u8/L	90 AA02	91 20	90 01

SH4401-021

t edhr d9 nE e: - 60102011

t edhr d9v enisir K: 91FA04

MkntSsd9 nE e: yMt

MqDuih9 nE e: 6/26/201 99:02:1 Pt

p nE Tle9:StE: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
, n8_53Ov		962A6	u8/L	95925	91911	910R_0
, i2A16CM		a09A060	u8/L	99500A	925g 2	999_2
Pb220ACM		999444	u8/L	999600	9_292	a19103
pb206_CM		9992023	u8/L	9991105	9 946	999A A
pe1560CM		a0g 660	u8/L	919 5	9 1_9A	999011
pi2316Ov		9A266	u8/L	91295	999A54_	92309
pK1_55CM		a09_3	u8/L	99913_3	9A94_	999_55
pN213Ov		9A6gA4	u8/L	999_24	919_44	91FA 0
ciAA_5CM		999_	u8/L	999340	91944	9999A
cl150_CM		a093_3	u8/L	999 20	999594	a19A0_
VC252_CM		999 02	u8/L	9993145	9_9_5	9109A6
ZK2062CM		999 5A	u8/L	9994412	9A95	9992
YCA600Ov		912R04	7 9/p	91 9_3	9991301	912R04
YC22_ACM		9A1R149	7 9/p	919_43	9991046A	9A1R149
YCA600CM		9A01R50	7 9/p	91FA519	999 6066	9A01R50

SH4500-001

t edhr d9 nE e: - 60102011

t edhr d9v enisir K: 91FA04

MkntSsd9 nE e: yMt

MqDuih9 nE e: 6/26/201 99:06:3 Pt

p nE Tle9:StE: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
MA2_0CM		a0g_32	u8/L	9991546	9 09A	a1919_
MA561Ov		954912	u8/L	99943	9A96A	9 1g 5
Ms1_51CM		999 5	u8/L	999A35_	91A9_	999A05
Mu2_24CM		a19_A	u8/L	999_23	9A5g 6	a1923
BC20_5CM		9A91	u8/L	999_3A_	99913_	9 9_2
Bm33_Ov		91953	u8/L	9996_A	9A9 30	91019
BeA1A0Ov		999_44	u8/L	999_0 A	9 9_	a 9A3
7mA13_Ov	W	9 5R00	u8/L	999_094	919166	9A9200
7d2263CM		a0901A1_	u8/L	999A6A	9A93_	a19A0
7r22_6CM		9994301	u8/L	999135	9129	9994A
7M644CM		999 60	u8/L	9993A24	9A6g_	91096
7uA24ACM		9 91A	u8/L	999305	9993	911_94
Fe2355Ov		9A149	u8/L	999_	999344	912094
- C466_Ov		9A12	u8/L	9A393	919 2	91FA52
Li6404Ov		919452	u8/L	91953	9 95	9_94
t 82023CM		9A1A	u8/L	9 90	99960_	91R256
t K2346Ov		9A029	u8/L	9A9_4	91933	9 559
t r2020CM		91924	u8/L	99931 A	9A9A65	999_40
, n8_53Ov		912R40	u8/L	91509	91913	999R2A0
, i2A16CM		999613	u8/L	999145	929	9195
Pb220ACM		9993A5A	u8/L	91952	9A92	a194_
pb206_CM		999A 1	u8/L	919_6	999 9	9996_
pe1560CM		91g 02	u8/L	999AA3	9A9A5A	999A0_
pi2316Ov		9A251	u8/L	9A6g 4	91910_	9 59
pK1_55CM		999A153	u8/L	919_4	92_9	999405
pN213Ov		91469	u8/L	9194	99954A	9A906
ciAA_5CM		99944	u8/L	99900_330	999 11_	9 691
cl150_CM		9994532	u8/L	999 43	969_	a1931
VC252_CM		9991 2	u8/L	99904_	9695	999 341
ZK2062CM		9 9 0	u8/L	999105_	999 55	9_943
YCA600Ov		912R	7 9/p	999_2	99916A04	912R
YC22_ACM		9A1A39	7 9/p	999 6	9994_504	9A1A39
YCA600CM		953R230	7 9/p	9A519_2	999A241	953R230

SH4500-002

t edhr d9 nE e: - 60102011

t edhr d9v enisir K: 91FA04

SH4500-002

t edr d9 nE e: - 60102011

t edr d9v enisir K: 91R04

MkntSd9 nE e: yMt

MqDuih9 ne: 6/26/201 99:11:A2Pt

p nE Tle9: Ste: UKkKrwK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		80A1_4	u8/L	91A_5	9_2A9	a_00
MA561Ov		96_0	u8/L	9111	9165	96_0
Ms1_51CM		905	u8/L	9106	900_0	90261
Mu2_24CM		804_3	u8/L	905_5A	9_4A	9023
BC20_5CM		96A	u8/L	90A642	904_4	90A
Bm 33_Ov		9_06	u8/L	9023A	902A0	914_0
BeA1A0Ov		9033_5	u8/L	91_3	93_0	80_1
7mA13_Ov		90A0	u8/L	9006	90A40	902_
7d2263CM		902354	u8/L	90A324	91A30	81_4
7r22_6CM		90_24	u8/L	90A016	91004	90121
7M644CM		90AA4	u8/L	915	9A6A	9130_
7uA24ACM		9056	u8/L	90663	9_10A	8106
Fe2355Ov		90104	u8/L	9053	91010	9_0
- C466_Ov		963_0	u8/L	9120_1	910_54	90A01
Li6404Ov		80241	u8/L	910_A	9_5_0	9003
t_82023CM		91050	u8/L	90223	90_45A	91310
t_K2346Ov		9041A	u8/L	91643	90146	9_0_1
t_r2020CM		901_4	u8/L	900A25A	90A3_	9035
,_n8_53Ov		9106	u8/L	910	9010_3	90_46
,_i2A16CM		90AA	u8/L	902_36	9120	910_A
Pb220ACM		9040	u8/L	901A_	9_014	80160
pb206_CM		91022	u8/L	91005	91120A	90046
pe1560CM		810_A0	u8/L	90_1A	9_02	904A4
pi2316Ov		91R_16	u8/L	91_0_4	9100	910_0
pK1_55CM		9015_0	u8/L	9051	9A360A	9032
pN213Ov		91012	u8/L	90601	910A2	9A304
ciAA_5CM		91A05	u8/L	9046_4	90_56	9_0
cl150_CM		804_1	u8/L	9014AA	91402	810A_
VC252_CM		910A0	u8/L	905351	90A13	9140
ZK2062CM		9206	u8/L	90206	901_1	9_0302
YCA600Ov		912R_0	7_0/p	9_30A6A	906630	912R_0
YC22_ACM		90A460	7_0/p	91_040	9015_4	90A460
YCA600CM		9A_020	7_0/p	90310	90_A4_4	9A_020

SH4274-002R

t edr d9 nE e: - 60102011

t edr d9v enisir K: 91R04

MkntSd9 nE e: yMt

MqDuih9 ne: 6/26/201 99:16:12Pt

p nE Tle9: Ste: UKkKrwK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		90260	u8/L	910_	91140	815_0
MA561Ov	W	9A15R_00	u8/L	9_R66	90_4	91R40
Ms1_51CM		9A301	u8/L	90_3_	90_46	905A
Mu2_24CM		8204	u8/L	90_32	91300	9A_01
BC20_5CM		9A40	u8/L	91056	90A_46	9160
Bm 33_Ov	W	90A1	u8/L	91300	902	90R10
BeA1A0Ov		901_	u8/L	904455	91A1_	a_401
7mA13_Ov	W	90A100	u8/L	91_R30	90A3A	910A300
7d2263CM		81031	u8/L	903_52	9_0_5	90302
7r22_6CM		9A014	u8/L	90_05	9020	9030_
7M644CM		9160	u8/L	9056A	901A66	91011
7uA24ACM		9A540	u8/L	90AA	90632	91R_6
Fe2355Ov	W	90R_00	u8/L	90A43	90_3_	911R_0
- C466_Ov	W	9135R_00	u8/L	9_R3A	90_1	90A1_0
Li6404Ov		91_60	u8/L	91064	9106_	9_50A
t_82023CM		9A0R40	u8/L	9010	90_41	90A46
t_K2346Ov	W	9_1R10	u8/L	91R_	90_35	92R_0
t_r2020CM		91A15	u8/L	90111	9_0AA	902A

SH4274-002R

t edr d9 nE e: - 60102011

t edr d9 enisir K: 91R04

MkntSsd nE e: yMt

MqDuih9 ne: 6/26/201 99:16:12Pt

p nE Tle9: Ste: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
, n8_53Ov		91 R 0	u8/L	9A400	232_	91R04
, i2A16CM		2004	u8/L	903_3A	902513	91066
Pb220ACM		91A gl	u8/L	91031	904_A3	2 g_4
Pb206_CM		916g11	u8/L	9 gA50	2423	2456
pe1560CM		91 5_	u8/L	912g 1	9_2g_4	916A6
pi2316Ov		2R0A4	u8/L	9A0gA4	9A 3	224_
pK1_55CM		9A34	u8/L	22A2	6 6	9 402
pN213Ov	W	9AR21	u8/L	91A0	920_	9 R00
ciAA_5CM	W	91AR20	u8/L	913g _	90113	91 0R00
cl150_CM		904516	u8/L	902_6	915 gl	25145
VC252_CM		205gl	u8/L	902_6	9045	5_3g_
ZK2062CM		96445	u8/L	902036	9020A044	9 A36
YCA600Ov		912R_11	7 6/p	91_44A	91g 63A	912R_11
YC22_ACM		91R 4g	7 6/p	91_g_24	902641A	91R 4g
YCA600CM		2_ R340	7 6/p	90 gl3	90212A0	2_ R340

SH4474-001

t edr d9 nE e: - 60102011

t edr d9 enisir K: 91R04

MkntSsd nE e: yMt

MqDuih9 ne: 6/26/201 99:20:3Pt

p nE Tle9: Ste: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
MA2_0CM		214_	u8/L	90 03	202A	2344A
MA561Ov	W	91A R00	u8/L	91R21	90_566	94R 0
Ms1_51CM		9_Ag	u8/L	9A_2A	9 360	913g_
Mu2_24CM		22150	u8/L	906A_0	251A	536_
BC20_5CM		2_5	u8/L	905_36	90424A	2A40
Bm33_Ov		9A0A4	u8/L	91130	91016	24R60
BeA1A0Ov		9033	u8/L	901216	901_36	910 4
7mA13_Ov	W	2_R_0	u8/L	2A4g	90_A66	91AR50
7d2263CM		9120g	u8/L	90AA6A	90245	91R0A0
7r22_6CM		9 60A	u8/L	90255A	90302	915Ag
7M644CM	W	2R6	u8/L	914gA	90305	9A_R050
7uA24ACM	W	9R_0	u8/L	2345	90 A15	52RA0
Fe2355Ov	W	9145R00	u8/L	91R_31	91025	96_R20
- C466_Ov		2 R10	u8/L	903A	90465	913R30
Li6404Ov		232gl	u8/L	9A625	91g 0	2R340
t 82023CM	W	9 4R00	u8/L	91g 42	901360	96A6
t K2346Ov	W	91R0A1	u8/L	904	90A20	2R A
t r2020CM		964	u8/L	903_20	90_121	95g _
, n8_53Ov	W	9A5R30	u8/L	9A212	90_100	96R320
, i2A16CM		9 546	u8/L	901_A6	90A651	9_16g
Pb220ACM	W	2R16	u8/L	9050	90A015	91R43
Pb206_CM		915gl4	u8/L	9040_3	9A4	91 3
pe1560CM		90_52	u8/L	90104	91 gl0	2g _
pi2316Ov		91R55	u8/L	91015	903053	9136g
pK1_55CM		9 10gl	u8/L	90A_61	90_ A5	91 g
pN213Ov		9A516	u8/L	9 g A2	91glA1	913R20
ciAA_5CM	W	9R00	u8/L	2504	902_6	91_2R00
cl150_CM		21g 61	u8/L	2260	91_46	a 413
VC252_CM		9A60A	u8/L	91A_5	90A_33	9R16
ZK2062CM	W	91R25A	u8/L	913gl3	90204_	91 R0A0
YCA600Ov		91AR256	7 6/p	2g_640	902136A	91AR256
YC22_ACM		91R_ 4	7 6/p	9024A	90_24A_	91R_ 4
YCA600CM		255R340	7 6/p	9A20g 3	9010654	255R340

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t edr d9 nE e: - 60102011

t edr d9 enisir K: 91R04

SH4474-002

t edr d9 nE e: - 60102011

t edr d9 enisir K: 91A04

MkntSd9 nE e: yMt

MqDui9 ne: 6/26/201 99:23:1_Pt

p nE Tle9 Ste: UKKkr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		91401	u8/L	905A61	900	91_50
MA561Ov	W	9114R00	u8/L	91R05	91g 60	91_R A0
Ms1_51CM		9203	u8/L	90_3	91043	91301
Mu2_24CM		9204	u8/L	90A302	91A04	91405
BC20_5CM		925 gl	u8/L	900 A20	9001 65	91 gl
Bm 33 Ov		9620	u8/L	90 A	91A53	91R40
BeA1A0Ov		9620	u8/L	9023 4	90A451	91050
7 mA13_Ov	W	926R50	u8/L	9 1 0	91066	912R10
7 d2263CM		91010	u8/L	90 322	90g A_	91R2_
7 r22_6CM		9 60	u8/L	900 1 5	9005012	915 0A
7 M644CM	W	9204	u8/L	9 00A	900 1	91R30
7 uA24ACM	W	9 040	u8/L	90014	900 03_	91R30
Fe2355Ov	W	91_3R00	u8/L	905A	9101A	9150 0
- C466 Ov	W	9230 0	u8/L	9066g	91g 25	916R_0
Li6404Ov		926Agl	u8/L	91041	900A 5	91R30
t 82023CM	W	9 _R00	u8/L	9A 0A1	9004014	91R_0
t K2346Ov	W	91R53	u8/L	91 0A	900A6	91R20
t r 2020CM		9205	u8/L	900_6_	9004_2	915g 5
, n8_53Ov	W	9 2R00	u8/L	9 _60	91gl 4	910R60
, i2A16CM		9 A50A	u8/L	910 5	900A5_2	91200
Pb220ACM	W	91R46	u8/L	91g 50	90043 2	91R_A
pb206_CM		91 gl_6	u8/L	90032	91gl_	912gl4
pe1560CM		91gl_A_	u8/L	91015	906g_	91015
pi2316Ov		92035	u8/L	904g	90450	91350
pK1_55CM		9A34g	u8/L	9102A	90g 3 1	91260A
pN213Ov		9A41gA	u8/L	90023	91065	91 R_0
ciAA_5CM	W	9R_5	u8/L	9200	90g 00_	91_1R00
cl150_CM		90gl542	u8/L	91015	9200	91ag 50
VC252_CM		9A300	u8/L	91051	900A116	91R6
ZK2062CM	W	90R01	u8/L	900A 3	900032A2	91AFA_0
YCA600Ov		91ARA	7 0/p	910Ag 1	900_4A4	91ARA
YC22_ACM		91R_0	7 0/p	9 glA4	90036463	91R_0
YCA600CM		925_R_0	7 0/p	9A2AgA3	9000_A0	925_R_0

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t edr d9 nE e: - 60102011

t edr d9 enisir K: 91A04

MkntSd9 nE e: yMt

MqDui9 ne: 6/26/201 99:25:30Pt

p nE Tle9 Ste: UKKkr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		92 g A	u8/L	900243	90035	91620
MA561Ov	W	911R00	u8/L	91R05	9106A	915R20
Ms1_51CM		91R_	u8/L	90013	900A311	91_40
Mu2_24CM		92 g _	u8/L	9002_	90053	91002
BC20_5CM	W	9 R20	u8/L	91001	900_3A	91R_
Bm 33 Ov	W	91_R50	u8/L	9 400	900_4	9123R00
BeA1A0Ov		90001	u8/L	9006A42	900101	9 404
7 mA13_Ov	F	9261R00	u8/L	91R00	90g 51	9136R00
7 d2263CM		9 40	u8/L	900A 21	90glA_	91R01
7 r22_6CM		9 60	u8/L	900_22	90053AA	91 3g
7 M644CM		9 AgA	u8/L	91003	91016	91R3
7 uA24ACM	W	9 R06	u8/L	9 0_	90051	91_R A0
Fe2355Ov	W	91A5R00	u8/L	91R2_	9105A	91_R A0
- C466 Ov	F	910_R00	u8/L	90R4_	90041_	91AR_00
Li6404Ov		9260	u8/L	900A	900_	91R63
t 82023CM	W	921R00	u8/L	9051g	900A124	91AR60
t K2346Ov	F	9112R00	u8/L	91R54	90005	910R30
t r 2020CM		906g 5	u8/L	90056_	91036	9140

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t edhr d9 nE e: - 60102011

t edhr d9/enisir K: 91R04

MknSsd nE e: yMt

MqDuih9 ne: 6/26/201 99:25:30Pt

p nE Tle9: Ste: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
, n8_53Ov	W	962R60	u8/L	9603gA	96613	9 5R 0
, i2A16CM		9A 9	u8/L	96230	96423	9 9
Pb220ACM	W	91 R10	u8/L	9 9	9616 3	9R2A1
pb206_CM		95925	u8/L	9g 20	961 0	9614_
pe1560CM		94596	u8/L	91390	9159_1	96901
pi2316Ov		92R_4	u8/L	9 29_2	994_4	9 095
pK1_55CM		91469	u8/L	96110	96A 65	9 916
pN213Ov	W	91A230	u8/L	9 359	9g 40	9 1R00
ciAA_5CM	W	9R53_	u8/L	910_9	919_12	9 4R40
cl150_CM		9149_3	u8/L	919A5	96A	92A9_
VC252_CM		9AA96	u8/L	96923	96A06	91R_3
ZK2062CM	W	9A4R00	u8/L	959A	969_00_	9AAR00
YCA600Ov		912R42	7 9/p	9A229	969 3	912R42
YC22_ACM		96R_49	7 9/p	91 913	9691510	96R_49
YCA600CM		963R60	7 9/p	9AR069	919 A33	963R60

CCV

t edhr d9 nE e: - 60102011

t edhr d9/enisir K: 91R04

MknSsd nE e: yMt

MqDuih9 ne: 6/26/201 99:A :A Pt

p nE Tle9: Ste: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
MBA2_0CM		9 4A9	u8/L	961_5	96 626	96R4A
MA561Ov		912R20	u8/L	9A9A	9646_	9R902
Ms1_51CM		9 569	u8/L	9A942	9641_	911091
Mu2_24CM		9 519	u8/L	96451	961A_0	91R_
BC20_5CM		98099	u8/L	91912	96A_2	9 139
Bm33_Ov		98029	u8/L	9 g 53	96_5A5	91_R_0
BeA1A0Ov		9 449	u8/L	96 5	9646 1	914R20
7 mA13_Ov		912R40	u8/L	9A_9	96A131	9R901
7 d2263CM		98019	u8/L	9A914A	96AAA	9R95A
7 r22_6CM		980A9	u8/L	919_2_	96_A3	91R_3
7 R644CM		9_39	u8/L	9A91A4	96 61	9R9A0
7 uA24ACM		9 5 9	u8/L	919 3	9625A4	9AR_06
Fe2355Ov	W	911R20	u8/L	910_9	9625A	9 R_0
- C466_Ov		911R40	u8/L	9 295	965AA	9AR4
Li6404Ov		9 5491	u8/L	9A_	9661	9 R_A2
t 82023CM		912R_30	u8/L	9AA9A	9623_6	91R55
t K2346Ov	W	9 629	u8/L	96A14	919131	96191
t r2020CM		98029	u8/L	96 53	9195	9A294
, n8_53Ov		912R30	u8/L	94396	96100	915R_0
, i2A16CM		98039	u8/L	9A_0A	964324	9 239
Pb220ACM		98039	u8/L	9A_36	9646A3	9A5_9
pb206_CM		9_39	u8/L	9 942	96_45_	912_9
pe1560CM		9 539	u8/L	9 9_54	96_5	9 91_
pi2316Ov	W	911RA0	u8/L	9Ag	96 416	9 329A
pK1_55CM		980191	u8/L	9A 3	964242	914 9
pN213Ov		9 569	u8/L	9A_1	9644A6	91_R60
ciAA_5CM		9 529	u8/L	96956	96 4	916R230
cl150_CM		9119_	u8/L	9192A	96A434	91619
VC252_CM		9_39	u8/L	96_	964 1	9R902
ZK2062CM		9 5A9	u8/L	919_1	96A001	9_391
YCA600Ov		912R40A	7 9/p	9A9 1	963_	912R40A
YC22_ACM		91R559_	7 9/p	91 915A	961541A	91R559_
YCA600CM		95_R10	7 9/p	9R4_91	9642_5	95_R10

CCB

t edhr d9 nE e: - 60102011

t edhr d9/enisir K: 91R04

CCB

t edhr d9 nE e: - 60102011

t edhr d9/enisir K: 91FA04

MknSsd9 nE e: yMt

MqDuih9 ne: 6/26/201 99: A5:0APt

p nE Tle9: Ste: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		2025A6	u8/L	902220	91361	20300
MA561Ov		20	u8/L	906650	9A242	a 306
Ms1_51CM		9 664	u8/L	90 A1	91_04	91gA03
Mu2_24CM		20335_	u8/L	906426	9120g1	20gA_
BC20_5CM		90_103	u8/L	903 1_	903_3	9045
Bm 33 Ov		90g140	u8/L	90 10	9A465	9A266
BeA1A0Ov		90 35A	u8/L	90251A	9Ag A	26_
7 mA13_Ov		2_6A	u8/L	9061	9A 45	9 g_A
7d2263CM		90g1A1	u8/L	902A56	91g15	206_6
7r22_6CM		202616	u8/L	904155	9432	91_ A
7M644CM		903463	u8/L	905_	91413	9_ 6_
7uA24ACM		904355	u8/L	9042_5	9026	9A01
Fe2355Ov		91146	u8/L	91 2	90405	9_ 0
- C466 Ov		90645	u8/L	91303	923A	a 044
Li6404Ov		204265	u8/L	91 2	9236	9A45A
t 82023CM		901_	u8/L	91433	9A 4	2035A
t K2346Ov		20A4	u8/L	90A1_4	91363	26_
t r 2020CM		9 01	u8/L	90400_	91405	90421
, n8_53Ov		910gA_	u8/L	9010A	9 5g16	9 2g 6
, i2A16CM		90g10A2	u8/L	90A000	92504	9_ 31
Pb220ACM		90_0_	u8/L	90AA1A	9 06_	200A
pb206_CM	W	9020_	u8/L	90_15	9A5g1	2010
pe1560CM		913 0	u8/L	9061	9142g_	9065_
pi2316Ov		9001	u8/L	9032	9A32	9000
pK1_55CM		204A_1	u8/L	90 034	91200	903 5
pN213Ov		904410	u8/L	903045	91A65	2020
ciAA_5CM		914 2	u8/L	90A0A4	914 A	9A365
cl150_CM		90g1A2	u8/L	90 31_	9A 1g	20g1 2
VC252_CM		90g162	u8/L	902035	91442	9041
ZK2062CM		903_41	u8/L	90g1060	913g A	91_30
YCA600Ov		9124_6	7 6/p	9022A4	9036 5_	9124_6
YC22_ACM		91243g	7 6/p	912455	90g140 A	91243g
YCA600CM		255460	7 6/p	91A_4	90 624_	255460

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t edhr d9 nE e: - 60102011

t edhr d9/enisir K: 91FA04

MknSsd9 nE e: yMt

MqDuih9 ne: 6/26/201 99: A: 2Pt

p nE Tle9: Ste: UKKkr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		2 41	u8/L	9045A_	913_1	21g_5
MA561Ov	W	211400	u8/L	904A3	91256	9154 0
Ms1_51CM		91R_	u8/L	9 452	902AA1	9444A
Mu2_24CM		a_56	u8/L	911gA	91263	2426
BC20_5CM		9 400	u8/L	9 635	90g101A	6_66
Bm 33 Ov	W	91_450	u8/L	91560	910 A	91AA400
BeA1A0Ov		902A6	u8/L	9043A	912g10	91342
7 mA13_Ov	F	2453400	u8/L	9A6R_0	9143	2 2400
7d2263CM		2666	u8/L	90 301	90g16_	9_0gA
7r22_6CM		52g10	u8/L	910_6	91g145	6305
7M644CM		5_ 6	u8/L	90g1_5A	90152A	241A
7uA24ACM		9 432	u8/L	9_211	90g154_	9114 0
Fe2355Ov	W	91 6400	u8/L	902A2	91326	9104 0
- C466 Ov	W	9133400	u8/L	9A466	910 1	50460
Li6404Ov		2646	u8/L	9025	9Ag 43	91Ag1
t 82023CM	W	224400	u8/L	9A_0gA	90g1642	9440
t K2346Ov	F	911_400	u8/L	91R_0	913 5	9A44A0
t r 2020CM		6 g	u8/L	90_2 3	912_0	91_21

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t edr d9 nE e: - 60102011

t edr d9 enisir K: 91R04

MktSsd nE e: yMt

MqDuih9 nE e: 6/26/201 994: A: 2Pt

p nE Tle9: Ste: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
, n8_53Ov		96A4A0	u8/L	9 5_3	994_22	915R_10
, i2A16CM		9A342	u8/L	91gl31	994A222	910_g
Pb220ACM	W	913R_10	u8/L	920A	994266	92A_5
pb206_CM		91A413	u8/L	9 53	9944A	9 51
pe1560CM		91_30	u8/L	91g_6	9103A	9344
pi2316Ov		92A6	u8/L	912A9	926	9A395
pK1_55CM		91_g	u8/L	9232	91A32	912g_
pN213Ov	W	91AR_20	u8/L	91_45	91A35	9100A00
ciAA_5CM	W	96R_4	u8/L	92A90	994445	9A6R_00
cl150_CM		91066	u8/L	92_5	92A	a11g A
VC252_CM		9A_0gA	u8/L	92_	994A_3	9_5g
ZK2062CM	W	9 0R40	u8/L	9Agl2	994A05	913R_30
YCA600Ov		912A05	7 5/p	9A6A50	994536	912A05
YC22_ACM		96A1g	7 5/p	91335	994A11	96A1g
YCA600CM		92AR40	7 5/p	913491	99434333	92AR40

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t edr d9 nE e: - 60102011

t edr d9 enisir K: 91R04

MktSsd nE e: yMt

MqDuih9 nE e: 6/26/201 994: _1 Pt

p nE Tle9: Ste: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
MA2_0CM		92Agl5	u8/L	994513	91234	a5gA0
MA561Ov		9204R00	u8/L	92A1A	91A0_	910R_10
Ms1_51CM		91RAA	u8/L	914g_	9942AA	9 04_
Mu2_24CM		a1102	u8/L	9114_	91065	93
BC20_5CM		9 1433	u8/L	9A0g_	994_4	9A6Agl
Bm33_Ov	W	91_R310	u8/L	91544	9196_	96_R10
BeA1A0Ov		96A_A	u8/L	994_20	91_36	919_0
7mA13_Ov	W	92R5_R00	u8/L	9 6R60	91A14	9123R00
7d2263CM		92_0gl	u8/L	994_	994A1	9A_3
7r22_6CM		955gl3	u8/L	91g_2	91g_A6	9A6A1
7M644CM		91R11	u8/L	9A6g_A	9A9	91RA5A
7uA24ACM		9 1200	u8/L	916_A	9A91A	96R_6
Fe2355Ov		91_R00	u8/L	91R_2	91A4A	96R41
- C466_Ov	W	91_0R00	u8/L	914RA0	92A00	9 3R40
Li6404Ov		92_3	u8/L	91A3	9_4_4	92344
t_82023CM		92A3RA00	u8/L	9_24	9943_1	9A113
t_K2346Ov	W	9115R00	u8/L	92R03	91A6_	915RA0
t_r2020CM		9665	u8/L	9943_6	91g_A1	9233
, n8_53Ov		962R50	u8/L	9_9	91g_05	910R_0
, i2A16CM		9A_A6	u8/L	91g_A6	994_3	9551
Pb220ACM	W	916R_00	u8/L	9 Agl4	994365	91R42
pb206_CM		91266	u8/L	91194	913gl4	92300
pe1560CM		9121gl	u8/L	91525	91392	924
pi2316Ov		92A6	u8/L	9_g_0	9A4A5	9159_
pK1_55CM		9202gl	u8/L	994_1	994204	91A26
pN213Ov	W	91AR30	u8/L	920_3	91g_5_	911R30
ciAA_5CM		96R64	u8/L	92162	9A903	915RA10
cl150_CM		91_9_	u8/L	9_35	9A92	a6255
VC252_CM		9A533	u8/L	994_11	92_1	9_g
ZK2062CM	W	9 2R40	u8/L	9144	994_124	9_R_1
YCA600Ov		912A1A	7 5/p	921392	9195_	912A1A
YC22_ACM		96R6A6	7 5/p	923965	9946326	96R6A6
YCA600CM		92AR40	7 5/p	91R522	92_322	92AR40

SH4498-005

t edr d9 nE e: - 60102011

t edr d9 enisir K: 91R04

SH4498-005

t edr d9 nE e: - 60102011

t edr d9v enisir K: 91A04

MkntSd9 nE e: yMt

MqDuih9 ne: 6/26/201 99:32: _Pt

p nE Tle9: Ste: UKkKwK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		201562	u8/L	9050A1	9 602	2A00
MA561Ov	W	91A13000	u8/L	5R4	904 A2	21A200
Ms1_51CM		9A5A5	u8/L	5015	91345	2_g_1
Mu2_24CM		a A5_	u8/L	2555	5g_2	2502
BC20_5CM		91R_	u8/L	90A0A0	901603	9 4_0
Bm 33 Ov	W	910R20	u8/L	560A1	905321	912 R00
BeA1A0Ov		9145_	u8/L	9006 65	90A35_	91A20
7 mA13_Ov	W	91A 6000	u8/L	913R30	91123	210R00
7 d2263CM		205536	u8/L	90250	2A00	30g 4
7 r 22_6CM		9 A45	u8/L	9064_	904540	91050
7 M644CM		2R_4	u8/L	2004	90651	910R50
7 uA24ACM	W	9A412	u8/L	2600	9041A5	914R20
Fe2355Ov	W	916_R00	u8/L	91R43	9043A	20R 0
- C466 Ov	W	264R00	u8/L	91R5_	904105	33R 0
Li6404Ov		9120	u8/L	9026	904263	91R_2
t 82023CM	W	211R00	u8/L	2AA0	901104	5R253
t K2346Ov	W	9 6R40	u8/L	9 40A	9053 3	23R30
t r 2020CM		2504	u8/L	9103	50A	91 0A
, n8_53Ov		51R60	u8/L	9A150	901_A	9AAR30
, i2A16CM		2_20	u8/L	9041A0	902322	91 30
Pb220ACM		91R55	u8/L	910A6	906_A	9 630
pb206_CM		250	u8/L	2036	904	9_g _
pe1560CM		20041	u8/L	903 34	20A3	2032
pi2316Ov		2R_	u8/L	9 04_	9012	5001
pK1_55CM		360	u8/L	9053 6	910_0	50_1
pN213Ov	W	91R6A	u8/L	505_	910_	9_R30
ciAA_5CM	W	5R21	u8/L	9 30	90612	55RA0
cl150_CM		9_025	u8/L	90A_5	9105	201_1
VC252_CM		9_A0	u8/L	20A6	90365	91R 1
ZK2062CM	W	9 R5_	u8/L	905_6	90_ _	2R6_
YCA600Ov		912R00	7 0/p	914030	90A5 3	912R00
YC22_ACM		5RA6g	7 0/p	910142	9014_0	5RA6g
YCA600CM		242R 0	7 0/p	9 440	9014 _3	242R 0

PBWHF23ICW2

t edr d9 nE e: - 60102011

t edr d9v enisir K: 91A04

MkntSd9 nE e: yMt

MqDuih9 ne: 6/26/201 99:34:20Pt

p nE Tle9: Ste: UKkKwK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		201334	u8/L	902A41	91320A	20A_
MA561Ov		2A01	u8/L	910	530_2	50_5
Ms1_51CM		910_4	u8/L	90530_	9 401	900A3
Mu2_24CM		20A_3	u8/L	900_A	9 A01	9111A
BC20_5CM		91012	u8/L	9020 A	91005	9A_3
Bm 33 Ov		9041A3	u8/L	90A6 A	5103	5 06
BeA1A0Ov		20200A	u8/L	901550	550A6	a_064
7 mA13_Ov		90A2_	u8/L	90A2A4	2 A0	a_g_1
7 d2263CM		90124_	u8/L	90223_	91460	20100
7 r 22_6CM		20A6	u8/L	901_42	91A0A	910
7 M644CM		20A4_	u8/L	906 A1	9150	20_1
7 uA24ACM		90A10	u8/L	902204	9110	520A_
Fe2355Ov		50_A1	u8/L	202A	9A_05	911A0
- C466 Ov		5 05	u8/L	9A10_	9_04	30 02
Li6404Ov		20A64	u8/L	90A A0	91160	9 061
t 82023CM		50165	u8/L	90A 4	91101	20 5
t K2346Ov		910_4	u8/L	903 66	2060	20A41
t r 2020CM		90 64	u8/L	901_0A	9A_04	910A6

PBWHF23ICW2

t edhr d9 nE e: - 60102011

t edhr d9v enisir K: 91R04

MknSsd9 nE e: yMt

MqDuih9 nE e: 6/26/201 99:34:20Pt

p nE Tle9: Ste: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
, n8_53Ov		92390	u8/L	92A__	92A6A	96g_1
, i2A16CM		90A_ A3	u8/L	90A_4A	9205	909151
Pb220ACM		90A3_	u8/L	901013	9_9AA	919_1
pb206_CM		901543	u8/L	902A10	91149	90A3
pe1560CM		91g_62	u8/L	91944	9104g_	90934A
pi2316Ov		9Ag_3	u8/L	91_9A	9A469	91945
pK1_55CM		90A600	u8/L	90A_0	9196	90_04A
pN213Ov		90A_6_	u8/L	90_36	9A90	92590
ciAA_5CM		90A4	u8/L	90A00	90A42	9A59
cl150_CM		9190	u8/L	90_53	9_93	91942
VC252_CM		9011230	u8/L	901502	91R22	909214
ZK2062CM		90A_5	u8/L	9002_40	90_22_	91g_A3
YCA600Ov		912R_0	7 9/p	90952	9016112	912R_0
YC22_ACM		91246g	7 9/p	925910	90_110_	91246g
YCA600CM		9A00R40	7 9/p	9A2_9	91g_02	9A00R40

LCSWHF23ICW2

t edhr d9 nE e: - 60102011

t edhr d9v enisir K: 91R04

MknSsd9 nE e: yMt

MqDuih9 nE e: 6/26/201 99:02:01Pt

p nE Tle9: Ste: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
MA2_0CM		9_590	u8/L	90A441	91964	91R2_
MA561Ov		91R55	u8/L	9A0gAA	91914	95A9A
Ms1_51CM		91009	u8/L	919A_	919AA	92g_
Mu2_24CM		91942	u8/L	90_ A66	92A_	909112
BC20_5CM		9A29	u8/L	9_9_3	90_ A62	9_ AAg
Bm33_Ov		919_6	u8/L	91491	90_230	9A6R40
BeA1A0Ov		9_5g	u8/L	90_436	909_2	91R_21
7mA13_Ov		91R43	u8/L	910A5	90_200	91R_A_
7d2263CM		9229A	u8/L	91g_A	90_311	91R0_
7r22_6CM		922g	u8/L	929AA	9090A6	91R A6
7R644CM		9201g	u8/L	919A2	909340	91R_42
7uA24ACM		9260g	u8/L	91A4A	909263	9_ R05
Fe2355Ov		9359	u8/L	91095	9194A	9A3Ag
- C466_Ov		91R51	u8/L	910_9	91952	91R6_
Li6404Ov		9A4g	u8/L	9_9_3	9193A	91R205
t_82023CM		91R_1	u8/L	9259	90964	9A4g
t_K2346Ov		9_1g	u8/L	9193	91950	9A509
t_r2020CM		9A2_9	u8/L	919A1	90_105	9_409
, n8_53Ov		91R5A	u8/L	9A9_2	90_6A1	91R_0
, i2A16CM		9A_9	u8/L	9A9A	909A04	9_65g
Pb220ACM		9103g	u8/L	90A034	909500	9_1g_2
pb206_CM		9106g	u8/L	919_5	91g_4_	92A9A
pe1560CM		910_9	u8/L	90_356	90_223	91_9_5
pi2316Ov		9_ R4A	u8/L	9_ A9_3	9091_	9A359
pK1_55CM		9_ A9	u8/L	9A9_0	90955A	91_9
pN213Ov		936g	u8/L	90951	9195	920R60
ciAA_5CM		9209	u8/L	90A0	91915	914R50
cl150_CM		959_	u8/L	909_04	909_66	9A09A
VC252_CM		9_55g	u8/L	9096_	91g_A6	9_ R_0
ZK2062CM		9039	u8/L	919_A	90A2_	91R03
YCA600Ov		912R6_	7 9/p	9A5920	90A1312	912R6_
YC22_ACM		91R6Ag	7 9/p	909_2	90A003	91R6Ag
YCA600CM		9254R20	7 9/p	9A2439	91g014	9254R20

SH4460-001

t edhr d9 nE e: - 60102011

t edhr d9v enisir K: 91R04

SH4460-001

t edr d9 nE e: - 60102011

t edr d9v enisir K: 91R04

MkntSsd nE e: yMt

MqDuih9 ne: 6/26/201 99:06:A3Pt

p nE Tle9:StE: UKkKrwK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		20g 140	u8/L	99g12A1	92592	24900
MA561Ov		9 195	u8/L	91396	9A3g	91 96
Ms1_51CM		92946	u8/L	99914	92096	99.5 6
Mu2_24CM		209	u8/L	999A44	9 94	9191A
BC20_5CM		91 9	u8/L	99 3	999A1A	91A94
Bm 33 Ov		9 9	u8/L	999225A	999640	91439
BeA1A0Ov		2091345	u8/L	99 A53	924 9A	24g A
7 mA13_Ov	W	9 6R_0	u8/L	92439	999566	921940
7d2263CM		99914A4	u8/L	9992 6	91 1g	21946
7r22_6CM		2090A311	u8/L	99 152	9119 0	919 3
7M644CM		9990A	u8/L	9991563	99935	91096
7uA24ACM		999A	u8/L	999452	92195	9699A
Fe2355Ov		99933	u8/L	919 1	916g	9 9134
- C466 Ov		99913	u8/L	9259	91920	919 4
Li6404Ov		99 60A	u8/L	9990 A	96912	913913
t 82023CM		9 9 6	u8/L	91491	99911	919
t K2346Ov		9A19	u8/L	99 40	99 2	99912
t r 2020CM		99 3	u8/L	99 60	99912	9 9 A
, n8_53Ov		99936	u8/L	9A3912	9996_2	9 9A43
, i2A16CM		209550	u8/L	99 44	9 19A3	209664
Pb220ACM		999A05	u8/L	999045	999	21g 20
pb206_CM		209513	u8/L	919 1	9269	999163
pe1560CM		919 6	u8/L	9 91	92599	9991 6
pi2316Ov		9A9104	u8/L	9A9A4	9194	9A29
pK1_55CM		99946	u8/L	999A34	9 A92	9991AA
pN213Ov		91309	u8/L	919 0	99 240	9992
ciAA_5CM		9196A	u8/L	9990AA	9119A	9A393
cl150_CM		999A45	u8/L	99 A2	9 93	2092_2
VC252_CM		9990A1	u8/L	999A46	91594	9119
ZK2062CM		91915	u8/L	999151A	91495	99924
YCA600Ov		912954	7 9/p	9 9 245	99940045	912954
YC22_ACM		9A92A9	7 9/p	91 945	9996024	9A92A9
YCA600CM		9252930	7 9/p	9196A9	9994026	9252930

SH4460-002

t edr d9 nE e: - 60102011

t edr d9v enisir K: 91R04

MkntSsd nE e: yMt

MqDuih9 ne: 6/26/201 99:11:1 Pt

p nE Tle9:StE: UKkKrwK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		99940	u8/L	999A55	91559	2339
MA561Ov		9 9A	u8/L	99916	9149A	92g 3
Ms1_51CM		91019	u8/L	99 0	99 43	9209
Mu2_24CM		2A9 11	u8/L	99 13	916g A	92995
BC20_5CM		91396	u8/L	999143	91924	91A9 2
Bm 33 Ov		91395	u8/L	9991250	99 24A	9569A
BeA1A0Ov		209 A0	u8/L	99923 4	9591	29 30
7 mA13_Ov	W	911 900	u8/L	919	919 4	929A0
7d2263CM		2093_3	u8/L	9996412	9396	9A39A
7r22_6CM		9 96	u8/L	9994_01	99 501	92924
7M644CM		20915 2	u8/L	999A116	9169	91090
7uA24ACM		99965	u8/L	99 022	9A095	9591
Fe2355Ov	W	9 3R_A0	u8/L	9A9A9	999A6	916900
- C466 Ov		9A93A	u8/L	91239	919	9 9254
Li6404Ov		9991	u8/L	999 13	9 9 5	9A 9
t 82023CM		913920	u8/L	9 29A	999425	999
t K2346Ov	W	99 3	u8/L	9A9	9995A	9 R 5
t r 2020CM		9994A1	u8/L	99925	916A9	99 6

SH4460-002

t edhr d9 nE e: - 6010a2011

t edhr d9v enisir K: 91RA04

MkntSsd9 nE e: yMt

MqDuih9 nE e: 6/26/201 99:11:1 Pt

p nE Tle9:StE: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
, n8_53Ov		913R00	u8/L	92265	91312	92A800
, i2A16CM		92g_3	u8/L	92g_3	92g_66	92g_14
Pb220ACM		9195A	u8/L	921252	91925	92gA12
pb206_CM		91906	u8/L	926	9226	92g5_6
pe1560CM		92g_253	u8/L	929A16	9129A	9295_6
pi2316Ov		91R05	u8/L	91365	92910	92925
pK1_55CM		91g_25	u8/L	929131	91393	91956
pN213Ov		9AA39	u8/L	92966	9194A	912RA0
ciAA_5CM		91936	u8/L	9290_6	911g_	91935
cl150_CM		9291_4	u8/L	91960	92449	92965
VC252_CM		919455	u8/L	92914_	929	9295
ZK2062CM		9195	u8/L	92905	92953	929A_5
YCA600Ov		912R20	7 9/p	922944	919621	912R20
YC22_ACM		9293g_	7 9/p	9109_0	929_33	9293g_
YCA600CM		92_4RA50	7 9/p	91RAA9	929AA_4	92_4RA50

SH4460-003

t edhr d9 nE e: - 6010a2011

t edhr d9v enisir K: 91RA04

MkntSsd9 nE e: yMt

MqDuih9 nE e: 6/26/201 99:13:3APt

p nE Tle9:StE: UKkKr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
MA2_0CM		929622_	u8/L	9292_14	91g_0	929g_5
MA561Ov		92940_	u8/L	929532	929215_	919240
Ms1_51CM		9219A5	u8/L	929A_06	9195A	91g_2
Mu2_24CM		91g_14	u8/L	929A00	910g	92923
BC20_5CM		9259_	u8/L	9295_	91904	929A96
Bm33_Ov		9159	u8/L	929A021	919A0	91A_g
BeA1A0Ov		9291355	u8/L	9291A3_	91g_	91921
7mA13_Ov	W	9134R00	u8/L	929109	929456	911R_0
7d2263CM		9294534	u8/L	9291115	91906	91g_01
7r22_6CM		91903	u8/L	9291_6	91g_3A	91696
7N2644CM		92964	u8/L	929561	92953	92923
7uA24ACM		9292_	u8/L	92916	919A2	91A19
Fe2355Ov		911R20	u8/L	913940	9291_6	92926
-C466_Ov		929R1A	u8/L	929A25	9290_22	929251
Li6404Ov		91g_	u8/L	9195	9291A_	91_39
t82023CM	W	929RA40	u8/L	929g_1	9291416	91R_4
tK2346Ov	W	929R11	u8/L	9294_54	9290212_	929R40
tr2020CM		9191AA	u8/L	9290_2	92969A	92913A
, n8_53Ov	W	929R50	u8/L	9143g_	92910_	929R50
, i2A16CM		91923	u8/L	92916_	9291A	92935
Pb220ACM		92951	u8/L	91g_65	9290_1	929A5
pb206_CM		92906	u8/L	91g_3	91g_	92922
pe1560CM		92903	u8/L	929021	9296A_	9295A3
pi2316Ov		911R40	u8/L	92929	929463	9140g
pK1_55CM		929AAA	u8/L	929AA24	9139A6	9293_
pN213Ov		91069	u8/L	9292A	929436	925R30
ciAA_5CM		9104g	u8/L	929403	929315	929A5
cl150_CM		929AA06	u8/L	92901A	929129	929
VC252_CM		9192A	u8/L	929505A	92910A	929_
ZK2062CM		92994	u8/L	9295A5A	92904A	92949
YCA600Ov		912RA55	7 9/p	915g_A5	929_A51	912RA55
YC22_ACM		929R4_9	7 9/p	915914	929_624	929R4_9
YCA600CM		92_ARA60	7 9/p	9299A3	9291A_A	92_ARA60

SH4460-004

t edhr d9 nE e: - 6010a2011

t edhr d9v enisir K: 91RA04

SH4460-004

t edr d9 nE e: - 60102011

t edr d9v enisir K: 91R04

MkntSsd9 nE e: yMt

MqDuih9 nE e: 6/26/201 99:20:A1Pt

p nE Tle9:StE: UKkKrwK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		2025.6	u8/L	991661	986A5	256__
MA561Ov		9334.4	u8/L	924	9A	92053
Ms1_51CM		910913	u8/L	9106	910g__	9224A
Mu2_24CM		229132	u8/L	996421	9A12A	992623
BC20_5CM		92600	u8/L	990A	9A950	92103
Bm 33_Ov		9A0g 5	u8/L	91002	9A2_4	91R20
BeA1A0Ov		2005505	u8/L	99005 01	9A4	20052
7m1A13_Ov	W	9132R400	u8/L	9R36	91A3	95R2_0
7d2263CM		209111	u8/L	9935A__	9A25	20951
7r22_6CM		9146	u8/L	9250	9143	92553
7M2644CM		99A26	u8/L	991125	9A90	91A91
7uA24ACM		9A561	u8/L	99A414	9A6	91A96
Fe2355Ov		9091	u8/L	9A21	91A0	92504
- C466_Ov		910R40	u8/L	922A	920	9R5
Li6404Ov		9251__	u8/L	92141	9A1	9240
t 82023CM	W	9A4R60	u8/L	9A4	991_5A	9R56
t K2346Ov		914	u8/L	912	91A4	91R13
t r 2020CM		91966	u8/L	99A36__	915912	9A9101
, n8_53Ov	W	9A1R10	u8/L	9A391	91A0A	95R_0
, i2A16CM		9A9A6	u8/L	9916	9A914	9A9A
Pb220ACM		209A635	u8/L	99154	9091	209A__
pb206_CM		9191	u8/L	922	9123	9204__
pe1560CM		919A2	u8/L	99A51	9221	9235
pi2316Ov		9R6A	u8/L	91319	9211	9R9
pK1_55CM		994100	u8/L	990	91R__	99A2A
pN213Ov		9A9A	u8/L	9A9A3	91A9A	921R00
ciAA_5CM		925__	u8/L	991A1A	9191	9A2__
cl150_CM		9235	u8/L	92653	9A9__	209A00
VC252_CM		2093334	u8/L	991_1A	9A262	2091916
ZK2062CM		9215	u8/L	9226_1	9A0g 0	9225
YCA600Ov		912R04	7A/p	9A2A0	92552	912R04
YC22_ACM		9R9A91	7A/p	925A6	991016__	9R9A91
YCA600CM		9R920	7A/p	91R92	92150	9R920

SH4460-005

t edr d9 nE e: - 60102011

t edr d9v enisir K: 91R04

MkntSsd9 nE e: yMt

MqDuih9 nE e: 6/26/201 99:23:11Pt

p nE Tle9:StE: UKkKrwK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		209A41	u8/L	99123__	9A29	20943
MA561Ov		9091	u8/L	9A43	9A26	91A95
Ms1_51CM		912	u8/L	919A	9A2_2	910g 6
Mu2_24CM		20944	u8/L	920A0	920A4	9191__
BC20_5CM		9212	u8/L	99AA13	91912	9194
Bm 33_Ov		9122	u8/L	99A102	91923	91469A
BeA1A0Ov		9905A6__	u8/L	99622	920g	209A5
7m1A13_Ov	W	90R40	u8/L	92691	9201	91R_0
7d2263CM		990430	u8/L	99A0__	93091	209A__
7r22_6CM		99445	u8/L	996302	9A91	921A
7M2644CM		9956A	u8/L	99135A	9169	9A932
7uA24ACM		91915	u8/L	991_0	919	9A195
Fe2355Ov		9119	u8/L	9262	922A3	939__
- C466_Ov		9R95	u8/L	9A196	91A24	9R93
Li6404Ov		9242	u8/L	925__	9A93	9A90
t 82023CM		9R912	u8/L	9A911	993_0	9A99
t K2346Ov		9A9A	u8/L	91941	920A	91229A
t r 2020CM		9203	u8/L	92106	9g 06	919A

SH4460-005

t edhr d9 nE e: - 60102011

t edhr d9v enisir K: 91R04

MkntSsd9 nE e: y Mt

MqDuih9 nE e: 6/26/201 99:23:11Pt

p nE Tle9: Ste: UKKkr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
, n8_53Ov		912R_0	u8/L	91A5gA	91g13_	91_R50
, i2A16CM		80554	u8/L	901266	91g_05	80g_2AA
Pb220ACM		91g_00	u8/L	90g_A2	9A_g_1	80g_00
pb206_CM		80g_6	u8/L	90g_23A	90g_23	90g_5_
pe1560CM		82g_0	u8/L	90g_50	90g_13	90g_61
pi2316Ov		91R63	u8/L	9A906	90gA5	9AA_g
pK1_55CM		90g_3_6	u8/L	90g_5	9_5g13	90g_2A3
pN213Ov		912_g	u8/L	90g056	90g_433	9_R_8_A
ciAA_5CM		80g16A2	u8/L	90gA32_	916g_2	81g_
cl150_CM		80g_414	u8/L	90g1216	91A5g	81g_1_A
VC252_CM		90g000	u8/L	90g1322	916g10	90g_54
ZK2062CM		90g_111	u8/L	90g4065	9_g_13	91g_52
YCA600Ov		912R54	7 8/p	90g50g_	90g_220	912R54
YC22_ACM		90R55g	7 8/p	90g5011	90g0_3320	90R55g
YCA600CM		9050R20	7 8/p	90gA56	90g15_A5	9050R20

CCV

t edhr d9 nE e: - 60102011

t edhr d9v enisir K: 91R04

MkntSsd9 nE e: y Mt

MqDuih9 nE e: 6/26/201 99:25:30Pt

p nE Tle9: Ste: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
MA2_0CM		902g	u8/L	90g4A	91g_	910R_0
MA561Ov		912R50	u8/L	9120g	90g_46	90R61
Ms1_51CM		901g	u8/L	90g20	90g_02_	9104g
Mu2_24CM		902Ag	u8/L	90g_31	90g_305	91R23
BC20_5CM		914g	u8/L	90g4_5	90g_56	9_1_g
Bm33_Ov		916g	u8/L	9_g_50	90g_43	91_R30
BeA1A0Ov		9_44g	u8/L	9_g32	90g430	914R20
7mA13_Ov		912R_0	u8/L	91g4	90gAA3	90R63
7d2263CM		902Ag	u8/L	90g6A_	90g1044	90R2A
7r22_6CM		914g	u8/L	90g126	90g5510	91R66
7M644CM		9_53g	u8/L	90g21	91g1A	90R13
7uA24ACM		913g	u8/L	9_g61	90g_2	90R_6
Fe2355Ov	W	911R_0	u8/L	9A904	90g_0_1	9_R1A2
- C466_Ov		912R10	u8/L	9_4gA	90g002	90R
Li6404Ov	W	9_2g	u8/L	90g_6	90g243	90R34
t_82023CM	W	91AR60	u8/L	90g3_4	90g_1	91R_24
t_K2346Ov	W	9_6_g	u8/L	90g0_	91g2A	90g_3_
t_r2020CM		9020g	u8/L	9_g1A	90g_664	90A1g
, n8_53Ov		912R40	u8/L	912_g	90g4_5	90R30
, i2A16CM	W	90A5g	u8/L	90g002	90g5263	9_5g
Pb220ACM		90g_6	u8/L	91g45	90g011	90g_5
pb206_CM		9_52g	u8/L	90g56	91g134	9123g
pe1560CM		916g	u8/L	9_gAA	91g_5	9_g_0
pi2316Ov	W	911R00	u8/L	91A4g	91g_5	9_3Ag
pK1_55CM		91_gA	u8/L	91g22	90g5A4	914Ag
pN213Ov	W	9_1g	u8/L	90g_11	90g40A	915R20
ciAA_5CM		9_2g	u8/L	9_g30	90g_22	913R60
cl150_CM	W	90g_5	u8/L	90g44_5	90g_4A	9160g
VC252_CM		9_g	u8/L	90g16_	91g24A	90R03
ZK2062CM		9_55g	u8/L	90g_56	90g3001	90g_5
YCA600Ov		912R2_	7 8/p	9102g2	90g_2343	912R2_
YC22_ACM		90R25g	7 8/p	90g666	90gA552A	90R25g
YCA600CM		9051R00	7 8/p	90R65g	91g1200	9051R00

CCB

t edhr d9 nE e: - 60102011

t edhr d9v enisir K: 91R04

CCB

t edhr d9 nE e: - 60102011

t edhr d9/enisir K: 91R04

MkntSsd9 nE e: yMt

MqDuih9 ne: 6/26/201 99: A :20Pt

p nE Tle9: Ste: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		a026A1	u8/L	992012	916g 5	a 443
MA561Ov		9_264	u8/L	94211	9_4g_2	a1265
Ms1_51CM		94236	u8/L	9946 6	2322	99205_
Mu2_24CM		a0g 01	u8/L	993614	91A52	224A_
BC20_5CM		99A_43	u8/L	9924A1	910g 5	226A
Bm 33 Ov		a02213	u8/L	991021	9 625	91521
BeA1A0Ov		9923361	u8/L	99 246	916g_5	a3g_1A
7mA13_Ov		a2265	u8/L	9_205	2 32	a1026
7d2263CM		99_6 6	u8/L	991065	9122A6	a122
7r22_6CM		9920101	u8/L	99A110	9A0260	912_
7M2644CM		9926014	u8/L	9914A2	2_4g_	9_2_1_
7uA24ACM		a0g 163	u8/L	99 404	911A2	2225
Fe2355Ov		9_22	u8/L	993551	912 2	912A0
- C466 Ov		26g_3	u8/L	2323	2A2_	2_20
Li6404Ov		a0g_2A_	u8/L	91251	2032A	22450
t 82023CM		a1g 12	u8/L	91g 56	91062	a2A66
t K2346Ov		991A01	u8/L	91g AA	91R01	a0g 64_
t r 2020CM		9 223	u8/L	991_4	22g_2	22A61
, n8_53Ov		a0g10A4	u8/L	2210	22A	23212
, i2A16CM		991264	u8/L	9913A0	91202	99_5
Pb220ACM		912A5	u8/L	99A10_	2521	a02_2
pb206_CM	F	22A_5	u8/L	2224	2A2	22_6
pe1560CM		220A	u8/L	91g 35	912g_A	9925 4
pi2316Ov		91216A	u8/L	992A6	9 52A4	91253
pK1_55CM		99g 644	u8/L	91g_0	916g	99_04A
pN213Ov		99g 341	u8/L	992_02	221A0	a2620
ciAA_5CM		9122_	u8/L	992632	2021	9152_
cl150_CM		a0g_260	u8/L	91g	91A_g	a12A53
VC252_CM		9913_2	u8/L	99AA 4	2112	99 A_0
ZK2062CM		a0g_3A	u8/L	99A_A3	9_6212	99A356
YCA600Ov		91226_	7 2/p	221263	99 0451	91226_
YC22_ACM		9120 2	7 2/p	9132A1	9922141	9120 2
YCA600CM		256R_10	7 2/p	91602A5	9923615	256R_10

SH4460-006

t edhr d9 nE e: - 60102011

t edhr d9/enisir K: 91R04

MkntSsd9 nE e: yMt

MqDuih9 ne: 6/26/201 99: A5:00Pt

p nE Tle9: Ste: UKKkr wK

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
M8A2_0CM		99101A	u8/L	99231	21_g	99A230
MA561Ov		2A25	u8/L	91A3A	91A20	91523
Ms1_51CM		99A3	u8/L	99 6	91A2_	9914
Mu2_24CM		a 230	u8/L	994512	91266	a0g_300
BC20_5CM		912A6	u8/L	99A633	2232	91g 5A
Bm 33 Ov		91322	u8/L	9955A5	992616	23_21
BeA1A0Ov		99A54_	u8/L	99_6A	21421	a2212
7mA13_Ov	W	9111200	u8/L	91211	91_3	9 5230
7d2263CM		99A32A	u8/L	99A122	9_21	a1g A
7r22_6CM		2200	u8/L	99A_	992515	22g_
7M2644CM		99A35	u8/L	99A5A5	9142A	91421A
7uA24ACM		2223	u8/L	991241	22AA	22211
Fe2355Ov		9 262	u8/L	9913 1	99A612	913 2A
- C466 Ov		22 3	u8/L	91A_1	992054	91264
Li6404Ov		91A2 4	u8/L	99A555	2265	91A62A
t 82023CM	W	23240	u8/L	9A 2A6	991AA5	91A1A
t K2346Ov	W	91221	u8/L	91320	91211	2250
t r 2020CM		99A6A	u8/L	99154_	2121A	91g_51

KATAHDIN ANALYTICAL SERVICES, INC.

METALS ANALYSIS RUN INFORMATION SHEET

INSTR. ID: IThermo iCAP6500 ANALYST: EAM ANALYSIS DATE: 7-2-14

FILE NAME: IHG102A

REVIEWED

HMM 7-8-14
KATAHDIN ANALYTICAL
METALS SECTION

METHOD:

ICP

☒ 200.7

☒ 6010B

☐ CLP

☐ _____

ICP-MS

☐ 200.8

☐ 6020

☐ CLP

☐ _____

CVAA

☐ 245.____

☐ 747____

☐ CLP

☐ _____

STANDARDS USED:

Standard Name	Standard ID	Prep Date	Expiration Date	Standard Conc.
Cal Blank/ICP/CLB	MW14957	5-15-14	5-15-15	0mg/L
Cal. Std.	MW14954	6-25-14	8-5-14	varies by element
ICV	MW14945	6-23-14	9-23-14	
POL	MW14961	6-28-14	8-8-14	
LP81	MW14956	6-26-14	8-8-14	
LPS2	MW14970	7-2-14	8-8-14	
ICSA	MW14930	6-10-14	9-10-14	
ICSA B	MW14918	6-4-14	9-1-14	
CLV	MW14966-155	6-26-14	8-8-14	
Internal Std.	MW14949	6-24-14	9-24-14	5mg/L Y

HMM 7-8-14

Additional Comments and Notes:

HMM 7-8-14

INSTRUMENT RUNLOG

Instrument: ICAP 6500

SAMPLE ID	DF	FILE	DATE	TIME	ANALYST
Blank	1.000	IHG02A	7/2/2014	9:48	EAM
Std 1	1.000	IHG02A	7/2/2014	9:53	EAM
ICV	1.000	IHG02A	7/2/2014	9:57	EAM
ICB	1.000	IHG02A	7/2/2014	10:02	EAM
PQL	1.000	IHG02A	7/2/2014	10:06	EAM
LRS1	1.000	IHG02A	7/2/2014	10:11	EAM
LRS2	1.000	IHG02A	7/2/2014	10:16	EAM
ICSA	1.000	IHG02A	7/2/2014	10:25	EAM
ICSAB	1.000	IHG02A	7/2/2014	10:30	EAM
CCV	1.000	IHG02A	7/2/2014	10:35	EAM
CCB	1.000	IHG02A	7/2/2014	10:39	EAM
PBWHF24ICW1	1.000	IHG02A	7/2/2014	10:44	EAM
LCSWHF24ICW1	1.000	IHG02A	7/2/2014	10:49	EAM
SH4521-002	1.000	IHG02A	7/2/2014	10:53	EAM
SH4521-003	1.000	IHG02A	7/2/2014	10:58	EAM
SH4521-004	1.000	IHG02A	7/2/2014	11:03	EAM
SH4521-005	1.000	IHG02A	7/2/2014	11:07	EAM
SH4521-006	1.000	IHG02A	7/2/2014	11:12	EAM
SH4521-007	1.000	IHG02A	7/2/2014	11:16	EAM
SH4521-009	1.000	IHG02A	7/2/2014	11:21	EAM
SH4521-009L	5.000	IHG02A	7/2/2014	11:26	EAM
CCV	1.000	IHG02A	7/2/2014	11:30	EAM
CCB	1.000	IHG02A	7/2/2014	11:35	EAM
SH4521-009A	1.000	IHG02A	7/2/2014	11:39	EAM
SH4521-009S	1.000	IHG02A	7/2/2014	11:44	EAM
SH4521-009P	1.000	IHG02A	7/2/2014	11:48	EAM
SH4521-010	1.000	IHG02A	7/2/2014	11:53	EAM
SH4521-011	1.000	IHG02A	7/2/2014	11:58	EAM
SH4521-012	1.000	IHG02A	7/2/2014	12:02	EAM
SH4521-013	1.000	IHG02A	7/2/2014	12:07	EAM
SH4521-014	1.000	IHG02A	7/2/2014	12:12	EAM
SH4521-014L	5.000	IHG02A	7/2/2014	12:16	EAM
SH4521-014A	1.000	IHG02A	7/2/2014	12:21	EAM
CCV	1.000	IHG02A	7/2/2014	12:25	EAM
CCB	1.000	IHG02A	7/2/2014	12:30	EAM
SH4521-014S	1.000	IHG02A	7/2/2014	12:34	EAM
SH4521-014P	1.000	IHG02A	7/2/2014	12:39	EAM
SH4521-016	1.000	IHG02A	7/2/2014	12:43	EAM
SH4521-017	1.000	IHG02A	7/2/2014	12:48	EAM
SH4521-018	1.000	IHG02A	7/2/2014	12:53	EAM
SH4521-019	1.000	IHG02A	7/2/2014	12:57	EAM
SH4521-020	1.000	IHG02A	7/2/2014	13:02	EAM
SH4521-024	1.000	IHG02A	7/2/2014	13:07	EAM
PBWHF26ICW1	1.000	IHG02A	7/2/2014	13:11	EAM

SAMPLE ID	DF	FILE	DATE	TIME	ANALYST
LCSWHF26ICW1	1.000	IHG02A	7/2/2014	13:16	EAM
CCV	1.000	IHG02A	7/2/2014	13:20	EAM
CCB	1.000	IHG02A	7/2/2014	13:25	EAM
SH4523-022	1.000	IHG02A	7/2/2014	13:29	EAM
SH4604-002	1.000	IHG02A	7/2/2014	13:34	EAM
SH4604-003	1.000	IHG02A	7/2/2014	13:39	EAM
SH4604-004	1.000	IHG02A	7/2/2014	13:43	EAM
SH4604-005	1.000	IHG02A	7/2/2014	13:48	EAM
SH4604-006	1.000	IHG02A	7/2/2014	13:53	EAM
SH4604-007	1.000	IHG02A	7/2/2014	13:57	EAM
SH4604-008	1.000	IHG02A	7/2/2014	14:02	EAM
SH4604-009	1.000	IHG02A	7/2/2014	14:07	EAM
SH4604-010	1.000	IHG02A	7/2/2014	14:11	EAM
CCV	1.000	IHG02A	7/2/2014	14:16	EAM
CCB	1.000	IHG02A	7/2/2014	14:20	EAM
SH4604-011	1.000	IHG02A	7/2/2014	14:25	EAM
SH4611-001	1.000	IHG02A	7/2/2014	14:30	EAM
SH4611-002	1.000	IHG02A	7/2/2014	14:34	EAM
SH4662-001	1.000	IHG02A	7/2/2014	14:39	EAM
SH4662-002	1.000	IHG02A	7/2/2014	14:44	EAM
SH4662-002L	5.000	IHG02A	7/2/2014	14:48	EAM
SH4662-002A	1.000	IHG02A	7/2/2014	14:53	EAM
SH4662-002S	1.000	IHG02A	7/2/2014	14:57	EAM
SH4662-002P	1.000	IHG02A	7/2/2014	15:02	EAM
SH4662-003	1.000	IHG02A	7/2/2014	15:06	EAM
CCV	1.000	IHG02A	7/2/2014	15:11	EAM
CCB	1.000	IHG02A	7/2/2014	15:16	EAM
SH4662-005	1.000	IHG02A	7/2/2014	15:20	EAM
CCV	1.000	IHG02A	7/2/2014	15:25	EAM
CCB	1.000	IHG02A	7/2/2014	15:29	EAM
PQL	1.000	IHG02A	7/2/2014	15:34	EAM
ICSA	1.000	IHG02A	7/2/2014	15:38	EAM
ICSAB	1.000	IHG02A	7/2/2014	15:43	EAM
CCV	1.000	IHG02A	7/2/2014	15:48	EAM
CCB	1.000	IHG02A	7/2/2014	15:53	EAM

Intensity Report

3 uA/M:

Published: 6/2/2401 1:40:92P5

o M/s:

Blank

5 eA/M: o ame: K, 404-2400

5 eA/M: RevisiMh: OrND,

3 nalySAo ame: E35

3D uite g aA: 6/2/2401 c:1q:ND35

Sample Type: SAndatd

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		4844441444	7 A/S	484442244	, 068N	08244
3INc, 0CR		-48444NN44	7 A/S	484440qN4	99894	-0N8,
3s0qc0C3		4844449N44	7 A/S	4844446444	0286N	48492N
3u2126C3		484442, c4	7 A/S	484442qc4	0468N	28269
BC24qcC3		484442q94	7 A/S	4844442444	, 8c9N	28102
Ba1991CR		48440406	7 A/S	4844401N4	0184q	1480N
BeNDN4CR		-484404, q	7 A/S	4844444q444	486qqN	-1280,
7 aND9qCR		-48440N, N	7 A/S	484444N, 44	28 N4	-9N84
7 d22, 9C3		-484442, 24	7 A/S	4844442N44	q8424	-28224
7 M22q, C3		48444N2c4	7 A/S	484444N444	c84N	286qq
7 t2, 66C3		4844440, 44	7 A/S	48444440444	68c64	989q4
7 uN26NC3		4844422q4	7 A/S	48444442444	486924	66824
Fe29ccCR		484404c4	7 A/S	484444qq44	q8411	1N8,
KO6, , 1CR		-48440410	7 A/S	484441414	Nq84N	-148c
Li, 646CR		-48440ND6	7 A/S	4844404N4	6840c	-908,
5_2429C3		-484441q44	7 A/S	48444442444	4811N	-1849c
5 n296, CR		-484444qq44	7 A/S	48444449444	980cq	-N81, 6
5 M2424C3		484442, q4	7 A/S	484444N244	00842	282, c
o a9qc9CR		484449q14	7 A/S	484444, 444	048N2	2N849
o i2ND, C3		484444, 444	7 A/S	4844442644	118cq	484cq
Pb224NC3		-484440194	7 A/S	4844440644	0084q	-0822q
Sb24, qC3		484444N144	7 A/S	484444, 144	0qq8c	482q, 9
Se0c, 4C3		4844449144	7 A/S	4844440q44	NN811	48496N
Si290, CR		484449464	7 A/S	484440004	208c2	0c8c
Sn0qccC3		484444q444	7 A/S	4844440044	0184N	486q9
St1209CR		-48442c6,	7 A/S	4844419c4	09812	-0068
TiNN1cC3		-4844441044	7 A/S	4844440c44	168 2	-0N849
Ti0c4qC3		-484440Nq4	7 A/S	4844442044	098N6	-08064
VC2c21C3		4844440144	7 A/S	4844440044	q08NN	18609
Zn24, 2C3		4844446044	7 A/S	4844444, 444	q8422	484Nq
YCN, 44CR		Ncr169	7 A/S	11289,	080200	Ncr169
YC221NC3		qr1, 281	7 A/S	0q8920	4820qq6	qr1, 281
YCN, 44C3		NNcr0, 4	7 A/S	2r12484	480N92	NNcr0, 4

Std 1

5 eA/M: o ame: K, 404-2400

5 eA/M: RevisiMh: OrND,

3 nalySAo ame: E35

3D uite g aA: 6/2/2401 c:9N4c35

Sample Type: SAndatd

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		484, q09	7 A/S	484441Nq4	48 12N	22r4q4
3INc, 0CR		484069	7 A/S	48449cq	486N2,	N8r0c4
3s0qc0C3		484ND02	7 A/S	484444qN44	482, 92	29180
3u2126C3		484220	7 A/S	48441qc9	080, 4	Nr11,
BC24qcC3		48004,	7 A/S	4844444c444	4844q24c	c4N84
Ba1991OR		084q6	7 A/S	48402, 4	48 , 6,	60rcc4
BeNDN4CR		18444	7 A/S	484NDq,	486664	09, r144
7 aND9qCR		082, 6	7 A/S	48446, ND	48 420	1qrN84
7 d22, 9C3		089N	7 A/S	48449N81	48N116	02r, q4
7 M22q, C3		48426,	7 A/S	48444cc14	482N21	Nr1c0
7 t2, 66C3		4841, N	7 A/S	48444NN4	480q6	09r424
7 uN26NC3		484941c	7 A/S	4844466c4	08912	0, rN, 4
Fe29ccCR		08619	7 A/S	484064c	48c6c2	, , r9, 4

Published: 6/2/2401 1:40:92P5

Pa_e 0 M 9N

Std 1

5 eAAMl o ame: K, 404-2400

5 eAAMl RevisiMh: OrN0,

3nalsAo ame: E35

3D uite g aAe: 6/2/2401 c:9N4c35

Sample Type: SAndatd

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
KO6, , 1CR		48NN0	7 A/S	484406c9	48N, 6	24rN14
Li, 646CR		48N10,	7 A/S	48442042	48 09N	0N4N4
5 _2429C3		481c41	7 A/S	48440944	48V49c	1r441
5 n296, CR		48NN6c	7 A/S	48440c62	48qN9	02rqc4
5 M2424C3		480c94	7 A/S	48440qc0	48c, cq	0r9c2
o a9qc9CR		08 N2	7 A/S	4840NN6	48j0c4	, 2r2, 4
o i2N0, C3		480cc9	7 A/S	48444N664	480qc4	0r, 2c
Pb224NC3		480002	7 A/S	48444N, 24	48V29,	c468
Sb24, qC3		484N699	7 A/S	4844441N44	48009,	N4, 8
Se0c, 4C3		4840c0c	7 A/S	484440, 24	48j1N6	09, 8
Si290, CR		4810q9	7 A/S	484409q0	48V66q	09rc64
Sn0qccC3		48416, ,	7 A/S	4844449c44	4802N0	Nqc80
St1209CR		28044	7 A/S	4840, 0N	48c, q2	q4r004
TiNN1cC3		4804qc	7 A/S	4844496N4	4802, ,	N9r2q4
Ti0c4qC3		484112N	7 A/S	4844440N44	4842q90	N, 08
VC2c21C3		4849Nq4	7 A/S	48444Nc94	48N94	06r1N4
Zn24, 2C3		482qN1	7 A/S	48444c2q4	48V269	2rN01
YQN, 44CR		Nqr094	7 A/S	02, 8 c	48NN204	Nqr094
YC221NC3		qr0, 18	7 A/S	068q04	4820q01	qr0, 18
YQN, 44C3		N21r424	7 A/S	qN, 8c	4829q0c	N21r424

ICV

5 eAAMl o ame: K, 404-2400

5 eAAMl RevisiMh: OrN0,

3nalsAo ame: E35

3D uite g aAe: 6/2/2401 c:96:N935

Sample Type: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3 _N2q4C3		14c8	u_/L	2824	48124	cr0q9
3Inc, 0CR		04r0N4	u_/L	648 4	48 c, c	02r6c4
3s0qc0C3		14081	u_/L	282N	48 2q,	0418
3u2126C3		Nq8	u_/L	q8 1c	282,	0rN, 9
BC24qcC3		1008	u_/L	48 401	4801, N	N6c8q
Ba1991CR		1028	u_/L	N8V4,	48q421	N4r494
BeN0N4CR		1008	u_/L	N8019	48c, Nc	, 9r064
7 aN09qCR		04r0, 4	u_/L	04N8	08420	0crq64
7 d22, 9C3		1048	u_/L	48041	4842, cN	9r2c9
7 M22q, C3		10181	u_/L	48N040	48461q1	0r169
7 t2, 66C3		1068	u_/L	080c4	482q94	, rN, c
7 uN26NC3		1018	u_/L	480260	484N4, 9	, rcN4
Fe29ccCR		04r094	u_/L	04, 8	0841,	26r144
KO6, , 1CR		0N114	u_/L	0N98	0844c	00r494
Li, 646CR		Nc80	u_/L	N8 4q	48c410	9r2N9
5 _2429C3		04r204	u_/L	9189	48N12	0r, , 1
5 n296, CR		1008	u_/L	18 c1	080Nc	9rN61
5 M2424C3		10q8	u_/L	4841q0	4806qc	, 6c80
o a9qc9CR		04r464	u_/L	9q809	480669	29r104
o i2N0, C3		10q8	u_/L	482644	48, 194	, c18
Pb224NC3		10q8	u_/L	48q914	48414	Nq, 8
Sb24, qC3		1048	u_/L	08qN9	481169	02q8N
Se0c, 4C3		1028	u_/L	2806,	48261	, , 8c
Si290, CR		cr6c4	u_/L	00N8	080, 0	, rN12
Sn0qccC3		Nc68	u_/L	4844cN	4804N0	0968q
St1209CR		1098q	u_/L	28 61	48 1NN	NNr, , 4
TiNN1cC3		1018N	u_/L	0812c	48N194	01rqN4
Ti0c4qC3	W	1268	u_/L	4822q9	4849N19	09, 8
VC2c21C3		1068	u_/L	482N4	4806N2	6rNc4
Zn24, 2C3		1008	u_/L	08066	48qN2	c648
YQN, 44CR		Nqr, 2q	7 A/S	29q8 1	48 , c99	Nqr, 2q

ICV

5 eA_MM_I o ame: K, 404-2400

5 eA_MM_I RevisiMh: 0rN0,

3nalySAo ame: E35

3D uite g aA: 6/2/2401 c:96:N935

Sample Type: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
YC221NC3		qrN0, 8N	7 A/S	482, 11	484q6N94	qrN0, 8N
YCN, 44C3		N2qrc24	7 A/S	64189,	4820124	N2qrc24

ICB

5 eA_MM_I o ame: K, 404-2400

5 eA_MM_I RevisiMh: 0rN0,

3nalySAo ame: E35

3D uite g aA: 6/2/2401 04:42:4135

Sample Type: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		-48009q	u_/L	482614	2N, 8	-080N
3INc, 0CR		-N8q00	u_/L	28q, 6	6921	-068N6
3s0qc0C3		28q14	u_/L	08040	918q4	48cqnN
3u2126C3		48N210	u_/L	480112	118q c	N810N
BC24qcC3		48 6q6	u_/L	48N960	928 2	N801N
Ba1991CR		48211N	u_/L	48q694q	N48N	968N0
BeN0N4CR		48q6N60	u_/L	48q0, , 6	228 0	-2c86c
7aN09qCR		48cNN9	u_/L	08 42	0608	-908q2
7d22, 9C3		48q, N2c	u_/L	48q1006	, 98q1	-08N60
7M22q, C3		-48q0010	u_/L	48q2M19	2498	286N,
7t2, 66C3		48N92	u_/L	48029c	N68q	048,
7uN26NC3		48 212	u_/L	48N196	998Nc	q68q
Fe29ccCR		048q,	u_/L	486, N0	689q1	, c892
KO6, , 1CR		, 86c2	u_/L	N8c9,	9q829	-N1869
Li, 646CR		48q6qq	u_/L	289Nc	2qq8c	-Nc894
5_2429C3		082, 9	u_/L	, 84N	90N8c	-N8q46
5n296, CR		48N, 11	u_/L	489, 0N	0918q	08Nc,
5M2424C3		18020	u_/L	48q22q	0c8c,	c8q44
o a9qc9CR		, 8q9	u_/L	N862,	9180N	1480
oi2N0, C3		48q4qc	u_/L	48q4994c	086qN	08qN2
Pb224NC3		-4800c1	u_/L	4802N4	04N8q	-08Nq,
Sb24, qC3		48221q	u_/L	48q1411	068c c	4889N1
Se0c, 4C3		18cN	u_/L	28q6	108q4	08296
Si290, CR		48 144	u_/L	28c02	1998q	24802
Sn0qccC3		482, 64	u_/L	48qcc	0qN89	48q4c
St1209CR		48q, 1c0	u_/L	48q, N2c	c6892	-00480
TiNN1cC3		48qNc	u_/L	48q0, 2,	08q0c	0c8q c
Ti0c4qC3		-48N4N2	u_/L	082, 6	1068q	-0826,
VC2c21C3		-480N0,	u_/L	4800c1	c481	08 21
Zn24, 2C3		-48q1N4	u_/L	48009q	0N68N	48N6c
YCN, 44CR		Nqr6q,	7 A/S	29q89c	48 , , 64	Nqr6q,
YC221NC3		qr14, 8	7 A/S	08q002	48q20919	qr14, 8
YCN, 44C3		NN, r244	7 A/S	2r, 1N8q	48q, 26	NN, r244

PQL

5 eA_MM_I o ame: K, 404-2400

5 eA_MM_I RevisiMh: 0rN0,

3nalySAo ame: E35

3D uite g aA: 6/2/2401 04:4, :1235

Sample Type: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		048N9	u_/L	48qqqc	48q9cN	2Nc8
3INc, 0CR		N4680	u_/L	28219	486N00	N6N86
3s0qc0C3		q8914	u_/L	48qN949	48q049	28 q4
3u2126C3		0448q	u_/L	N8q2c	N8q49	N8q89
BC24qcC3		908q4	u_/L	48q4c6	48c06	1q8 9
Ba1991CR		98N62	u_/L	480292	28N0	12c80
BeN0N4CR		980,	u_/L	48q1N11	48q1c0	6, 989
7aN09qCR		04N80	u_/L	286c6	28602	01q8c
7d22, 9C3		9822N	u_/L	48qNq0c	486N0N	, 98cN
7M22q, C3		048q c	u_/L	48q1444	48q02	148q,

PQL

5 eAMM o ame: K, 404-2400

5 eAMM RevisiMh: 0rND,

3nalySAo ame: E35

3D uite g aA: 6/2/2401 04:4, :1235

Sample Type: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
7t2, 66C3		0486,	u_/L	481411	N89c	06N82
7uN26NC3		26892	u_/L	4819q4q	482004	91280
Fe29ccCR		0498N	u_/L	2892,	289c	N2189
KO6, , 1CR		0r4, 1	u_/L	22812	2804q	qN186
Li, 646CR		cc8 ,	u_/L	48144c	48144c	0r2, 1
5_2429C3		00281	u_/L	289c0	28N4,	01861
5 n296, CR		98NN2	u_/L	481, 210	08060	, 98c9
5 M2424C3		00801	u_/L	480692	0806N	2481q
o a9qc9CR		0r4, ,	u_/L	248NN	08c46	2r, cq
o i2ND, C3		048c2	u_/L	4810664	480, 24	0q8q2
Pb224NC3		18 NN	u_/L	48 912	01802	N81q0
Sb24, qC3		q89N9	u_/L	4811q19	489, 66	28 6q
Se0c, 4C3	W	028NN	u_/L	289q	0, 8 c	281N
Si290, CR		0qq80	u_/L	281N1	08c1	0148
Sn0qccC3		04, 8N	u_/L	4891qc	480, N	1N80,
St1209CR		048c	u_/L	4812211	4820q0	6068c
TiNN1cC3		09816	u_/L	4810q60	48024c	99N81
Ti0c4qC3		098qc	u_/L	48164c9	4811, ,	186, 0
VC2c21C3		048N4	u_/L	4821N2	28N, 0	0c081
Zn24, 2C3		248Nq	u_/L	4806c6	481q20	1c80N
YQN, 44CR		Nqr16q	7 A/S	cc28N2	2896qc	Nqr16q
YC221NC3		qr14481	7 A/S	008110	480N, 24	qr14481
YQN, 44C3		NN, r2q4	7 A/S	N6c8 6	48002c4	NN, r2q4

LRS1

5 eAMM o ame: K, 404-2400

5 eAMM RevisiMh: 0rND,

3nalySAo ame: E35

3D uite g aA: 6/2/2401 04:00:0c35

Sample Type: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3	W	2r004	u_/L	N48N	08116	19r244
3Inb, 0CR		-1q81	u_/L	6800c	018q2	20c8q
3s0qc0C3	W	20r044	u_/L	N08c	4801qN	9r04q
3u2126C3	W	20r144	u_/L	Nq8 4	480q4N	64r2, 4
BC24qcC3	W	20r4q4	u_/L	181, 2	481200,	06r, N4
Ba1991CR		0crq04	u_/L	Nc8c4	482401	0r12N444
BeNDN4CR		0cr994	u_/L	9N81,	482601	N49N444
7 aND9qCR		Nq82,	u_/L	48c211	2810,	-228N2
7 d22, 9C3		24r0q4	u_/L	028q	481, 4q6	211r444
7 M22q, C3		24rcN4	u_/L	680, 9	481N12N	, cr644
7t2, 66C3		24rc, 4	u_/L	1N28q	281, 9	N41r444
7uN26NC3	W	20r014	u_/L	, 128	N8114	NN2r644
Fe29ccCR		-68040	u_/L	4814N9	98 q2	228 9
KO6, , 1CR		0286c	u_/L	0q86c	01, 8q	-2c80q
Li, 646CR	W	0qrqc4	u_/L	29c82	08N6N	21, r944
5_2429C3		-20486	u_/L	08N29	48 2qc	, 228q
5 n296, CR		24r6c4	u_/L	02081	489qN6	2, 6r944
5 M2424C3	W	9rN40	u_/L	0q8q	48N100	qr419
o a9qc9CR		N 8c,	u_/L	98N4	0, 8q9	00180
o i2ND, C3		24r614	u_/L	2c80q	480146	N2r2, 4
Pb224NC3	W	20rN14	u_/L	20816	481cq6N	0qr964
Sb24, qC3		24rc64	u_/L	q80q4	481Nc40	, r0N9
Se0c, 4C3	W	20r104	u_/L	, 8c0	481N2, 9	N0c0
Si290, CR		-4896cN	u_/L	489414	q6814	6486,
Sn0qccC3		24r994	u_/L	N, 80	48066,	6r, 21
St1209CR		0cr6q4	u_/L	04482	4894, 6	0r9qN444
TiNN1cC3		24r0N4	u_/L	N1q8N	08N4	, q, r244
Ti0c4qC3		24r644	u_/L	98c04	4812q99	6r0, 0

LRS15 eA_MM o ame: K, 404-24005 eA_MM RevisiMh: 0rN0,

3nalySAo ame: E35

3D uite g aA: 6/2/2401 04:00:0c35

Sample Type: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
VC2c21C3		24r164	u_/L	N108	08 64	N1, rq44
Zn24, 2C3		0crq04	u_/L	0N82	48, 96N	1N694
YQN, 44CR		Nqr4, c	7 A/S	0, q80c	4810q0	Nqr4, c
YC221NC3		6r6c98q	7 A/S	, 8, 62	484q992N	6r6c98q
YQN, 44C3		N0N024	7 A/S	9r4698l	08 24c	N0N024

LRS25 eA_MM o ame: K, 404-24005 eA_MM RevisiMh: 0rN0,

3nalySAo ame: E35

3D uite g aA: 6/2/2401 04:0, :2, 35

Sample Type: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		48242	u_/L	0844	2008l	-0rNc2
3INc, 0CR		94qr644	u_/L	02rN94	28l2q	, 00r944
3s0qc0C3		0c896	u_/L	18c9	2N8lq	N8c9
3u2126C3		22890	u_/L	08q66	q8N14	02086
BC24qcC3		, 86qN	u_/L	48496	048l4	q846c
Ba1991CR		0, 891	u_/L	4841N2,	482, 09	0r0q,
BeN0N4CR		28 69	u_/L	48499q6	284qq	N 28
7 aN09qCR		161r644	u_/L	0r91,	48296	qq6r044
7 d22, 9C3		28 4c	u_/L	48422	2, 8:0	0q, 8
7 M22q, C3		08, 2	u_/L	48NNq	2484c	00801
7 t2, 66C3		48 214	u_/L	481NN9	, c8l6	0q8q1
7 uN26NC3		-48909	u_/L	48N1q4	1, 8N0	00284
Fe29ccCR	W	2NNq44	u_/L	9r92c	28N, 9	, 44r144
K06, , 1CR		N41rq44	u_/L	N4q6	0840N	2Ncrq44
Li, 646CR		0686,	u_/L	48121N	28Nc4	06986
5_2429C3	W	0qNN44	u_/L	N2, 84	48066c	2, r1c4
5 n296, CR		008:4	u_/L	48026	48:1, c	06, 8
5 M2424C3		2480,	u_/L	18q06	2N84c	N089
o a9qc9CR		0c2rc44	u_/L	0r62N	484c2c	1, Nr, 44
o i2N0, C3		N8Nq,	u_/L	4840901	48l162	-0, 8Nq
Pb224NC3		08 c,	u_/L	48:00N	9N861	-1082N
Sb24, qC3		, 82c4	u_/L	48:141	018:9	, 8010
Se0c, 4C3		21846	u_/L	684q	N28l1	984q1
Si290, CR		94r904	u_/L	qN686	08 9q	N0r044
Sn0qccC3		c8422	u_/L	48, 4q	68N21	N86q9
St1209CR		18 14	u_/L	4809q1	N8l01	21c8q
TiNN1cC3		21896	u_/L	0844	18q1	69680
Ti0c4qC3		280c0	u_/L	48 42q	26892	-08lq2
VC2c21C3		28446	u_/L	48l114	09842	9980,
Zn24, 2C3		N84c4	u_/L	48202c	98l61	q862,
YQN, 44CR		N, rq21	7 A/S	N0080	48419c9	N, rq21
YC221NC3		6r12c84	7 A/S	, 8l, 92	484q6426	6r12c84
YQN, 44C3		2q6r294	7 A/S	N42, 80	0849N9	2q6r294

ICSA5 eA_MM o ame: K, 404-24005 eA_MM RevisiMh: 0rN0,

3nalySAo ame: E35

3D uite g aA: 6/2/2401 04:29:9235

Sample Type: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		48 2Nc	u_/L	4846, 46	0280c	-0r009
3INc, 0CR		1q, r944	u_/L	qrc62	08411	9qN244
3s0qc0C3		28cN	u_/L	184N	0N80	486ccq
3u2126C3		01800	u_/L	4840c,	98446	q18l,
BC24qcC3		0840	u_/L	48N646	2086c	N8lN,
Ba1991CR		48N442	u_/L	482N90	6q8N0	9q801
BeN0N4CR		484142N	u_/L	48416q0	00q8q	-N894

ICS A

5 eA Ml o ame: K, 404-2400

5 eA Ml RevisiMh: 0rN0,

3 naly sAo ame: E35

3D uite g aA: 6/2/2401 04:29:9235

Sample Type: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
7 aN09qCR		1, N, 44	u_/L	6918	480, 2q	q, Nq44
7 d22, 9C3		0809,	u_/L	4844N, 60	48N066	0N, 8
7 M22q, C3		-48c2N1	u_/L	482qqc	N08q	280c
7 t2, 66C3		-480446	u_/L	481c4q	1q68l	q849q
7 uN26NC3		-48c6c,	u_/L	48N621	Nq840	0008
Fe29ccCR		0q, r044	u_/L	N686	484240c	16, r944
KO6, , 1CR		0NN82	u_/L	2c8,	228N1	, , 8c
Li, 646CR		0N89q	u_/L	48 9Nc	1840N	0228
5 _2429C3		114r044	u_/L	2N816	48449NN2	, N4N4
5 n296, CR		-48006N	u_/L	48N40	19280	248,
5 M2424C3		482660	u_/L	48444cNc4	48N4q	28N64
o a9qc9CR		00, 8c	u_/L	0, 84	018N6	N408
o i2N0, C3		-48N2, 2	u_/L	480, 02	06284	-068c
Pb224NC3		-482q66	u_/L	4846N0	N4N8	-10840
Sb24, qC3		-48c, c	u_/L	N81q1	1N682	18069
Se0c, 4C3		48 2, 4	u_/L	N8 q1	9qq8l	28N04
Si290, CR		489q6q	u_/L	, 809	0r04q	0N84
Sn0qccC3		N8c4	u_/L	484, c90	081,	08c41
St1209CR	W	N812c	u_/L	482N4	N89qq	0998
TiNN1cC3		N8 04	u_/L	48241N	98 96	0428N
Ti0c4qC3		48, c6	u_/L	N8024	1498N	-08466
VC2c21C3		48N41N	u_/L	482q, 4	61810	068c6
Zn24, 2C3		08162	u_/L	48N6q2	2984	N89c6
YON, 44CR		N, r609	7 A/S	N8061,	4844q, 1, 4	N, r609
YC221NC3		6rN, 48	7 A/S	0186c	480cq4q	6rN, 48
YON, 44C3		2c4r2N4	7 A/S	, 1N8 0	482206,	2c4r2N4

ICSAB

5 eA Ml o ame: K, 404-2400

5 eA Ml RevisiMh: 0rN0,

3 naly sAo ame: E35

3D uite g aA: 6/2/2401 04:N4:1135

Sample Type: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3 _N2q4C3		2268N	u_/L	08 cN	48116	NN86
3 INc, 0CR		1qqN44	u_/L	NN9c	48 q6c	9qNc44
3s0qc0C3		04284	u_/L	28044	2849q	2N81c
3u2126C3		99, 8	u_/L	N80N6	480, 10	0r6, 6
BC24qcC3		1c48N	u_/L	08NN	489N9	1448
Ba1991CR		92N8N	u_/L	08:16	48N620	N, r064
BeN0N4CR		92c8	u_/L	480N61	48429c,	6cr1c4
7 aN09qCR		1, 2rq44	u_/L	, r60c	08192	q9crc44
7 d22, 9C3		c9682	u_/L	98066	48014q	00r464
7 M22q, C3		16480	u_/L	48:192	482400	0r1q,
7 t2, 66C3		9408	u_/L	08 cq	48N41	, r, 21
7 uN26NC3		9N18	u_/L	N8916	48 , NN	6r662
Fe29ccCR		0q2r144	u_/L	0r1Nq	486qq,	1, 9r644
KO6, , 1CR		20r664	u_/L	0, 684	48, 6N	0, rcc4
Li, 646CR		92N8	u_/L	18412	486624	, r92,
5 _2429C3		1N2r644	u_/L	0, 28N	484N692	, 2r044
5 n296, CR		90981	u_/L	18:09	48:9N,	, rNc6
5 M2424C3		1, 28	u_/L	98 cq	08N2	, , , 8N
o a9qc9CR		24rN14	u_/L	0N68c	48 666	1qr, N4
o i2N0, C3		c1480	u_/L	486q,	484, 099	0rN, q
Pb224NC3		16814	u_/L	48:NN2	08c, c	-N8112
Sb24, qC3		, 0q8	u_/L	284N9	48N2qc	0698
Se0c, 4C3		90840	u_/L	4844, 114	48402, 2	c8Nc6
Si290, CR		2r409	u_/L	989q	482q96	0r294
Sn0qccC3		1908N	u_/L	08021	4821c0	09c84

ICSAB

5 eAMM o ame: K, 404-2400

5 eAMM RevisiMh: 0rND,

3nalsAo ame: E35

3D uite g aA: 6/2/2401 04:N:1135

Sample Type: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
St1209CR		1c, 8	u_/L	28N6	4890c	Nqr4q4
TiNN1cC3		9408	u_/L	48q14	48064N	09r9N4
Tl0c4qC3		cN814	u_/L	48q421	48q9c0	2q8c
VC2c21C3		90, 8	u_/L	08c	48N1q0	6rc21
Zn24, 2C3		c1, 8	u_/L	98, 1	48q6c	0rc6c
YCN, 44CR		N, r, 01	7 A/S	0NN819	48N, N14	N, r, 01
YC221NC3		6rN698	7 A/S	0, 81,	4820696	6rN698
YCN, 44C3		2q1r9, 4	7 A/S	0r2ND8	481N2, 6	2q1r9, 4

CCV

5 eAMM o ame: K, 404-2400

5 eAMM RevisiMh: 0rND,

3nalsAo ame: E35

3D uite g aA: 6/2/2401 04:N9:2c35

Sample Type: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		9018	u_/L	28, N	48140N	00r294
3INc, 0CR		02r1c4	u_/L	0498N	48q1N4	09rc44
3s0qc0C3		1c28q	u_/L	28q10	486, 9	02, 8
3u2126C3		1c98q	u_/L	68, 4	08 49	0r626
BC24qcC3		1cc8	u_/L	08c0	4829qN	1968
Ba1991CR		1c18q	u_/L	98 42	080N2	N, rN64
BeNDN4CR		9448	u_/L	98, 0	081N2	6crq44
7 aND9qCR		02r104	u_/L	, q8q	48990	21r164
7 d22, 9C3		1c, 8	u_/L	48262	4804, 2	, rN99
7 M22q, C3		9428	u_/L	481N91c	481464, 6	0r662
7 t2, 66C3		9498	u_/L	486c6	480912	6r92N
7 uN26NC3		94, 8N	u_/L	081N2	48N, 0q	qr214
Fe29ccCR		02r964	u_/L	09N8	0822	N1r0q4
KO6, , 1CR		02r964	u_/L	, c8 6	48912	04r124
Li, 646CR		1qq8	u_/L	18Nq	48q164	, r164
5 _2429C3		02r664	u_/L	2c810	482260	2r4, 1
5 n296, CR		9428	u_/L	1814	48c42,	, r, 01
5 M2424C3		9428	u_/L	2810c	481q0q	q4q8
o a9qc9CR		02r294	u_/L	9181N	481100	NDr014
o i2ND, C3		9418	u_/L	48 N1c	48029q	qN481
Pb224NC3		94N8N	u_/L	482, 1q	48192, 2	1, 48q
Sb24, qC3		1c, 8q	u_/L	0822N	4821, 2	09N8
Se0c, 4C3		1cN8q	u_/L	98q, 2	080q6	6q8N
Si290, CR		02r9N4	u_/L	q186	48 61q	qr06q
Sn0qccC3		9428	u_/L	48261	4811922	0c68
St1209CR		1c08	u_/L	180c	48c9cN	14r0, 4
TiNN1cC3		94q8N	u_/L	08q9q	48N, 99	06r6, 4
Tl0c4qC3		9468	u_/L	08Nc	482110	0q18
VC2c21C3		94q8	u_/L	48N1, q	48, q2,	qr669
Zn24, 2C3		1c28q	u_/L	486c6c	480, 0c	0r092
YCN, 44CR		NqrcN2	7 A/S	09681N	48141N6	NqrcN2
YC221NC3		qr2198	7 A/S	04820	4821N2	qr2198
YCN, 44C3		N24rc04	7 A/S	6Nc8N0	48N4Nq	N24rc04

CCB

5 eAMM o ame: K, 404-2400

5 eAMM RevisiMh: 0rND,

3nalsAo ame: E35

3D uite g aA: 6/2/2401 04:Nc:9, 35

Sample Type: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		4810qq,	u_/L	4816qc1	10q86	08169
3INc, 0CR		2281q	u_/L	N810,	0N8 ,	09801
3s0qc0C3		N8c1	u_/L	481N9c	2N82,	08Nq2
3u2126C3		48ND01	u_/L	48910	0418N	1829

CCB

5 eAmM o ame: K, 404-2400

5 eAmM RevisiMh: OrN0,

3nalsAo ame: E35

3D uite g aA: 6/2/2401 04:Nc:9, 35

Sample Type: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
BC24qcC3		289c0	u_/L	48Nq94	018q,	18q, 9
Ba1991CR		480104	u_/L	482N2c	0, 982	1q864
BeN0N4CR		484c161	u_/L	48492NN	9982N	-298:2
7 aN09qCR		N0824	u_/L	284c1	, 802	q8N66
7 d22, 9C3		480140	u_/L	4840900	0486q	-48N9c2
7 M22q, C3		-480106	u_/L	4804q,	6, 8 9	2829c
7 t2, 66C3		4804c6	u_/L	480446	c08q4	6824N
7 uN26NC3		484c90	u_/L	489q9,	01q82	q28 q
Fe29ccCR		2080N	u_/L	489qNq	28, N	c68N,
KO6, , 1CR		118:cq	u_/L	248q9	1, 8N6	-N8440
Li, 646CR		0812c	u_/L	08 2N	00N8	-N081N
5 _2429C3		16826	u_/L	c84Nq	0c802	N840
5 n296, CR		48N2N4	u_/L	480N4q	1481c	48q4cN
5 M2424C3		982cc	u_/L	48q901	0, 846	048q6
o a9qc9CR		2c846	u_/L	2804,	6821,	c1820
o i2N0, C3		480169	u_/L	48N110	2NN8N	48896,
Pb224NC3		-489qq9	u_/L	482, 4,	1182q	-08660
Sb24, qC3		48:NN9	u_/L	48 6, q	62804	48626
Se0c, 4C3		981, N	u_/L	N822q	9c84q	08N2,
Si290, CR		286qq	u_/L	, 8 26	2N686	20849
Sn0qccC3		480cc0	u_/L	48N2, 2	0, N8:	481cq
St1209CR		-480, 6,	u_/L	480041	, 98:0	-02, 81
TiNN1cC3		080N	u_/L	480290	00842	2686c
Tl0c4qC3		-480q9q	u_/L	4820cN	00q84	-0822,
VC2c21C3		480N42	u_/L	484c2, q	6080c	, 8222
Zn24, 2C3		48016,	u_/L	484104q	268q2	48:1, 9
YCN, 44CR		N6rc, 6	7 A/S	02284	48N22Nq	N6rc, 6
YC221NC3		qrN, 08	7 A/S	c84q1q	4804q, 9	qrN, 08
YCN, 44C3		NN1r414	7 A/S	N49q8N	48:0999	NN1r414

PBWHF24ICW1

5 eAmM o ame: K, 404-2400

5 eAmM RevisiMh: OrN0,

3nalsAo ame: E35

3D uite g aA: 6/2/2401 04:11:N935

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3 _N2q4C3		480cc,	u_/L	48000,	998:2	986qq
3 INc, 0CR		00896	u_/L	0869	098N1	08:96
3 s0qc0C3		08 99	u_/L	482c, 4	068q	48q60
3 u2126C3		-481N26	u_/L	0846q	21c82	48N69
BC24qcC3		18442	u_/L	482, c9	, 8N2	, 84, N
Ba1991CR		484014c	u_/L	480422	6r291	Nc864
BeN0N4CR		-4846N41	u_/L	48449N, 2	6N810	-128q4
7 aN09qCR		0080q	u_/L	48q1q6	689c4	-N48:c
7 d22, 9C3		4840c90	u_/L	484NNcc	0r61N	-280cN
7 M22q, C3		-480001	u_/L	480, Nq	01684	28Nq9
7 t2, 66C3		-481, 21	u_/L	480cN4	1081	-08, q
7 uN26NC3		48 1qq	u_/L	48N4c0	168 9	q, 8q9
Fe29ccCR		-2844N	u_/L	08496	928q0	N6842
KO6, , 1CR		-084, 9	u_/L	0684q	0r, 41	-1081c
Li, 646CR		28 01	u_/L	48014,	98N6q	-0, 8N6
5 _2429C3		0q84N	u_/L	680q1	Nc8q1	-084q9
5 n296, CR		481qN0	u_/L	4809, 4	N282q	28:2q
5 M2424C3		08 9c	u_/L	480009	, 800q	18:ccq
o a9qc9CR		1N8:2	u_/L	0841q	28Nq9	0N181
o i2N0, C3		-48219	u_/L	484N106	, 809	-48N620
Pb224NC3		-484cc	u_/L	0849,	24682	-08602
Sb24, qC3		48q100	u_/L	482, 1N	N081N	481c4

PBWHF24ICW15 eA_MM₀ o ame: K, 404-24005 eA_MM₀ RevisiMh: 0rN0,

3nalySAo ame: E35

3D uite g aA: 6/2/2401 04:11:N935

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Se0c, 4C3		N89q	u_/L	480N0N	N8, 0	081N6
Si290, CR		, 8c9	u_/L	280, q	N48c	218N2
Sn0qccC3		48N64	u_/L	4820c,	9q821	4812c6
St1209CR		-480N, 2	u_/L	48126, c	248N1	-02680
TiNN1cC3		4806q4	u_/L	480cN9	04q86	-681qq
Ti0c4qC3		480qc4	u_/L	0801	c4, 8c	-081cc
VC2c21C3		-482, N6	u_/L	48192qN	2481N	-48N9c2
Zn24, 2C3		48090N	u_/L	480c4q	02, 80	48c, 6N
YQN, 44CR		Nqrc94	7 A/S	N11866	481q906	Nqrc94
YC221NC3		qr19980	7 A/S	48N4904	4814N, 4q4	qr19980
YQN, 44C3		NNN694	7 A/S	2rN1N81	484226	NNN694

LCSWHF24ICW15 eA_MM₀ o ame: K, 404-24005 eA_MM₀ RevisiMh: 0rN0,

3nalySAo ame: E35

3D uite g aA: 6/2/2401 04:1c:0935

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		948N6	u_/L	481qN6	48c, 40	0r0N1
3InC, 0CR		2r401	u_/L	0689c	4816N1	2r991
3s0qc0C3		c, 814	u_/L	08196	08cN9	298N6
3u2126C3		-48 416	u_/L	482c, c	1c804	08c16
BC24qcC3		1c982	u_/L	481q064	4810, 94	19481
Ba1991CR		0rcc,	u_/L	2181,	0821,	019rc44
BeNDN4CR		90819	u_/L	489, 4q	081cq	qr496
7aN09qCR		2r164	u_/L	N081c	082c0	1rq46
7d22, 9C3		29489	u_/L	482000	481q12,	N2N0
7M22q, C3		94, 89	u_/L	4802c	48040N	0rq4N
7t2, 66C3		2448c	u_/L	081c,	48c114	N4q9
7uN26NC3		2928	u_/L	28111	0802,	1r2, 1
Fe29ccCR		0r402	u_/L	09816	081qq	2r6q4
K06, , 1CR		crc69	u_/L	, 1812	48 10q	qr22N
Li, 646CR		1q98c	u_/L	18004	48119q	, r14c
5_2429C3		9r4, 2	u_/L	N8114	481, 449	qNN81
5n296, CR		9008N	u_/L	9821c	0812,	, r, c9
5M2424C3		N4N8	u_/L	289cc	4819, 0	1cN8c
o a9qc9CR		6r4N0	u_/L	, 48c,	481, 12	06rq04
o i2N0, C3		9008c	u_/L	08121	482444	q9486
Pb224NC3		04480	u_/L	08201	0820N	c08N2
Sb24, qC3		cc812	u_/L	481q62	481c44	N481c
Se0c, 4C3		0408N	u_/L	181, 6	18141	0, 89,
Si290, CR		1rc1q	u_/L	998 6	08029	N22q
Sn0qccC3		92289	u_/L	4821c	480449	24689
St1209CR		90980	u_/L	, 892	082NN	10rqq4
TiNN1cC3		16q86	u_/L	98144	0802q	06r224
Ti0c4qC3		cq822	u_/L	481q96	481c26	N18c0
VC2c21C3		94280	u_/L	98141	0819,	qrcc4
Zn24, 2C3		1c986	u_/L	48c22c	480q, 2	0r064
YQN, 44CR		Nqr6, c	7 A/S	, , 81, 9	480600q	Nqr6, c
YC221NC3		qrN2482	7 A/S	0N81qc	480, 96N	qrN2482
YQN, 44C3		NN4r, q4	7 A/S	Nrc0N89	080qN9	NN4r, q4

SH4521-0025 eA_MM₀ o ame: K, 404-24005 eA_MM₀ RevisiMh: 0rN0,

3nalySAo ame: E35

3D uite g aA: 6/2/2401 04:9N1, 35

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		-481, 4, ,	u_/L	4812c14	1q816	-98 qq

SH4521-002

5 eA/Ml o ame: K, 404-2400

5 eA/Ml RevisiMh: 0rND,

3nalsAo ame: E35

3D uite g aA: 6/2/2401 04:9N1, 35

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3INc, 0CR		, 168	u_/L	6860	082N0	q498N
3s0qc0C3		48q, 6c	u_/L	48610q	q9816	48, , 2
3u2126C3		08426	u_/L	48N629	N 826	, 8244
BC24qcC3		04861	u_/L	48401	18, c	02849
Ba1991CR		q81N1	u_/L	4849461	48 40,	, 918
BeNDN4CR		48412, 2	u_/L	4844, 10q	0984,	-N 89,
7 aND9qCR		, r066	u_/L	N480	481c60	02r464
7 d22, 9C3		4800q,	u_/L	48449066	18N 9	-4841q, N
7 M22q, C3		48211,	u_/L	48201c	q68q6	N86c4
7 t2, 66C3		08N, N	u_/L	484290,	08q1,	2, 8 0
7 uN26NC3		286q,	u_/L	4844ND1N	48002q	02086
Fe29ccCR		6, , 82	u_/L	04840	08446	2r04c
KO6, , 1CR		0r4c1	u_/L	0q8 9	0841	q, 180
Li, 646CR		08cq0	u_/L	480419	98269	-218 ,
5 _2429C3		2r01c	u_/L	q801N	48N6qc	N118:
5 n296, CR		9N869	u_/L	48000N	482460	, cc80
5 M2424C3		189N2	u_/L	48 220	0N86N	c89cc
o a9qc9CR		cr0q9	u_/L	c084c	48c06	2N204
o i2ND, C3		4822cq	u_/L	48ND04	21862	08NDN
Pb224NC3		-482, Nc	u_/L	48N6N1	01089	-0841
Sb24, qC3		48cq94	u_/L	48Nc, 9	1482,	48 44q
Se0c, 4C3		N8:14	u_/L	080q6	N480N	084q1
Si290, CR		6r6cN	u_/L	q282	0849,	9r496
Sn0qccC3		482q9,	u_/L	48 0Nc	20984	486q21
St1209CR		2, 822	u_/L	48126q	08 NO	2r40q
TiNN1cC3		0c80,	u_/L	482N64	082N6	, q084
Ti0c4qC3		482, , q	u_/L	480126	9N81c	-084c1
VC2c21C3		084ND	u_/L	48NN2	228 2	22802
Zn24, 2C3		N84N4	u_/L	484Nc04	082c4	686, N
YQN, 44CR		Nqr, 66	7 A/S	198624	4800q20	Nqr, 66
YC221NC3		qrN1N84	7 A/S	08c241	4842N40q	qrN1N84
YQN, 44C3		NN2rq94	7 A/S	2rq280	48q, 9qq	NN2rq94

SH4521-003

5 eA/Ml o ame: K, 404-2400

5 eA/Ml RevisiMh: 0rND,

3nalsAo ame: E35

3D uite g aA: 6/2/2401 04:9q:2135

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		-484qq, 6	u_/L	484N6, c	1284	-484694
3INc, 0CR		018c4	u_/L	28466	0N8:1	, 8064
3s0qc0C3		-48241,	u_/L	48q, 4,	12489	48Nc1c
3u2126C3		-480, , 1	u_/L	48 40q	N 086	08444
BC24qcC3		0481N	u_/L	480, 99	089q6	00861
Ba1991CR		18, c	u_/L	482661	98:1N	N6q89
BeNDN4CR		-484c202	u_/L	4842c1c	N2480	-1289q
7 aND9qCR		, r029	u_/L	qc84q	08191	00rc24
7 d22, 9C3		4842N64	u_/L	48412, 2	06c8q	-084q4
7 M22q, C3		-484cq12	u_/L	48404q,	00841	2814N
7 t2, 66C3		480NNq	u_/L	4846cqN	9c8 9	689qc
7 uN26NC3		2840q	u_/L	481q94	2184N	04c82
Fe29ccCR		686cc	u_/L	284N1	2, 84q	, 28c
KO6, , 1CR		c, , 8N	u_/L	68401	484q6	69981
Li, 646CR		484906	u_/L	4849124	, 8N 1	-Nc81c
5 _2429C3		0rcq,	u_/L	08001	4846, 2,	NDc82
5 n296, CR		108q9	u_/L	4809, ,	48N612	91081
5 M2424C3		28441	u_/L	484N619	081c,	, 8N24
o a9qc9CR		cr449	u_/L	61802	4842ND	22r, , 4

SH4521-0035 eA_MM o ame: K, 404-24005 eA_MM RevisiMh: 0rN0,

3nalySAo ame: E35

3D uite g aA: 6/2/2401 04:9q:2135

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
o i2N0, C3		-48N9q2	u_/L	48Nq4	Nq81	-48qc, N
Pb224NC3		48101	u_/L	4810q4	0N8c	-08q,
Sb24, qC3		08N69	u_/L	48120q4	08q,	48022
Se0c, 4C3		28212	u_/L	N82,	0Nc8	48q4cq
Si290, CR		, r41,	u_/L	60889	080q6	Nrc02
Sn0qccC3		48160,	u_/L	48269,	9q81N	48q9q9
St1209CR		2981	u_/L	48166	486q1	0rc99
TiNN1cC3		-48q02	u_/L	481649q	Nq8c,	-2481N
Tl0c4qC3		-48c20	u_/L	08c4	26q8	-08N2,
VC2c21C3		-480c2,	u_/L	4810294	, 81cN	480c90
Zn24, 2C3		48qc12	u_/L	48q, N2	c8 9N	280q
YQN, 44CR		Nqr92q	7 A/S	N2c8N6	48q91qc	Nqr92q
YC221NC3		qrN, 18N	7 A/S	0, 8199	48c, 61	qrN, 18N
YQN, 44C3		NN0r, , 4	7 A/S	0r62q8	48200q	NN0r, , 4

SH4521-0045 eA_MM o ame: K, 404-24005 eA_MM RevisiMh: 0rN0,

3nalySAo ame: E35

3D uite g aA: 6/2/2401 00:4N4N35

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		-48q4N9	u_/L	4810292	098c	-0180
3INc, 0CR		0r, , 9	u_/L	N8N6	28219	2r460
3s0qc0C3		68 Nq	u_/L	281N	NN84	28141
3u2126C3		482061	u_/L	4821c4	0018	N8, N
BC24qcC3		c8N0,	u_/L	48Nq,	98q2	048,
Ba1991CR		q8c9	u_/L	4819c20	48 9c4	, qq8
BeN0N4CR		480469	u_/L	481N446	268c	-2q8qc
7 aN09qCR		0cr0c4	u_/L	2qc8N	084q	N6r264
7 d22, 9C3		48160, 0	u_/L	4814c1N2	0N86	4822q9
7 M22q, C3		48 N06	u_/L	48qcNc	0189	9814,
7 t2, 66C3		N8Nq	u_/L	4814411c4	4810Nqq	99816
7 uN26NC3		18114	u_/L	481q090	08c, c	0128
Fe29ccCR		0rqc1	u_/L	228 9	080c,	9r04,
KO6, , 1CR		0rN, 6	u_/L	2N82N	0844	0r46c
Li, 646CR		, 812c	u_/L	48N11,	9809	2q86
5_2429C3		2rqq4	u_/L	281N9	48164, 9	1, 28c
5 n296, CR		N18qN	u_/L	48N4,	481c0	11q8
5 M2424C3		0824q	u_/L	48146222	48c6q	180c2
o a9qc9CR		1rcq,	u_/L	Nq8N	48626	02r944
o i2N0, C3		982q	u_/L	481q01,	08161	c81cN
Pb224NC3		08199	u_/L	48c29,	, N8 0	481NN1q
Sb24, qC3		48N4, 9	u_/L	48 qc1	2218c	4814cN
Se0c, 4C3		08q6c	u_/L	08044	9q89	48, 00
Si290, CR		9r109	u_/L	04N82	08c4,	N1qq
Sn0qccC3		-4822q6	u_/L	4816021	N801	48661
St1209CR		1, 81c	u_/L	4819, 2	48qcc	Nr, 40
TiNN1cC3		1, 81	u_/L	482169	48N06	0r, 9c
Tl0c4qC3		48 q00	u_/L	482004	N48c	-481N0
VC2c21C3		28q40	u_/L	481106q	081c0	9186
Zn24, 2C3		q81c4	u_/L	4816649	48c921	0c84
YQN, 44CR		NqrNN0	7 A/S	, c80c1	48q492	NqrNN0
YC221NC3		qrNN48	7 A/S	481402Nq4	481402Nq4	qrNN48
YQN, 44C3		NN4r0N4	7 A/S	2r1N68q	48Nq1N	NN4r0N4

SH4521-0055 eA_MM o ame: K, 404-24005 eA_MM RevisiMh: 0rN0,

3nalySAo ame: E35

SH4521-005

5 eA Ml o ame: K, 404-2400

5 eA Ml RevisiMh: OrND,

3 naly sAo ame: E35

3D uite g aA: 6/2/2401 00:46:1435

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		-48qN	u_/L	48N 9c	0cc8N	-N8N
3INc, 0CR		268N	u_/L	N8c	0280	208q
3s0qc0C3		98N9	u_/L	08, 2	0c8q	08q60
3u2126C3		-4844,	u_/L	08N2	Nq, 8	48444
BC24qcC3		c8, q	u_/L	4840N	2824	0480
Ba1991CR		28N 2	u_/L	48922	, 811	20N8
BeNDN4CR		484066q	u_/L	484064,	c98,	-Nq8 q
7 aND9qCR		0cr024	u_/L	Ncq8	28q1	N6r6N4
7 d22, 9C3		48N2q	u_/L	4840qN2	0N8c	-48, 0c
7 M22q, C3		48N6, 2	u_/L	4849, c4	0908N	28q64
7 t2, 66C3		48c22	u_/L	4846,	998c	q810,
7 uN26NC3		28Nc	u_/L	481cc9	228N	0028
Fe29ccCR		008q,	u_/L	48N2N	18q	6184
KO6, , 1CR		0r044	u_/L	N48 q	28qc	q618
Li, 646CR		18c1	u_/L	284c	, , 806	28q6
5_2429C3		2r10N	u_/L	N860	489, N	Nq, 80
5 n296, CR		08q0	u_/L	48c2,	0, 81N	248,
5 M2424C3		08q60	u_/L	48N2, 6	N48c	N8c9c
o a9qc9CR		1rc41	u_/L	, 484	08N4	02r1c4
o i2N0, C3		N8q1	u_/L	482969	68q12	98q12
Pb224NC3		-48q, 04	u_/L	482, N	01, 8	-08qc
Sb24, qC3		-482cc	u_/L	48462	2N48	48204,
Se0c, 4C3		48469	u_/L	48N 06	qq8,	480N6
Si290, CR		N16c	u_/L	0028	N822	2r2qN
Sn0qccC3		48q6N	u_/L	48cq1	09c8N	48Ncc
St1209CR		198q	u_/L	48 241	08N 0	Nr, 0,
TiNN1cC3		-48qNc	u_/L	484cN	Nq84	-2N89
Tl0c4qC3		-482, 1	u_/L	48 961	0218	-08N11
VC2c21C3		48N 4	u_/L	4844c1, 6	18402	q8 6N
Zn24, 2C3		1842N	u_/L	48N4,	N8216	04846
YCN 44CR		Nqrc19	7 A/S	q, 68N	282, 9	Nqrc19
YC221NC3		qrN498N	7 A/S	0N8N4	489q4c	qrN498N
YCN 44C3		NNrN14	7 A/S	N6c28	0811,	NNrN14

SH4521-006

5 eA Ml o ame: K, 404-2400

5 eA Ml RevisiMh: OrND,

3 naly sAo ame: E35

3D uite g aA: 6/2/2401 00:02:0c35

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		-48qN6	u_/L	48c2c	2098q	-, 8Nq
3INc, 0CR		, 0q8	u_/L	28N0	48N 41	6, q80
3s0qc0C3		0809	u_/L	084q	6N86	48q2q6
3u2126C3		-482N6	u_/L	48c9c1	0qN8	48944
BC24qcC3		048c	u_/L	48c, 2,	48N91	0080
Ba1991CR		68q02	u_/L	4840qN9	48N1c	, 4q8
BeNDN4CR		484106,	u_/L	48440c42	1891	-N 81q
7 aND9qCR		, r2, q	u_/L	q681	08c2	02r214
7 d22, 9C3		482966	u_/L	481Nq4	0, c8	-08Nc
7 M22q, C3		-482q9q	u_/L	4824N4	6048N	28c2
7 t2, 66C3		08Nq	u_/L	48, 9c	028c	298q1
7 uN26NC3		28124	u_/L	4840N01	48126	0098
Fe29ccCR		66, 8	u_/L	068N	28N	2r0N9
KO6, , 1CR		0r4c2	u_/L	N8c2	N8qc	q, 08N
Li, 646CR		08qN	u_/L	48N9,	0c8c1	-26821
5_2429C3		2r0c2	u_/L	1821c	48cNq	N848
5 n296, CR		928N	u_/L	481N40	48q20,	, q48
5 M2424C3		0842	u_/L	482, 2	q849	18 96

SH4521-0065 eA_MM_I o ame: K, 404-24005 eA_MM_I RevisiMh: 0rN0,3nalyS_Ao ame: E353D uite g a_E: 6/2/2401 00:02:0c35

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
o a9qc9CR		crN00	u_/L	c684	0816	2N944
o i2N0, C3		48c66	u_/L	4816490	0084	0810N
Pb224NC3		4809c	u_/L	480qc,	q682	-081,
Sb24, qC3		48, N2	u_/L	48122c	0, 48	48N6, 2
Se0c, 4C3		18Nq	u_/L	086q	2c816	08012
Si290, CR		6rq, ,	u_/L	0Nc8	0861	9r4cq
Sn0qccC3		-48, c0	u_/L	480190	9N84	489cc
St1209CR		2, 8Nc	u_/L	480246	48196N	2r42c
TiN11cC3		06810	u_/L	48029N	48240	, 098
Tl0c4qC3		-4802, ,	u_/L	48, 9NN	908 0	-082N1
VC2c21C3		48q0c	u_/L	481461, 2	48:91N	068c
Zn24, 2C3		N806	u_/L	4810NqN	48NcNN	q8q6c
YQN, 44CR		Nqr, N1	7 A/S	0Nc82	48N, 4N6	Nqr, N1
YC221NC3		qrN048	7 A/S	00816	48N2c1	qrN048
YQN, 44C3		NNr614	7 A/S	0r1c98q	48194qq	NNr614

SH4521-0075 eA_MM_I o ame: K, 404-24005 eA_MM_I RevisiMh: 0rN0,3nalyS_Ao ame: E353D uite g a_E: 6/2/2401 00:0, :9635

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		-48092q	u_/L	48, 4, c	Nc82	-28229
3INc, 0CR		2N84q	u_/L	08N12	98q06	0, 81
3s0qc0C3		48 9, 2	u_/L	48 1c,	cc84	48 02N
3u2126C3		482441	u_/L	48164,	2N18:	N8, N
BC24qcC3		0484q	u_/L	48011q	081N6	0082q
Ba1991CR		18, ,	u_/L	4802, c	286c	N608
BeNDN4CR		-4802c0	u_/L	48144, 004	18N2	-1N824
7 aN09qCR		, rN99	u_/L	0498	08 99	02rNq4
7 d22, 9C3		-48140, , 0	u_/L	48161, c	1r1c9	-280cc
7 M22q, C3		-48, 02	u_/L	48NcN	q, 811	2809q
7 t2, 66C3		48q9q6	u_/L	4814N941	18q4	, 86q6
7 uN26NC3		c8120	u_/L	480c6,	281cq	2N48q
Fe29ccCR		-18, N	u_/L	08, 6	1181N	N48:2
KO6, , 1CR		c6c8	u_/L	198q2	18 q4	6, , 8N
Li, 646CR		0899q	u_/L	081q	0028	-N4816
5_2429C3		2r460	u_/L	02812	480ccq	NN48
5 n296, CR		1N80N	u_/L	486469	08 10	99q8
5 M2424C3		082Nc	u_/L	482, N4	2082N	18224
o a9qc9CR		cr219	u_/L	0968	0841	2N2c4
o i2N0, C3		-48N612	u_/L	4829q,	, c81c	-480, 9
Pb224NC3		-481cq00	u_/L	480, , 2	0, c81	-082cc
Sb24, qC3		4802, ,	u_/L	480c9c	0918q	48N0c0
Se0c, 4C3		28:N1	u_/L	08 Nc	998q,	48:02N
Si290, CR		6r062	u_/L	0N08	081N1	1r, 10
Sn0qccC3		48196c0	u_/L	48244N	N1, 81	48 q6N
St1209CR		2, 810	u_/L	480c11	48N9c	2r426
TiN11cC3		-48N919	u_/L	48, 06,	06812	-2, 849
Tl0c4qC3		-48294N	u_/L	48 N1q	29N8	-082, 2
VC2c21C3		-480221	u_/L	48NNN	04q8:	08 24
Zn24, 2C3		98019	u_/L	48100N4	480c6	028 c
YQN, 44CR		Nqr9, c	7 A/S	c908q	281, q4	Nqr9, c
YC221NC3		qr2q68N	7 A/S	0N8294	4809cq	qr2q68N
YQN, 44C3		N2qr, 24	7 A/S	0rc118:	480c0q,	N2qr, 24

SH4521-0095 eA_MM_I o ame: K, 404-24005 eA_MM_I RevisiMh: 0rN0,

SH4521-009

5 eAMM o ame: K, 404-2400

5 eAMM RevisiMh: OrND,

3nalsAo ame: E35

3D uite g aA: 6/2/2401 00:20:N935

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		-480c91	u_/L	48009,	9c80c	-N80q
3INc, 0CR		N280	u_/L	, 8212	0c8Nq	2q829
3s0qc0C3		481N9	u_/L	08246	01N80	48 91q
3u2126C3		-482N2c	u_/L	481, 0N4	2, 8N2	0894
BC24qcC3		048:1	u_/L	48ND0	28q, N	008q
Ba1991CR		, 814c	u_/L	4820q9	N8 N,	1q180
BeNDN4CR		-48142, N6	u_/L	48140q94	64809	-12829
7 aND9qCR	W	N2r6c4	u_/L	22c80	48 cqq	, 9r064
7 d22, 9C3		4810c2N	u_/L	481492q1	2681q	-08:0q
7 M22q, C3		-4816, , 0	u_/L	481qNDc	04q8	28114
7 t2, 66C3		-480c00	u_/L	4816q1N	10819	289q0
7 uN26NC3		080c	u_/L	48 9cq	1N81N	04480
Fe29ccCR		-, 82q0	u_/L	486662	028N6	298,
KO6, , 1CR		0r9, 6	u_/L	2, 8q6	0809	0r260
Li, 646CR		q8N12	u_/L	48:N2N	0080q	, 48,
5_2429C3		, r099	u_/L	N80q2	48190, c	cq48:
5 n296, CR		1, 8:9	u_/L	48 012	08N4q	, 0q81
5 M2424C3		-4819cq	u_/L	48190cc	01819	08 2q
o a9qc9CR		6rq90	u_/L	6N859	48:NcN	24r004
o i2ND, C3		081cN	u_/L	4829q,	2N8 9	282qc
Pb224NC3		-08011	u_/L	480N24	1, 802	-28216
Sb24, qC3		-48NDq4	u_/L	48 qqN	20, 81	480662
Se0c, 4C3		18001	u_/L	4896cc	01804	081c0
Si290, CR		, r0q4	u_/L	N2811	48921q	1r4, q
Sn0qccC3		48 419	u_/L	481c, c9	0, 811	481c, 4
St1209CR		q98Nc	u_/L	080N6	08NN0	, rc22
TiNN1cC3		-480, 9c	u_/L	480662	04, 8q	-0c8N,
Tl0c4qC3		4801c4	u_/L	481q, 1	N2, 8N	-0804c
VC2c21C3		48201,	u_/L	48102qq	, 814N	681c9
Zn24, 2C3		08 q0	u_/L	481q919	981q2	1804
YCN, 44CR		Ncr0cN	7 A/S	N2q8q,	481Nc46	Ncr0cN
YC221NC3		qr22N8:	7 A/S	q80c2	4804, 42	qr22N8:
YCN, 44C3		N2cr224	7 A/S	0r21N86	48N666q	N2cr224

SH4521-009L

5 eAMM o ame: K, 404-2400

5 eAMM RevisiMh: OrND,

3nalsAo ame: E35

3D uite g aA: 6/2/2401 00:2, :0N35

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		-481114	u_/L	482q0c	NN814	-28 29
3INc, 0CR		9q810	u_/L	198:N	6q8 N	08:12
3s0qc0C3		181Nq	u_/L	180,	04, 8N	48 621
3u2126C3		080, N	u_/L	N892	N2286	N8169
BC24qcC3		09862	u_/L	48124N6	4802c9	98020
Ba1991CR		, 8191	u_/L	481602	0N804	0NN82
BeNDN4CR		4814629q	u_/L	48142c12	14801	-148q
7 aND9qCR		NN, 04	u_/L	12c80	08266	0N024
7 d22, 9C3		-4812661	u_/L	4814c492	N28 N	-28294
7 M22q, C3		-48:0cN	u_/L	480N9,	9q826	281q2
7 t2, 66C3		481110	u_/L	482199	2c81q	q81N4
7 uN26NC3		181cq	u_/L	48N92q	6811N	c4809
Fe29ccCR		0812c	u_/L	N8004	N4280	128 9
KO6, , 1CR		0r, 00	u_/L	6, 8:N	18666	22980
Li, 646CR		02800	u_/L	481001q	481c161	-0q86,
5_2429C3		, r1N2	u_/L	2c8N4	481999	24N8q
5 n296, CR		1c8N4	u_/L	4812N, 2	4816c2	02982
5 M2424C3		-2814c	u_/L	482141	q899q	08NDq

SH4521-009L5 eA_MM_I o ame: K, 404-24005 eA_MM_I RevisiMh: 0rN0,

3nalsAo ame: E35

3D uite g aA: 6/2/2401 00:2, :0N35

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
o a9qc9CR		6rc, q	u_/L	90849	48 14,	1r4Nq
o i2ND, C3		N2cc	u_/L	48 6NN	24810	089c0
Pb224NC3		-N220	u_/L	1806	09, 8	-08, 9
Sb24, qC3		48c04q	u_/L	0824	0118	48NNq0
Se0c, 4C3		048N2	u_/L	48NN4	980, 6	486, 0
Si290, CR		, r0, 0	u_/L	0N480	28000	q018
Sn0qccC3		-482, 1q	u_/L	289q9	c6, 82	48 11c
St1209CR		q182q	u_/L	080, 6	08Nq1	0r291
TiNN1cC3		-081, 4	u_/L	48qc0	, 681	-2N8N
Tl0c4qC3		-0850c	u_/L	0089	, , 480	-082q0
VC2c21C3		-080c1	u_/L	48066N	018q9	4821q1
Zn24, 2C3		2812c	u_/L	48N464	028 1	086N
YQN, 44CR		Nqr, 4,	7 A/S	011809	486N14	Nqr, 4,
YC221NC3		qrN4081	7 A/S	02816c	48094NN	qrN4081
YQN, 44C3		NN4r264	7 A/S	1r19, 8	08N1c1	NN4r264

CCV5 eA_MM_I o ame: K, 404-24005 eA_MM_I RevisiMh: 0rN0,

3nalsAo ame: E35

3D uite g aA: 6/2/2401 00:N4:9035

Sample Type: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		90080	u_/L	N84,	48 q, 4	00r264
3INc, 0CR		02r1N4	u_/L	99849	48112c	09r614
3s0qc0C3		1c084	u_/L	28N6	489cq2	0298q
3u2126C3		1c686	u_/L	0089	28N 2	0r62q
BC24qcC3		1cq8N	u_/L	0802	48N1N6	19184
Ba1991CR		1c28N	u_/L	1812q	48qccN	N r424
BeNDN4CR		9408q	u_/L	08, 0	48ND4	6cr624
7 aN09qCR		02r124	u_/L	c980,	486, 0	21rNq4
7 d22, 9C3		1c689	u_/L	08q9N	48629	, rN92
7 M22q, C3		9408N	u_/L	480, ,	4801N4	0r6, N
7 t2, 66C3		1cq89	u_/L	N204	48 1Nc	6r166
7 uN26NC3		94482	u_/L	N811N	486, q1	qr249
Fe29ccCR		02r9q4	u_/L	, N8qc	4894q4	N1r414
K06, , 1CR		02r, N4	u_/L	9q89q	481, 14	04r104
Li, 646CR		1q, 8N	u_/L	18062	48q9q4	, r100
5_2429C3		02r614	u_/L	99802	481N2q	2r492
5 n296, CR		94q8q	u_/L	48NDq	48, 920	, r, , 4
5 M2424C3		1c281	u_/L	18c6	0809	6c48N
o a9qc9CR		02r0q4	u_/L	c48 4	4861Nc	N4rq24
o i2ND, C3		9428c	u_/L	48Nc94	486q9,	q218q
Pb224NC3		94984	u_/L	080q1	48N11	1, 084
Sb24, qC3		1c, 84	u_/L	N814c	48 q6N	09N82
Se0c, 4C3		1qq89	u_/L	9819q	08006	6682q
Si290, CR		02r, 04	u_/L	Nq84	48N464	qr0qq
Sn0qccC3		94184	u_/L	2844,	48Ncq0	0c68q
St1209CR		1qq8	u_/L	18102	484N4	Ncr644
TiNN1cC3		94480	u_/L	18 4,	48204	06r, 04
Tl0c4qC3		9468q	u_/L	28, 6	4829N	0q180
VC2c21C3		94N86	u_/L	N82,	48 ccc	qr664
Zn24, 2C3		1c289	u_/L	08q20	48N c6	0r01q
YQN, 44CR		Nqr699	7 A/S	, 2869	480, 4, c	Nqr699
YC221NC3		qr2248c	7 A/S	0, 8N1	480c941	qr2248c
YQN, 44C3		N2N164	7 A/S	0rq2N81	480, N64	N2N164

CCB5 eA_MM_I o ame: K, 404-24005 eA_MM_I RevisiMh: 0rN0,

CCB

5 eAMM o ame: K, 404-2400

5 eAMM RevisiMh: OrND,

3nalsAo ame: E35

3D uite g aA: 6/2/2401 00:N9:0q35

Sample Type: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		48409N4	u_/L	484Nq94	29086	081qq
3INc, 0CR		-489c, ,	u_/L	089q6	2, , 81	-0N81c
3s0qc0C3		08 cq	u_/L	0892q	qc8c	481q1,
3u2126C3		080,	u_/L	48112N	Nc8 2	, 8094
BC24qcC3		081q0	u_/L	480621	c80, 1	18010
Ba1991CR		4840262	u_/L	484qNc4	, 9c81	Nc89,
BeNDN4CR		484, 090	u_/L	484020,	0c866	-ND81c
7 aND9qCR		N8291	u_/L	28224	, q822	-19890
7 d22, 9C3		4846N4q	u_/L	48446124	04809	-082N2
7 M22q, C3		-4802q6	u_/L	48466, 9	, 48NN	282c2
7 t2, 66C3		482494	u_/L	4844qq0c	1842	q8 04
7 uN26NC3		08094	u_/L	480, q,	018 ,	c18 c
Fe29ccCR		686N1	u_/L	089c9	248 2	, 084
KO6, , 1CR		-008 N	u_/L	N480	2, 48	-1q8cN
Li, 646CR		084,	u_/L	486N, 0	9, 81q	-NN812
5 _2429C3		98422	u_/L	N824N	, N86q	-N80, 6
5 n296, CR		480196	u_/L	4846064	1c820	-081, ,
5 M2424C3		N8060	u_/L	486qq6	21816	68N, 6
o a9qc9CR		c89c0	u_/L	981q2	9680,	1981
o i2N0, C3		48014c	u_/L	480061	qN82q	486149
Pb224NC3		-4800qN	u_/L	48440q06	-089N6	-08N20
Sb24, qC3		-484qNN6	u_/L	4806Nq	24q89	4829q4
Se0c, 4C3	W	682c,	u_/L	28091	2c89N	08 00
Si290, CR		1806q	u_/L	28091	90891	208cN
Sn0qccC3		-080q0	u_/L	48191q	Nq892	480ccc
St1209CR		-482009	u_/L	4842669	0N802	-02c8c
TiNN1cC3		4819cc	u_/L	4841ND1	9840,	0689c
Tl0c4qC3		484N10,	u_/L	484c00	2, 48c	-08429
VC2c21C3		-482qcq	u_/L	4844Nq94	0842c	-08046
Zn24, 2C3		4844c1, ,	u_/L	480q, q	0rc6N	48 09,
YCN, 44CR		N6rcq4	7 A/S	00189	484046	N6rcq4
YC221NC3		qrNDc8	7 A/S	c81qqN	4800149	qrNDc8
YCN, 44C3		NN0r614	7 A/S	N18 c9	4840419q	NN0r614

SH4521-009A

5 eAMM o ame: K, 404-2400

5 eAMM RevisiMh: OrND,

3nalsAo ame: E35

3D uite g aA: 6/2/2401 00:Nc:9635

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		1c086	u_/L	981, 9	08002	04rc94
3INc, 0CR		04r064	u_/L	09q81	0899N	02rq14
3s0qc0C3		1q281	u_/L	4846qNN	4840, 21	02N81
3u2126C3		484200	u_/L	482, 2	0, N8c	, 80cq
BC24qcC3		1cN86	u_/L	484219	480, 64	11680
Ba1991CR		1q481	u_/L	98 0c	08064	N8r414
BeNDN4CR		1c081	u_/L	q8129	086c6	66r694
7 aND9qCR	W	N6r624	u_/L	Nc48c	081N	6Nqc4
7 d22, 9C3		16281	u_/L	482NN1	4841c19	9rcqq
7 M22q, C3		16c81	u_/L	489N62	480020	0r, 66
7 t2, 66C3		16q81	u_/L	1842c	48412c	6r201
7 uN26NC3		1q18	u_/L	98414	08414	qr440
Fe29ccCR		9rNc4	u_/L	0098N	28014	01r9, 4
KO6, , 1CR		00rND4	u_/L	24q80	08414	cr2c1
Li, 646CR		1, 981	u_/L	N821c	48 cq	, r046
5 _2429C3		00r2c4	u_/L	, 0809	489106	0rq4c
5 n296, CR		9Nq81	u_/L	, 8609	08216	6r421
5 M2424C3		16q86	u_/L	98296	084cq	6, 182

SH4521-009A5 eA_MM_I o ame: K, 404-24005 eA_MM_I RevisiMh: OrND,

3nalsAo ame: E35

3D uite g aA: 6/2/2401 00:Nc:9635

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
o a9qc9CR		02rc24	u_/L	0N, 8	08, 4	N2r9c4
o i2ND, C3		1q289	u_/L	48Nq9c	4846ccq	6q68
Pb224NC3		1c08	u_/L	48N60	4801cc	11, 8
Sb24, qC3		16N8	u_/L	48Nq2	484601q	01, 8
Se0c, 4C3		16N8	u_/L	, 8 40	08Nc9	6181N
Si290, CR		, r, 46	u_/L	0N68N	2846q	1r2qq
Sn0qccC3		48, N2	u_/L	48N11	q4896	48:0N8
St1209CR		99c8	u_/L	, 8Nc	08001	19rN, 4
TiNN1cC3		1668	u_/L	98Nc	0846,	0, rc24
Tl0c4qC3		1c28	u_/L	081q0	484404	0668N
VC2c21C3		1q, 8	u_/L	18N, 1	484c, 2	qr92q
Zn24, 2C3		16c8	u_/L	48, 1c	480Nq	0r004
YQN, 44CR		Nqr, 29	7 A/S	628:6q	480qqc1	Nqr, 29
YC221NC3		qr06, 8	7 A/S	048:2N	480NN, 4	qr06, 8
YQN, 44C3		N29r1N4	7 A/S	2r, 648	48q2496	N29r1N4

SH4521-009S5 eA_MM_I o ame: K, 404-24005 eA_MM_I RevisiMh: OrND,

3nalsAo ame: E35

3D uite g aA: 6/2/2401 00:11:2, 35

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		90821	u_/L	48N6q,	48Nq	0r0ND
3INc, 0CR		2r499	u_/L	2c8,	081Nc	2r, 49
3s0qc0C3		0428	u_/L	484q010	4846cNc	2, 816
3u2126C3		484c00,	u_/L	486211	6rc16	18096
BC24qcC3		1c98	u_/L	08090	482N22	1148
Ba1991CR	W	2r446	u_/L	2, 84	08ND0	01, rq44
BeNDN4CR		9284c	u_/L	484c91	080c	qr229
7 aN09qCR	W	N1r424	u_/L	1, q8	0846,	, , rqc4
7 d22, 9C3		2918	u_/L	48N60N	48019,	N206
7 M22q, C3		9468N	u_/L	484, , 0q	48440N49	0r6, ,
7 t2, 66C3		2428	u_/L	2816	0824,	N49N
7 uN26NC3		29, 8	u_/L	082N2	481q02	1r2N1
Fe29ccCR		0r42N	u_/L	02842	0806,	2rq4q
K06, , 1CR		00r, 94	u_/L	0268N	084cN	cr, 4q
Li, 646CR		16, 8N	u_/L	6846	0899	, r2q0
5_2429C3		04rq24	u_/L	9q8:N	480116	0r626
5 n296, CR		9, 48	u_/L	6814	084q4	6rN12
5 M2424C3		N448q	u_/L	08096	48Nq1q	16q8
o a9qc9CR		01r1q4	u_/L	24, 8	08121	N, r, 94
o i2ND, C3		9008	u_/L	486916	480169	qND8
Pb224NC3		0428	u_/L	4801,	484N9	c0821
Sb24, qC3		0408q	u_/L	084qN	08, 1	N4820
Se0c, 4C3		04q8N	u_/L	082ND	080N6	0682c
Si290, CR		04rq, 4	u_/L	06N8N	08c,	6r4, 4
Sn0qccC3		9048	u_/L	48q, q	480094	0cq8
St1209CR		9618	u_/L	68, 9	0890	1, r694
TiNN1cC3		1, 68	u_/L	186N	486q1	0, r1q4
Tl0c4qC3		cq8q2	u_/L	48N4c6	48NDN1	N18NN
VC2c21C3		94q8N	u_/L	18Nq	484c2c	qrc06
Zn24, 2C3		9408	u_/L	28209	481120	0r096
YQN, 44CR		Nqr662	7 A/S	2NN81	48 40ND	Nqr662
YC221NC3		qr0Nq8	7 A/S	18:, 2N	484, 4c6,	qr0Nq8
YQN, 44C3		N2Ncc4	7 A/S	0r9N, 8	4816129	N2Ncc4

SH4521-009P5 eA_MM_I o ame: K, 404-24005 eA_MM_I RevisiMh: OrND,

SH4521-009P

5 eAMM o ame: K, 404-2400

5 eAMM RevisiMh: 0rN0,

3nalsAo ame: E35

3D uite g aA: 6/2/2401 00:1q:9635

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		92824	u_/L	48 64N	082q1	0r011
3INc, 0CR		2r49c	u_/L	N28fq	086q	2r, 00
3s0qc0C3		0428N	u_/L	48N 1,	48N 2	2, 84
3u2126C3		48114,	u_/L	08 9q	N6, 8f	98 9N
BC24qcC3		1c, 8f	u_/L	0822	4822, N	1128
Ba1991CR	W	2r40,	u_/L	0q8Nc	48:00c	016r944
BeN0N4CR		928f,	u_/L	48c2N	08fq6	qr220
7 aN09qCR	W	N1r214	u_/L	N608f	08fq1	, 6rN14
7 d22, 9C3		2908	u_/L	48 qq1	482610	N0q4
7 M22q, C3		94q8	u_/L	48Nc94	4866, ,	0r666
7 t2, 66C3		2498	u_/L	28Nc	08N9	N4, 6
7 uN26NC3		29c8f	u_/L	28f, ,	48:1cN	1r2, 6
Fe29ccCR		0r429	u_/L	2N8qN	28N2,	2rq0N
KO6, , 1CR		00r924	u_/L	26q8	28106	cr94,
Li, 646CR		1q08N	u_/L	18f, 1	08f00	, rN1c
5 _2429C3		04rq, 4	u_/L	108 6	48NqN6	0r6Nc
5 n296, CR		99c8f	u_/L	c8 49	080,	6rNND
5 M2424C3		N448f	u_/L	28fN9	48 6qN	16q8c
o a9qc9CR		01r914	u_/L	0608f	080q2	N rq24
o i2N0, C3		9018	u_/L	48Nq62	48f69N4	qNq8f
Pb224NC3		cc826	u_/L	480cc	48290	qq8f6
Sb24, qC3		0448	u_/L	48:960	48:926	2c8:4
Se0c, 4C3		04N8N	u_/L	48 09,	48c9c	0, 8,
Si290, CR		04r1, 4	u_/L	2448	08:06	, rq40
Sn0qccC3		94c8N	u_/L	28N09	48f91,	0cq8
St1209CR		9q08	u_/L	98, c	48:4, 0	16rND4
TiNN1cC3		1618	u_/L	, 8f24	08, c	0, r, 24
Tl0c4qC3		c68Nc	u_/L	48f626,	48f6160	NN8:N
VC2c21C3		90N8	u_/L	184N	48fNq9	qrc19
Zn24, 2C3		9408f	u_/L	080N	48220c	0r0, 2
YCN, 44CR		Nqr6q0	7 A/S	1618:2	08221,	Nqr6q0
YC221NC3		qr0, 18f	7 A/S	, 8f1N	48f61, 10	qr0, 18f
YCN, 44C3		N20rqc4	7 A/S	N96N8	08040	N20rqc4

SH4521-010

5 eAMM o ame: K, 404-2400

5 eAMM RevisiMh: 0rN0,

3nalsAo ame: E35

3D uite g aA: 6/2/2401 00:9N:2635

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		-482q, q	u_/L	48NqNN	0NN8	-68 94
3INc, 0CR		qq8q	u_/L	986c	, 821	cc8q
3s0qc0C3		2821	u_/L	481q0	98fN	0816
3u2126C3		-4822qN	u_/L	48, 0,	2418f	28f94
BC24qcC3		0482	u_/L	48:69N	c8 Nc	008fN
Ba1991CR		18fNq	u_/L	48fc4q9	28f16	N 98
BeN0N4CR		48f42qc9	u_/L	48f0906	9218f	-108f
7 aN09qCR		6rq6q	u_/L	9N8f4	48 6, ,	09r904
7 d22, 9C3		48f6cN1	u_/L	48f40, 24	28f10	-48:420
7 M22q, C3		48 , cN	u_/L	48f462	0, 8f0	98f19
7 t2, 66C3		-48N24,	u_/L	48f1q42	018:q	48 Nq,
7 uN26NC3		N8 24	u_/L	48:4, 6	298f9	0N98
Fe29ccCR		NN8f	u_/L	48Nq9,	48090	c928N
KO6, , 1CR		c168N	u_/L	098q	08 q6	6168
Li, 646CR		08:24	u_/L	48c2,	N48f,	-298 2
5 _2429C3		0rcq,	u_/L	08 q6	48fq1c9	ND68c
5 n296, CR		968f	u_/L	48q0,	08f01	6908N
5 M2424C3		N8069	u_/L	48f4c9	028:4	68Nq0

SH4521-0105 eA_MM_I o ame: K, 404-24005 eA_MM_I RevisiMh: 0rN0,

3nalsAo ame: E35

3D uite g aA: 6/2/2401 00:9N2635

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
o a9qc9CR		Nr, 69	u_/L	0, 89	48111c	crN, 0
o i2ND, C3		-48100Nq	u_/L	481cqq	N941	4819N6
Pb224NC3		-081, 2	u_/L	48N646	N18c0	-280cq
Sb24, qC3		-48196q	u_/L	481462c0	0804q	48169N2
Se0c, 4C3		N8122	u_/L	081, 1	N980c	481N22
Si290, CR		Nr11q	u_/L	2081N	481206	2r2, N
Sn0qccC3		481NN, ,	u_/L	481c96	0r16N	481q04
St1209CR		N0814	u_/L	48194c	28044	2r122
TiNN1cC3		28161	u_/L	482024	q8, c	6981
Tl0c4qC3		-481N2c	u_/L	481N210	c68N	-08146
VC2c21C3		481149	u_/L	4819N62	0280c	0081c
Zn24, 2C3		N82c,	u_/L	480642	980, N	q81q4
YQN, 44CR		NqrcN6	7 A/S	0cc82	480210	NqrcN6
YC221NC3		qrN268N	7 A/S	182466	4819492c	qrN268N
YQN, 44C3		NN4r6c4	7 A/S	99281q	480, 642	NN4r6c4

SH4521-0115 eA_MM_I o ame: K, 404-24005 eA_MM_I RevisiMh: 0rN0,

3nalsAo ame: E35

3D uite g aA: 6/2/2401 00:9q:4935

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		-481q42	u_/L	4801, 6	N489	-048c
3INc, 0CR		N68 N	u_/L	984c	09806	N1862
3s0qc0C3		481, 21	u_/L	48006,	09982	480, N6
3u2126C3		-481c22	u_/L	48c6, 6	0ccq8	48294
BC24qcC3		04819	u_/L	480640	081cN	00814
Ba1991CR		N8116	u_/L	481q2q6	28202	N0281
BeNDN4CR		-48144c114	u_/L	4810200	0r2qN	-1081,
7 aN09qCR		6rq44	u_/L	0, 281	281q2	09r214
7 d22, 9C3		-4810N4c	u_/L	481249,	09681	-282N9
7 M22q, C3		480c2,	u_/L	481NDqN	98N62	181q99
7 t2, 66C3		-4809Nc	u_/L	48194, 2	N281c	N8066
7 uN26NC3		N81, q	u_/L	4822, 6	, 8N9	0N28c
Fe29ccCR		0968N	u_/L	481, 992	48110, 9	1, , 81
K06, , 1CR		c2, 8c	u_/L	N, 8N6	N8c21	62181
Li, 646CR		08cN0	u_/L	482c00	0981q	-298NN
5_2429C3		0rc11	u_/L	028N1	481N94	N0080
5 n296, CR		9181,	u_/L	28146	N819c	6028
5 M2424C3		481, 44	u_/L	482N4q	2, 811	N812c
o a9qc9CR		Nr, 64	u_/L	19811	08226	cr269
o i2ND, C3		481, 4	u_/L	481269,	680N4	081c9
Pb224NC3		-480066	u_/L	082c4	06c81	-08166
Sb24, qC3		480q, 2	u_/L	481, 46	9q814	482, 1
Se0c, 4C3		18060	u_/L	08224	2c829	08009
Si290, CR		N2q,	u_/L	q480q	28192	2r010
Sn0qccC3		48209q	u_/L	481q9c	22982	4809N
St1209CR		N48N	u_/L	4806N1	48060N	2rN90
TiNN1cC3		48194q	u_/L	480104	N082c	286, N
Tl0c4qC3		-481992,	u_/L	481N6q	0r, c6	-0824N
VC2c21C3		482699	u_/L	4822, c	q281q	q86N9
Zn24, 2C3		N899N	u_/L	480q2,	98014	q8cc2
YQN, 44CR		Nqr, N6	7 A/S	, 0q81c	080cc6	Nqr, N6
YC221NC3		qrNN08	7 A/S	48110, 9	48104042	qrNN08
YQN, 44C3		NN4rN14	7 A/S	, c282N	4824c99	NN4rN14

SH4521-0125 eA_MM_I o ame: K, 404-24005 eA_MM_I RevisiMh: 0rN0,

SH4521-0125 eA_MM o ame: K, 404-24005 eA_MM RevisiMh: OrN0,

3nalsAo ame: E35

3D uite g aA: 6/2/2401 02:42:1NP5

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		-48N, 2	u_/L	48q0N	2, 820	-0q80
3INc, 0CR		0r9qc	u_/L	248,	08, 2	2r404
3s0qc0C3		18, N	u_/L	48206N	48N1q	081q2
3u2126C3		-486, 02	u_/L	481, c9	, 0, 8	281, N
BC24qcC3		00812	u_/L	482, q9	281N	02809
Ba1991CR		0081,	u_/L	4804q,	48:169	qq289
BeN0N4CR		48, , 49	u_/L	4826N6	1081 1	-N812
7 aN09qCR		qr, 96	u_/L	04N8c	08244	06r4q4
7 d22, 9C3		481N, ,	u_/L	4802N6	N, 869	-4819N0
7 M22q, C3		48 q12	u_/L	480600	29814	9801
7 t2, 66C3		0816q	u_/L	482419	0N811	2q819
7 uN26NC3		c8, ,	u_/L	480cN1	08:10	2Nq86
Fe29ccCR		0r, 9N	u_/L	298,	089c	1r9Nq
K06, , 1CR		0rN, 1	u_/L	248c	081q0	0r4c,
Li, 646CR		28N0	u_/L	4844, qN0	482c9,	-24819
5_2429C3		0rq, 1	u_/L	02899	48 6N1	2cq8N
5 n296, CR		N0802	u_/L	48, q6,	482204	14, 8
5 M2424C3		481220	u_/L	4801N	2681q	28:0q
o a9qc9CR		N6, ,	u_/L	1N82N	0801q	cr, 41
o i2N0, C3		2816q	u_/L	4822, q	c8090	1811c
Pb224NC3		480992	u_/L	48, 294	1482q	-08066
Sb24, qC3		281qN	u_/L	481cq1	248:2	0811q
Se0c, 4C3		08 N6	u_/L	089,	c9812	48202
Si290, CR		Nr, 4q	u_/L	94812	081q,	2rN60
Sn0qccC3		481q1,	u_/L	4812099	281N	0810c
St1209CR		218N	u_/L	4802N	481cc6	0rc02
TiN11cC3		N681 1	u_/L	480cN	081q6	0rN2c
Tl0c4qC3		48146N	u_/L	481N096	N8:00	-481c46
VC2c21C3		28N46	u_/L	48242,	q8q0	198:q
Zn24, 2C3		98N9	u_/L	481Nc09	48 q2,	01809
YCN, 44CR		Nqrc4	7 A/S	2qc809	4810, 0	Nqrc4
YC221NC3		qrN08	7 A/S	2, 8 N0	48N0c, 1	qrN08
YCN, 44C3		N2crN24	7 A/S	Nrq081	0806q,	N2crN24

SH4521-0135 eA_MM o ame: K, 404-24005 eA_MM RevisiMh: OrN0,

3nalsAo ame: E35

3D uite g aA: 6/2/2401 02:46:20P5

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		-48240c	u_/L	482N16	00, 8N	-18N0N
3INc, 0CR		c181,	u_/L	, 86,	6806N	0468
3s0qc0C3		28244	u_/L	48N92	0681,	08149
3u2126C3		-481N, qc	u_/L	4819292	01281	28069
BC24qcC3		04804	u_/L	480N19	08N0	00822
Ba1991CR		N81N9	u_/L	4824, q	, 810N	2, 081
BeN0N4CR		4812946	u_/L	481446114	28, c	-N68 ,
7 aN09qCR		qr9q,	u_/L	, 98c	48, q,	0, rq64
7 d22, 9C3		481q10	u_/L	48149, 24	008 0	-08119
7 M22q, C3		480096	u_/L	481Nq0	2c82N	N8016
7 t2, 66C3		-48N62	u_/L	481N226	2N802	N8N24
7 uN26NC3		68N20	u_/L	481911,	481Nc	0c18
Fe29ccCR		0N18	u_/L	48114c	48N26c	14, 8
K06, , 1CR		0r49N	u_/L	9c8N	98 99	qN8N
Li, 646CR		08106	u_/L	48269,	09806	-2, 8:9
5_2429C3		0r9cc	u_/L	28:N6	480qN	29N8
5 n296, CR		098Nc	u_/L	48066	48, 1,	0cq8
5 M2424C3		-48009q	u_/L	481cN61	q48:1	2812c

SH4521-0135 eA_MM_I o ame: K, 404-24005 eA_MM_I RevisiMh: OrN0,3nalyS_Ao ame: E353D uite g a_E: 6/2/2401 02:46:20P5

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
o a9qc9CR		N6, N	u_/L	1, 8q0	08211	cr9, 2
o i2ND, C3		48lcq,	u_/L	4826qN	998q0	08N49
Pb224NC3		-480, N4	u_/L	4840160	c842q	-08N9,
Sb24, qC3		-480116	u_/L	48q092	9, N8l	482N14
Se0c, 4C3		28c4c	u_/L	08692	, 482N	48c46N
Si290, CR		0r9, q	u_/L	, 869	48lN24	0r4Nq
Sn0qccC3		48l41q	u_/L	48c241	2268N	48q22N
St1209CR		2N8Nc	u_/L	48N9N4	084c	0r6c9
TiNN1cC3		0869c	u_/L	480116	q8221	1c801
Tl0c4qC3		-48lq12	u_/L	4844, 6, 0	08Nc,	-08N4
VC2c21C3		482c01	u_/L	4840, 04	982N	c89qq
Zn24, 2C3		08q2	u_/L	484N09q	08 64	98429
YQN, 44CR		Nqrq12	7 A/S	0N684	48N941	Nqrq12
YC221NC3		qr2, 18N	7 A/S	2086c	482994,	qr2, 18N
YQN, 44C3		N2, r064	7 A/S	1r, , 48l	08l2qq	N2, r064

SH4521-0145 eA_MM_I o ame: K, 404-24005 eA_MM_I RevisiMh: OrN0,3nalyS_Ao ame: E353D uite g a_E: 6/2/2401 02:02:40P5

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		-482cqN	u_/L	480qq,	, N822	-q8N44
3lNc, 0CR		0248	u_/L	, 8N92	982, 9	0Nc8N
3s0qc0C3		48q9N	u_/L	0840,	00c80	48 9q,
3u2126C3		-48N692	u_/L	486, , 2	24182	080Nq
BC24qcC3		68q,	u_/L	48l096	982, 9	c8N49
Ba1991CR		0286c	u_/L	48N209	2801	c6489
BeNDN4CR		484021,	u_/L	4844Nq11	N48q1	-Nc8lq
7 aN09qCR		, r2q0	u_/L	198 c	486261	02r2, 4
7 d22, 9C3		48020,	u_/L	4841N, 9	N84c	-48N2N4
7 M22q, C3		08429	u_/L	484, 21c	, 8lcc	, 8N6c
7 t2, 66C3		480c10	u_/L	4846066	N 8c	q89, 0
7 uN26NC3		q8414	u_/L	482902	N8021	2048
Fe29ccCR		Nq484	u_/L	08lq9	48Nc46	0r4, ,
K06, , 1CR		0r1c4	u_/L	2, 8 4	08q1	0r0c4
Li, 646CR		08q0	u_/L	289c4	0198l	-26824
5_2429C3		0rN96	u_/L	, 8c01	484c9	20980
5 n296, CR		108N1	u_/L	484N4	08206	9N, 80
5 M2424C3		-48216	u_/L	48N1Nc	, 9801	08N66
o a9qc9CR		N1, q	u_/L	208q4	48 2q9	qr6, 0
o i2ND, C3		082c2	u_/L	48N002	218c	289c6
Pb224NC3		48qccc	u_/L	48ND0c	018q2	-48N6q6
Sb24, qC3		08lqc	u_/L	480q9q	028l6	486164
Se0c, 4C3		N84c4	u_/L	48Nq, 2	0284	48Ncc
Si290, CR		2r, 49	u_/L	68q0	48N4, 1	0r644
Sn0qccC3		-480992	u_/L	48lNqN	2q289	48 4N,
St1209CR		0q89,	u_/L	4846c6c	48l2cc	0rNc2
TiNN1cC3		28204	u_/L	4846000	N820q	, , 89
Tl0c4qC3		-4826c,	u_/L	28220	6c182	-08262
VC2c21C3		48l9N	u_/L	480249	2, 89,	028lN
Zn24, 2C3		0N864	u_/L	484N, 49	482, N0	N28qN
YQN, 44CR		Nqr, 0,	7 A/S	0108N	48N, 9cq	Nqr, 0,
YC221NC3		qr2c18l	7 A/S	228 , q	4826NN4	qr2c18l
YQN, 44C3		NNN494	7 A/S	2rN108	484N4c	NNN494

SH4521-014L5 eA_MM_I o ame: K, 404-24005 eA_MM_I RevisiMh: OrN0,

SH4521-014L

5 eAMM o ame: K, 404-2400

5 eAMM RevisiMh: OrND,

3nalsAo ame: E35

3D uite g aA: 6/2/2401 02:0, :NcP5

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		-48, 24	u_/L	281c1	11N8q	-08q29
3INc, 0CR		0498c	u_/L	9, 8 9	9N81q	01822
3s0qc0C3		-48649	u_/L	N82q0	1298q	48141c
3u2126C3		281ccq	u_/L	084q	928q9	18N29
BC24qcC3		048q2	u_/L	4829, 0	28N, 6	18260
Ba1991CR		0N86,	u_/L	4800q4	48q969	21N8c
BeNDN4CR		-4840c, q	u_/L	48q64c	11288	-128 1
7 aND9qCR		, rN4N	u_/L	N681	489ccq	2r1, 4
7d22, 9C3		482, Nc	u_/L	4816440	2, 89N	-08116
7M22q, C3		08444	u_/L	48Nq10	Nq810	N81, N
7t2, 66C3		482q96	u_/L	482q, N	04482	, 8N1N
7uN26NC3		00809	u_/L	480Nc	18 4q	00288
Fe29ccCR		Nq, 80	u_/L	N8N, q	48q62N	29188
KO6, , 1CR		0r9N9	u_/L	0N81,	48q6, 9	20688
Li, 646CR		1806,	u_/L	28 qc	, 18Nc	-14816
5_2429C3		0rN64	u_/L	0082N	48q0c6	14894
5 n296, CR		128NN	u_/L	48c0cc	28061	04c88
5 M2424C3		-N869,	u_/L	48qc9q	2N8q9	0840,
o a9qc9CR		N9Nc	u_/L	48Nc9c	484000c	0rqNq
oi2ND, C3		28qccq	u_/L	48 N, q	228q9	08191
Pb224NC3		-28296	u_/L	48Nc, c	0689c	-08 N4
Sb24, qC3		-48 qND	u_/L	48126q	, 28 N	482Nc,
Se0c, 4C3		0N80,	u_/L	48040	98Nc6	48q600
Si290, CR		2r9q4	u_/L	, N801	28116	N9q8q
Sn0qccC3		489cNq	u_/L	28N14	Nc182	480, 0
St1209CR		0q8N	u_/L	480q6	N8c01	0q, 88
TiNN1cC3		08441	u_/L	4816NN9	68N4q	-, 8269
Tl0c4qC3		-N8c09	u_/L	08 1N	108c6	-0811c
VC2c21C3		-08442	u_/L	28N4	24288	48c96,
Zn24, 2C3		0181q	u_/L	48c116	, 8929	6811q
YQN, 44CR		Ncr2c,	7 A/S	206824	4899262	Ncr2c,
YC221NC3		qrN1N80	7 A/S	2842c1	48421N21	qrN1N80
YQN, 44C3		NN4rc04	7 A/S	1r44, 8q	08204q	NN4rc04

SH4521-014A

5 eAMM o ame: K, 404-2400

5 eAMM RevisiMh: OrND,

3nalsAo ame: E35

3D uite g aA: 6/2/2401 02:20:0cP5

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		1qq8N	u_/L	48N60N	48q6, 41	04rc, 4
3INc, 0CR		04r2, 4	u_/L	0N48	0826N	02rc24
3s0qc0C3		16q81	u_/L	48c001	48c49	02N88
3u2126C3		-4896Nc	u_/L	48124,	6N82q	N82N2
BC24qcC3		1c489	u_/L	4809q	4842N, 4	11q80
Ba1991CR		1q68N	u_/L	98 61	080, 1	N9r194
BeNDN4CR		1q68q	u_/L	18q26	48ccq9	66r494
7 aND9qCR		00r6q4	u_/L	0, c81	081Nq	22rcq4
7d22, 9C3		1698N	u_/L	48042	4801c1	, r4q4
7M22q, C3		1q, 88	u_/L	48N194	48464c2	0r60,
7t2, 66C3		1q48c	u_/L	480906	484ND99	6rND6
7uN26NC3		1c288	u_/L	080,	48N4q0	qr0qc
Fe29ccCR		9r6qq	u_/L	6N86c	08269	09r, 44
KO6, , 1CR		00r2N4	u_/L	N18q	48ND41	cr204
Li, 646CR		19980	u_/L	68q92	08994	9rc, 2
5_2429C3		, rq, 1	u_/L	06866	4829qc	0r009
5 n296, CR		9N, 81	u_/L	984q	081, 1	, rcq4
5 M2424C3		1q48q	u_/L	98c96	082Nc	66N8c

SH4521-014A5 eA_MM_I o ame: K, 404-24005 eA_MM_I RevisiMh: 0rN0,3nalyS_Ao ame: E353D uite g a_A: 6/2/2401 02:20:0cP5

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
o a9qc9CR		qr, 16	u_/L	00c8	08qN	20r664
o i2N0, C3		1qc8	u_/L	48, 09q	48029q	q498
Pb224NC3		1cq8	u_/L	08, c	482911	19, 8
Sb24, qC3		1668	u_/L	0892	4821c	01c8
Se0c, 4C3		1618	u_/L	q8q0	08qc	6980
Si290, CR		2rc24	u_/L	N8q2	0826	0rc41
Sn0qccC3		48q4q	u_/L	48q19	6c86	481cq
St1209CR		1c18N	u_/L	, 8q94	0821	Nrc14
TiNN1cC3		1q08	u_/L	08, 2	48q, 9	06r244
Tl0c4qC3		1cc8	u_/L	08N1	482, q	0q08
VC2c21C3		1q68	u_/L	0861	4822,	qr, 01
Zn24, 2C3		1cN8	u_/L	481224	48q911	0r091
YQN, 44CR		Nqr9N9	7 A/S	14, 8q	08qNq	Nqr9N9
YC221NC3		qr2118N	7 A/S	c8 194	480, cc	qr2118N
YQN, 44C3		N2qr4q4	7 A/S	9, 28N	486092	N2qr4q4

CCV5 eA_MM_I o ame: K, 404-24005 eA_MM_I RevisiMh: 0rN0,3nalyS_Ao ame: E353D uite g a_A: 6/2/2401 02:29:1qP5

Sample Type: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		9008N	u_/L	98q6	08cN	00r294
3In, 0CR		02r164	u_/L	0008	48qc24	09r614
3s0qc0C3		1c18N	u_/L	084,	48q9,	0298
3u2126C3		9408	u_/L	6816	08q,	0r62c
BC24qcC3		1cc8	u_/L	48q1,	480c64	1928q
Ba1991CR		1c18	u_/L	98cc	08q90	N r4q4
BeNDN4CR		9408N	u_/L	1829	48q22q	6crN64
7 aN09qCR		02r1, 4	u_/L	618N	48ccc	21rN64
7 d22, 9C3		1cc8	u_/L	08c6	48cc1	, rN14
7 M22q, C3		9428	u_/L	480c00	48qNq4N	0r69,
7 t2, 66C3		1cc8	u_/L	98c6	0824	6r16q
7 uN26NC3		9428	u_/L	N8q9	489N1	qr221
Fe29ccCR		02r9q4	u_/L	0N08	081c	NNrc24
K06, , 1CR		02r, 14	u_/L	1486	48221	04rNc4
Li, 646CR		1qc8	u_/L	98199	0801	, r1N
5_2429C3		02r6q4	u_/L	N48c	482104	2r419
5 n296, CR		94, 8	u_/L	98, 0	086c	, r, 40
5 M2424C3		9408	u_/L	N8100	48 q46	6cq8
o a9qc9CR		02r214	u_/L	q, 81	48460	N4rq64
o i2N0, C3		94N8	u_/L	4812q9q	4849, q0	q0c8
Pb224NC3		94q8N	u_/L	48, 2N	48q90, 4	1, 08
Sb24, qC3		1cq8	u_/L	089N	482902	09N8
Se0c, 4C3		1c, 8	u_/L	N8qq	48q2c	6q8,
Si290, CR		02r, 04	u_/L	0, 28q	08c0	qr0, 2
Sn0qccC3		9498N	u_/L	08qN1	48q, N4	0c68
St1209CR		1c48	u_/L	1860	48NDN	Ncr694
TiNN1cC3		9418	u_/L	6820N	082c	06r6N4
Tl0c4qC3		94q8	u_/L	08qq	48q0c	0qN8
VC2c21C3		9418	u_/L	98N4	08, 4	qr664
Zn24, 2C3		1cN8	u_/L	08qN1	4860,	0r01N
YQN, 44CR		Nqr, 24	7 A/S	06c819	48, 1, ,	Nqr, 24
YC221NC3		qr0, q8	7 A/S	4800N9	4800096	qr0, q8
YQN, 44C3		N22r694	7 A/S	N9cq8	0801q	N22r694

CCB5 eA_MM_I o ame: K, 404-24005 eA_MM_I RevisiMh: 0rN0,

CCB

5 eAMM o ame: K, 404-2400

5 eAMM RevisiMh: OrND,

3 nalySAo ame: E35

3D uite g aA: 6/2/2401 02:N4:09P5

Sample Type: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		-48N66	u_/L	4842q91	02840	-18294
3INc, 0CR		-q8c,	u_/L	N849	1284	-2N81
3s0qc0C3		28292	u_/L	482404	q8c2,	0842,
3u2126C3		-480Nq	u_/L	084cc	c, 98q	084Nq
BC24qcC3		08N2	u_/L	48404	Nc822	N8q, c
Ba1991CR		-4800, 6	u_/L	48441040	N80N	N484
BeNDN4CR		484, q64	u_/L	484N, 6q	9N8N	-N484q
7 aND9qCR		N8 Nc	u_/L	18, ,	02q82	-118c0
7 d22, 9C3		484, 12c	u_/L	484N, q	96849	-084N
7 M22q, C3		4800N9	u_/L	484, 6, 9	9c8 N	N8011
7 t2, 66C3		482494	u_/L	484cN9q	198 1	q8, 4
7 uN26NC3		48Nq0	u_/L	4829q2	N18c q	q682,
Fe29ccCR		68, N	u_/L	48420	68c, 0	, 08 c
KO6, , 1CR		-, 816,	u_/L	480, 6	c822	-118c,
Li, 646CR		081 N6	u_/L	482, c9	0q89	-N0812
5_2429C3		9810c	u_/L	28N9	91806	-N84qN
5 n296, CR		48NDN4	u_/L	484690,	21842	48 q64
5 M2424C3		1800	u_/L	484q6q	0c8 q	c80,
o a9qc9CR		q81 14	u_/L	c80N1	04q82	1N8N
o i2N0, C3		482c99	u_/L	482c, q	0448	48c60
Pb224NC3		-48102	u_/L	482N0	c68,	-084c,
Sb24, qC3		-482c, 0	u_/L	48c, cq	N268	480q9
Se0c, 4C3	W	684q6	u_/L	N249	19822	086N
Si290, CR		28N04	u_/L	284 c	0028c	24841
Sn0qccC3		-48440	u_/L	480, , 9	2689	4812q,
St1209CR		-480N, 4	u_/L	48002,	q2844	-02181
TiNN1cC3		48c1, N	u_/L	48449024	4849104	248 4
Tl0c4qC3		-48190,	u_/L	484, 269	0N84c	-08ND9
VC2c21C3		-484499	u_/L	4800qq	Nq84q	-08c0
Zn24, 2C3		484c0Nq	u_/L	484cq62	04q84	484, q
YCN, 44CR		Nqr02c	7 A/S	066824	481, 161	Nqr02c
YC221NC3		qrN4082	7 A/S	c841c	480194	qrN4082
YCN, 44C3		N2cr, c4	7 A/S	0r4c, 8	48N216	N2cr, c4

SH4521-014S

5 eAMM o ame: K, 404-2400

5 eAMM RevisiMh: OrND,

3 nalySAo ame: E35

3D uite g aA: 6/2/2401 02:N1:99P5

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		90824	u_/L	48Ncc4	4866cN	0r00,
3INc, 0CR		2r0, 9	u_/L	228cN	0849c	2r, q2
3s0qc0C3		cc841	u_/L	0842q	084Nq	298 ,
3u2126C3		-482q6q	u_/L	48194,	09, 8	N821,
BC24qcC3		1q68N	u_/L	48, cc	4800, c	1N18q
Ba1991CR	W	2r44N	u_/L	0c8c2	48c11	01N044
BeNDN4CR		908N	u_/L	48c044	08c, ,	6rc1c
7 aND9qCR		cr40q	u_/L	0498N	08, q	06r2c4
7 d22, 9C3		29282	u_/L	48014	482qN0	N0cN
7 M22q, C3		9468N	u_/L	48c04c	4806c,	0r662
7 t2, 66C3		2428N	u_/L	284qc	084NN	N401
7 uN26NC3		2, 28	u_/L	2840N	48c, , q	1rN44
Fe29ccCR		0r199	u_/L	21840	08 94	Nqq6
KO6, , 1CR		00rNq4	u_/L	24c81	08414	cr062
Li, 646CR		1, 281	u_/L	28004	4819, 1	9rc96
5_2429C3		, rNc0	u_/L	2N846	48N, 04	0r42c
5 n296, CR		99q8N	u_/L	c8 q6	08N9	6r01N
5 M2424C3		2c982	u_/L	N2Nq	084c6	16081

SH4521-014S5 eA_MM_I o ame: K, 404-24005 eA_MM_I RevisiMh: 0rN0,

3nalsAo ame: E35

3D uite g aA: 6/2/2401 02:N1:99P5

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
o a9qc9CR		04r2c4	u_/L	c08 6	48jc00	29r1, 4
o i2ND, C3		9048j	u_/L	48jcq4c	48jc0c24	qN28j
Pb224NC3		04N8l	u_/L	48jqc,	48jq29	c28jc
Sb24, qC3		cq82q	u_/L	48662	486c4q	2c829
Se0c, 4C3		04N8D	u_/L	N8 16	N8N6	0, 8N
Si290, CR		6r19,	u_/L	0N98j	08j04	1r612
Sn0qccC3		94089	u_/L	28NcN	48l662	0c98l
St1209CR		94, 82	u_/L	18c42	48c, q1	14r204
TiNN1cC3		1, 08j	u_/L	18jc,	08j, 2	0, r044
Tl0c4qC3		c, 866	u_/L	082, c	08N00	NN84
VC2c21C3		9498j	u_/L	, 80q	08200	qr66,
Zn24, 2C3		90289	u_/L	08jc9	4820N6	0r0q6
YQN, 44CR		N6rqq9	7 A/S	2068 2	489611N	N6rqq9
YC221NC3		qr0, 18j	7 A/S	c840c2	48041q	qr0, 18j
YQN, 44C3		N24rcN4	7 A/S	2r90N8D	48jqN4,	N24rcN4

SH4521-014P5 eA_MM_I o ame: K, 404-24005 eA_MM_I RevisiMh: 0rN0,

3nalsAo ame: E35

3D uite g aA: 6/2/2401 02:Nc:29P5

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		928c,	u_/L	48j2029	48j1402	0r0N6
3INc, 0CR		2r0cc	u_/L	26861	082, 0	2r6, ,
3s0qc0C3		04086	u_/L	482NNc	482N44	2, 8NN
3u2126C3		-0801c	u_/L	48N4, 1	2, 8 6	48N006
BC24qcC3		1cc82	u_/L	489604	480011	1198
Ba1991CR	W	2r4NN	u_/L	2N8c9	0806q	016r944
BeNDN4CR		928l2	u_/L	48ND01	08j01	qr24c
7 aN09qCR		cr12,	u_/L	04c8	080, N	0qrN14
7 d22, 9C3		29, 8N	u_/L	489214	482419	N219
7 M22q, C3		9018j	u_/L	48l26q	48jqND4	0r6cq
7 t2, 66C3		24c8j	u_/L	08jc1	48c4, 2	N4, ,
7 uN26NC3		2, c86	u_/L	08jc4	48l412	1rN16
Fe29ccCR		0r1q9	u_/L	01869	48c26	1r42,
K06, , 1CR		00r, 44	u_/L	c4802	4866, c	cr1c2
Li, 646CR		16189	u_/L	N8c21	48j2, c	, r24,
5_2429C3		, r99N	u_/L	0, 8N0	4821qq	0r499
5 n296, CR		9, 18j	u_/L	, 8j96	0820,	6rN29
5 M2424C3		N4189	u_/L	08l96	48l6q1	1q, 8D
o a9qc9CR		04r, 24	u_/L	cc894	48cN62	2, r, , 4
o i2ND, C3		90c89	u_/L	489612	480049	q1682
Pb224NC3		0418N	u_/L	482cc,	482q61	cN8l2
Sb24, qC3		0408l	u_/L	08N1q	08N2c	N480q
Se0c, 4C3		04986	u_/L	482, 6,	4829N0	0, 8c1
Si290, CR		6r62q	u_/L	6N8c0	48c9, 1	1rcqc
Sn0qccC3		90N8N	u_/L	482N4N	48l11q6	2448D
St1209CR		9248	u_/L	, 86c	082, 1	10rcq4
TiNN1cC3		1q289	u_/L	N8j14	486c9c	0, r9c4
Tl0c4qC3		cq8j1	u_/L	482q, 2	482c0c	N18D,
VC2c21C3		9228	u_/L	1802N	486qqq	qrc1N
Zn24, 2C3		9248j	u_/L	08l14	4826, q	0r249
YQN, 44CR		Nqr196	7 A/S	211891	48 N9qq	Nqr196
YC221NC3		qr0, 986	7 A/S	08lq69	48l0q20,	qr0, 986
YQN, 44C3		N0, r444	7 A/S	1668j1	48094c,	N0, r444

SH4521-0165 eA_MM_I o ame: K, 404-24005 eA_MM_I RevisiMh: 0rN0,

SH4521-0165 eA_MM o ame: K, 404-24005 eA_MM RevisiMh: OrN0,3nalyS_Ao ame: E35

3D uite g aA: 6/2/2401 02:1N9, P5

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		-4820, q	u_/L	4804cc	94860	-1N811
3INc, 0CR		qc899	u_/L	01829	0982	cc8q1
3s0qc0C3		682q4	u_/L	4866, 9	048 6	2822q
3u2126C3		48Nq06	u_/L	08409	2, 98q	q8244
BC24qcC3		0181c	u_/L	481, c2q	481c09	01864
Ba1991CR		068N6	u_/L	4821N1	08142	0rN40
BeN0N4CR		481N9, 4	u_/L	48446461	0c8q6	-N882
7 aN09qCR	W	1, r094	u_/L	q908N	08q19	c4r244
7 d22, 9C3		481N1c4	u_/L	481, q0	0N182	28 cq
7 M22q, C3		1812N	u_/L	4846220	08 NN	0q82q
7 t2, 66C3		482169	u_/L	4849060	248q	048c
7 uN26NC3		N86q	u_/L	482942	, 8 49	0N186
Fe29ccCR		9rq, q	u_/L	02084	28499	09rq, 4
KO6, , 1CR		0r2Nc	u_/L	9844c	481411	cq484
Li, 646CR		28c11	u_/L	484696	2c861	-02844
5_2429C3		Nrcq	u_/L	2084q	482q9	, NN8
5 n296, CR	W	0r46,	u_/L	21860	282c6	01r444
5 M2424C3		08c, 4	u_/L	486646	Nc8NN	98NN2
o a9qc9CR		N1q,	u_/L	N986,	0842,	qr6c4
o i2N0, C3		48620	u_/L	48 9N2	, 6824	081q4
Pb224NC3		-48N646	u_/L	48040c	2684	-08N1N
Sb24, qC3		48q66	u_/L	0801q	00, 82	48 020
Se0c, 4C3		9894	u_/L	48 N00	008N6	08N29
Si290, CR		NN, ,	u_/L	6, 829	282, 9	2r0q6
Sn0qccC3		-482614	u_/L	482140	q68 0	489900
St1209CR		6182,	u_/L	48N404	481491	9rc4N
TiNN1cC3		08qcc	u_/L	481N2, 0	08606	9N861
Tl0c4qC3		48629	u_/L	486c4c	04281	-081N4
VC2c21C3		48 01q	u_/L	4840q01	28c90	08166
Zn24, 2C3		18 1c	u_/L	481N9N1	486, 40	00810
YCN, 44CR		Nqr910	7 A/S	0r4cN84	28qN, 4	Nqr910
YC221NC3		qr2468	7 A/S	086142	4842024N	qr2468
YCN, 44C3		N2N924	7 A/S	6, 80q,	4842N91c	N2N924

SH4521-0175 eA_MM o ame: K, 404-24005 eA_MM RevisiMh: OrN0,3nalyS_Ao ame: E35

3D uite g aA: 6/2/2401 02:1q:NP5

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		-48N60	u_/L	480266	cN801	-, 8144
3INc, 0CR		1q81N	u_/L	981, ,	0082c	1q84
3s0qc0C3		68NN1	u_/L	28N, N	N2822	282c0
3u2126C3		-482c2	u_/L	48, 62	02, 80	N8 44
BC24qcC3		098q	u_/L	489, 64	N8 Nc	098q
Ba1991CR		N8449	u_/L	4802, 0	180c,	2, 48q
BeN0N4CR		48400q6	u_/L	48421q0	24c84	-Nc8q4
7 aN09qCR	W	1qr1q4	u_/L	06986	48N, 21	c9rcq4
7 d22, 9C3		4844cq6c	u_/L	48401N4	01186	-08229
7 M22q, C3		N8c, q	u_/L	4846q29	0862	0, 8N
7 t2, 66C3		48N62c	u_/L	48499Nq	018q9	028 9
7 uN26NC3		N84N2	u_/L	48N0, 0	0481N	02N89
Fe29ccCR		, , 182	u_/L	0861c	482, N1	0rq94
KO6, , 1CR		0rN0q	u_/L	0c8 q	081c1	0r49q
Li, 646CR		N84Nc	u_/L	08q69	, 0860	-048c
5_2429C3		1rN, 1	u_/L	1N82	48c2,	, c48
5 n296, CR	W	0r44,	u_/L	08166	4801, q	0N2, 4
5 M2424C3		48 c02	u_/L	48202,	N489	N82c2

SH4521-0175 eA_MM_I o ame: K, 404-24005 eA_MM_I RevisiMh: 0rN0,3nalyS_Ao ame: E353D uite g a_A: 6/2/2401 02:1q:NP5

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
o a9qc9CR		N669	u_/L	12822	0800c	cr, N
o i2N0, C3		0846	u_/L	4841cN9	1840	284, 6
Pb224NC3		-48162	u_/L	484, 0cN	0N8q9	-0896q
Sb24, qC3		-480919	u_/L	4844N6	92482	482N49
Se0c, 4C3		6801c	u_/L	48466	q8940	08994
Si290, CR		N9c1	u_/L	0, 8N9	48491c	2rN, N
Sn0qccC3		48, , 2	u_/L	4849c1	00282	4849N
St1209CR		, c8q4	u_/L	484q62	08101	9r, 02
TiNN1cC3		484q6q	u_/L	484, qN1	068 N	484q69
Tl0c4qC3		08q2	u_/L	482cN	0, 81q	-08420
VC2c21C3		48N, ,	u_/L	484, , 2N	028N1	48406c
Zn24, 2C3		28N2	u_/L	48426, ,	0806,	, 84Nq
YQN, 44CR		Ncr429	7 A/S	0c081	484c4q2	Ncr429
YC221NC3		qr06, 8	7 A/S	28944q	484N49q,	qr06, 8
YQN, 44C3		N21rq04	7 A/S	0r2q081	484c194	N21rq04

SH4521-0185 eA_MM_I o ame: K, 404-24005 eA_MM_I RevisiMh: 0rN0,3nalyS_Ao ame: E353D uite g a_A: 6/2/2401 02:9N04P5

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		-48N121	u_/L	4840,	2c8 q	-22804
3Inc, 0CR		0018	u_/L	48 21c	4849194	02c8
3s0qc0C3		, 8q9c	u_/L	08, 2	228q	28091
3u2126C3		-4849c2	u_/L	4846Nc0	0, 81c	284qq
BC24qcC3		68440	u_/L	48 926	c8N22	q81N9
Ba1991CR		182c0	u_/L	484q19	1844	N198
BeNDN4CR		-4844c0, c	u_/L	4844NN6N	N 8q	-128N
7 aN09qCR	W	92r9N4	u_/L	2Nq81	4849N6	040r044
7 d22, 9C3		-4842, 1c	u_/L	4844094N	98 61	-484N4c
7 M22q, C3		484c6,	u_/L	48409N	00899	, 822c
7 t2, 66C3		48N, 2	u_/L	484004q	18 c2	c8, 4
7 uN26NC3		184qq	u_/L	4829, c	, 82q1	0Nq8
Fe29ccCR		2rN19	u_/L	208q1	484N02	, r216
K06, , 1CR		N0q1	u_/L	048N6	484296	2r910
Li, 646CR		N84q2	u_/L	08026	N 896	-c8414
5_2429C3		9r29,	u_/L	q8NDN	4849q0	qNN82
5 n296, CR		1ND8	u_/L	28q04	48 94c	9r9N4
5 M2424C3		4840N0	u_/L	4841N4,	04812	28q92
o a9qc9CR		N, , 9	u_/L	29841	484466	cr4c9
o i2N0, C3		484210	u_/L	48424q2	28q6,	081N1
Pb224NC3		482N6N	u_/L	484, 4c	0c182	-484Nq
Sb24, qC3		0811	u_/L	484460	2, 8N	48, 00
Se0c, 4C3		08N0	u_/L	086c	, q804	484062
Si290, CR		2r62c	u_/L	2984	484106	0r694
Sn0qccC3		48424q	u_/L	484941	0ND8	484N62
St1209CR		61812	u_/L	0864	0862	9rq21
TiNN1cC3		28466	u_/L	484q9,	q8414	9c814
Tl0c4qC3		48412cc	u_/L	08q1	N224	-08N1q
VC2c21C3		484, 01	u_/L	484c14c	248N	6846N
Zn24, 2C3		981N6	u_/L	484161c	4846N9	0N20
YQN, 44CR		N6rcNN	7 A/S	N6N812	484q11N	N6rcNN
YC221NC3		qr0q18	7 A/S	c8q42	48424q1	qr0q18
YQN, 44C3		N24r964	7 A/S	, 02899	484c04c	N24r964

SH4521-0195 eA_MM_I o ame: K, 404-24005 eA_MM_I RevisiMh: 0rN0,

SH4521-019

5 eAMM o ame: K, 404-2400

5 eAMM RevisiMh: OrND,

3nalySAo ame: E35

3D uite g aA: 6/2/2401 02:96:1qP5

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		-48461	u_/L	4811q0	0198q	-0080,
3INc, 0CR		, 2801	u_/L	98 N2	c8449	, , 809
3s0qc0C3		68 96	u_/L	48N022	18466	28N94
3u2126C3		-484c2N	u_/L	4819, 0	00, 8N	280, N
BC24qcC3		68q2c	u_/L	48N4q0	N8cN9	c8491
Ba1991CR		28201	u_/L	480N1,	, 846q	2448
BeNDN4CR		-484229q	u_/L	484244N	qq680	-108 ,
7 aND9qCR	W	9, r, N4	u_/L	, , , 82	0806,	000r444
7 d22, 9C3		484N6cN	u_/L	4840Nq4	N 8Nq	-084N1
7 M22q, C3		080q4	u_/L	4809, c	0N82c	, 86, ,
7 t2, 66C3		480902	u_/L	480q01	02484	q809q
7 uN26NC3		N85, 2	u_/L	4809qc	18229	0NN89
Fe29ccCR		qN28q	u_/L	048c	08N0q	2r2q,
KO6, , 1CR		2rc04	u_/L	048N1	48N991	2rN, 2
Li, 646CR		28c90	u_/L	48Nc69	0N816	-0086q
5_2429C3		9rqNc	u_/L	c8169	480, 2N	c0682
5 n296, CR		N6289	u_/L	984N	0816q	1rq9c
5 M2424C3		4840614	u_/L	48429q0	01q81	28240
o a9qc9CR		Nrc2c	u_/L	068N2	481104	crc2q
o i2N0, C3		080, 9	u_/L	480N9	c86Nc	282q6
Pb224NC3		-08N ,	u_/L	484, 9, N	18449	-28Nc2
Sb24, qC3		4841991	u_/L	08492	2rND4	482cNq
Se0c, 4C3		9809,	u_/L	0822c	2N8qN	082N,
Si290, CR		2r62c	u_/L	N982,	082c2	0r6q2
Sn0qccC3		-48064q	u_/L	48404NN	0844c	4812cc
St1209CR		6q811	u_/L	48 c02	484q02	, r29c
TiNN1cC3		48 264	u_/L	484q6N4	0N8c2	q8444
Tl0c4qC3		-480620	u_/L	484c, c	9208N	-08Nq0
VC2c21C3		481, c2	u_/L	48219N	9282c	68c1q
Zn24, 2C3		98 02	u_/L	4842620	481q1c	0N81q
YQN, 44CR		Nqr, N6	7 A/S	N, 8c60	484c9, q6	Nqr, N6
YC221NC3		qr0498c	7 A/S	, 8c, 4	484q0N6N	qr0498c
YQN, 44C3		N24rN14	7 A/S	0rNq182	481N202	N24rN14

SH4521-020

5 eAMM o ame: K, 404-2400

5 eAMM RevisiMh: OrND,

3nalySAo ame: E35

3D uite g aA: 6/2/2401 0:42:29P5

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		-4840c16	u_/L	4806c,	c2286	-68q44
3INc, 0CR		9, 811	u_/L	086Nq	N846c	9q84,
3s0qc0C3		N8Nc6	u_/L	4846, c	298q2	082c,
3u2126C3		480q2q	u_/L	48440N	2618N	N82Nq
BC24qcC3		98099	u_/L	48Nq44	68N62	, 8q99
Ba1991CR		08q21	u_/L	484, 14,	48N902	06080
BeNDN4CR		-48409NN	u_/L	4840966	0428c	-1N81,
7 aND9qCR	W	26r, 44	u_/L	02c8	481, c6	9N604
7 d22, 9C3		4844c4q9	u_/L	48402, 2	0Nq8c	-0804N
7 M22q, C3		484Nq2	u_/L	480q1N	9181c	N8cN4
7 t2, 66C3		4804N4	u_/L	4846N6N	60896	, 8c66
7 uN26NC3		28q1c	u_/L	484N6q6	08N4c	02082
Fe29ccCR		0r291	u_/L	2q8NN	2829q	N144
KO6, , 1CR		q4c89	u_/L	q84, 6	48c, 9	, 2184
Li, 646CR		08142	u_/L	484Nc24	28c9	-N28c
5_2429C3		2r9, 0	u_/L	068N6	48 6q9	14, 8c
5 n296, CR		2q8N1	u_/L	484c00	N8011	N 181
5 M2424C3		-4849N6	u_/L	480, 69	168N1	08 1N

SH4521-0205 eA_MM_I o ame: K, 404-24005 eA_MM_I RevisiMh: OrN0,

3nalsAo ame: E35

3D uite g aA: 6/2/2401 0:42:29P5

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
o a9qc9CR		2r62,	u_/L	29866	48:191	, rq90
o i2ND, C3		480qc6	u_/L	481ND26	0, 8lq	48 669
Pb224NC3		-4812q0	u_/L	481qN6c	0c896	-0891
Sb24, qC3		48 01c	u_/L	481q96	6q8:c	4816, q
Se0c, 4C3		08 N4	u_/L	489q1c	N98q	48461
Si290, CR		0r, cN	u_/L	0c8:9	0806c	0r049
Sn0qccC3		-48N4, 4	u_/L	48296N	q1816	489102
St1209CR		108 0	u_/L	48 4N9	08194	N219
TiNN1cC3		48, 06	u_/L	480496	0q8q2	, 8 Nq
Tl0c4qC3		-489229	u_/L	48:9c4	0qN89	-08N16
VC2c21C3		4826, 0	u_/L	480226	1181N	c8066
Zn24, 2C3		280c1	u_/L	48116, 1	28060	9820
YQN, 44CR		NqrNq,	7 A/S	204801	4891619	NqrNq,
YC221NC3		qr21, 8l	7 A/S	N89, , c	481N291	qr21, 8l
YQN, 44C3		N29r4N4	7 A/S	N4c680	48:92q,	N29r4N4

SH4521-0245 eA_MM_I o ame: K, 404-24005 eA_MM_I RevisiMh: OrN0,

3nalsAo ame: E35

3D uite g aA: 6/2/2401 0:46:41P5

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		-48246,	u_/L	480, 60	q481q	-N8944
3INc, 0CR		-18192	u_/L	68:N9	0c98q	-068q4
3s0qc0C3		-480, 69	u_/L	489c, c	N9, 8N	48141q
3u2126C3		-480c66	u_/L	481c9N	29489	089, N
BC24qcC3		2814,	u_/L	4806N2	680c6	18946
Ba1991CR		482446	u_/L	4814q112	1824,	9N8 4
BeNDN4CR		4814, 621	u_/L	4814c4, 1	0N18q	-Nc8:1
7 aN09qCR		2, 8:4	u_/L	48:60,	N8 00	48:c2cN
7 d22, 9C3		4814400c4	u_/L	481N19q	2cr094	-28241
7 M22q, C3		-480421	u_/L	48004N	0468q	28Ncc
7 t2, 66C3		-48Nc9	u_/L	481c961	21812	-48 , 01
7 uN26NC3		080cN	u_/L	4809, 9	0N802	c989N
Fe29ccCR		-N819q	u_/L	48:1q6	N081N	NN8 q
K06, , 1CR		098:2	u_/L	q8946	9N811	-2, 8:4
Li, 646CR		480cN	u_/L	48169N,	01890	-1N862
5_2429C3		, 80q	u_/L	08192	098 ,	-28:Nq
5 n296, CR		482, 6	u_/L	480qN	228l,	N81, 0
5 M2424C3		-08142	u_/L	480q1c	0q8l,	48 0N6
o a9qc9CR		218:N	u_/L	04800	14896	q18:4
o i2ND, C3		-489, 21	u_/L	482NN,	10891	-481 Nq2
Pb224NC3		-482, ,	u_/L	48216,	16812	-0800
Sb24, qC3		-48N044	u_/L	082qq	10989	480q16
Se0c, 4C3		282, c	u_/L	4819, c1	2894c	48q0q1
Si290, CR		02800	u_/L	089cq	0N80c	26821
Sn0qccC3		48009,	u_/L	48902	, 1c8:	480c6
St1209CR		-480cN9	u_/L	481N9, 2	0q810	-02c8:
TiNN1cC3		-4809q1	u_/L	4814246q	08N02	-0c82q
Tl0c4qC3		4804q1	u_/L	4822N6	24, 8N	-08020
VC2c21C3		-480, 1N	u_/L	4801N,	q6812	08q10
Zn24, 2C3		48q2Nc	u_/L	481q464	c88c9	289, N
YQN, 44CR		NqrNc:9	7 A/S	0c8:26	48190qcc	NqrNc:9
YC221NC3		qrNc:q8	7 A/S	N8Nc2	481Nc920	qrNc:q8
YQN, 44C3		NN0rc94	7 A/S	0rc, 18	489c0q,	NN0rc94

PBWHF26ICW15 eA_MM_I o ame: K, 404-24005 eA_MM_I RevisiMh: OrN0,

PBWHF26ICW15 eA_MM o ame: K, 404-24005 eA_MM RevisiMh: OrN0,

3nalsAo ame: E35

3D uite g aA: 6/2/2401 0:00:11P5

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		-4801q1	u_/L	48026,	q, 814	-28029
3INc, 0CR		-N8N9	u_/L	008 2	2c981	-068 6
3s0qc0C3		-48N1, 4	u_/L	0896q	19, 81	48N9q,
3u2126C3		-48 4, 2	u_/L	0801,	0qc80	48029
BC24qcC3		28N40	u_/L	4820cq	c8991	1814q
Ba1991CR		481q1c1	u_/L	48199q	9N8 ,	198N9
BeN0N4CR		-4812429	u_/L	4812c49	01N89	-118N0
7 aN09qCR		481Nc46	u_/L	08101	Nr, 0c	-92810
7 d22, 9C3		-4810q12	u_/L	48124N,	00489	-2811c
7 M22q, C3		-480N64	u_/L	4812, 19	0c8N0	2826N
7 t2, 66C3		-489c, 4	u_/L	48091,	29889	-N8521
7 uN26NC3		481244	u_/L	481c, 1q	00866	qc819
Fe29ccCR		-c82q4	u_/L	08Nc,	09811	06816
KO6, , 1CR		-0481c	u_/L	0c8N,	0q189	-1q861
Li, 646CR		08092	u_/L	4819cc	Nc8:0	-N8984
5_2429C3		N81N1	u_/L	48N149	q81q0	-N814c
5 n296, CR		4820, N	u_/L	4809, 2	62824	-489, N,
5 M2424C3		-0816,	u_/L	4811N84	18111	481c2,
o a9qc9CR		20806	u_/L	98 61	2, 814	698 1
o i2N0, C3		-48 499	u_/L	48142, 22	481NN0	-4894cq
Pb224NC3		481c604	u_/L	4812000	20861	-08029
Sb24, qC3		-4814c420	u_/L	480N90	0r1cq	4826q4
Se0c, 4C3		N8N19	u_/L	08161	1181,	48c4q
Si290, CR		0, 81q	u_/L	4822N1	08Nqc	2c81,
Sn0qccC3		48N916	u_/L	481c2q9	2, 806	481016
St1209CR		-48N, 19	u_/L	48114, 9	00809	-01180
TiNN1cC3		-48269c	u_/L	482991	c2896	-2N8 c
Ti0c4qC3		4812, N4	u_/L	08N99	9r094	-08094
VC2c21C3		-48261c	u_/L	48046q	Nc822	-480N1q
Zn24, 2C3		48 0q1	u_/L	4812, c0	18N92	2816N
YQN, 44CR		Nqr1cc	7 A/S	061896	4819N19	Nqr1cc
YC221NC3		qrNcN81	7 A/S	0q8N26	4820qN9	qrNcN81
YQN, 44C3		NN1r4, 4	7 A/S	qc0894	482, , q6	NN1r4, 4

LCSWHF26ICW15 eA_MM o ame: K, 404-24005 eA_MM RevisiMh: OrN0,

3nalsAo ame: E35

3D uite g aA: 6/2/2401 0:0, :21P5

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		92801	u_/L	4822, 4	481NN9	0r099
3INc, 0CR		2r4, 9	u_/L	0q8c0	48c09,	2r9qN
3s0qc0C3		cq820	u_/L	N80, ,	N8221	29812
3u2126C3		48N196	u_/L	481, , N,	0c80c	98N4,
BC24qcC3		11682	u_/L	481Nq2	480q61	1498N
Ba1991CR		2r41,	u_/L	0, 800	486q6,	016r, 44
BeN0N4CR		92862	u_/L	481666	48c4, 0	qr20c
7 aN09qCR		2r966	u_/L	20860	48129	1rc92
7 d22, 9C3		29c89	u_/L	482N42	481qq, c	NNN1
7 M22q, C3		90, 81	u_/L	48024	48120, 6	0rqN2
7 t2, 66C3		24, 8N	u_/L	481, 9, 1	481N0q2	N009
7 uN26NC3		2968c	u_/L	48112c,	4810, , ,	1r2q1
Fe29ccCR		0r414	u_/L	0482c	48cqqc	2rq0,
KO6, , 1CR		04rNN4	u_/L	02280	080q2	qr141
Li, 646CR		11081	u_/L	281, ,	4899c2	9r6N9
5_2429C3		9r012	u_/L	02896	482111	q128c
5 n296, CR		92, 8c	u_/L	c8 01	08129	, rq4q
5 M2424C3		26286	u_/L	2814	48cN01	11281

LCSWHF26ICW15 eA_MM_I o ame: K, 404-24005 eA_MM_I RevisiMh: 0rN0,

3nalsAo ame: E35

3D uite g aA: 6/2/2401 0:0, :21P5

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
o a9qc9CR		6r9N4	u_/L	6, 8 N	0840q	0qrq24
o i2ND, C3		92N8	u_/L	4846q9N	4840944	q, , 8N
Pb224NC3		0498	u_/L	48N12	48N64	c98 2
Sb24, qC3		0408	u_/L	484qN	484c0c	N48q
Se0c, 4C3		0408	u_/L	08Nc	0802q	0, 81
Si290, CR	W	1r4Nq	u_/L	, 9812	08 24	2r, 4N
Sn0qccC3		1668	u_/L	08262	48, , 9	0qq8c
St1209CR		1, q8	u_/L	28N2	48149	N6r9q4
TiNN1cC3		1148	u_/L	484962	482061	09r9c4
Tl0c4qC3		04, 8N	u_/L	484020	4849q1	N68N
VC2c21C3		9008	u_/L	48, 06	4802c1	cr44q
Zn24, 2C3		94, 8	u_/L	48 244	480229	0r0qc
YQN, 44CR		Nqr2, 2	7 A/S	Nq1860	08499	Nqr2, 2
YC221NC3		qr2q, 8N	7 A/S	08, Nq	4842N, cc	qr2q, 8N
YQN, 44C3		N29r264	7 A/S	16q804	481, cc	N29r264

CCV5 eA_MM_I o ame: K, 404-24005 eA_MM_I RevisiMh: 0rN0,

3nalsAo ame: E35

3D uite g aA: 6/2/2401 0:24:99P5

Sample Type: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		94q8	u_/L	2849,	484410	00r2, 4
3INc, 0CR		02r114	u_/L	0448	4844cc	09r164
3s0qc0C3		1qq8	u_/L	N8c0	4840, c	0298
3u2126C3		1c68	u_/L	986N	08, 4	0r62q
BC24qcC3		1c, 8	u_/L	48916	48000q	1908c
Ba1991CR		1qq8	u_/L	98 q2	08, 2	N9r0N4
BeNDN4CR		9448	u_/L	, 822	08212	6qr0N4
7 aN09qCR		02rNq4	u_/L	04N8	484N94	2Nq, 4
7 d22, 9C3		1c18	u_/L	484, q	484q2N9	, rN41
7 M22q, C3		1cq8	u_/L	48412	48424qc	0r69N
7 t2, 66C3		1c18	u_/L	081cq	484NN	6r114
7 uN26NC3		1c18	u_/L	08490	484611	qr01N
Fe29ccCR		02r964	u_/L	0Nc8	084,	NN104
KO6, , 1CR		02r, N4	u_/L	24c8	08, 0	04r2N4
Li, 646CR		1qN8	u_/L	18, 9	08426	, r299
5_2429C3		02r, , 4	u_/L	1482	4840q1	2r4Nc
5 n296, CR		94q8c	u_/L	681q6	08160	, r910
5 M2424C3		1c18	u_/L	N8c0,	486c21	6c28q
o a9qc9CR		02r094	u_/L	69810	48 246	N4r0c4
o i2ND, C3		94N8	u_/L	48c, 6q	480c21	q218q
Pb224NC3		9448	u_/L	48q04	4809, 4	19, 8c
Sb24, qC3		1c98N	u_/L	48Nq4,	4846, q1	0928c
Se0c, 4C3		1q98	u_/L	98 NN	08, 4	6, 8c
Si290, CR		02r964	u_/L	0698	084c	qr40q
Sn0qccC3		9448	u_/L	4840c, ,	4844Nc29	0c, 8
St1209CR		1q98	u_/L	98144	080N	Nqr644
TiNN1cC3		1cq8N	u_/L	N8 2c	4862q2	06r, 24
Tl0c4qC3		94N8	u_/L	0800	482246	0q28
VC2c21C3		9448	u_/L	N84q	48, 04	qr61,
Zn24, 2C3		1c48	u_/L	08cc	482119	0r012
YQN, 44CR		Nqr492	7 A/S	680990	4840qq4N	Nqr492
YC221NC3		qr2068	7 A/S	18, , 1	48494644	qr2068
YQN, 44C3		N21r6, 4	7 A/S	2r49c8	48 N12c	N21r6, 4

CCB5 eA_MM_I o ame: K, 404-24005 eA_MM_I RevisiMh: 0rN0,

CCB

5 eAMM o ame: K, 404-2400

5 eAMM RevisiMh: OrND,

3nalySAo ame: E35

3D uite g aA: 6/2/2401 0:29:20P5

Sample Type: Q7

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		-4849q0,	u_/L	480q9	N2182	-480694
3INc, 0CR		-08010	u_/L	028q,	0r026	-01842
3s0qc0C3		2809q	u_/L	084q2	, 184N	08440
3u2126C3		4840026	u_/L	4842c6,	2, 180	28269
BC24qcC3		080, 2	u_/L	482, 46	22812	N8900
Ba1991CR		-48406c1	u_/L	484160q	2, N80	N6899
BeNDN4CR		48440N, c	u_/L	4841qq9	N9, 6	-1489c
7 aND9qCR		080N4	u_/L	N82qq	2018c	-1c8q,
7d22, 9C3		4842614	u_/L	4844N6c,	0N8q9	-08q0c
7M22q, C3		-4809c0	u_/L	480601	04686	2806,
7t2, 66C3		480026	u_/L	4802c6	00980	680c6
7uN26NC3		48q, c6	u_/L	482246	298Nq	c48q,
Fe29ccCR		, 80cN	u_/L	N82q1	9N84N	9q82c
KO6, , 1CR		-N8q20	u_/L	20811	9, 48c	-128 c
Li, 646CR		28 c1	u_/L	489ccc	2282,	-0184N
5_2429C3		N82qc	u_/L	08qN	96829	-N81Nc
5 n296, CR		4846Nc q	u_/L	484NND,	118q2	-28149
5 M2424C3		N80, 0	u_/L	4866, 4	2086c	68c6q
o a9qc9CR		N8N11	u_/L	18 9N	0Nc80	N48q0
o i2N0, C3		-48209c	u_/L	48N2c4	09281	4801c4
Pb224NC3		-481N82	u_/L	48N c6	q18c1	-08 02
Sb24, qC3		084q	u_/L	48c111	cN8 ,	489c29
Se0c, 4C3		180q	u_/L	089qc	NN8 c	080c6
Si290, CR		-084N9	u_/L	N8N, 0	N2186	0q866
Sn0qccC3		480629	u_/L	48 4, 0	N908N	486NN9
St1209CR		-48Ncqq	u_/L	48NDNq	6q8 6	-01989
TiNN1cC3		480, 94	u_/L	480164	2, 840	, 8c94
Tl0c4qC3		-48441N90	u_/L	482c4q	, r, q1	-08094
VC2c21C3		-48262,	u_/L	48N22,	00q8N	-48q1qc
Zn24, 2C3		-4846, c,	u_/L	4840921	0c8q0	481046
YQN, 44CR		Nqr222	7 A/S	c498c2	28N642	Nqr222
YC221NC3		qr2cc86	7 A/S	048N19	48021, 1	qr2cc86
YQN, 44C3		NN0rc24	7 A/S	29, 800	484660, 0	NN0rc24

SH4523-022

5 eAMM o ame: K, 404-2400

5 eAMM RevisiMh: OrND,

3nalySAo ame: E35

3D uite g aA: 6/2/2401 0:2c:9cP5

Sample Type: UnknMwn

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
3_N2q4C3		-4820, 4	u_/L	48449c	0108	-N8 qq
3INc, 0CR		689c1	u_/L	18169	9q8cN	-N84cc
3s0qc0C3		-48q214	u_/L	28060	2, N80	482N44
3u2126C3		-484906,	u_/L	482244	1218c	284N6
BC24qcC3		, 892N	u_/L	48N84,	98N69	q8464
Ba1991CR		482c0,	u_/L	48206q	618 q	, 48 q
BeNDN4CR		-4844, 0N6	u_/L	4844, 9, ,	04684	-12814
7 aND9qCR		qr444	u_/L	, 0820	486, 90	09r644
7d22, 9C3		48400, 0	u_/L	48q, 492	92089	-2840N
7M22q, C3		484N21N	u_/L	48429q2	6c8 2	28q29
7t2, 66C3		-480011	u_/L	4841126	Nq864	N8 N1
7uN26NC3		08Nc2	u_/L	481q42	N184	c680,
Fe29ccCR		-28120	u_/L	081N4	9c846	N98c
KO6, , 1CR		q9N86	u_/L	0989c	08q2,	, , 68N
Li, 646CR		08924	u_/L	28492	0N984	-N48 N
5_2429C3		0rN90	u_/L	q8410	489c92	20289
5 n296, CR		48126q	u_/L	4802q,	N48q,	2820,
5 M2424C3		481q02	u_/L	48q, 6qc	01800	28c6c

KATAHDIN ANALYTICAL SERVICES, INC.

METALS ANALYSIS RUN INFORMATION SHEET

INSTR. ID: IThermoicep6500 ANALYST: EAM ANALYSIS DATE: 7-2-14

FILE NAME: IH602C

REVIEWED

EAM 7-2-14
KATAHDIN ANALYTICAL
METALS SECTION

METHOD:

ICP

☒ 200.7

☒ 6010B

☐ CLP

☐ _____

ICP-MS

☐ 200.8

☐ 6020

☐ CLP

☐ _____

CVAA

☐ 245. _____

☐ 747. _____

☐ CLP

☐ _____

STANDARDS USED:

Standard Name	Standard ID	Prep Date	Expiration Date	Standard Conc.
Calc Blank/ICP/CLP	MW14887	5-15-14	5-15-15	0 ug/L
Calc. Std.	MW14954	6-25-14	8-8-14	varies by element
ICV	MW14945	6-23-14	7-23-14	
POL	MW14961	6-28-14	8-8-14	
LPS1	MW14956	6-26-14	8-8-14	
LPS2	MW14970	7-1-14	8-8-14	
ICSA	MW14930	6-10-14	9-10-14	
ICSA3	MW14918	6-4-14	9-1-14	
CeV	MW14955	6-26-14	8-8-14	
Internal Std.	MW14949	6-24-14	9-24-14	5mg/L

Additional Comments and Notes:

EAM 7-2-14

INSTRUMENT RUNLOG

Instrument: ICAP 6500

SAMPLE ID	DF	FILE	DATE	TIME	ANALYST
Blank	1.000	IHG02C	7/2/2014	23:42	EAM
Std 1	1.000	IHG02C	7/2/2014	23:46	EAM
ICV	1.000	IHG02C	7/2/2014	23:51	EAM
ICB	1.000	IHG02C	7/2/2014	23:55	EAM
PQL	1.000	IHG02C	7/3/2014	0:00	EAM
LRS1	1.000	IHG02C	7/3/2014	0:05	EAM
LRS2	1.000	IHG02C	7/3/2014	0:09	EAM
ICSA	1.000	IHG02C	7/3/2014	0:18	EAM
ICSAB	1.000	IHG02C	7/3/2014	0:23	EAM
CCV	1.000	IHG02C	7/3/2014	0:28	EAM
CCB	1.000	IHG02C	7/3/2014	0:33	EAM
PBWHG02ICW2	1.000	IHG02C	7/3/2014	0:37	EAM
LCSWHG02ICW2	1.000	IHG02C	7/3/2014	0:42	EAM
LC2WHG02ICW2	1.000	IHG02C	7/3/2014	0:47	EAM
SH4870-001	50.00	IHG02C	7/3/2014	0:51	EAM
PBWHF24ICW2	1.000	IHG02C	7/3/2014	0:56	EAM
LCSWHF24ICW2	1.000	IHG02C	7/3/2014	1:00	EAM
SH4016-031	1.000	IHG02C	7/3/2014	1:05	EAM
SH4256-001	1.000	IHG02C	7/3/2014	1:10	EAM
SH4256-003	1.000	IHG02C	7/3/2014	1:14	EAM
SH4256-005	1.000	IHG02C	7/3/2014	1:19	EAM
CCV	1.000	IHG02C	7/3/2014	1:24	EAM
CCB	1.000	IHG02C	7/3/2014	1:28	EAM
SH4256-009	1.000	IHG02C	7/3/2014	1:33	EAM
SH4256-011	1.000	IHG02C	7/3/2014	1:37	EAM
SH4256-015	1.000	IHG02C	7/3/2014	1:42	EAM
SH4256-017	1.000	IHG02C	7/3/2014	1:47	EAM
SH4256-037	1.000	IHG02C	7/3/2014	1:51	EAM
SH4412-001	1.000	IHG02C	7/3/2014	1:56	EAM
SH4412-003	1.000	IHG02C	7/3/2014	2:01	EAM
SH4521-008	1.000	IHG02C	7/3/2014	2:05	EAM
SH4521-008L	5.000	IHG02C	7/3/2014	2:10	EAM
SH4521-008A	1.000	IHG02C	7/3/2014	2:14	EAM
CCV	1.000	IHG02C	7/3/2014	2:19	EAM
CCB	1.000	IHG02C	7/3/2014	2:23	EAM
SH4521-008S	1.000	IHG02C	7/3/2014	2:28	EAM
SH4521-008P	1.000	IHG02C	7/3/2014	2:33	EAM
SH4521-015	1.000	IHG02C	7/3/2014	2:37	EAM
SH4521-015L	5.000	IHG02C	7/3/2014	2:42	EAM
SH4521-015A	1.000	IHG02C	7/3/2014	2:46	EAM
SH4521-015S	1.000	IHG02C	7/3/2014	2:51	EAM
SH4521-015P	1.000	IHG02C	7/3/2014	2:55	EAM
SH4521-021	1.000	IHG02C	7/3/2014	3:00	EAM
SH4521-022	1.000	IHG02C	7/3/2014	3:05	EAM

SAMPLE ID	DF	FILE	DATE	TIME	ANALYST
SH4521-023	1.000	IHG02C	7/3/2014	3:09	EAM
CCV	1.000	IHG02C	7/3/2014	3:14	EAM
CCB	1.000	IHG02C	7/3/2014	3:18	EAM
SH4670-001	1.000	IHG02C	7/3/2014	3:23	EAM
SH4670-002	1.000	IHG02C	7/3/2014	3:28	EAM
SH4690-001	1.000	IHG02C	7/3/2014	3:32	EAM
SH4690-002	1.000	IHG02C	7/3/2014	3:37	EAM
SH4690-003	1.000	IHG02C	7/3/2014	3:42	EAM
SH4690-004	1.000	IHG02C	7/3/2014	3:46	EAM
SH4690-005	1.000	IHG02C	7/3/2014	3:51	EAM
PBWHF30ICW1	1.000	IHG02C	7/3/2014	3:56	EAM
LCSWHF30ICW1	1.000	IHG02C	7/3/2014	4:00	EAM
SH4774-001	1.000	IHG02C	7/3/2014	4:05	EAM
CCV	1.000	IHG02C	7/3/2014	4:10	EAM
CCB	1.000	IHG02C	7/3/2014	4:14	EAM
SH4775-001	1.000	IHG02C	7/3/2014	4:19	EAM
SH4776-001	1.000	IHG02C	7/3/2014	4:23	EAM
SH4776-001L	5.000	IHG02C	7/3/2014	4:28	EAM
SH4776-001S	1.000	IHG02C	7/3/2014	4:33	EAM
SH4776-001P	1.000	IHG02C	7/3/2014	4:37	EAM
SH4776-004	1.000	IHG02C	7/3/2014	4:42	EAM
SH4570-001R	1.000	IHG02C	7/3/2014	4:46	EAM
SH4570-002R	1.000	IHG02C	7/3/2014	4:51	EAM
CCV	1.000	IHG02C	7/3/2014	4:56	EAM
CCB	1.000	IHG02C	7/3/2014	5:00	EAM
PQL	1.000	IHG02C	7/3/2014	5:05	EAM
ICSA	1.000	IHG02C	7/3/2014	5:09	EAM
ICSAB	1.000	IHG02C	7/3/2014	5:14	EAM
CCV	1.000	IHG02C	7/3/2014	5:19	EAM
CCB	1.000	IHG02C	7/3/2014	5:23	EAM

Intensity Report

Author:

Published: 7/3/2014 9:41:07AM

Notes:

Blank

Method Name: K6010-2011

Method Revision: 1,319

Analyst Name: EAM

Acquire Date: 7/2/2014 11:42:19PM

Sample Type: Standard

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.00001600	Cts/S	0.00003200	199.7	-4.925
Al3961_R		-0.0002500	Cts/S	0.00005300	21.11	-9.028
As1891_A		0.00003900	Cts/S	0.000006000	15.96	0.2924
Au2427_A		0.0003540	Cts/S	0.0001510	42.65	2.625
B_2089_A		0.0003250	Cts/S	0.00001800	5.592	2.411
Ba4554_R		0.0006730	Cts/S	0.00004100	6.104	24.24
Be3130_R		-0.0005320	Cts/S	0.0001220	22.85	-19.18
Ca3158_R		-0.0009650	Cts/S	0.00008300	8.605	-34.77
Cd2265_A		-0.0002360	Cts/S	0.00004800	20.19	-1.750
Co2286_A		0.0003530	Cts/S	0.00005500	15.48	2.621
Cr2677_A		0.00001600	Cts/S	0.000005000	32.72	4.999
Cu3273_A		0.0001980	Cts/S	0.000002000	1.167	61.18
Fe2599_R		0.001590	Cts/S	0.00001600	1.037	57.30
K_7664_R		-0.0004460	Cts/S	0.0003660	81.92	-16.14
Li6707_R		-0.001002	Cts/S	0.0003660	36.53	-36.06
Mg2025_A		-0.0001080	Cts/S	0.0001130	104.9	-0.7976
Mn2576_R		-0.00001300	Cts/S	0.00009300	742.1	-0.4382
Mo2020_A		0.0005410	Cts/S	0.0001060	19.60	4.014
Na5895_R		0.002477	Cts/S	0.0002720	10.98	89.31
Ni2316_A		0.00009200	Cts/S	0.00001400	15.47	0.6847
Pb2203_A		-0.0001770	Cts/S	0.00001000	5.469	-1.312
Sb2068_A		0.00003900	Cts/S	0.000008000	21.69	0.2881
Se1960_A		0.0001260	Cts/S	0.00001300	10.14	0.9384
Si2516_R		0.0005680	Cts/S	0.00001300	2.225	20.45
Sn1899_A		0.00008100	Cts/S	0.000005000	5.757	0.6035
Sr4215_R		-0.003479	Cts/S	0.0003130	8.989	-125.3
Ti3349_A		-0.00004200	Cts/S	0.00001200	28.25	-13.03
Tl1908_A		-0.0001090	Cts/S	0.000006000	5.562	-0.8129
V_2924_A		0.000007000	Cts/S	0.00001100	159.7	-2.171
Zn2062_A		0.00008400	Cts/S	0.000006000	7.237	0.6239
Y_3600_R		36,030	Cts/S	297.60	0.82598	36,030
Y_2243_A		7,424.2	Cts/S	73.070	0.98421	7,424.2
Y_3600_A		308,710	Cts/S	1,818.6	0.58909	308,710

Std 1

Method Name: K6010-2011

Method Revision: 1,319

Analyst Name: EAM

Acquire Date: 7/2/2014 11:46:59PM

Sample Type: Standard

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.07709	Cts/S	0.0001510	0.1962	23,000
Al3961_R		0.8042	Cts/S	0.006458	0.8030	28,600
As1891_A		0.03187	Cts/S	0.00007000	0.2208	228.1
Au2427_A		0.4926	Cts/S	0.004632	0.9403	3,526
B_2089_A		0.1199	Cts/S	0.0001410	0.1174	858.4
Ba4554_R		1.909	Cts/S	0.02174	1.139	67,890
Be3130_R		4.047	Cts/S	0.02762	0.6825	143,900
Ca3158_R		1.381	Cts/S	0.005294	0.3835	49,100
Cd2265_A		1.729	Cts/S	0.003652	0.2112	12,380
Co2286_A		0.4504	Cts/S	0.0004960	0.1100	3,224
Cr2677_A		0.04825	Cts/S	0.0001360	0.2814	14,390
Cu3273_A		0.05340	Cts/S	0.0001300	0.2443	15,930
Fe2599_R		1.728	Cts/S	0.01409	0.8157	61,440

Published: 7/3/2014 9:41:07AM

Page 1 of 50

Std 1

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/2/2014 11:46:59PM

Method Revision: 1,319

Sample Type: Standard

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
K_7664_R		0.5580	Cts/S	0.001725	0.3091	19,850
Li6707_R		0.3413	Cts/S	0.003069	0.8993	12,140
Mg2025_A		0.5469	Cts/S	0.001220	0.2230	3,915
Mn2576_R		0.3546	Cts/S	0.0004800	0.1354	12,610
Mo2020_A		0.2147	Cts/S	0.001295	0.6033	1,536
Na5895_R		1.601	Cts/S	0.01390	0.8686	56,930
Ni2316_A		0.1941	Cts/S	0.0001670	0.08602	1,389
Pb2203_A		0.1221	Cts/S	0.0002340	0.1921	873.6
Sb2068_A		0.03811	Cts/S	0.0001060	0.2779	272.8
Se1960_A		0.02110	Cts/S	0.00002700	0.1277	151.0
Si2516_R		0.4426	Cts/S	0.0005740	0.1296	15,740
Sn1899_A		0.05281	Cts/S	0.00002800	0.05390	378.0
Sr4215_R		2.023	Cts/S	0.02488	1.230	71,960
Ti3349_A		0.1039	Cts/S	0.0003020	0.2906	30,980
Tl1908_A		0.04729	Cts/S	0.0002640	0.5575	338.5
V_2924_A		0.05245	Cts/S	0.0001730	0.3297	15,650
Zn2062_A		0.2924	Cts/S	0.0004400	0.1506	2,093
Y_3600_R		35,565	Cts/S	310.43	0.87285	35,565
Y_2243_A		7,157.3	Cts/S	0.28156	0.0039340	7,157.3
Y_3600_A		298,300	Cts/S	1,243.5	0.41686	298,300

ICV

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/2/2014 11:51:27PM

Method Revision: 1,319

Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		405.4	ug/L	4.775	1.178	9,509
Al3961_R		10,160	ug/L	141.7	1.395	11,660
As1891_A		402.7	ug/L	1.743	0.4327	93.57
Au2427_A		387.9	ug/L	7.647	1.971	1,392
B_2089_A		412.5	ug/L	1.531	0.3712	361.6
Ba4554_R		413.2	ug/L	2.568	0.6215	28,150
Be3130_R		411.3	ug/L	5.327	1.295	59,380
Ca3158_R		10,220	ug/L	167.1	1.634	20,120
Cd2265_A		413.4	ug/L	1.340	0.3241	5,202
Co2286_A		416.8	ug/L	0.6153	0.1476	1,368
Cr2677_A		416.5	ug/L	3.143	0.7547	6,119
Cu3273_A		414.4	ug/L	0.8626	0.2082	6,771
Fe2599_R		10,140	ug/L	180.1	1.776	25,030
K_7664_R		13,470	ug/L	199.4	1.480	10,720
Li6707_R		401.5	ug/L	0.1368	0.03408	4,868
Mg2025_A		10,180	ug/L	18.58	0.1824	1,621
Mn2576_R		411.4	ug/L	7.047	1.713	5,204
Mo2020_A		419.3	ug/L	2.535	0.6046	657.3
Na5895_R		10,120	ug/L	97.64	0.9647	23,170
Ni2316_A		418.9	ug/L	0.4989	0.1191	592.1
Pb2203_A		420.4	ug/L	0.8149	0.1938	372.7
Sb2068_A		409.5	ug/L	0.2998	0.07320	113.8
Se1960_A		410.2	ug/L	2.683	0.6540	63.51
Si2516_R		9,867	ug/L	198.8	2.015	6,244
Sn1899_A		398.6	ug/L	2.597	0.6517	153.5
Sr4215_R		416.9	ug/L	2.717	0.6516	30,020
Ti3349_A		414.1	ug/L	1.180	0.2850	13,080
Tl1908_A	W	427.3	ug/L	1.119	0.2619	146.6
V_2924_A		416.1	ug/L	4.038	0.9705	6,640
Zn2062_A		414.8	ug/L	1.588	0.3828	883.2
Y_3600_R		35,680	Cts/S	660.98	1.8525	35,680

ICV

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/2/2014 11:51:27PM

Method Revision: 1,319

Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Y_2243_A		7,277.4	Cts/S	29.101	0.39988	7,277.4
Y_3600_A		304,400	Cts/S	3,316.5	1.0895	304,400

ICB

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/2/2014 11:55:55PM

Method Revision: 1,319

Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.1861	ug/L	0.2687	144.4	-0.4875
Al3961_R		-0.1215	ug/L	0.5996	493.4	-8.891
As1891_A		2.335	ug/L	1.424	60.98	0.8384
Au2427_A		0.4916	ug/L	1.120	227.8	4.387
B_2089_A		0.6229	ug/L	0.02487	3.993	3.033
Ba4554_R		0.06198	ug/L	0.08599	138.7	28.26
Be3130_R		0.03232	ug/L	0.0009570	2.961	-14.39
Ca3158_R		2.395	ug/L	2.838	118.5	-29.74
Cd2265_A		0.05011	ug/L	0.01965	39.22	-1.098
Co2286_A		-0.01960	ug/L	0.06366	324.7	2.541
Cr2677_A		0.1926	ug/L	0.05601	29.09	7.883
Cu3273_A		-0.3321	ug/L	0.4132	124.4	55.85
Fe2599_R		-1.310	ug/L	0.08239	6.291	53.46
K_7664_R		6.287	ug/L	32.58	518.2	-11.12
Li6707_R		0.3944	ug/L	0.3628	91.99	-30.95
Mg2025_A		-7.318	ug/L	3.778	51.62	-1.949
Mn2576_R		0.2403	ug/L	0.04140	17.23	2.585
Mo2020_A		3.489	ug/L	0.9968	28.57	9.489
Na5895_R		0.05302	ug/L	7.131	13,450	88.57
Ni2316_A		0.3098	ug/L	0.2222	71.72	1.129
Pb2203_A		-0.4123	ug/L	0.09051	21.95	-1.678
Sb2068_A		0.3423	ug/L	0.3646	106.5	0.3806
Se1960_A		3.266	ug/L	0.7318	22.41	1.434
Si2516_R		-6.745	ug/L	6.893	102.2	15.97
Sn1899_A		-0.02260	ug/L	0.2549	1,128	0.5898
Sr4215_R		0.01113	ug/L	0.07028	631.5	-123.2
Ti3349_A		0.9749	ug/L	0.1483	15.22	18.34
Tl1908_A		0.3562	ug/L	1.036	290.9	-0.6822
V_2924_A		-0.01078	ug/L	0.3172	2,941	-2.847
Zn2062_A		-0.08953	ug/L	0.09889	110.5	0.4253
Y_3600_R		35,647	Cts/S	576.93	1.6184	35,647
Y_2243_A		7,365.3	Cts/S	1.1404	0.015483	7,365.3
Y_3600_A		309,660	Cts/S	1,206.2	0.38953	309,660

PQL

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 12:00:34AM

Method Revision: 1,319

Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		10.58	ug/L	0.3701	3.497	248.6
Al3961_R		315.0	ug/L	0.6819	0.2165	357.9
As1891_A		8.394	ug/L	1.491	17.77	2.267
Au2427_A		100.1	ug/L	0.9177	0.9168	365.8
B_2089_A		51.99	ug/L	0.1771	0.3406	47.00
Ba4554_R		5.478	ug/L	0.3693	6.742	403.0
Be3130_R		5.071	ug/L	0.02536	0.5002	723.3
Ca3158_R		103.0	ug/L	0.8289	0.8048	171.2
Cd2265_A		5.309	ug/L	0.02047	0.3856	66.09
Co2286_A		10.68	ug/L	0.07025	0.6581	38.15

PQL

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 12:00:34AM

Method Revision: 1,319

Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Cr2677_A		10.70	ug/L	0.003136	0.02931	164.7
Cu3273_A		27.26	ug/L	0.06174	0.2265	510.8
Fe2599_R		95.39	ug/L	0.05036	0.05279	296.1
K_7664_R		1,004	ug/L	8.278	0.8249	795.8
Li6707_R		104.4	ug/L	1.696	1.625	1,258
Mg2025_A		96.10	ug/L	0.3898	0.4057	14.99
Mn2576_R		5.183	ug/L	0.1061	2.048	66.10
Mo2020_A		10.11	ug/L	0.01805	0.1785	20.00
Na5895_R		1,064	ug/L	21.05	1.978	2,554
Ni2316_A		10.38	ug/L	0.3893	3.750	15.58
Pb2203_A		4.948	ug/L	1.108	22.39	3.133
Sb2068_A		7.492	ug/L	0.5116	6.828	2.131
Se1960_A	F	6.873	ug/L	0.2182	3.175	1.999
Si2516_R		187.4	ug/L	10.04	5.355	140.6
Sn1899_A		106.5	ug/L	0.3632	0.3410	42.10
Sr4215_R		10.50	ug/L	0.08586	0.8176	644.9
Ti3349_A		15.72	ug/L	0.1419	0.9026	492.6
Ti1908_A		15.55	ug/L	0.3488	2.243	4.641
V_2924_A		10.37	ug/L	0.02124	0.2048	166.3
Zn2062_A		20.41	ug/L	0.1753	0.8587	44.74
Y_3600_R		36,220	Cts/S	7.6247	0.021051	36,220
Y_2243_A		7,390.2	Cts/S	14.063	0.19030	7,390.2
Y_3600_A		309,620	Cts/S	332.26	0.10731	309,620

LRS1

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 12:05:15AM

Method Revision: 1,319

Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	kF	0.5266	ug/L	0.07884	14.97	20.36
Al3961_R	s	37.71	ug/L	31.43	83.35	55.05
As1891_A	kF	-0.4743	ug/L	0.02093	4.412	0.5323
Au2427_A	kF	-0.4319	ug/L	0.3934	91.08	3.125
B_2089_A	kF	-1.168	ug/L	0.1268	10.85	4.073
Ba4554_R	sF	0.01374	ug/L	0.04178	304.0	43.44
Be3130_R	sF	-0.1288	ug/L	0.006724	5.220	-65.92
Ca3158_R	s	47.31	ug/L	28.44	60.11	95.50
Cd2265_A	kF	0.1430	ug/L	0.01979	13.84	0.2269
Co2286_A	kF	-0.3306	ug/L	0.01273	3.851	4.495
Cr2677_A	kF	-0.4252	ug/L	0.1404	33.02	-3.538
Cu3273_A	kF	1.488	ug/L	0.09940	6.679	226.3
Fe2599_R	s	-5.334	ug/L	13.92	261.0	71.78
K_7664_R	s	-26.28	ug/L	9.713	36.96	-63.70
Li6707_R	sF	1.068	ug/L	1.010	94.60	-38.18
Mg2025_A	k	7.454	ug/L	0.6279	8.423	1.150
Mn2576_R	sF	0.08991	ug/L	0.1196	133.1	0.9966
Mo2020_A	kF	-2.247	ug/L	0.1087	4.838	1.319
Na5895_R	s	-27.90	ug/L	2.946	10.56	42.54
Ni2316_A	kF	-0.5560	ug/L	0.08192	14.73	-0.3468
Pb2203_A	kF	0.5924	ug/L	0.1200	20.25	-2.286
Sb2068_A	kF	-0.8014	ug/L	0.09090	11.34	0.1873
Se1960_A	kF	-3.768	ug/L	1.036	27.49	1.041
Si2516_R	s	-2.475	ug/L	12.88	520.4	31.68
Sn1899_A	F	-0.8640	ug/L	0.05907	6.836	0.7848
Sr4215_R	sF	0.1531	ug/L	0.1883	123.0	-196.7
Ti3349_A	kF	0.2097	ug/L	0.01895	9.038	-16.73
Ti1908_A	kF	1.289	ug/L	0.2382	18.48	-1.061

LRS1

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 12:05:15AM

Method Revision: 1,319

Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
V_2924_A	kF	0.2196	ug/L	0.03187	14.51	4.213
Zn2062_A	kF	-0.1961	ug/L	0.05654	28.82	0.5870
Y_3600_R	^	0.00000	Cts/S	0.00000	0.00000	62,697
Y_2243_A		21,981	Cts/S	35.860	0.16314	21,981
Y_3600_A		815,540	Cts/S	2,624.8	0.32185	815,540

LRS2

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 12:09:52AM

Method Revision: 1,319

Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.4617	ug/L	0.02967	6.425	16.05
Al3961_R	F	8.960	ug/L	7.161	79.92	2.730
As1891_A		-0.1704	ug/L	0.3356	197.0	0.7398
Au2427_A		-0.6317	ug/L	0.1908	30.20	0.9500
B_2089_A		-1.183	ug/L	0.1105	9.340	3.888
Ba4554_R		-0.1600	ug/L	0.0001320	0.08250	29.47
Be3130_R		-0.08809	ug/L	0.03040	34.52	-71.19
Ca3158_R	F	22.65	ug/L	2.801	12.36	22.97
Cd2265_A		0.09524	ug/L	0.01672	17.55	-1.606
Co2286_A		-0.3575	ug/L	0.05945	16.63	4.204
Cr2677_A		-0.4348	ug/L	0.05291	12.17	-3.891
Cu3273_A		1.267	ug/L	0.03802	3.000	212.6
Fe2599_R	F	-18.25	ug/L	1.065	5.832	26.46
K_7664_R	F	-13.68	ug/L	1.824	13.33	-60.29
Li6707_R		0.9809	ug/L	0.6788	69.20	-53.43
Mg2025_A	F	0.02285	ug/L	2.289	10,020	-2.416
Mn2576_R		-0.1469	ug/L	0.1556	105.9	-5.185
Mo2020_A		-2.406	ug/L	0.02735	1.137	0.5678
Na5895_R	F	-32.91	ug/L	1.328	4.034	29.93
Ni2316_A		-0.5403	ug/L	0.06363	11.78	-0.2819
Pb2203_A		0.5964	ug/L	0.04723	7.918	-2.261
Sb2068_A		-0.7460	ug/L	0.7850	105.2	0.2336
Se1960_A		-3.877	ug/L	0.2282	5.887	0.9860
Si2516_R	F	-21.71	ug/L	0.7272	3.350	14.71
Sn1899_A		-1.011	ug/L	0.2990	29.57	0.6111
Sr4215_R		0.5761	ug/L	0.06640	11.53	-185.3
Ti3349_A		-0.02756	ug/L	0.08582	311.4	-36.39
Tl1908_A		0.4393	ug/L	0.1316	29.95	-1.938
V_2924_A		0.1706	ug/L	0.04880	28.61	2.498
Zn2062_A		-0.2163	ug/L	0.05340	24.69	0.4560
Y_3600_R		80,163	Cts/S	20.135	0.025118	80,163
Y_2243_A		21,867	Cts/S	6.4190	0.029355	21,867
Y_3600_A		800,190	Cts/S	46,723	5.8389	800,190

ICSA

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 12:18:58AM

Method Revision: 1,319

Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.9783	ug/L	0.7297	74.59	-868.7
Al3961_R		484,600	ug/L	15,810	3.261	548,200
As1891_A		-2.497	ug/L	3.814	152.8	-1.967
Au2427_A		7.169	ug/L	1.263	17.62	62.85
B_2089_A		-2.092	ug/L	0.3891	18.60	0.4041
Ba4554_R		0.1551	ug/L	0.08194	52.84	34.11
Be3130_R		-0.06283	ug/L	0.07837	124.7	-27.98

ICSA

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 12:18:58AM

Method Revision: 1,319

Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ca3158_R		450,400	ug/L	7,888	1.751	876,600
Cd2265_A		1.008	ug/L	0.3669	36.42	162.5
Co2286_A		-0.8859	ug/L	0.1127	12.73	1.983
Cr2677_A		0.01230	ug/L	0.02363	192.0	8.694
Cu3273_A		-5.713	ug/L	1.145	20.04	30.41
Fe2599_R		177,100	ug/L	3,946	2.228	430,600
K_7664_R		20.81	ug/L	25.54	122.7	0.7044
Li6707_R		10.20	ug/L	0.008572	0.08408	87.59
Mg2025_A		453,500	ug/L	728.4	0.1606	63,570
Mn2576_R		-0.9991	ug/L	0.1000	10.01	11.53
Mo2020_A		-4.810	ug/L	0.2495	5.186	-3.161
Na5895_R		33.14	ug/L	3.999	12.07	161.9
Ni2316_A		-3.602	ug/L	0.04784	1.328	-17.97
Pb2203_A		-2.581	ug/L	0.6487	25.13	-42.34
Sb2068_A		0.2193	ug/L	1.981	903.3	3.954
Se1960_A		-0.6602	ug/L	3.118	472.3	2.449
Si2516_R		-18.44	ug/L	6.590	35.74	2.999
Sn1899_A		5.018	ug/L	2.027	40.39	2.235
Sr4215_R	W	3.785	ug/L	0.1374	3.629	147.7
Ti3349_A		2.588	ug/L	0.1076	4.159	60.40
Tl1908_A		0.9344	ug/L	1.074	114.9	-1.460
V_2924_A		-0.2999	ug/L	0.2115	70.50	1.167
Zn2062_A		1.625	ug/L	0.1513	9.311	3.618
Y_3600_R		35,216	Cts/S	181.32	0.51490	35,216
Y_2243_A		6,464.9	Cts/S	10.335	0.15987	6,464.9
Y_3600_A		266,990	Cts/S	545.00	0.20413	266,990

ICSAB

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 12:23:48AM

Method Revision: 1,319

Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		225.0	ug/L	1.623	0.7215	3,773
Al3961_R		481,700	ug/L	154.7	0.03211	533,000
As1891_A		102.6	ug/L	1.535	1.496	19.81
Au2427_A		545.6	ug/L	2.550	0.4674	1,781
B_2089_A		491.8	ug/L	0.4056	0.08246	382.8
Ba4554_R		528.0	ug/L	0.6702	0.1269	34,730
Be3130_R		518.3	ug/L	5.197	1.003	72,240
Ca3158_R		456,200	ug/L	3,002	0.6581	868,300
Cd2265_A		967.0	ug/L	2.325	0.2405	10,980
Co2286_A		474.5	ug/L	1.877	0.3955	1,390
Cr2677_A		497.5	ug/L	5.424	1.090	6,472
Cu3273_A		532.2	ug/L	1.560	0.2932	7,739
Fe2599_R		182,800	ug/L	1,135	0.6211	434,700
K_7664_R		20,890	ug/L	155.8	0.7455	16,060
Li6707_R		533.3	ug/L	0.01584	0.002971	6,253
Mg2025_A		444,100	ug/L	1,443	0.3250	62,470
Mn2576_R		494.6	ug/L	5.147	1.041	6,064
Mo2020_A		459.6	ug/L	2.636	0.5736	641.8
Na5895_R		20,720	ug/L	32.16	0.1552	45,710
Ni2316_A		940.0	ug/L	1.376	0.1464	1,170
Pb2203_A		44.27	ug/L	0.5017	1.133	-5.304
Sb2068_A		623.3	ug/L	5.020	0.8053	157.8
Se1960_A		46.53	ug/L	3.154	6.780	8.870
Si2516_R		1,939	ug/L	24.92	1.286	1,198
Sn1899_A		454.8	ug/L	2.182	0.4797	156.1

ICSAB

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 12:23:48AM

Method Revision: 1,319

Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Sr4215_R		503.9	ug/L	1.539	0.3055	35,060
Ti3349_A		494.0	ug/L	4.483	0.9076	13,820
Ti1908_A		93.41	ug/L	0.4868	0.5211	26.77
V_2924_A		505.6	ug/L	4.621	0.9140	7,155
Zn2062_A		959.2	ug/L	0.5768	0.06013	1,821
Y_3600_R		34,447	Cts/S	205.39	0.59625	34,447
Y_2243_A		6,486.7	Cts/S	10.703	0.16500	6,486.7
Y_3600_A		269,390	Cts/S	2,861.9	1.0624	269,390

CCV

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 12:28:34AM

Method Revision: 1,319

Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		505.4	ug/L	4.618	0.9137	11,720
Al3961_R		12,650	ug/L	65.10	0.5147	14,480
As1891_A		498.3	ug/L	2.797	0.5613	115.3
Au2427_A		498.4	ug/L	5.819	1.168	1,782
B_2089_A		501.4	ug/L	0.9075	0.1810	437.3
Ba4554_R		501.6	ug/L	1.815	0.3618	34,090
Be3130_R		503.4	ug/L	2.876	0.5712	72,510
Ca3158_R		12,690	ug/L	97.27	0.7666	24,920
Cd2265_A		504.6	ug/L	1.085	0.2150	6,327
Co2286_A		507.8	ug/L	0.4838	0.09529	1,660
Cr2677_A		506.2	ug/L	8.195	1.619	7,351
Cu3273_A		504.8	ug/L	6.129	1.214	8,141
Fe2599_R		12,680	ug/L	79.96	0.6308	31,210
K_7664_R		12,520	ug/L	21.84	0.1744	9,941
Li6707_R		499.2	ug/L	3.793	0.7600	6,045
Mg2025_A		12,860	ug/L	3.577	0.02782	2,039
Mn2576_R		505.4	ug/L	1.375	0.2720	6,379
Mo2020_A		502.9	ug/L	3.422	0.6804	784.8
Na5895_R		12,580	ug/L	93.52	0.7434	28,710
Ni2316_A		508.7	ug/L	0.005552	0.001091	716.2
Pb2203_A		510.1	ug/L	0.5907	0.1158	450.8
Sb2068_A		500.2	ug/L	0.1514	0.03026	138.4
Se1960_A		495.3	ug/L	3.851	0.7774	76.23
Si2516_R		12,610	ug/L	64.53	0.5115	7,960
Sn1899_A		506.2	ug/L	1.734	0.3426	194.1
Sr4215_R		500.1	ug/L	2.334	0.4667	35,950
Ti3349_A		502.9	ug/L	11.16	2.220	15,710
Ti1908_A		513.4	ug/L	0.6686	0.1302	175.7
V_2924_A		505.4	ug/L	8.772	1.736	7,977
Zn2062_A		502.9	ug/L	1.468	0.2919	1,067
Y_3600_R		35,594	Cts/S	167.61	0.47088	35,594
Y_2243_A		7,251.1	Cts/S	4.4543	0.061429	7,251.1
Y_3600_A		300,970	Cts/S	3,337.8	1.1090	300,970

CCB

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 12:33:01AM

Method Revision: 1,319

Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.1696	ug/L	0.1982	116.8	-0.9125
Al3961_R		4.213	ug/L	4.765	113.1	-3.926
As1891_A		0.4514	ug/L	0.6042	133.8	0.3986
Au2427_A		0.1087	ug/L	0.4557	419.1	3.013

CCB

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 12:33:01AM

Method Revision: 1,319

Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
B_2089_A		0.2386	ug/L	0.4037	169.2	2.707
Ba4554_R		0.1354	ug/L	0.2361	174.3	33.43
Be3130_R		0.006271	ug/L	0.06052	965.1	-18.16
Ca3158_R		9.382	ug/L	6.964	74.23	-15.92
Cd2265_A		0.03328	ug/L	0.02082	62.54	-1.311
Co2286_A		-0.2393	ug/L	0.09705	40.56	1.822
Cr2677_A		0.03498	ug/L	0.3463	990.1	5.501
Cu3273_A		-0.2959	ug/L	0.04989	16.86	56.16
Fe2599_R		3.279	ug/L	3.082	94.02	65.08
K_7664_R		0.2087	ug/L	34.06	16,320	-15.66
Li6707_R		-0.1761	ug/L	0.6940	394.1	-38.09
Mg2025_A		-4.616	ug/L	4.397	95.25	-1.531
Mn2576_R		0.01949	ug/L	0.2331	1,196	-0.2179
Mo2020_A		3.155	ug/L	1.048	33.23	8.995
Na5895_R		-11.83	ug/L	2.806	23.71	61.64
Ni2316_A		-0.2355	ug/L	0.3960	168.2	0.3507
Pb2203_A		-0.5481	ug/L	0.3723	67.93	-1.807
Sb2068_A		0.3193	ug/L	0.5610	175.7	0.3749
Se1960_A		2.406	ug/L	1.362	56.63	1.307
Si2516_R		20.32	ug/L	35.61	175.3	33.33
Sn1899_A		0.09075	ug/L	0.2369	261.0	0.6361
Sr4215_R		-0.1341	ug/L	0.08095	60.37	-134.2
Ti3349_A		0.9243	ug/L	0.02163	2.341	16.61
Tl1908_A		-0.3211	ug/L	0.6921	215.5	-0.9231
V_2924_A		0.1626	ug/L	0.1002	61.63	0.05815
Zn2062_A		-0.2674	ug/L	0.1055	39.47	0.04205
Y_3600_R		35,798	Cts/S	399.10	1.1149	35,798
Y_2243_A		7,393.7	Cts/S	25.024	0.33845	7,393.7
Y_3600_A		308,150	Cts/S	438.04	0.14216	308,150

PBWHG02ICW2

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 12:37:40AM

Method Revision: 1,319

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.1032	ug/L	0.1668	161.6	-2.413
Al3961_R		16.03	ug/L	0.3486	2.175	9.407
As1891_A		-1.019	ug/L	0.7173	70.39	0.05126
Au2427_A		0.5150	ug/L	0.1079	20.94	4.463
B_2089_A		1.524	ug/L	0.6261	41.08	3.667
Ba4554_R		0.1728	ug/L	0.06575	38.05	35.75
Be3130_R		0.002418	ug/L	0.02396	990.8	-18.61
Ca3158_R		18.79	ug/L	0.9405	5.004	2.610
Cd2265_A		0.06032	ug/L	0.01155	19.15	-0.9723
Co2286_A		-0.04787	ug/L	0.1031	215.5	2.437
Cr2677_A		-0.4810	ug/L	0.06715	13.96	-2.141
Cu3273_A		-0.2572	ug/L	0.4401	171.1	56.28
Fe2599_R		-7.009	ug/L	0.8167	11.65	39.45
K_7664_R		-14.01	ug/L	10.64	75.96	-27.08
Li6707_R		-0.3818	ug/L	0.04965	13.00	-40.39
Mg2025_A		30.31	ug/L	12.56	41.43	4.033
Mn2576_R		-0.1647	ug/L	0.2272	137.9	-2.531
Mo2020_A		-0.4088	ug/L	0.3114	76.17	3.336
Na5895_R		-4.904	ug/L	4.845	98.79	77.16
Ni2316_A		-0.5568	ug/L	0.2372	42.60	-0.1167
Pb2203_A		-1.028	ug/L	0.1419	13.81	-2.228
Sb2068_A		-0.2734	ug/L	1.022	373.7	0.2069

PBWHG02ICW2

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 12:37:40AM

Method Revision: 1,319

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Se1960_A		-0.7826	ug/L	0.3815	48.74	0.8087
Si2516_R		-1.291	ug/L	1.416	109.7	19.42
Sn1899_A		-0.04856	ug/L	0.2290	471.7	0.5787
Sr4215_R		-0.1116	ug/L	0.005257	4.710	-132.1
Ti3349_A		-0.01086	ug/L	0.4142	3,816	-13.24
Ti1908_A		-0.07926	ug/L	1.254	1,582	-0.8318
V_2924_A		0.008908	ug/L	0.07174	805.3	-1.916
Zn2062_A		0.4023	ug/L	0.2782	69.15	1.484
Y_3600_R		35,653	Cts/S	23.098	0.064786	35,653
Y_2243_A		7,354.8	Cts/S	29.190	0.39688	7,354.8
Y_3600_A		305,060	Cts/S	189.04	0.061969	305,060

LCSWHG02ICW2

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 12:42:20AM

Method Revision: 1,319

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.001431	ug/L	0.2259	15,780	-4.963
Al3961_R		13.40	ug/L	7.257	54.18	6.384
As1891_A		18.11	ug/L	0.4615	2.548	4.581
Au2427_A	W	1,084	ug/L	2.209	0.2038	3,963
B_2089_A		2.275	ug/L	0.002728	0.1199	4.331
Ba4554_R		1.344	ug/L	0.03471	2.582	117.0
Be3130_R		-0.02932	ug/L	0.03571	121.8	-23.45
Ca3158_R		26.53	ug/L	5.394	20.34	18.01
Cd2265_A		0.01444	ug/L	0.006109	42.32	-1.573
Co2286_A		-0.1041	ug/L	0.2472	237.5	2.277
Cr2677_A		-0.3206	ug/L	0.07349	22.92	0.2284
Cu3273_A		0.1903	ug/L	0.1169	61.42	65.46
Fe2599_R		-6.691	ug/L	0.2032	3.037	40.79
K_7664_R		33.04	ug/L	7.870	23.82	10.59
Li6707_R		0.3134	ug/L	0.4395	140.2	-32.40
Mg2025_A		0.6586	ug/L	2.411	366.1	-0.7060
Mn2576_R		0.8530	ug/L	0.1402	16.44	10.49
Mo2020_A		-1.107	ug/L	0.0002440	0.02200	2.264
Na5895_R		88.71	ug/L	3.766	4.246	294.5
Ni2316_A		-0.6338	ug/L	0.2445	38.57	-0.2300
Pb2203_A		0.009545	ug/L	0.1230	1,288	-1.307
Sb2068_A		0.3577	ug/L	1.223	342.0	0.3881
Se1960_A		-5.199	ug/L	2.278	43.82	0.1287
Si2516_R		-3.047	ug/L	2.706	88.81	18.58
Sn1899_A		0.2607	ug/L	0.7820	299.9	0.7073
Sr4215_R		0.1621	ug/L	0.07103	43.81	-113.8
Ti3349_A		-0.07293	ug/L	0.1086	149.0	-15.66
Ti1908_A		-0.4530	ug/L	1.654	365.1	-0.9752
V_2924_A		0.3139	ug/L	0.1047	33.36	3.195
Zn2062_A		1.174	ug/L	0.02635	2.244	3.184
Y_3600_R		36,153	Cts/S	547.44	1.5142	36,153
Y_2243_A		7,442.9	Cts/S	5.3929	0.072457	7,442.9
Y_3600_A		314,200	Cts/S	544.62	0.17333	314,200

LC2WHG02ICW2

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 12:47:00AM

Method Revision: 1,319

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.2548	ug/L	0.1416	55.57	0.6750

LC2WHG02ICW2

Method Name: K6010-2011

Method Revision: 1,319

Analyst Name: EAM

Acquire Date: 7/3/2014 12:47:00AM

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Al3961_R		6.080	ug/L	3.598	59.18	-2.019
As1891_A		18.76	ug/L	0.2390	1.274	4.739
Au2427_A	W	1,091	ug/L	8.439	0.7739	3,992
B_2089_A		2.239	ug/L	0.1974	8.819	4.293
Ba4554_R		1.585	ug/L	0.07250	4.573	131.2
Be3130_R		0.03433	ug/L	0.01536	44.72	-13.90
Ca3158_R		6.797	ug/L	0.5600	8.239	-20.92
Cd2265_A		-0.008419	ug/L	0.05342	634.5	-1.780
Co2286_A		0.4631	ug/L	0.01239	2.675	4.179
Cr2677_A		-0.2211	ug/L	0.1729	78.19	1.724
Cu3273_A		0.06978	ug/L	0.1490	213.6	62.89
Fe2599_R		83.70	ug/L	0.8736	1.044	261.4
K_7664_R		-15.80	ug/L	30.73	194.5	-28.39
Li6707_R		0.8798	ug/L	2.355	267.6	-24.83
Mg2025_A		-8.406	ug/L	3.310	39.37	-2.154
Mn2576_R		1.008	ug/L	0.3284	32.59	12.23
Mo2020_A		-1.439	ug/L	0.1895	13.17	1.736
Na5895_R		-4.388	ug/L	12.35	281.4	77.97
Ni2316_A		-0.1584	ug/L	0.3421	216.0	0.4487
Pb2203_A		0.2841	ug/L	0.5628	198.1	-1.053
Sb2068_A		-0.4795	ug/L	0.08737	18.22	0.1500
Se1960_A		-8.054	ug/L	2.143	26.60	-0.3162
Si2516_R		3.054	ug/L	5.628	184.3	22.04
Sn1899_A		0.8129	ug/L	0.1745	21.47	0.9248
Sr4215_R		-0.2696	ug/L	0.1422	52.74	-142.8
Ti3349_A		-0.01344	ug/L	0.05370	399.6	-13.61
Ti1908_A		-0.7265	ug/L	0.2490	34.28	-1.073
V_2924_A		0.5983	ug/L	0.08420	14.07	7.917
Zn2062_A		1.246	ug/L	0.08597	6.897	3.345
Y_3600_R		35,473	Cts/S	103.81	0.29265	35,473
Y_2243_A		7,450.4	Cts/S	9.5461	0.12813	7,450.4
Y_3600_A		311,510	Cts/S	248.23	0.079687	311,510

SH4870-001

Method Name: K6010-2011

Method Revision: 1,319

Analyst Name: EAM

Acquire Date: 7/3/2014 12:51:40AM

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		7.169	ug/L	1.291	18.01	-1.473
Al3961_R		96.95	ug/L	553.9	571.3	-6.717
As1891_A		31.26	ug/L	9.817	31.41	0.4324
Au2427_A	W	411,700	ug/L	159.5	0.03874	29,550
B_2089_A		84.00	ug/L	26.30	31.30	3.734
Ba4554_R		-4.649	ug/L	12.49	268.7	17.54
Be3130_R		-1.393	ug/L	2.027	145.6	-22.83
Ca3158_R		641.8	ug/L	2.420	0.3770	-9.088
Cd2265_A		0.07708	ug/L	0.9516	1,235	-1.717
Co2286_A		-6.702	ug/L	4.273	63.75	2.146
Cr2677_A		5.206	ug/L	11.71	225.0	6.467
Cu3273_A		-3.453	ug/L	23.16	670.8	59.29
Fe2599_R		-239.1	ug/L	138.2	57.81	44.74
K_7664_R		440,500	ug/L	4,779	1.085	6,969
Li6707_R		-45.62	ug/L	142.7	312.8	-46.54
Mg2025_A		-533.9	ug/L	101.3	18.96	-2.493
Mn2576_R		-1.559	ug/L	4.712	302.2	-0.8419
Mo2020_A		-82.02	ug/L	9.831	11.99	1.388
Na5895_R	W	1,495,000	ug/L	12,360	0.8269	67,930

SH4870-001

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 12:51:40AM

Method Revision: 1,319

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ni2316_A		534.8	ug/L	17.99	3.365	15.85
Pb2203_A		-35.71	ug/L	4.751	13.31	-1.928
Sb2068_A		0.3919	ug/L	8.129	2,074	0.2850
Se1960_A		2.087	ug/L	122.1	5,850	0.9297
Si2516_R		-580.8	ug/L	62.41	10.75	12.84
Sn1899_A		-27.77	ug/L	16.01	57.65	0.3799
Sr4215_R		-3.955	ug/L	2.875	72.70	-129.1
Ti3349_A		-3.524	ug/L	4.140	117.5	-15.13
Ti1908_A		339.2	ug/L	7.529	2.220	1.554
V_2924_A		13.85	ug/L	7.844	56.64	2.544
Zn2062_A		29.50	ug/L	3.415	11.57	1.876
Y_3600_R		35,487	Cts/S	222.91	0.62815	35,487
Y_2243_A		7,308.2	Cts/S	5.0176	0.068656	7,308.2
Y_3600_A		304,730	Cts/S	1,314.9	0.43151	304,730

PBWHF24ICW2

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 12:56:20AM

Method Revision: 1,319

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.01007	ug/L	0.2173	2,158	-4.738
Al3961_R		3.934	ug/L	8.997	228.7	-4.639
As1891_A		0.7606	ug/L	0.5862	77.08	0.4787
Au2427_A		3.593	ug/L	0.08559	2.382	15.98
B_2089_A		1.257	ug/L	0.3712	29.52	3.478
Ba4554_R		0.1540	ug/L	0.08255	53.60	35.49
Be3130_R		-0.04065	ug/L	0.009277	22.82	-25.53
Ca3158_R		0.2256	ug/L	3.504	1,554	-34.99
Cd2265_A		0.05352	ug/L	0.01075	20.08	-1.097
Co2286_A		-0.1676	ug/L	0.02811	16.77	2.091
Cr2677_A		-0.4885	ug/L	0.004566	0.9346	-2.342
Cu3273_A		0.01892	ug/L	0.1961	1,037	63.21
Fe2599_R		-17.59	ug/L	0.8224	4.676	13.80
K_7664_R		3.945	ug/L	14.09	357.2	-13.17
Li6707_R		0.9998	ug/L	0.3477	34.77	-24.24
Mg2025_A		-11.39	ug/L	2.927	25.70	-2.691
Mn2576_R		-0.2256	ug/L	0.02433	10.79	-3.398
Mo2020_A		-1.921	ug/L	0.06802	3.540	0.9785
Na5895_R		14.36	ug/L	0.4931	3.433	124.7
Ni2316_A		-0.7172	ug/L	0.07064	9.849	-0.3556
Pb2203_A		-0.3315	ug/L	0.06032	18.20	-1.638
Sb2068_A		-0.9945	ug/L	0.2906	29.22	0.004661
Se1960_A		-1.368	ug/L	2.303	168.3	0.7361
Si2516_R		-1.057	ug/L	3.732	353.0	20.14
Sn1899_A		0.4135	ug/L	0.2534	61.28	0.7774
Sr4215_R		0.05217	ug/L	0.04432	84.96	-123.8
Ti3349_A		-0.2924	ug/L	0.02553	8.732	-23.06
Ti1908_A		-1.474	ug/L	0.3103	21.05	-1.354
V_2924_A		0.1667	ug/L	0.1912	114.7	0.8826
Zn2062_A		0.1855	ug/L	0.01820	9.812	1.044
Y_3600_R		36,710	Cts/S	92.320	0.25149	36,710
Y_2243_A		7,543.4	Cts/S	17.199	0.22800	7,543.4
Y_3600_A		317,280	Cts/S	127.27	0.040112	317,280

LCSWHF24ICW2

Method Name: K6010-2011
Analyst Name: EAM

Method Revision: 1,319

LCSWHF24ICW2

Method Name: K6010-2011

Method Revision: 1,319

Analyst Name: EAM

Acquire Date: 7/3/2014 1:00:59AM

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		48.86	ug/L	0.1721	0.3521	1,152
Al3961_R		1,952	ug/L	17.23	0.8825	2,302
As1891_A		93.38	ug/L	0.2670	0.2859	22.47
Au2427_A		-0.09082	ug/L	0.1776	195.5	4.108
B_2089_A		467.5	ug/L	0.02861	0.006120	411.7
Ba4554_R		1,970	ug/L	26.95	1.368	137,700
Be3130_R		49.10	ug/L	0.8121	1.654	7,242
Ca3158_R		2,399	ug/L	29.16	1.215	4,820
Cd2265_A		246.2	ug/L	0.8316	0.3377	3,156
Co2286_A		500.6	ug/L	1.250	0.2497	1,675
Cr2677_A		202.1	ug/L	0.5470	0.2707	3,006
Cu3273_A		251.1	ug/L	0.8490	0.3381	4,165
Fe2599_R		965.0	ug/L	15.41	1.597	2,498
K_7664_R		9,378	ug/L	164.4	1.753	7,655
Li6707_R		467.1	ug/L	4.391	0.9401	5,817
Mg2025_A		4,848	ug/L	8.570	0.1768	797.4
Mn2576_R		486.4	ug/L	7.565	1.555	6,314
Mo2020_A		283.9	ug/L	4.247	1.496	455.4
Na5895_R		6,919	ug/L	61.12	0.8832	16,290
Ni2316_A		498.6	ug/L	1.313	0.2633	719.6
Pb2203_A		98.93	ug/L	0.3510	0.3548	88.34
Sb2068_A		96.78	ug/L	1.266	1.308	26.64
Se1960_A		95.91	ug/L	2.648	2.761	15.86
Si2516_R		4,565	ug/L	84.12	1.843	2,978
Sn1899_A		495.5	ug/L	1.343	0.2711	194.6
Sr4215_R		490.4	ug/L	6.368	1.299	36,270
Ti3349_A		455.0	ug/L	0.8178	0.1797	14,540
Tl1908_A		93.85	ug/L	2.078	2.214	32.05
V_2924_A		494.0	ug/L	0.8739	0.1769	8,026
Zn2062_A		495.0	ug/L	1.434	0.2898	1,076
Y_3600_R		36,618	Cts/S	55.295	0.15100	36,618
Y_2243_A		7,426.4	Cts/S	2.9365	0.039542	7,426.4
Y_3600_A		307,800	Cts/S	817.22	0.26550	307,800

SH4016-031

Method Name: K6010-2011

Method Revision: 1,319

Analyst Name: EAM

Acquire Date: 7/3/2014 1:05:30AM

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.2357	ug/L	0.1339	56.83	-3.325
Al3961_R		26.83	ug/L	10.53	39.24	22.28
As1891_A		0.8817	ug/L	0.2079	23.58	0.4999
Au2427_A		-0.3177	ug/L	0.2042	64.27	1.938
B_2089_A		0.9819	ug/L	0.02611	2.659	3.321
Ba4554_R		1.358	ug/L	0.2960	21.80	118.9
Be3130_R		-0.07110	ug/L	0.005654	7.952	-29.97
Ca3158_R		229.2	ug/L	1.268	0.5533	426.4
Cd2265_A		0.01391	ug/L	0.02720	195.6	-0.9095
Co2286_A		0.2920	ug/L	0.06514	22.31	3.627
Cr2677_A		64.94	ug/L	0.005523	0.008505	993.1
Cu3273_A		11.74	ug/L	0.2387	2.034	259.8
Fe2599_R		680.5	ug/L	6.620	0.9729	1,771
K_7664_R		-9.384	ug/L	9.955	106.1	-23.88
Li6707_R		0.1636	ug/L	0.1690	103.3	-34.50
Mg2025_A		8.542	ug/L	4.872	57.03	0.5957
Mn2576_R		82.73	ug/L	0.9260	1.119	1,069
Mo2020_A		0.6435	ug/L	0.5957	92.58	5.130

SH4016-031

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 1:05:30AM

Method Revision: 1,319

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		67.73	ug/L	2.113	3.120	248.2
Ni2316_A		0.9342	ug/L	0.5998	64.20	2.001
Pb2203_A		-0.8103	ug/L	0.1728	21.33	-2.098
Sb2068_A		0.2468	ug/L	0.5988	242.6	0.5863
Se1960_A		1.096	ug/L	1.455	132.7	1.127
Si2516_R		20.57	ug/L	5.383	26.17	33.92
Sn1899_A		0.1974	ug/L	0.7426	376.1	0.6910
Sr4215_R		0.4909	ug/L	0.1981	40.36	-90.50
Ti3349_A		1.038	ug/L	0.1168	11.25	20.96
Tl1908_A		-2.147	ug/L	0.2458	11.45	-1.638
V_2924_A		0.4547	ug/L	0.1118	24.60	-0.8408
Zn2062_A		11.14	ug/L	0.04302	0.3863	25.04
Y_3600_R		36,464	Cts/S	341.43	0.93634	36,464
Y_2243_A		7,538.1	Cts/S	1.1436	0.015171	7,538.1
Y_3600_A		315,480	Cts/S	1,302.4	0.41284	315,480

SH4256-001

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 1:10:10AM

Method Revision: 1,319

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.2226	ug/L	0.09057	40.69	-9.438
Al3961_R		333.3	ug/L	3.583	1.075	383.3
As1891_A		0.3820	ug/L	0.7350	192.4	0.3599
Au2427_A		0.09600	ug/L	1.043	1,086	3.600
B_2089_A		3.363	ug/L	0.2597	7.723	5.271
Ba4554_R		23.56	ug/L	0.2313	0.9816	1,673
Be3130_R		-0.009890	ug/L	0.03581	362.1	-21.69
Ca3158_R		1,791	ug/L	17.52	0.9782	3,594
Cd2265_A		0.07682	ug/L	0.03039	39.56	0.8859
Co2286_A		0.6319	ug/L	0.1581	25.02	4.839
Cr2677_A		-0.3388	ug/L	0.05695	16.81	0.1023
Cu3273_A		-0.03224	ug/L	0.1704	528.5	61.44
Fe2599_R		1,652	ug/L	20.58	1.246	4,240
K_7664_R		697.6	ug/L	10.75	1.541	555.1
Li6707_R		2.710	ug/L	1.176	43.38	-2.719
Mg2025_A		768.2	ug/L	1.029	0.1339	123.5
Mn2576_R		60.74	ug/L	0.3745	0.6166	789.3
Mo2020_A		-1.315	ug/L	0.2420	18.40	1.938
Na5895_R		4,240	ug/L	37.11	0.8753	10,030
Ni2316_A		0.2693	ug/L	0.2318	86.08	0.9258
Pb2203_A		0.05792	ug/L	0.3668	633.2	-1.242
Sb2068_A		-0.9361	ug/L	0.2461	26.30	0.02841
Se1960_A		-2.536	ug/L	2.427	95.72	0.5523
Si2516_R		3,382	ug/L	20.16	0.5960	2,212
Sn1899_A		1.362	ug/L	0.6004	44.08	1.142
Sr4215_R		11.72	ug/L	0.04444	0.3792	743.3
Ti3349_A		7.998	ug/L	0.2591	3.239	248.5
Tl1908_A		-0.2619	ug/L	0.2219	84.72	-0.9454
V_2924_A		1.540	ug/L	0.1122	7.282	23.21
Zn2062_A		15.64	ug/L	0.3190	2.039	34.80
Y_3600_R		36,667	Cts/S	93.017	0.25368	36,667
Y_2243_A		7,463.3	Cts/S	20.260	0.27146	7,463.3
Y_3600_A		315,200	Cts/S	1,414.9	0.44890	315,200

SH4256-003

Method Name: K6010-2011

Method Revision: 1,319

SH4256-003

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 1:14:48AM

Method Revision: 1,319

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.2887	ug/L	0.05278	18.28	0.1750
Al3961_R		228.8	ug/L	6.936	3.031	264.8
As1891_A		-0.8820	ug/L	0.03830	4.342	0.07873
Au2427_A		-0.1175	ug/L	0.6184	526.3	2.338
B_2089_A		1.121	ug/L	0.1971	17.59	3.303
Ba4554_R		14.18	ug/L	0.3549	2.502	1,035
Be3130_R		0.01413	ug/L	0.004129	29.23	-18.11
Ca3158_R		491.0	ug/L	13.71	2.792	976.3
Cd2265_A		0.03421	ug/L	0.005835	17.06	-1.001
Co2286_A		0.2469	ug/L	0.03297	13.35	3.470
Cr2677_A		-0.4138	ug/L	0.1736	41.96	-1.148
Cu3273_A		-0.01155	ug/L	0.05702	493.6	61.94
Fe2599_R		303.3	ug/L	9.131	3.011	840.6
K_7664_R		135.7	ug/L	2.730	2.012	96.43
Li6707_R		0.7275	ug/L	0.7182	98.71	-28.01
Mg2025_A		230.9	ug/L	2.296	0.9941	36.26
Mn2576_R		20.58	ug/L	0.6257	3.040	271.8
Mo2020_A		-1.706	ug/L	0.06612	3.876	1.301
Na5895_R		364.1	ug/L	11.47	3.151	960.9
Ni2316_A		0.09658	ug/L	0.01839	19.05	0.7914
Pb2203_A		-0.4732	ug/L	0.001427	0.3015	-1.749
Sb2068_A		-0.2321	ug/L	0.8614	371.2	0.2230
Se1960_A		-0.6712	ug/L	2.284	340.3	0.8323
Si2516_R		3,445	ug/L	82.51	2.395	2,293
Sn1899_A		0.2227	ug/L	0.8450	379.4	0.6885
Sr4215_R		5.386	ug/L	0.1050	1.949	277.5
Ti3349_A		4.349	ug/L	0.2504	5.758	128.7
Tl1908_A		-0.2236	ug/L	0.3363	150.4	-0.9017
V_2924_A		0.7352	ug/L	0.1665	22.65	10.15
Zn2062_A		7.560	ug/L	0.01123	0.1486	17.00
Y_3600_R		37,320	Cts/S	875.26	2.3453	37,320
Y_2243_A		7,401.3	Cts/S	6.7880	0.091714	7,401.3
Y_3600_A		314,460	Cts/S	1,104.2	0.35113	314,460

SH4256-005

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 1:19:28AM

Method Revision: 1,319

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.2263	ug/L	0.1237	54.68	-4.575
Al3961_R		130.3	ug/L	6.986	5.362	139.4
As1891_A		-0.7519	ug/L	0.6652	88.47	0.1012
Au2427_A		0.4626	ug/L	0.4602	99.48	4.575
B_2089_A		1.876	ug/L	0.4063	21.66	3.956
Ba4554_R		11.05	ug/L	0.0002820	0.002556	771.8
Be3130_R		-0.01934	ug/L	0.01153	59.60	-21.84
Ca3158_R		551.6	ug/L	12.90	2.339	1,047
Cd2265_A		-0.01251	ug/L	0.02568	205.3	-1.049
Co2286_A		0.1914	ug/L	0.2051	107.1	3.293
Cr2677_A		-0.3125	ug/L	0.2706	86.59	0.4148
Cu3273_A		-0.07253	ug/L	0.3153	434.8	60.28
Fe2599_R		866.0	ug/L	17.91	2.068	2,177
K_7664_R		284.2	ug/L	1.951	0.6865	209.4
Li6707_R		1.636	ug/L	0.6614	40.41	-15.55
Mg2025_A		307.9	ug/L	0.4782	0.1553	48.79
Mn2576_R		13.14	ug/L	0.5539	4.215	164.8
Mo2020_A		-1.884	ug/L	0.1323	7.024	1.023

SH4256-005

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 1:19:28AM

Method Revision: 1,319

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		349.8	ug/L	9.471	2.707	881.0
Ni2316_A		-0.1403	ug/L	0.2723	194.2	0.4008
Pb2203_A		8.295	ug/L	0.2772	3.342	6.265
Sb2068_A		-0.04308	ug/L	1.893	4,393	0.2818
Se1960_A		0.5317	ug/L	0.03806	7.159	1.025
Si2516_R		2,878	ug/L	79.58	2.765	1,824
Sn1899_A		-0.3282	ug/L	0.5261	160.3	0.4749
Sr4215_R		5.782	ug/L	0.3007	5.200	292.7
Ti3349_A		2.580	ug/L	0.02006	0.7776	70.15
Tl1908_A		-0.6480	ug/L	0.7780	120.1	-1.049
V_2924_A		0.5530	ug/L	0.2802	50.67	7.170
Zn2062_A		5.751	ug/L	0.05943	1.033	13.13
Y_3600_R		35,477	Cts/S	1,258.8	3.5482	35,477
Y_2243_A		7,429.1	Cts/S	17.163	0.23102	7,429.1
Y_3600_A		311,000	Cts/S	3,659.9	1.1768	311,000

CCV

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 1:24:06AM

Method Revision: 1,319

Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		497.1	ug/L	0.3812	0.07669	11,590
Al3961_R		12,650	ug/L	105.5	0.8336	14,330
As1891_A		497.2	ug/L	0.9168	0.1844	114.2
Au2427_A		497.2	ug/L	5.550	1.116	1,765
B_2089_A		503.3	ug/L	0.6496	0.1291	435.7
Ba4554_R		507.3	ug/L	3.522	0.6942	34,120
Be3130_R		501.4	ug/L	5.428	1.083	71,470
Ca3158_R		12,740	ug/L	131.2	1.030	24,770
Cd2265_A		510.1	ug/L	0.1819	0.03566	6,351
Co2286_A		512.5	ug/L	0.7547	0.1473	1,663
Cr2677_A		508.7	ug/L	0.5422	0.1066	7,430
Cu3273_A		509.0	ug/L	0.9933	0.1952	8,255
Fe2599_R		12,610	ug/L	188.7	1.497	30,720
K_7664_R		12,490	ug/L	140.3	1.123	9,814
Li6707_R		508.1	ug/L	8.047	1.584	6,090
Mg2025_A		12,910	ug/L	14.30	0.1108	2,033
Mn2576_R		502.8	ug/L	7.419	1.475	6,281
Mo2020_A		499.6	ug/L	4.734	0.9477	774.2
Na5895_R		12,750	ug/L	130.2	1.021	28,790
Ni2316_A		507.9	ug/L	1.355	0.2669	710.1
Pb2203_A		515.9	ug/L	0.2159	0.04185	452.9
Sb2068_A		500.4	ug/L	2.424	0.4845	137.5
Se1960_A		497.2	ug/L	3.336	0.6709	75.99
Si2516_R		12,560	ug/L	122.1	0.9720	7,842
Sn1899_A		511.2	ug/L	0.4212	0.08239	194.7
Sr4215_R		506.3	ug/L	4.183	0.8261	36,030
Ti3349_A		502.9	ug/L	1.122	0.2231	15,800
Tl1908_A		517.7	ug/L	0.2436	0.04705	176.0
V_2924_A		503.6	ug/L	0.3271	0.06494	7,993
Zn2062_A		508.7	ug/L	0.4658	0.09157	1,072
Y_3600_R		35,228	Cts/S	359.18	1.0196	35,228
Y_2243_A		7,200.9	Cts/S	0.40545	0.0056310	7,200.9
Y_3600_A		302,620	Cts/S	361.72	0.11953	302,620

CCB

Method Name: K6010-2011

Method Revision: 1,319

CCB

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 1:28:32AM

Method Revision: 1,319

Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.1183	ug/L	0.1030	87.06	-2.113
Al3961_R		-3.481	ug/L	3.014	86.59	-12.98
As1891_A		1.428	ug/L	0.4024	28.18	0.6261
Au2427_A		0.4769	ug/L	0.2995	62.80	4.338
B_2089_A		-0.1898	ug/L	0.1341	70.64	2.306
Ba4554_R		0.2191	ug/L	0.09758	44.54	39.43
Be3130_R		-0.04266	ug/L	0.05722	134.1	-25.54
Ca3158_R		-2.742	ug/L	1.642	59.88	-40.38
Cd2265_A		0.04264	ug/L	0.008570	20.10	-1.196
Co2286_A		-0.09433	ug/L	0.03411	36.16	2.296
Cr2677_A		-0.1303	ug/L	0.2047	157.1	3.059
Cu3273_A		-0.2646	ug/L	0.2357	89.08	56.83
Fe2599_R		-2.400	ug/L	1.004	41.86	51.49
K_7664_R		4.707	ug/L	5.820	123.6	-12.33
Li6707_R		0.05728	ug/L	0.6143	1,072	-35.53
Mg2025_A		-16.89	ug/L	1.897	11.23	-3.491
Mn2576_R		-0.1670	ug/L	0.01763	10.56	-2.594
Mo2020_A		2.250	ug/L	0.5514	24.51	7.543
Na5895_R		-14.11	ug/L	8.854	62.74	56.96
Ni2316_A		0.3183	ug/L	0.3458	108.6	1.141
Pb2203_A		-0.3427	ug/L	1.106	322.6	-1.616
Sb2068_A		0.06700	ug/L	0.1312	195.8	0.3040
Se1960_A		3.434	ug/L	0.4263	12.41	1.462
Si2516_R		-4.066	ug/L	1.753	43.11	17.94
Sn1899_A		-0.3039	ug/L	0.1572	51.71	0.4811
Sr4215_R		0.04286	ug/L	0.06465	150.8	-122.6
Ti3349_A		0.7744	ug/L	0.2973	38.39	11.84
Tl1908_A		0.3176	ug/L	1.072	337.7	-0.6965
V_2924_A		-0.006319	ug/L	0.05102	807.3	-2.577
Zn2062_A		0.02479	ug/L	0.06479	261.3	0.6734
Y_3600_R		36,147	Cts/S	67.268	0.18610	36,147
Y_2243_A		7,373.9	Cts/S	10.467	0.14195	7,373.9
Y_3600_A		308,900	Cts/S	492.74	0.15951	308,900

SH4256-009

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 1:33:12AM

Method Revision: 1,319

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.5111	ug/L	0.04553	8.909	4.950
Al3961_R		236.8	ug/L	10.12	4.273	264.6
As1891_A		0.8064	ug/L	0.8568	106.2	0.4786
Au2427_A		-0.001489	ug/L	1.030	69,200	2.813
B_2089_A		1.919	ug/L	0.1474	7.681	4.044
Ba4554_R		17.18	ug/L	0.5366	3.124	1,204
Be3130_R		-0.02495	ug/L	0.01163	46.63	-23.13
Ca3158_R		5,000	ug/L	36.71	0.7343	9,909
Cd2265_A		0.02452	ug/L	0.04947	201.8	-1.030
Co2286_A		0.1529	ug/L	0.07011	45.85	3.180
Cr2677_A		-0.004933	ug/L	0.03457	700.7	5.022
Cu3273_A		0.5523	ug/L	0.4641	84.03	70.79
Fe2599_R		406.9	ug/L	5.829	1.432	1,068
K_7664_R		226.3	ug/L	14.05	6.208	165.9
Li6707_R		-0.2413	ug/L	0.4464	185.0	-39.02
Mg2025_A		337.1	ug/L	0.2273	0.06744	53.69
Mn2576_R		23.68	ug/L	0.7414	3.130	301.8
Mo2020_A		-0.7265	ug/L	0.3161	43.51	2.874

SH4256-009

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 1:33:12AM

Method Revision: 1,319

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		1,148	ug/L	6.058	0.5277	2,730
Ni2316_A		-0.07787	ug/L	0.07189	92.32	0.5369
Pb2203_A		-0.2735	ug/L	0.05367	19.62	-1.577
Sb2068_A		-1.108	ug/L	1.556	140.4	-0.02255
Se1960_A		-2.113	ug/L	0.08101	3.835	0.6136
Si2516_R		3,601	ug/L	41.63	1.156	2,311
Sn1899_A		0.1121	ug/L	0.01859	16.59	0.6498
Sr4215_R		9.075	ug/L	0.1924	2.120	536.6
Ti3349_A		4.167	ug/L	0.2232	5.356	121.8
Tl1908_A		-0.3852	ug/L	1.035	268.7	-0.9673
V_2924_A		1.058	ug/L	0.1535	14.50	15.22
Zn2062_A		5.741	ug/L	0.1392	2.425	13.15
Y_3600_R		35,985	Cts/S	257.23	0.71485	35,985
Y_2243_A		7,454.3	Cts/S	4.5831	0.061483	7,454.3
Y_3600_A		311,800	Cts/S	141.04	0.045235	311,800

SH4256-011

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 1:37:51AM

Method Revision: 1,319

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.6580	ug/L	0.3520	53.50	-66.08
Al3961_R		15,320	ug/L	169.9	1.109	17,960
As1891_A		0.2585	ug/L	0.1321	51.09	0.1862
Au2427_A		0.5379	ug/L	0.4336	80.60	8.539
B_2089_A		4.093	ug/L	0.1215	2.968	5.866
Ba4554_R		206.0	ug/L	2.023	0.9823	14,380
Be3130_R		0.07339	ug/L	0.005476	7.462	-40.46
Ca3158_R		4,746	ug/L	34.21	0.7207	9,545
Cd2265_A		-0.02647	ug/L	0.01599	60.39	10.91
Co2286_A		2.537	ug/L	0.2109	8.311	13.84
Cr2677_A		9.037	ug/L	0.03085	0.3414	140.1
Cu3273_A		10.37	ug/L	0.3902	3.764	217.9
Fe2599_R		12,770	ug/L	162.4	1.272	32,260
K_7664_R		3,844	ug/L	47.70	1.241	3,120
Li6707_R		2.467	ug/L	0.02940	1.192	-5.766
Mg2025_A		1,277	ug/L	7.981	0.6250	204.2
Mn2576_R		255.3	ug/L	1.001	0.3920	3,306
Mo2020_A		-0.7286	ug/L	0.02175	2.985	2.839
Na5895_R		1,264	ug/L	8.259	0.6534	3,042
Ni2316_A		4.133	ug/L	0.1562	3.780	5.457
Pb2203_A		9.579	ug/L	0.4633	4.837	6.236
Sb2068_A		-1.088	ug/L	1.534	141.0	0.1656
Se1960_A		1.310	ug/L	1.120	85.50	1.224
Si2516_R		10,830	ug/L	86.07	0.7946	7,014
Sn1899_A		0.7815	ug/L	0.3987	51.02	0.9061
Sr4215_R		39.17	ug/L	0.3089	0.7888	2,772
Ti3349_A		336.3	ug/L	3.937	1.171	10,750
Tl1908_A		-2.438	ug/L	0.8649	35.48	-1.980
V_2924_A		38.45	ug/L	0.3308	0.8603	628.5
Zn2062_A		34.90	ug/L	0.06757	0.1936	76.15
Y_3600_R		36,524	Cts/S	21.527	0.058941	36,524
Y_2243_A		7,397.1	Cts/S	14.055	0.19000	7,397.1
Y_3600_A		308,160	Cts/S	2,203.6	0.71508	308,160

SH4256-015

Method Name: K6010-2011

Method Revision: 1,319

SH4256-015

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 1:42:28AM

Method Revision: 1,319

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.4865	ug/L	0.1317	27.08	-58.87
Al3961_R		13,260	ug/L	179.4	1.353	15,480
As1891_A		0.5826	ug/L	0.5502	94.45	0.2887
Au2427_A		0.4809	ug/L	0.8267	171.9	7.679
B_2089_A		2.665	ug/L	0.3266	12.26	4.651
Ba4554_R		141.1	ug/L	0.9865	0.6993	9,809
Be3130_R		0.09955	ug/L	0.007072	7.104	-33.29
Ca3158_R		2,262	ug/L	14.71	0.6505	4,509
Cd2265_A		0.03233	ug/L	0.05048	156.1	9.732
Co2286_A		2.321	ug/L	0.1981	8.534	12.85
Cr2677_A		7.234	ug/L	0.02717	0.3756	113.6
Cu3273_A		8.623	ug/L	0.2401	2.784	191.4
Fe2599_R		10,830	ug/L	158.0	1.459	27,240
K_7664_R		2,154	ug/L	16.86	0.7828	1,733
Li6707_R		2.405	ug/L	1.087	45.21	-6.449
Mg2025_A		761.6	ug/L	2.610	0.3427	121.8
Mn2576_R		194.5	ug/L	1.644	0.8453	2,507
Mo2020_A		-1.012	ug/L	0.01596	1.577	2.398
Na5895_R		825.2	ug/L	6.420	0.7780	2,008
Ni2316_A		4.134	ug/L	0.3123	7.554	5.647
Pb2203_A		5.932	ug/L	0.1867	3.148	3.082
Sb2068_A		-0.09677	ug/L	2.491	2,574	0.4212
Se1960_A		0.6949	ug/L	2.136	307.4	1.118
Si2516_R		11,660	ug/L	140.3	1.203	7,509
Sn1899_A		0.1042	ug/L	0.4618	443.2	0.6435
Sr4215_R		24.37	ug/L	0.1835	0.7527	1,669
Ti3349_A		300.8	ug/L	1.799	0.5978	9,654
Tl1908_A		-0.8624	ug/L	0.5567	64.55	-1.377
V_2924_A		30.55	ug/L	0.2547	0.8336	501.6
Zn2062_A		26.71	ug/L	0.08817	0.3301	58.57
Y_3600_R		36,351	Cts/S	328.77	0.90443	36,351
Y_2243_A		7,415.4	Cts/S	15.044	0.20288	7,415.4
Y_3600_A		309,440	Cts/S	1,641.1	0.53034	309,440

SH4256-017

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 1:47:04AM

Method Revision: 1,319

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.1942	ug/L	0.4699	242.0	-0.1875
Al3961_R		6.309	ug/L	7.007	111.1	-1.858
As1891_A		-0.4824	ug/L	0.6309	130.8	0.1774
Au2427_A		0.1187	ug/L	0.1538	129.5	3.063
B_2089_A		0.4973	ug/L	0.1844	37.07	2.774
Ba4554_R		0.1089	ug/L	0.1274	116.9	31.14
Be3130_R		-0.04896	ug/L	0.05169	105.6	-26.04
Ca3158_R		53.99	ug/L	0.5405	1.001	71.51
Cd2265_A		0.05408	ug/L	0.01336	24.70	-1.066
Co2286_A		-0.02770	ug/L	0.04375	158.0	2.540
Cr2677_A		-0.4323	ug/L	0.0007220	0.1669	-1.447
Cu3273_A		-0.1861	ug/L	0.2346	126.1	58.24
Fe2599_R		-11.96	ug/L	0.7362	6.155	27.11
K_7664_R		-39.10	ug/L	5.033	12.87	-46.74
Li6707_R		0.01254	ug/L	1.552	12,370	-35.52
Mg2025_A		-15.27	ug/L	0.007561	0.04952	-3.274
Mn2576_R		-0.04438	ug/L	0.03654	82.34	-0.9997
Mo2020_A		-2.003	ug/L	0.04736	2.365	0.8344

SH4256-017

Method Name: K6010-2011

Method Revision: 1,319

Analyst Name: EAM

Acquire Date: 7/3/2014 1:47:04AM

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		11.38	ug/L	3.738	32.86	113.6
Ni2316_A		-0.3987	ug/L	0.3255	81.63	0.1074
Pb2203_A		-0.6203	ug/L	0.8430	135.9	-1.879
Sb2068_A		-1.522	ug/L	1.585	104.2	-0.1451
Se1960_A		-2.155	ug/L	0.6069	28.16	0.6035
Si2516_R		25.48	ug/L	2.264	8.887	36.05
Sn1899_A		0.3111	ug/L	0.01254	4.030	0.7260
Sr4215_R		0.03201	ug/L	0.1223	382.0	-120.9
Ti3349_A		1.288	ug/L	0.06448	5.007	28.33
Tl1908_A		-0.7120	ug/L	1.840	258.3	-1.064
V_2924_A		0.3099	ug/L	0.3993	128.8	3.209
Zn2062_A		4.192	ug/L	0.1557	3.713	9.746
Y_3600_R		35,437	Cts/S	593.29	1.6742	35,437
Y_2243_A		7,432.7	Cts/S	32.611	0.43875	7,432.7
Y_3600_A		309,760	Cts/S	3,231.0	1.0431	309,760

SH4256-037

Method Name: K6010-2011

Method Revision: 1,319

Analyst Name: EAM

Acquire Date: 7/3/2014 1:51:45AM

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.6651	ug/L	0.03729	5.607	-27.99
Al3961_R		183.7	ug/L	0.5674	0.3089	203.6
As1891_A		0.5182	ug/L	0.6694	129.2	0.3187
Au2427_A		-0.9098	ug/L	0.2128	23.39	3.700
B_2089_A		9.452	ug/L	0.1230	1.301	10.53
Ba4554_R		314.9	ug/L	2.801	0.8897	21,690
Be3130_R		-0.03731	ug/L	0.01571	42.11	-24.91
Ca3158_R		11,670	ug/L	170.3	1.459	23,230
Cd2265_A		-0.01093	ug/L	0.03734	341.6	4.849
Co2286_A		1.847	ug/L	0.2836	15.35	8.986
Cr2677_A		0.09862	ug/L	0.05123	51.94	8.001
Cu3273_A		-0.3455	ug/L	0.08838	25.58	54.55
Fe2599_R		6,751	ug/L	105.9	1.569	16,860
K_7664_R		3,513	ug/L	67.33	1.916	2,813
Li6707_R		-1.806	ug/L	1.355	75.03	-58.46
Mg2025_A		1,883	ug/L	0.1113	0.005914	305.1
Mn2576_R		829.2	ug/L	13.82	1.666	10,600
Mo2020_A		-1.893	ug/L	0.008967	0.4737	1.018
Na5895_R		4,927	ug/L	41.07	0.8336	11,450
Ni2316_A		-0.5384	ug/L	0.3095	57.49	-0.7155
Pb2203_A		-0.3900	ug/L	0.3101	79.50	-1.470
Sb2068_A		-0.01774	ug/L	0.4067	2,293	0.3189
Se1960_A		-1.113	ug/L	0.3104	27.88	0.7886
Si2516_R		4,288	ug/L	75.60	1.763	2,752
Sn1899_A		0.1826	ug/L	0.2086	114.2	0.6811
Sr4215_R		99.14	ug/L	1.141	1.151	7,118
Ti3349_A		3.665	ug/L	0.1466	3.999	104.2
Tl1908_A		-1.128	ug/L	0.1232	10.93	-1.657
V_2924_A		1.256	ug/L	0.2876	22.89	9.042
Zn2062_A		7.378	ug/L	0.1540	2.087	16.81
Y_3600_R		36,053	Cts/S	126.06	0.34964	36,053
Y_2243_A		7,493.2	Cts/S	8.3480	0.11141	7,493.2
Y_3600_A		308,180	Cts/S	3,517.8	1.1415	308,180

SH4412-001

Method Name: K6010-2011

Method Revision: 1,319

SH4412-001

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 1:56:22AM

Method Revision: 1,319

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.07106	ug/L	0.3765	529.9	-5.313
Al3961_R		205.7	ug/L	10.03	4.877	232.9
As1891_A		-1.111	ug/L	0.4401	39.62	0.02499
Au2427_A		-0.3083	ug/L	0.1387	44.99	1.662
B_2089_A		0.8142	ug/L	0.1025	12.59	3.095
Ba4554_R		23.16	ug/L	0.2084	0.8998	1,645
Be3130_R		0.005220	ug/L	0.03226	617.9	-19.01
Ca3158_R		1,271	ug/L	10.69	0.8411	2,540
Cd2265_A		0.02271	ug/L	0.004566	20.10	-1.155
Co2286_A		-0.04367	ug/L	0.09020	206.5	2.554
Cr2677_A		-0.2553	ug/L	0.1234	48.35	1.264
Cu3273_A		0.1936	ug/L	0.1404	72.53	66.11
Fe2599_R		323.9	ug/L	2.332	0.7199	878.2
K_7664_R		268.6	ug/L	4.099	1.526	203.6
Li6707_R		0.06063	ug/L	0.4689	773.3	-35.98
Mg2025_A		376.7	ug/L	4.784	1.270	61.04
Mn2576_R		13.39	ug/L	0.05349	0.3996	173.5
Mo2020_A		-2.237	ug/L	0.04554	2.035	0.4698
Na5895_R		802.7	ug/L	6.316	0.7869	1,972
Ni2316_A		-0.5085	ug/L	0.1562	30.71	-0.08226
Pb2203_A		-1.067	ug/L	0.04867	4.562	-2.337
Sb2068_A		-0.2247	ug/L	1.207	536.9	0.2328
Se1960_A		-0.08318	ug/L	3.529	4,243	0.9448
Si2516_R		4,898	ug/L	57.17	1.167	3,194
Sn1899_A		-0.2677	ug/L	0.1616	60.38	0.5086
Sr4215_R		14.93	ug/L	0.06713	0.4496	981.9
Ti3349_A		3.250	ug/L	0.02021	0.6219	93.80
Tl1908_A		-1.435	ug/L	0.5834	40.65	-1.354
V_2924_A		0.6781	ug/L	0.05842	8.615	9.438
Zn2062_A		4.049	ug/L	0.1973	4.872	9.612
Y_3600_R		36,661	Cts/S	0.34283	0.00093500	36,661
Y_2243_A		7,573.2	Cts/S	11.906	0.15721	7,573.2
Y_3600_A		317,800	Cts/S	491.12	0.15454	317,800

SH4412-003

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 2:01:01AM

Method Revision: 1,319

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.03781	ug/L	0.1392	368.1	-8.488
Al3961_R		322.7	ug/L	8.295	2.570	365.6
As1891_A		-0.9674	ug/L	1.784	184.4	0.05868
Au2427_A		-0.07120	ug/L	0.4051	568.9	2.563
B_2089_A		0.8794	ug/L	0.2995	34.05	3.151
Ba4554_R		22.70	ug/L	0.07525	0.3315	1,590
Be3130_R		-0.05015	ug/L	0.03859	76.95	-27.02
Ca3158_R		1,148	ug/L	9.918	0.8640	2,259
Cd2265_A		0.04025	ug/L	0.02974	73.88	-0.8410
Co2286_A		-0.009056	ug/L	0.09595	1,060	2.684
Cr2677_A		-0.02957	ug/L	0.06457	218.3	4.722
Cu3273_A		0.04573	ug/L	0.1285	281.0	63.49
Fe2599_R		404.8	ug/L	5.837	1.442	1,068
K_7664_R		276.8	ug/L	0.07513	0.02714	207.5
Li6707_R		0.6685	ug/L	0.9711	145.3	-27.93
Mg2025_A		399.5	ug/L	0.4421	0.1107	64.70
Mn2576_R		13.99	ug/L	0.1987	1.421	178.9
Mo2020_A		-2.158	ug/L	0.1360	6.301	0.5983

SH4412-003

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 2:01:01AM

Method Revision: 1,319

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		841.0	ug/L	2.182	0.2594	2,034
Ni2316_A		-0.4333	ug/L	0.1530	35.30	0.02088
Pb2203_A		0.1348	ug/L	0.3211	238.2	-1.230
Sb2068_A		-0.06036	ug/L	0.1373	227.5	0.2795
Se1960_A		-2.180	ug/L	0.05117	2.347	0.6123
Si2516_R		5,153	ug/L	43.14	0.8372	3,314
Sn1899_A		0.4292	ug/L	0.4263	99.32	0.7860
Sr4215_R		15.99	ug/L	0.02073	0.1296	1,046
Ti3349_A		5.127	ug/L	0.3647	7.113	155.6
Tl1908_A		-1.710	ug/L	0.2557	14.95	-1.453
V_2924_A		0.8644	ug/L	0.1134	13.12	12.57
Zn2062_A		2.993	ug/L	0.04243	1.418	7.263
Y_3600_R		36,157	Cts/S	190.29	0.52628	36,157
Y_2243_A		7,564.0	Cts/S	11.555	0.15276	7,564.0
Y_3600_A		317,550	Cts/S	800.24	0.25201	317,550

SH4521-008

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 2:05:40AM

Method Revision: 1,319

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.2938	ug/L	0.3152	107.3	2.138
Al3961_R		24.58	ug/L	6.636	27.00	19.44
As1891_A		0.6453	ug/L	0.4568	70.78	0.4398
Au2427_A		0.4516	ug/L	0.5408	119.8	4.388
B_2089_A		9.319	ug/L	0.6575	7.056	10.22
Ba4554_R		6.056	ug/L	0.4437	7.326	443.1
Be3130_R		-0.003950	ug/L	0.01534	388.2	-19.81
Ca3158_R	W	32,960	ug/L	152.4	0.4623	65,960
Cd2265_A		-0.01268	ug/L	0.004173	32.91	-1.905
Co2286_A		-0.09940	ug/L	0.04375	44.02	2.268
Cr2677_A		-0.08962	ug/L	0.1037	115.7	3.756
Cu3273_A		4.834	ug/L	0.07194	1.488	141.6
Fe2599_R		-10.91	ug/L	0.3881	3.556	30.33
K_7664_R		1,536	ug/L	6.288	0.4095	1,227
Li6707_R		8.047	ug/L	1.093	13.59	63.51
Mg2025_A		6,104	ug/L	22.01	0.3606	973.1
Mn2576_R		46.95	ug/L	0.04288	0.09132	602.6
Mo2020_A		-2.098	ug/L	0.04212	2.008	0.6767
Na5895_R		7,990	ug/L	38.76	0.4850	18,600
Ni2316_A		0.8764	ug/L	0.2598	29.64	1.928
Pb2203_A		0.3464	ug/L	0.2661	76.80	-0.9882
Sb2068_A		0.1548	ug/L	0.4324	279.3	0.3296
Se1960_A		0.1345	ug/L	0.2192	163.0	0.9496
Si2516_R		6,695	ug/L	42.43	0.6339	4,308
Sn1899_A		-0.3779	ug/L	0.5900	156.1	0.4510
Sr4215_R		86.58	ug/L	0.9183	1.061	6,232
Ti3349_A		-0.06212	ug/L	0.1060	170.7	-15.16
Tl1908_A		-0.3461	ug/L	1.438	415.5	-0.9516
V_2924_A		0.6260	ug/L	0.1375	21.96	7.882
Zn2062_A		4.914	ug/L	0.08519	1.734	11.20
Y_3600_R		36,231	Cts/S	147.81	0.40796	36,231
Y_2243_A		7,357.4	Cts/S	14.978	0.20357	7,357.4
Y_3600_A		310,590	Cts/S	2,016.8	0.64934	310,590

SH4521-008L

Method Name: K6010-2011

Method Revision: 1,319

SH4521-008L

Method Name: K6010-2011

Method Revision: 1,319

Analyst Name: EAM

Acquire Date: 7/3/2014 2:10:19AM

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.590	ug/L	0.4090	25.72	2.750
Al3961_R		46.55	ug/L	9.967	21.41	1.642
As1891_A		-6.483	ug/L	2.981	45.98	-0.01500
Au2427_A		-1.598	ug/L	3.285	205.6	1.500
B_2089_A		6.773	ug/L	0.8785	12.97	3.508
Ba4554_R		6.778	ug/L	0.04080	0.6018	118.7
Be3130_R		-0.1079	ug/L	0.1123	104.1	-22.49
Ca3158_R		33,590	ug/L	348.8	1.038	13,490
Cd2265_A		0.01307	ug/L	0.1500	1,148	-1.729
Co2286_A		-0.4306	ug/L	0.07645	17.76	2.338
Cr2677_A		-0.08840	ug/L	0.7616	861.6	4.795
Cu3273_A		2.677	ug/L	0.4766	17.80	70.93
Fe2599_R		-31.89	ug/L	0.7217	2.263	41.88
K_7664_R		1,455	ug/L	67.12	4.614	220.5
Li6707_R		9.746	ug/L	6.042	61.99	-12.13
Mg2025_A		6,223	ug/L	2.899	0.04658	200.3
Mn2576_R		47.42	ug/L	0.9862	2.080	122.0
Mo2020_A		-11.47	ug/L	0.09792	0.8535	0.3716
Na5895_R		8,050	ug/L	118.4	1.470	3,839
Ni2316_A		1.796	ug/L	0.9200	51.23	1.204
Pb2203_A		-5.420	ug/L	1.309	24.16	-2.307
Sb2068_A		-2.764	ug/L	3.597	130.1	0.1330
Se1960_A		-9.699	ug/L	1.081	11.15	0.6385
Si2516_R		6,712	ug/L	49.81	0.7421	884.7
Sn1899_A		-0.4402	ug/L	4.297	976.1	0.5710
Sr4215_R		87.71	ug/L	0.3896	0.4442	1,168
Ti3349_A		-2.445	ug/L	0.5603	22.91	-29.14
Tl1908_A		-3.508	ug/L	3.941	112.3	-1.069
V_2924_A		-0.1996	ug/L	0.6346	318.0	-2.659
Zn2062_A		5.671	ug/L	0.3709	6.540	3.100
Y_3600_R		36,422	Cts/S	371.96	1.0213	36,422
Y_2243_A		7,453.0	Cts/S	2.2706	0.030465	7,453.0
Y_3600_A		312,690	Cts/S	3,257.9	1.0419	312,690

SH4521-008A

Method Name: K6010-2011

Method Revision: 1,319

Analyst Name: EAM

Acquire Date: 7/3/2014 2:14:58AM

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		466.0	ug/L	0.9167	0.1967	11,010
Al3961_R		10,130	ug/L	136.8	1.351	11,710
As1891_A		479.8	ug/L	3.337	0.6956	111.8
Au2427_A		-0.7606	ug/L	0.1977	25.99	2.760
B_2089_A		487.1	ug/L	0.0009270	0.0001900	426.9
Ba4554_R		484.4	ug/L	7.219	1.490	33,270
Be3130_R		478.1	ug/L	6.819	1.426	69,590
Ca3158_R	W	37,740	ug/L	605.1	1.604	74,980
Cd2265_A		471.1	ug/L	1.160	0.2463	5,935
Co2286_A		480.1	ug/L	0.4158	0.08661	1,578
Cr2677_A		478.9	ug/L	0.3561	0.07435	7,062
Cu3273_A		484.6	ug/L	0.5452	0.1125	7,940
Fe2599_R		5,239	ug/L	95.59	1.825	13,070
K_7664_R		10,950	ug/L	159.9	1.461	8,782
Li6707_R		476.9	ug/L	4.718	0.9893	5,836
Mg2025_A		11,160	ug/L	3.770	0.03379	1,781
Mn2576_R		515.2	ug/L	9.153	1.776	6,571
Mo2020_A		473.6	ug/L	5.163	1.090	743.5

SH4521-008A

Method Name: K6010-2011

Method Revision: 1,319

Analyst Name: EAM

Acquire Date: 7/3/2014 2:14:58AM

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		13,300	ug/L	158.3	1.190	30,670
Ni2316_A		481.8	ug/L	1.047	0.2173	682.9
Pb2203_A		484.4	ug/L	0.02115	0.004366	430.5
Sb2068_A		474.1	ug/L	0.1726	0.03640	133.2
Se1960_A		470.6	ug/L	4.554	0.9678	72.86
Si2516_R		6,865	ug/L	118.5	1.727	4,388
Sn1899_A		-0.03377	ug/L	0.9360	2.772	0.5798
Sr4215_R		570.3	ug/L	6.438	1.129	41,460
Ti3349_A		476.9	ug/L	2.292	0.4806	15,130
Tl1908_A		488.5	ug/L	1.676	0.3432	168.1
V_2924_A		480.3	ug/L	1.913	0.3983	7,697
Zn2062_A		485.4	ug/L	1.536	0.3165	1,035
Y_3600_R		35,973	Cts/S	112.03	0.31142	35,973
Y_2243_A		7,293.2	Cts/S	6.0003	0.082274	7,293.2
Y_3600_A		305,580	Cts/S	348.99	0.11421	305,580

CCV

Method Name: K6010-2011

Method Revision: 1,319

Analyst Name: EAM

Acquire Date: 7/3/2014 2:19:26AM

Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		491.9	ug/L	2.766	0.5623	11,600
Al3961_R		12,500	ug/L	150.5	1.204	14,430
As1891_A		493.4	ug/L	1.037	0.2101	115.4
Au2427_A		488.2	ug/L	5.677	1.163	1,764
B_2089_A		493.2	ug/L	0.3210	0.06509	434.8
Ba4554_R		499.8	ug/L	3.232	0.6468	34,270
Be3130_R		496.9	ug/L	4.896	0.9854	72,200
Ca3158_R		12,380	ug/L	85.05	0.6871	24,530
Cd2265_A		497.3	ug/L	0.1258	0.02530	6,303
Co2286_A		502.3	ug/L	0.4861	0.09677	1,659
Cr2677_A		499.2	ug/L	1.779	0.3564	7,372
Cu3273_A		497.1	ug/L	1.345	0.2706	8,153
Fe2599_R		12,450	ug/L	144.8	1.163	30,920
K_7664_R		12,410	ug/L	261.5	2.106	9,944
Li6707_R		502.0	ug/L	2.423	0.4827	6,135
Mg2025_A		12,640	ug/L	31.25	0.2472	2,027
Mn2576_R		492.8	ug/L	7.090	1.439	6,275
Mo2020_A		494.7	ug/L	3.216	0.6501	780.4
Na5895_R		12,560	ug/L	57.29	0.4562	28,930
Ni2316_A		504.6	ug/L	1.382	0.2738	718.2
Pb2203_A		503.3	ug/L	0.4148	0.08241	449.6
Sb2068_A		498.1	ug/L	1.403	0.2816	139.3
Se1960_A		488.2	ug/L	8.451	1.731	75.96
Si2516_R		12,330	ug/L	170.7	1.384	7,851
Sn1899_A		499.8	ug/L	0.8786	0.1758	193.7
Sr4215_R		500.3	ug/L	4.345	0.8684	36,290
Ti3349_A		502.0	ug/L	2.276	0.4535	15,950
Tl1908_A		506.0	ug/L	2.594	0.5126	175.0
V_2924_A		499.8	ug/L	2.339	0.4680	8,022
Zn2062_A		497.8	ug/L	0.4241	0.08521	1,067
Y_3600_R		35,915	Cts/S	197.92	0.55107	35,915
Y_2243_A		7,329.3	Cts/S	4.8488	0.066155	7,329.3
Y_3600_A		306,010	Cts/S	1,718.6	0.56162	306,010

CCB

Method Name: K6010-2011

Method Revision: 1,319

CCB

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 2:23:53AM

Method Revision: 1,319

Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.3865	ug/L	0.04876	12.62	4.350
Al3961_R		-12.02	ug/L	7.204	59.93	-22.82
As1891_A		0.9924	ug/L	0.7305	73.61	0.5323
Au2427_A		-0.1840	ug/L	0.5119	278.2	1.963
B_2089_A		0.1299	ug/L	0.2523	194.2	2.634
Ba4554_R		0.02741	ug/L	0.07560	275.8	26.17
Be3130_R		0.03393	ug/L	0.05299	156.2	-14.29
Ca3158_R		-4.385	ug/L	0.5496	12.53	-43.56
Cd2265_A		0.07938	ug/L	0.004777	6.018	-0.7371
Co2286_A		0.01604	ug/L	0.01166	72.71	2.698
Cr2677_A		0.1587	ug/L	0.1199	75.55	7.425
Cu3273_A		0.05001	ug/L	0.2668	533.5	62.54
Fe2599_R		-2.449	ug/L	2.386	97.44	51.24
K_7664_R		-8.464	ug/L	18.91	223.4	-22.88
Li6707_R		-0.4766	ug/L	0.9309	195.3	-42.00
Mg2025_A		-19.38	ug/L	2.832	14.61	-3.932
Mn2576_R		0.1961	ug/L	0.1927	98.25	2.061
Mo2020_A		2.931	ug/L	0.9479	32.34	8.745
Na5895_R		-15.51	ug/L	0.1261	0.8130	53.58
Ni2316_A		-0.03816	ug/L	0.001379	3.613	0.6398
Pb2203_A		-0.7084	ug/L	0.6385	90.14	-1.976
Sb2068_A		0.4179	ug/L	0.7756	185.6	0.4113
Se1960_A		0.7691	ug/L	0.1250	16.25	1.065
Si2516_R		-3.271	ug/L	0.8464	25.88	18.41
Sn1899_A		-0.7943	ug/L	0.2425	30.53	0.2949
Sr4215_R		0.01638	ug/L	0.008312	50.74	-124.3
Ti3349_A		0.8973	ug/L	0.2933	32.69	15.93
Tl1908_A		-0.6804	ug/L	0.1341	19.70	-1.060
V_2924_A		0.04667	ug/L	0.1878	402.4	-1.843
Zn2062_A		-0.08635	ug/L	0.07129	82.55	0.4377
Y_3600_R		36,062	Cts/S	183.63	0.50920	36,062
Y_2243_A		7,474.1	Cts/S	84.388	1.1291	7,474.1
Y_3600_A		311,600	Cts/S	94.797	0.030423	311,600

SH4521-008S

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 2:28:34AM

Method Revision: 1,319

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		48.69	ug/L	0.3490	0.7168	1,125
Al3961_R		2,018	ug/L	32.80	1.626	2,330
As1891_A		103.4	ug/L	0.5919	0.5725	24.30
Au2427_A		-0.8816	ug/L	0.8202	93.03	1.360
B_2089_A		495.7	ug/L	0.3636	0.07335	426.9
Ba4554_R	W	1,977	ug/L	15.24	0.7709	135,300
Be3130_R		50.05	ug/L	0.4524	0.9039	7,229
Ca3158_R	W	36,340	ug/L	388.6	1.069	71,980
Cd2265_A		255.4	ug/L	0.4944	0.1936	3,203
Co2286_A		493.9	ug/L	0.5171	0.1047	1,618
Cr2677_A		199.3	ug/L	0.7633	0.3830	2,905
Cu3273_A		247.6	ug/L	1.774	0.7164	4,025
Fe2599_R		980.6	ug/L	14.86	1.516	2,485
K_7664_R		11,580	ug/L	84.54	0.7300	9,263
Li6707_R		494.7	ug/L	4.783	0.9669	6,036
Mg2025_A		11,090	ug/L	38.56	0.3479	1,763
Mn2576_R		535.5	ug/L	4.557	0.8510	6,808
Mo2020_A		298.9	ug/L	2.378	0.7955	469.0

SH4521-008S

Method Name: K6010-2011

Method Revision: 1,319

Analyst Name: EAM

Acquire Date: 7/3/2014 2:28:34AM

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		15,470	ug/L	124.9	0.8072	35,560
Ni2316_A		498.5	ug/L	0.9081	0.1822	704.0
Pb2203_A		101.3	ug/L	0.06622	0.06534	88.56
Sb2068_A		101.2	ug/L	1.345	1.329	27.25
Se1960_A		101.5	ug/L	0.4751	0.4683	16.36
Si2516_R		11,720	ug/L	108.8	0.9286	7,453
Sn1899_A		506.2	ug/L	0.03810	0.007527	194.5
Sr4215_R		597.4	ug/L	5.767	0.9652	43,300
Ti3349_A		473.8	ug/L	2.298	0.4850	14,830
Tl1908_A		97.15	ug/L	0.7628	0.7852	32.46
V_2924_A		495.0	ug/L	2.891	0.5841	7,879
Zn2062_A		492.8	ug/L	0.9509	0.1930	1,048
Y_3600_R		35,865	Cts/S	335.28	0.93485	35,865
Y_2243_A		7,266.1	Cts/S	17.093	0.23525	7,266.1
Y_3600_A		301,660	Cts/S	797.46	0.26436	301,660

SH4521-008P

Method Name: K6010-2011

Method Revision: 1,319

Analyst Name: EAM

Acquire Date: 7/3/2014 2:33:05AM

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		48.98	ug/L	0.1114	0.2275	1,140
Al3961_R		1,892	ug/L	47.76	2.524	2,192
As1891_A		98.03	ug/L	0.3799	0.3876	23.14
Au2427_A		-0.3814	ug/L	0.5902	154.7	3.061
B_2089_A		475.8	ug/L	0.2373	0.04987	411.2
Ba4554_R	W	1,899	ug/L	21.24	1.119	130,400
Be3130_R		47.80	ug/L	0.4820	1.008	6,926
Ca3158_R	W	32,840	ug/L	578.8	1.762	65,270
Cd2265_A		245.9	ug/L	0.4755	0.1933	3,095
Co2286_A		473.2	ug/L	0.8965	0.1894	1,556
Cr2677_A		188.3	ug/L	1.341	0.7120	2,764
Cu3273_A		238.9	ug/L	1.187	0.4971	3,912
Fe2599_R		927.8	ug/L	17.51	1.887	2,362
K_7664_R		11,290	ug/L	187.6	1.662	9,059
Li6707_R		473.5	ug/L	4.575	0.9662	5,796
Mg2025_A		10,220	ug/L	17.57	0.1719	1,632
Mn2576_R		510.5	ug/L	6.469	1.267	6,511
Mo2020_A		280.7	ug/L	2.375	0.8462	442.2
Na5895_R		14,620	ug/L	205.8	1.408	33,720
Ni2316_A		477.2	ug/L	1.066	0.2235	676.5
Pb2203_A		97.56	ug/L	0.6646	0.6813	85.53
Sb2068_A		95.71	ug/L	0.2867	0.2995	25.88
Se1960_A		98.94	ug/L	0.1967	0.1988	16.04
Si2516_R		10,260	ug/L	174.2	1.699	6,545
Sn1899_A		477.7	ug/L	0.6209	0.1300	184.3
Sr4215_R		559.0	ug/L	6.282	1.124	40,640
Ti3349_A		443.7	ug/L	2.546	0.5739	13,990
Tl1908_A		94.39	ug/L	2.134	2.261	31.64
V_2924_A		469.6	ug/L	3.052	0.6498	7,526
Zn2062_A		473.8	ug/L	1.317	0.2779	1,012
Y_3600_R		35,985	Cts/S	400.97	1.1143	35,985
Y_2243_A		7,292.9	Cts/S	0.46296	0.0063480	7,292.9
Y_3600_A		303,730	Cts/S	1,230.8	0.40523	303,730

SH4521-015

Method Name: K6010-2011

Method Revision: 1,319

SH4521-015

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 2:37:36AM

Method Revision: 1,319

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.1026	ug/L	0.2421	236.1	-3.838
Al3961_R		49.10	ug/L	4.349	8.857	48.16
As1891_A		1.567	ug/L	1.949	124.4	0.6649
Au2427_A		0.3553	ug/L	0.5999	168.9	4.137
B_2089_A		7.366	ug/L	0.4417	5.997	8.821
Ba4554_R		11.91	ug/L	0.1830	1.536	848.3
Be3130_R		0.002238	ug/L	0.01124	502.3	-19.04
Ca3158_R		6,657	ug/L	39.65	0.5956	13,300
Cd2265_A		0.07597	ug/L	0.04278	56.31	-0.5656
Co2286_A		1.007	ug/L	0.02828	2.807	6.040
Cr2677_A		0.6424	ug/L	0.06418	9.992	14.93
Cu3273_A		2.865	ug/L	0.1479	5.163	110.5
Fe2599_R		215.0	ug/L	1.638	0.7617	595.7
K_7664_R		1,460	ug/L	9.135	0.6255	1,166
Li6707_R		0.5946	ug/L	1.780	299.3	-29.01
Mg2025_A		1,414	ug/L	0.3180	0.02249	228.8
Mn2576_R		38.30	ug/L	0.1671	0.4361	491.8
Mo2020_A		1.186	ug/L	0.5670	47.82	5.952
Na5895_R		3,737	ug/L	31.85	0.8523	8,750
Ni2316_A		1.144	ug/L	0.06999	6.120	2.334
Pb2203_A		0.001431	ug/L	0.5971	41,720	-1.321
Sb2068_A		-0.8994	ug/L	1.363	151.5	0.03571
Se1960_A		-0.7043	ug/L	4.917	698.2	0.8361
Si2516_R		2,573	ug/L	10.29	0.3999	1,669
Sn1899_A		0.07969	ug/L	0.5890	739.1	0.6399
Sr4215_R		20.63	ug/L	0.2243	1.087	1,390
Ti3349_A		1.370	ug/L	0.1575	11.49	31.56
Tl1908_A		-1.020	ug/L	0.8185	80.29	-1.202
V_2924_A		0.6750	ug/L	0.07223	10.70	8.419
Zn2062_A		10.44	ug/L	0.02169	0.2077	23.51
Y_3600_R		36,247	Cts/S	197.77	0.54561	36,247
Y_2243_A		7,485.2	Cts/S	8.6730	0.11587	7,485.2
Y_3600_A		315,060	Cts/S	899.46	0.28549	315,060

SH4521-015L

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 2:42:15AM

Method Revision: 1,319

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.871	ug/L	0.5461	29.19	3.838
Al3961_R		-4.970	ug/L	3.484	70.09	-10.62
As1891_A		0.6837	ug/L	2.533	370.5	0.3287
Au2427_A		0.5850	ug/L	1.415	241.8	3.137
B_2089_A		5.915	ug/L	0.8853	14.97	3.449
Ba4554_R		12.27	ug/L	0.05159	0.4206	200.7
Be3130_R		-0.1193	ug/L	0.2971	249.1	-23.48
Ca3158_R		6,484	ug/L	68.15	1.051	2,650
Cd2265_A		0.06917	ug/L	0.1628	235.4	-1.560
Co2286_A		0.8405	ug/L	0.9261	110.2	3.230
Cr2677_A		-0.05576	ug/L	0.4954	888.5	4.884
Cu3273_A		1.559	ug/L	0.3959	25.40	66.88
Fe2599_R		179.4	ug/L	6.041	3.366	152.5
K_7664_R		1,232	ug/L	37.97	3.081	189.6
Li6707_R		2.740	ug/L	3.354	122.4	-30.59
Mg2025_A		1,367	ug/L	10.79	0.7891	43.89
Mn2576_R		37.97	ug/L	0.5773	1.520	100.4
Mo2020_A		-3.918	ug/L	1.336	34.09	2.815

SH4521-015L

Method Name: K6010-2011

Method Revision: 1,319

Analyst Name: EAM

Acquire Date: 7/3/2014 2:42:15AM

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		3,575	ug/L	58.05	1.624	1,806
Ni2316_A		2.244	ug/L	1.077	47.98	1.348
Pb2203_A		-3.645	ug/L	1.900	52.14	-2.004
Sb2068_A		9.081	ug/L	2.174	23.95	0.8139
Se1960_A		-9.381	ug/L	2.832	30.19	0.6561
Si2516_R		2,467	ug/L	67.17	2.723	348.1
Sn1899_A		-0.3658	ug/L	0.8149	222.8	0.5836
Sr4215_R		20.46	ug/L	0.05579	0.2727	180.5
Ti3349_A		0.2489	ug/L	0.3722	149.6	-11.55
Tl1908_A		-5.054	ug/L	1.525	30.17	-1.191
V_2924_A		1.583	ug/L	1.484	93.75	3.061
Zn2062_A		10.47	ug/L	0.1460	1.395	5.253
Y_3600_R		37,483	Cts/S	480.84	1.2828	37,483
Y_2243_A		7,538.8	Cts/S	8.5364	0.11323	7,538.8
Y_3600_A		311,370	Cts/S	205.36	0.065952	311,370

SH4521-015A

Method Name: K6010-2011

Method Revision: 1,319

Analyst Name: EAM

Acquire Date: 7/3/2014 2:46:56AM

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		470.7	ug/L	4.792	1.018	11,150
Al3961_R		10,020	ug/L	97.72	0.9756	11,720
As1891_A		473.4	ug/L	3.400	0.7184	111.2
Au2427_A		-0.8207	ug/L	0.7610	92.72	2.583
B_2089_A		480.4	ug/L	0.3729	0.07762	424.7
Ba4554_R		484.4	ug/L	5.698	1.176	33,660
Be3130_R		472.2	ug/L	3.712	0.7861	69,530
Ca3158_R		11,780	ug/L	64.97	0.5515	23,660
Cd2265_A		470.3	ug/L	0.1865	0.03966	5,974
Co2286_A		480.8	ug/L	0.2616	0.05440	1,594
Cr2677_A		478.4	ug/L	4.404	0.9207	7,072
Cu3273_A		481.5	ug/L	6.513	1.353	7,908
Fe2599_R		5,426	ug/L	46.92	0.8647	13,690
K_7664_R		10,750	ug/L	73.81	0.6864	8,725
Li6707_R		461.6	ug/L	6.813	1.476	5,714
Mg2025_A		6,765	ug/L	25.42	0.3758	1,095
Mn2576_R		506.7	ug/L	4.835	0.9543	6,537
Mo2020_A		474.1	ug/L	5.673	1.197	750.5
Na5895_R		8,851	ug/L	81.49	0.9207	20,680
Ni2316_A		481.7	ug/L	0.1279	0.02655	688.4
Pb2203_A		489.0	ug/L	0.3578	0.07317	438.3
Sb2068_A		465.1	ug/L	5.032	1.082	131.8
Se1960_A		465.0	ug/L	8.627	1.855	72.60
Si2516_R		2,786	ug/L	23.36	0.8383	1,816
Sn1899_A		0.6613	ug/L	0.7831	118.4	0.8537
Sr4215_R		497.1	ug/L	6.282	1.264	36,540
Ti3349_A		472.8	ug/L	5.918	1.252	15,030
Tl1908_A		493.2	ug/L	1.012	0.2051	171.1
V_2924_A		480.8	ug/L	5.524	1.149	7,723
Zn2062_A		490.0	ug/L	0.2663	0.05435	1,054
Y_3600_R		36,390	Cts/S	330.78	0.90899	36,390
Y_2243_A		7,353.2	Cts/S	11.690	0.15898	7,353.2
Y_3600_A		306,310	Cts/S	3,715.5	1.2130	306,310

SH4521-015S

Method Name: K6010-2011

Method Revision: 1,319

SH4521-015S

Method Name: K6010-2011

Method Revision: 1,319

Analyst Name: EAM

Acquire Date: 7/3/2014 2:51:25AM

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		48.99	ug/L	0.4073	0.8313	1,159
Al3961_R		1,937	ug/L	41.21	2.128	2,253
As1891_A		97.60	ug/L	2.743	2.810	23.29
Au2427_A		-1.213	ug/L	0.08750	7.212	0.1374
B_2089_A		471.6	ug/L	0.2681	0.05686	412.1
Ba4554_R	W	1,945	ug/L	17.51	0.8999	134,200
Be3130_R		48.38	ug/L	0.3947	0.8158	7,042
Ca3158_R		8,635	ug/L	136.2	1.577	17,210
Cd2265_A		245.4	ug/L	0.1433	0.05840	3,122
Co2286_A		486.0	ug/L	0.5604	0.1153	1,614
Cr2677_A		190.7	ug/L	2.451	1.285	2,848
Cu3273_A		244.1	ug/L	2.566	1.051	4,065
Fe2599_R		1,154	ug/L	12.18	1.055	2,938
K_7664_R		11,040	ug/L	122.2	1.107	8,896
Li6707_R		464.6	ug/L	3.327	0.7162	5,710
Mg2025_A		6,078	ug/L	17.23	0.2835	987.5
Mn2576_R		510.0	ug/L	4.971	0.9747	6,533
Mo2020_A		282.3	ug/L	0.9456	0.3349	449.5
Na5895_R		10,570	ug/L	113.1	1.070	24,510
Ni2316_A		486.8	ug/L	0.05504	0.01131	697.5
Pb2203_A		99.44	ug/L	0.3423	0.3443	88.15
Sb2068_A		96.43	ug/L	1.085	1.126	26.36
Se1960_A		101.4	ug/L	2.327	2.294	16.59
Si2516_R		7,064	ug/L	86.02	1.218	4,534
Sn1899_A		477.3	ug/L	0.1630	0.03415	186.1
Sr4215_R		497.8	ug/L	5.389	1.083	36,340
Ti3349_A		437.7	ug/L	7.045	1.610	14,030
Tl1908_A		94.73	ug/L	0.1917	0.2024	32.12
V_2924_A		474.4	ug/L	6.334	1.335	7,732
Zn2062_A		486.9	ug/L	0.3922	0.08056	1,051
Y_3600_R		36,139	Cts/S	445.62	1.2330	36,139
Y_2243_A		7,371.3	Cts/S	5.5084	0.074727	7,371.3
Y_3600_A		308,940	Cts/S	2,798.5	0.90584	308,940

SH4521-015P

Method Name: K6010-2011

Method Revision: 1,319

Analyst Name: EAM

Acquire Date: 7/3/2014 2:55:57AM

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		49.37	ug/L	0.3200	0.6482	1,159
Al3961_R		2,015	ug/L	25.67	1.274	2,381
As1891_A		97.97	ug/L	0.3630	0.3705	23.43
Au2427_A		-0.7664	ug/L	1.304	170.2	1.811
B_2089_A		477.5	ug/L	1.542	0.3229	418.3
Ba4554_R	W	2,005	ug/L	22.03	1.099	140,400
Be3130_R		49.74	ug/L	0.5322	1.070	7,352
Ca3158_R		8,896	ug/L	61.70	0.6936	18,000
Cd2265_A		248.9	ug/L	0.4718	0.1895	3,174
Co2286_A		501.7	ug/L	0.7073	0.1410	1,671
Cr2677_A		202.4	ug/L	0.4125	0.2037	3,000
Cu3273_A		255.8	ug/L	2.427	0.9488	4,225
Fe2599_R		1,202	ug/L	17.24	1.434	3,103
K_7664_R		10,970	ug/L	96.81	0.8827	8,973
Li6707_R		474.4	ug/L	4.080	0.8601	5,920
Mg2025_A		6,267	ug/L	8.512	0.1358	1,020
Mn2576_R		523.4	ug/L	5.745	1.098	6,808
Mo2020_A		291.5	ug/L	2.306	0.7910	465.1

SH4521-015P

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 2:55:57AM

Method Revision: 1,319

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		10,700	ug/L	103.1	0.9635	25,190
Ni2316_A		502.4	ug/L	1.504	0.2994	721.4
Pb2203_A		99.54	ug/L	0.3128	0.3142	88.43
Sb2068_A		97.79	ug/L	0.6757	0.6910	26.79
Se1960_A		100.2	ug/L	1.875	1.871	16.44
Si2516_R		7,001	ug/L	84.91	1.213	4,564
Sn1899_A		494.0	ug/L	0.8634	0.1748	193.1
Sr4215_R		515.7	ug/L	6.925	1.343	38,220
Ti3349_A		461.1	ug/L	3.044	0.6602	14,680
Tl1908_A		95.82	ug/L	0.2793	0.2915	32.56
V_2924_A		497.9	ug/L	1.226	0.2462	8,057
Zn2062_A		502.7	ug/L	1.303	0.2591	1,087
Y_3600_R		36,692	Cts/S	40.120	0.10934	36,692
Y_2243_A		7,387.9	Cts/S	5.7289	0.077545	7,387.9
Y_3600_A		306,670	Cts/S	1,196.4	0.39014	306,670

SH4521-021

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 3:00:28AM

Method Revision: 1,319

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.2268	ug/L	0.04706	20.75	-4.100
Al3961_R		34.90	ug/L	0.2998	0.8590	31.39
As1891_A		4.276	ug/L	0.5773	13.50	1.281
Au2427_A		-0.4019	ug/L	1.197	297.9	1.387
B_2089_A		5.410	ug/L	0.3574	6.606	7.056
Ba4554_R		2.203	ug/L	0.06935	3.148	175.2
Be3130_R		-0.02511	ug/L	0.03184	126.8	-22.82
Ca3158_R	W	26,490	ug/L	217.5	0.8211	52,540
Cd2265_A		0.04791	ug/L	0.02318	48.39	-0.3449
Co2286_A		0.3539	ug/L	0.04112	11.62	3.790
Cr2677_A		0.1444	ug/L	0.07418	51.38	7.156
Cu3273_A		2.065	ug/L	0.3072	14.87	94.65
Fe2599_R		793.7	ug/L	0.003139	0.0003950	2,025
K_7664_R		755.1	ug/L	7.646	1.013	589.8
Li6707_R		1.987	ug/L	0.9225	46.42	-11.58
Mg2025_A		2,444	ug/L	4.924	0.2015	389.5
Mn2576_R		11.02	ug/L	0.3756	3.409	139.9
Mo2020_A		2.332	ug/L	0.6743	28.91	7.664
Na5895_R		2,807	ug/L	22.98	0.8187	6,534
Ni2316_A		1.042	ug/L	0.01509	1.448	2.101
Pb2203_A		-0.5602	ug/L	0.09963	17.79	-1.787
Sb2068_A		-0.4192	ug/L	0.09637	22.99	0.1706
Se1960_A		2.239	ug/L	0.2213	9.884	1.279
Si2516_R		1,599	ug/L	3.192	0.1997	1,035
Sn1899_A		0.05213	ug/L	0.3589	688.4	0.6187
Sr4215_R		40.34	ug/L	0.5151	1.277	2,811
Ti3349_A		1.214	ug/L	0.01971	1.623	25.83
Tl1908_A		-0.3235	ug/L	1.188	367.2	-0.9255
V_2924_A		0.8946	ug/L	0.05410	6.047	12.03
Zn2062_A		4.022	ug/L	0.2106	5.235	9.287
Y_3600_R		35,915	Cts/S	50.072	0.13942	35,915
Y_2243_A		7,363.6	Cts/S	2.7095	0.036796	7,363.6
Y_3600_A		307,450	Cts/S	625.71	0.20352	307,450

SH4521-022

Method Name: K6010-2011

Method Revision: 1,319

SH4521-022

Method Name: K6010-2011
 Analyst Name: EAM
 Acquire Date: 7/3/2014 3:05:07AM

Method Revision: 1,319

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.4557	ug/L	0.3763	82.58	-34.61
Al3961_R		96.95	ug/L	2.521	2.601	104.2
As1891_A		8.592	ug/L	0.2881	3.353	2.174
Au2427_A		-2.767	ug/L	1.384	50.01	-1.663
B_2089_A		14.63	ug/L	0.2048	1.400	14.62
Ba4554_R		20.89	ug/L	0.2621	1.255	1,475
Be3130_R		-0.0005040	ug/L	0.002835	562.9	-19.55
Ca3158_R	W	54,490	ug/L	541.8	0.9942	109,600
Cd2265_A		-0.01086	ug/L	0.008444	77.75	5.003
Co2286_A		5.149	ug/L	0.06554	1.273	19.50
Cr2677_A		0.3934	ug/L	0.05737	14.58	13.02
Cu3273_A		3.493	ug/L	0.03484	0.9975	117.2
Fe2599_R		7,058	ug/L	69.84	0.9895	17,790
K_7664_R		1,311	ug/L	18.54	1.414	1,050
Li6707_R		3.613	ug/L	0.9628	26.65	8.570
Mg2025_A		4,767	ug/L	7.466	0.1566	751.3
Mn2576_R	W	1,241	ug/L	8.612	0.6942	16,010
Mo2020_A		-0.01038	ug/L	0.3968	3,824	3.921
Na5895_R		4,027	ug/L	52.21	1.297	9,461
Ni2316_A		1.285	ug/L	0.3503	27.27	1.855
Pb2203_A		-0.1002	ug/L	0.9809	978.9	-1.151
Sb2068_A		-0.03410	ug/L	0.3582	1,050	0.3045
Se1960_A		-0.5022	ug/L	0.9235	183.9	0.8547
Si2516_R		3,727	ug/L	14.51	0.3894	2,418
Sn1899_A		0.4980	ug/L	0.2931	58.85	0.7822
Sr4215_R		89.39	ug/L	1.133	1.267	6,468
Ti3349_A		1.843	ug/L	0.2141	11.61	45.79
Tl1908_A		-1.066	ug/L	2.274	213.2	-1.794
V_2924_A		1.090	ug/L	0.1331	12.22	1.122
Zn2062_A		6.269	ug/L	0.1013	1.616	13.96
Y_3600_R		36,398	Cts/S	263.96	0.72521	36,398
Y_2243_A		7,274.2	Cts/S	5.7143	0.078555	7,274.2
Y_3600_A		306,900	Cts/S	87.405	0.028480	306,900

SH4521-023

Method Name: K6010-2011
 Analyst Name: EAM
 Acquire Date: 7/3/2014 3:09:45AM

Method Revision: 1,319

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.04109	ug/L	0.3372	820.5	-6.888
Al3961_R		55.65	ug/L	8.620	15.49	55.77
As1891_A		5.698	ug/L	0.2559	4.491	1.615
Au2427_A		-1.741	ug/L	0.4108	23.60	-0.5500
B_2089_A		15.44	ug/L	0.4664	3.021	15.44
Ba4554_R		2.930	ug/L	0.07308	2.495	227.3
Be3130_R		-0.03211	ug/L	0.01877	58.46	-23.98
Ca3158_R	W	48,590	ug/L	531.6	1.094	97,390
Cd2265_A		-0.04080	ug/L	0.04495	110.2	-1.740
Co2286_A		3.947	ug/L	0.1187	3.007	15.63
Cr2677_A		0.3852	ug/L	0.004576	1.188	12.18
Cu3273_A		2.361	ug/L	0.7568	32.06	98.96
Fe2599_R		522.4	ug/L	7.031	1.346	1,366
K_7664_R		1,272	ug/L	43.55	3.424	1,015
Li6707_R		-0.01634	ug/L	0.3926	2,402	-36.56
Mg2025_A		4,334	ug/L	56.37	1.301	690.2
Mn2576_R		941.1	ug/L	9.655	1.026	12,100
Mo2020_A		-0.7714	ug/L	0.2302	29.84	2.763

SH4521-023

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 3:09:45AM

Method Revision: 1,319

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		4,042	ug/L	61.27	1.516	9,466
Ni2316_A		1.332	ug/L	0.06006	4.508	2.530
Pb2203_A		-0.7406	ug/L	0.6483	87.54	-1.952
Sb2068_A		-0.2316	ug/L	0.5849	252.5	0.2241
Se1960_A		1.363	ug/L	1.293	94.92	1.129
Si2516_R		3,455	ug/L	45.40	1.314	2,236
Sn1899_A		0.09942	ug/L	0.06291	63.28	0.6361
Sr4215_R		72.17	ug/L	1.200	1.662	5,181
Ti3349_A		0.1362	ug/L	0.05832	42.82	-8.588
Tl1908_A		-0.9408	ug/L	0.7175	76.27	-1.617
V_2924_A		0.9784	ug/L	0.03559	3.638	2.665
Zn2062_A		3.680	ug/L	0.08702	2.365	8.536
Y_3600_R		36,285	Cts/S	218.06	0.60096	36,285
Y_2243_A		7,351.8	Cts/S	63.431	0.86279	7,351.8
Y_3600_A		305,700	Cts/S	2,464.9	0.80631	305,700

CCV

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 3:14:22AM

Method Revision: 1,319

Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		485.9	ug/L	1.845	0.3798	11,510
Al3961_R		12,430	ug/L	99.84	0.8034	14,450
As1891_A		489.4	ug/L	1.409	0.2878	115.4
Au2427_A		480.3	ug/L	5.481	1.141	1,749
B_2089_A		489.7	ug/L	0.9239	0.1887	434.9
Ba4554_R		498.6	ug/L	4.374	0.8773	34,440
Be3130_R		492.1	ug/L	5.087	1.034	72,030
Ca3158_R		12,310	ug/L	110.2	0.8953	24,570
Cd2265_A		493.0	ug/L	0.2580	0.05234	6,296
Co2286_A		499.6	ug/L	0.5657	0.1132	1,663
Cr2677_A		497.5	ug/L	3.810	0.7658	7,378
Cu3273_A		496.1	ug/L	5.997	1.209	8,171
Fe2599_R		12,290	ug/L	177.6	1.445	30,750
K_7664_R		12,290	ug/L	206.8	1.682	9,918
Li6707_R		496.7	ug/L	1.561	0.3143	6,114
Mg2025_A		12,470	ug/L	7.365	0.05906	2,015
Mn2576_R		488.3	ug/L	7.369	1.509	6,263
Mo2020_A		486.3	ug/L	5.824	1.197	773.2
Na5895_R		12,560	ug/L	98.17	0.7817	29,140
Ni2316_A		500.7	ug/L	0.1416	0.02828	718.2
Pb2203_A		497.3	ug/L	0.5165	0.1038	447.7
Sb2068_A		494.5	ug/L	2.145	0.4338	139.4
Se1960_A		478.9	ug/L	5.254	1.097	75.11
Si2516_R		12,170	ug/L	188.0	1.545	7,802
Sn1899_A		494.5	ug/L	0.9657	0.1953	193.2
Sr4215_R		498.3	ug/L	3.016	0.6053	36,410
Ti3349_A		497.1	ug/L	5.520	1.110	15,860
Tl1908_A		501.9	ug/L	0.2635	0.05249	174.9
V_2924_A		496.7	ug/L	3.346	0.6738	8,004
Zn2062_A		494.4	ug/L	0.5798	0.1173	1,068
Y_3600_R		36,176	Cts/S	487.35	1.3471	36,176
Y_2243_A		7,386.4	Cts/S	8.5048	0.11514	7,386.4
Y_3600_A		307,260	Cts/S	2,056.0	0.66913	307,260

CCB

Method Name: K6010-2011

Method Revision: 1,319

CCB

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 3:18:51AM

Method Revision: 1,319

Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.1636	ug/L	0.4504	275.3	-0.9750
Al3961_R		-7.910	ug/L	4.417	55.84	-18.10
As1891_A		2.572	ug/L	0.7608	29.58	0.9136
Au2427_A		0.7471	ug/L	1.111	148.8	5.412
B_2089_A		0.1366	ug/L	0.3917	286.7	2.636
Ba4554_R		0.1086	ug/L	0.1185	109.1	31.79
Be3130_R		0.005101	ug/L	0.01097	215.0	-18.52
Ca3158_R		0.2372	ug/L	1.623	684.3	-34.40
Cd2265_A		0.03827	ug/L	0.01781	46.54	-1.283
Co2286_A		-0.1359	ug/L	0.1821	134.0	2.202
Cr2677_A		0.2865	ug/L	0.04706	16.43	9.397
Cu3273_A		-0.008013	ug/L	0.4707	5,874	61.90
Fe2599_R		-4.166	ug/L	2.763	66.31	47.06
K_7664_R		-11.71	ug/L	0.05612	0.4793	-25.57
Li6707_R		1.527	ug/L	2.002	131.1	-17.30
Mg2025_A		-14.94	ug/L	0.1646	1.102	-3.252
Mn2576_R		0.2644	ug/L	0.1245	47.09	2.931
Mo2020_A		2.148	ug/L	0.3855	17.95	7.546
Na5895_R		-24.42	ug/L	7.389	30.25	33.10
Ni2316_A		-0.001269	ug/L	0.3682	29,010	0.6950
Pb2203_A		-0.2660	ug/L	0.7053	265.1	-1.576
Sb2068_A		-0.08815	ug/L	0.3038	344.6	0.2655
Se1960_A		2.207	ug/L	1.421	64.38	1.300
Si2516_R		-7.135	ug/L	0.8908	12.49	15.96
Sn1899_A		0.2935	ug/L	0.1642	55.96	0.7299
Sr4215_R		0.04660	ug/L	0.03913	83.98	-122.2
Ti3349_A		0.7017	ug/L	0.07788	11.10	9.625
Tl1908_A		-0.3189	ug/L	0.2740	85.90	-0.9408
V_2924_A		0.1906	ug/L	0.09555	50.14	0.6489
Zn2062_A		-0.1933	ug/L	0.008624	4.462	0.2061
Y_3600_R		36,119	Cts/S	76.871	0.21283	36,119
Y_2243_A		7,540.7	Cts/S	92.931	1.2324	7,540.7
Y_3600_A		313,410	Cts/S	3,290.8	1.0500	313,410

SH4670-001

Method Name: K6010-2011
Analyst Name: EAM
Acquire Date: 7/3/2014 3:23:31AM

Method Revision: 1,319

Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.4595	ug/L	0.08613	18.74	-1.550
Al3961_R		326.0	ug/L	4.100	1.257	377.6
As1891_A		9.477	ug/L	0.5051	5.330	2.499
Au2427_A		-1.454	ug/L	0.1658	11.40	0.7125
B_2089_A		77.91	ug/L	0.2777	0.3564	68.66
Ba4554_R		49.06	ug/L	0.5096	1.039	3,483
Be3130_R		0.05743	ug/L	0.01535	26.73	-11.76
Ca3158_R		15,510	ug/L	88.72	0.5719	31,630
Cd2265_A		0.4829	ug/L	0.01732	3.586	5.706
Co2286_A		1.269	ug/L	0.1664	13.11	6.894
Cr2677_A		3.937	ug/L	0.03552	0.9021	65.81
Cu3273_A		12.09	ug/L	0.2501	2.068	262.2
Fe2599_R		1,301	ug/L	19.04	1.464	3,376
K_7664_R		22,760	ug/L	91.78	0.4033	18,760
Li6707_R		4.424	ug/L	0.7161	16.19	18.93
Mg2025_A		2,990	ug/L	4.277	0.1431	478.0
Mn2576_R		949.7	ug/L	4.356	0.4587	12,440
Mo2020_A		-0.9856	ug/L	0.1100	11.16	2.439

KATAHDIN ANALYTICAL SERVICES, INC.

METALS ANALYSIS RUN INFORMATION SHEET

INSTR. ID: J-Agilent 7500 ANALYST: fan ANALYSIS DATE: 07-01-14

FILE NAME: JHG01A

REVIEWED
mm 7-9-14
KATAHDIN ANALYTICAL
METALS SECTION

METHOD:

ICP

☐ 200.7

☐ 6010B

☐ CLP

☐ _____

ICP-MS

☒ 200.8

☒ 6020

☐ CLP

☐ _____

CVAA

☐ 245.____

☐ 747.____

☐ CLP

☐ _____

STANDARDS USED:

Standard Name	Standard ID	Prep Date	Expiration Date	Standard Conc.
Cal. Blank / ICS / CCB	MW14962	06-30-14	06-30-15	0 ug/L
Cal. Std 1	MW14963	↓	08-08-14	varies by element
↓ 2	MW14964	↓	↓	↓
↓ 3	MW14965	↓	↓	↓
↓ 4	MW14966	↓	↓	↓
ICV	MW14951	06-25-14	08-02-14	↓
PGL	MW14953	06-26-14	08-08-14	↓
ICSA	MW14968	06-30-14	07-07-14	↓
ICSA3	MW14969	↓	↓	↓
CCV	MW14967	↓	08-08-14	↓
Internal Std.	MW14944	06-19-14	09-19-14	1 ug/L

Additional Comments and Notes:

mm 7-9-14

INSTRUMENT RUNLOG

Instrument: AGILENT 7500

SAMPLE ID	DF	FILE	DATE	TIME	ANALYST
6020 Tune	1	JHG01A	7/1/2014 1:01:00	13:01	EAM
200.8 Tune	1	JHG01A	7/1/2014 1:04:00	13:04	EAM
Cal Blank	1	JHG01A	7/1/2014 1:32:00	13:32	EAM
Cal Std 1	1	JHG01A	7/1/2014 1:35:00	13:35	EAM
Cal Std 2	1	JHG01A	7/1/2014 1:39:00	13:39	EAM
Cal Std 3	1	JHG01A	7/1/2014 1:42:00	13:42	EAM
Cal Std 4	1	JHG01A	7/1/2014 1:45:00	13:45	EAM
ICV	1	JHG01A	7/1/2014 1:48:00	13:48	EAM
ICB	1	JHG01A	7/1/2014 1:51:00	13:51	EAM
PQL	1	JHG01A	7/1/2014 1:54:00	13:54	EAM
ICSA	1	JHG01A	7/1/2014 1:57:00	13:57	EAM
ICSAB	1	JHG01A	7/1/2014 2:01:00	14:01	EAM
Blank	1	JHG01A	7/1/2014 2:04:00	14:04	EAM
CCV	1	JHG01A	7/1/2014 2:07:00	14:07	EAM
CCB	1	JHG01A	7/1/2014 2:11:00	14:11	EAM
PBWHF30IMW1	1	JHG01A	7/1/2014 2:14:00	14:14	EAM
LCSWHF30IMW1	5	JHG01A	7/1/2014 2:17:00	14:17	EAM
SH4433-001R	1	JHG01A	7/1/2014 2:21:00	14:21	EAM
PBWHF26IMW1	5	JHG01A	7/1/2014 2:24:00	14:24	EAM
LCSWHF26IMW1	5	JHG01A	7/1/2014 2:27:00	14:27	EAM
SH4523-022	5	JHG01A	7/1/2014 2:30:00	14:30	EAM
PBSHF28IMS1	5	JHG01A	7/1/2014 2:34:00	14:34	EAM
LCSOHF28IMS1	5	JHG01A	7/1/2014 2:37:00	14:37	EAM
SH4615-001	5	JHG01A	7/1/2014 2:40:00	14:40	EAM
SH4642-001	25	JHG01A	7/1/2014 2:44:00	14:44	EAM
CCV	1	JHG01A	7/1/2014 2:47:00	14:47	EAM
CCB	1	JHG01A	7/1/2014 2:50:00	14:50	EAM
SH4400-011	25	JHG01A	7/1/2014 2:54:00	14:54	EAM
SH4400-013	25	JHG01A	7/1/2014 2:57:00	14:57	EAM
SH4400-014	25	JHG01A	7/1/2014 3:00:00	15:00	EAM
SH4523-017	25	JHG01A	7/1/2014 3:04:00	15:04	EAM
SH4523-019	25	JHG01A	7/1/2014 3:07:00	15:07	EAM
SH4523-019L	125	JHG01A	7/1/2014 3:10:00	15:10	EAM
SH4523-019A	25	JHG01A	7/1/2014 3:14:00	15:14	EAM
SH4523-019S	25	JHG01A	7/1/2014 3:17:00	15:17	EAM
SH4523-019P	25	JHG01A	7/1/2014 3:20:00	15:20	EAM
PBSHF25IMS1	5	JHG01A	7/1/2014 3:24:00	15:24	EAM
CCV	1	JHG01A	7/1/2014 3:27:00	15:27	EAM
CCB	1	JHG01A	7/1/2014 3:30:00	15:30	EAM
LCSOHF25IMS1	5	JHG01A	7/1/2014 3:34:00	15:34	EAM
LC2OHF25IMS1	5	JHG01A	7/1/2014 3:37:00	15:37	EAM
SH4400-012	5	JHG01A	7/1/2014 3:40:00	15:40	EAM
SH4400-015	5	JHG01A	7/1/2014 3:44:00	15:44	EAM
SH4413-001	5	JHG01A	7/1/2014 3:47:00	15:47	EAM

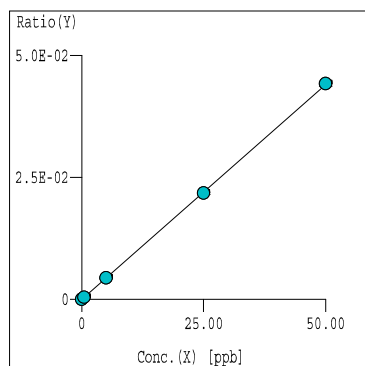
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SH4413-003	5	JHG01A	7/1/2014 3:51:00	15:51	EAM
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SH4413-007	5	JHG01A	7/1/2014 3:58:00	15:58	EAM
SH4413-009	5	JHG01A	7/1/2014 4:02:00	16:02	EAM
SH4413-013	5	JHG01A	7/1/2014 4:05:00	16:05	EAM
CCV	1	JHG01A	7/1/2014 4:09:00	16:09	EAM
CCB	1	JHG01A	7/1/2014 4:12:00	16:12	EAM
SH4413-015	5	JHG01A	7/1/2014 4:15:00	16:15	EAM
SH4413-017	5	JHG01A	7/1/2014 4:19:00	16:19	EAM
SH4522-002	5	JHG01A	7/1/2014 4:23:00	16:23	EAM
SH4522-005	5	JHG01A	7/1/2014 4:26:00	16:26	EAM
SH4522-007	5	JHG01A	7/1/2014 4:30:00	16:30	EAM
SH4522-008	5	JHG01A	7/1/2014 4:33:00	16:33	EAM
SH4522-009	5	JHG01A	7/1/2014 4:37:00	16:37	EAM
SH4256-007	5	JHG01A	7/1/2014 4:40:00	16:40	EAM
PBWHF20IMW2	5	JHG01A	7/1/2014 4:44:00	16:44	EAM
LCSWHF20IMW2	5	JHG01A	7/1/2014 4:47:00	16:47	EAM
CCV	1	JHG01A	7/1/2014 4:51:00	16:51	EAM
CCB	1	JHG01A	7/1/2014 4:54:00	16:54	EAM
SH4401-002	5	JHG01A	7/1/2014 4:58:00	16:58	EAM
SH4401-003	5	JHG01A	7/1/2014 5:01:00	17:01	EAM
SH4401-004	5	JHG01A	7/1/2014 5:05:00	17:05	EAM
SH4401-005	5	JHG01A	7/1/2014 5:08:00	17:08	EAM
SH4401-006	5	JHG01A	7/1/2014 5:12:00	17:12	EAM
SH4401-007	5	JHG01A	7/1/2014 5:15:00	17:15	EAM
SH4401-007L	25	JHG01A	7/1/2014 5:18:00	17:18	EAM
SH4401-007A	5	JHG01A	7/1/2014 5:22:00	17:22	EAM
SH4401-007S	5	JHG01A	7/1/2014 5:25:00	17:25	EAM
SH4401-007P	5	JHG01A	7/1/2014 5:29:00	17:29	EAM
CCV	1	JHG01A	7/1/2014 5:32:00	17:32	EAM
CCB	1	JHG01A	7/1/2014 5:36:00	17:36	EAM
SH4401-008	5	JHG01A	7/1/2014 5:39:00	17:39	EAM
SH4401-009	5	JHG01A	7/1/2014 5:43:00	17:43	EAM
SH4401-010	5	JHG01A	7/1/2014 5:46:00	17:46	EAM
SH4401-011	5	JHG01A	7/1/2014 5:50:00	17:50	EAM
SH4401-012	5	JHG01A	7/1/2014 5:53:00	17:53	EAM
SH4401-013	5	JHG01A	7/1/2014 5:57:00	17:57	EAM
SH4401-014	5	JHG01A	7/1/2014 6:00:00	18:00	EAM
SH4401-015	5	JHG01A	7/1/2014 6:03:00	18:03	EAM
SH4401-016	5	JHG01A	7/1/2014 6:07:00	18:07	EAM
SH4401-017	5	JHG01A	7/1/2014 6:10:00	18:10	EAM
CCV	1	JHG01A	7/1/2014 6:14:00	18:14	EAM
CCB	1	JHG01A	7/1/2014 6:17:00	18:17	EAM
SH4401-018	5	JHG01A	7/1/2014 6:21:00	18:21	EAM
PBWHF23IMW2	5	JHG01A	7/1/2014 6:24:00	18:24	EAM
LCSWHF23IMW2	5	JHG01A	7/1/2014 6:28:00	18:28	EAM
SH4401-019	5	JHG01A	7/1/2014 6:31:00	18:31	EAM

SAMPLE ID	DF	FILE	DATE	TIME	ANALYST
SH4401-019L	25	JHG01A	7/1/2014 6:35:00	18:35	EAM
SH4401-019A	5	JHG01A	7/1/2014 6:38:00	18:38	EAM
SH4401-019S	5	JHG01A	7/1/2014 6:42:00	18:42	EAM
SH4401-019P	5	JHG01A	7/1/2014 6:45:00	18:45	EAM
SH4401-020	5	JHG01A	7/1/2014 6:49:00	18:49	EAM
SH4401-021	5	JHG01A	7/1/2014 6:52:00	18:52	EAM
CCV	1	JHG01A	7/1/2014 6:56:00	18:56	EAM
CCB	1	JHG01A	7/1/2014 6:59:00	18:59	EAM
SH4400-012	25	JHG01A	7/1/2014 7:03:00	19:03	EAM
SH4400-015	25	JHG01A	7/1/2014 7:06:00	19:06	EAM
SH4413-013	25	JHG01A	7/1/2014 7:10:00	19:10	EAM
SH4413-015	25	JHG01A	7/1/2014 7:13:00	19:13	EAM
CCV	1	JHG01A	7/1/2014 7:17:00	19:17	EAM
CCB	1	JHG01A	7/1/2014 7:20:00	19:20	EAM
PQL	1	JHG01A	7/1/2014 7:24:00	19:24	EAM
CCV	1	JHG01A	7/1/2014 7:27:00	19:27	EAM
CCB	1	JHG01A	7/1/2014 7:30:00	19:30	EAM

Cal. Date:07/01/2014, 13:47

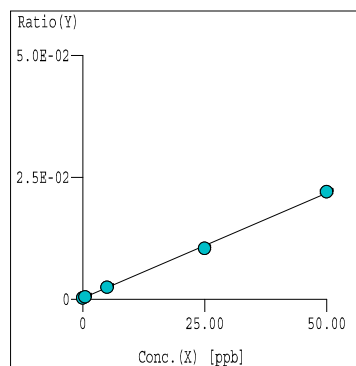
=== Graph Detail ===

Step Mass Element (1) 9 Be ISTD 6 Unit ppb



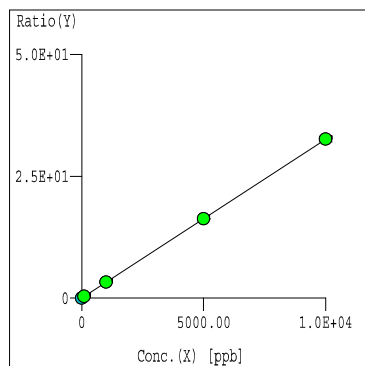
Curve Fit: $Y=aX+[\text{blank}]$
 $r = 1.0000$
 $Y = 8.813E-004 * X + 1.766E-006$
 $X = 1.135E+003 * Y - 2.004E-003$
 $DL = 2.187E-03 \text{ ppb}$
 $BEC = 2.004E-03 \text{ ppb}$

Step Mass Element (1) 11 B ISTD 6 Unit ppb



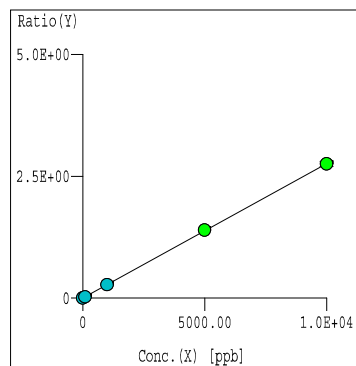
Curve Fit: $Y=aX+[\text{blank}]$
 $r = 0.9994$
 $Y = 4.301E-004 * X + 2.738E-004$
 $X = 2.325E+003 * Y - 6.367E-001$
 $DL = 9.108E-02 \text{ ppb}$
 $BEC = 6.367E-01 \text{ ppb}$

Step Mass Element (1) 23 Na ISTD 45 Unit ppb



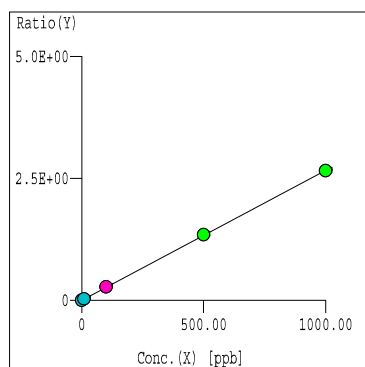
Curve Fit: $Y=aX+[\text{blank}]$
 $r = 1.0000$
 $Y = 3.260E-003 * X + 3.876E-002$
 $X = 3.068E+002 * Y - 1.189E+001$
 $DL = 8.171E-01 \text{ ppb}$
 $BEC = 11.89 \text{ ppb}$

Step Mass Element (1) 25 Mg ISTD 45 Unit ppb



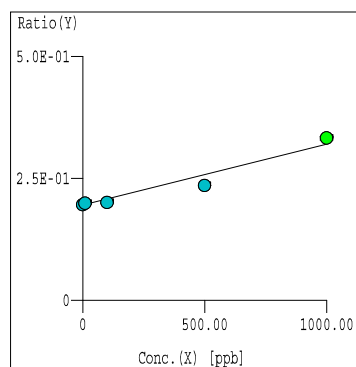
Curve Fit: $Y=aX+[\text{blank}]$
 $r = 1.0000$
 $Y = 2.765E-004 * X + 5.058E-005$
 $X = 3.616E+003 * Y - 1.829E-001$
 $DL = 1.831E-01 \text{ ppb}$
 $BEC = 1.829E-01 \text{ ppb}$

Step Mass Element (1) 27 Al ISTD 45 Unit ppb



Curve Fit: $Y=aX+[\text{blank}]$
 $r = 1.0000$
 $Y = 2.662E-003 * X + 1.255E-003$
 $X = 3.756E+002 * Y - 4.712E-001$
 $DL = 9.895E-02 \text{ ppb}$
 $BEC = 4.712E-01 \text{ ppb}$

Step Mass Element (1) 29 Si ISTD 45 Unit ppb



Curve Fit: $Y=aX+[\text{blank}]$
 $r = 0.9761$
 $Y = 1.247E-004 * X + 1.957E-001$
 $X = 8.017E+003 * Y - 1.569E+003$
 $DL = 60.11 \text{ ppb}$
 $BEC = 1569 \text{ ppb}$

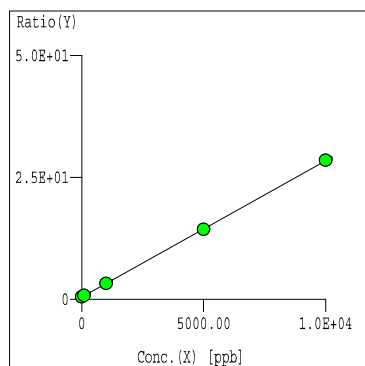
=== Graph Detail ===

Cal. Date:07/01/2014, 13:47

Step Mass Element
(1) 39 K

ISTD
45

Unit
ppb

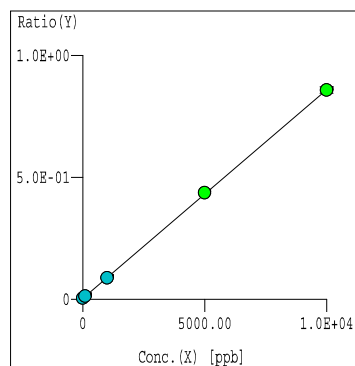


Curve Fit: $Y=aX+[\text{blank}]$
 $r = 1.0000$
 $Y = 2.795E-003 \cdot X + 4.925E-001$
 $X = 3.578E+002 \cdot Y - 1.762E+002$
 $DL = 1.149 \text{ ppb}$
 $BEC = 176.2 \text{ ppb}$

Step Mass Element
(1) 44 Ca

ISTD
45

Unit
ppb

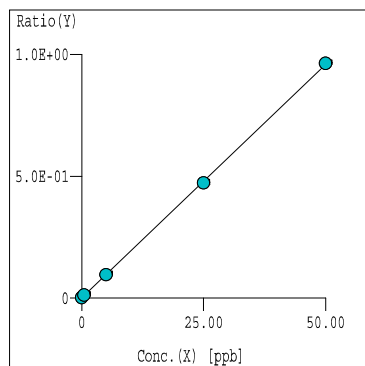


Curve Fit: $Y=aX+[\text{blank}]$
 $r = 1.0000$
 $Y = 8.558E-005 \cdot X + 4.528E-003$
 $X = 1.169E+004 \cdot Y - 5.292E+001$
 $DL = 5.144 \text{ ppb}$
 $BEC = 52.92 \text{ ppb}$

Step Mass Element
(1) 51 V

ISTD
72

Unit
ppb

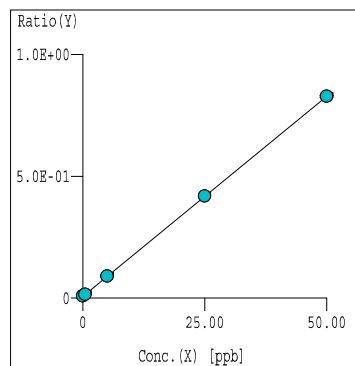


Curve Fit: $Y=aX+[\text{blank}]$
 $r = 0.9999$
 $Y = 1.912E-002 \cdot X + 2.860E-003$
 $X = 5.229E+001 \cdot Y - 1.496E-001$
 $DL = 1.994E-01 \text{ ppb}$
 $BEC = 1.496E-01 \text{ ppb}$

Step Mass Element
(1) 52 Cr

ISTD
72

Unit
ppb

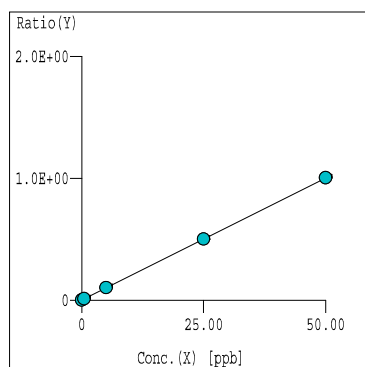


Curve Fit: $Y=aX+[\text{blank}]$
 $r = 1.0000$
 $Y = 1.640E-002 \cdot X + 8.682E-003$
 $X = 6.096E+001 \cdot Y - 5.292E-001$
 $DL = 4.506E-02 \text{ ppb}$
 $BEC = 5.292E-01 \text{ ppb}$

Step Mass Element
(1) 55 Mn

ISTD
72

Unit
ppb

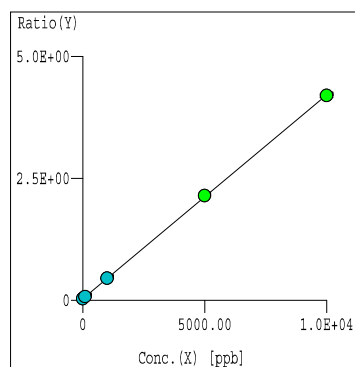


Curve Fit: $Y=aX+[\text{blank}]$
 $r = 1.0000$
 $Y = 2.003E-002 \cdot X + 3.024E-003$
 $X = 4.992E+001 \cdot Y - 1.510E-001$
 $DL = 2.257E-02 \text{ ppb}$
 $BEC = 1.510E-01 \text{ ppb}$

Step Mass Element
(1) 57 Fe

ISTD
72

Unit
ppb



Curve Fit: $Y=aX+[\text{blank}]$
 $r = 1.0000$
 $Y = 4.178E-004 \cdot X + 3.256E-002$
 $X = 2.393E+003 \cdot Y - 7.792E+001$
 $DL = 7.564E-01 \text{ ppb}$
 $BEC = 77.92 \text{ ppb}$

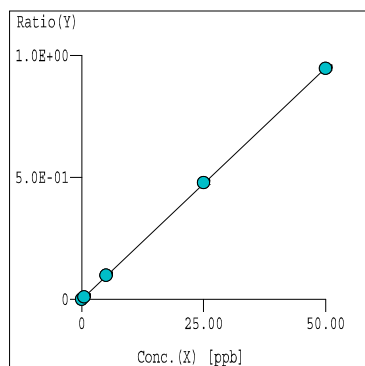
Cal. Date:07/01/2014, 13:47

=== Graph Detail ===

Step Mass Element
(1) 59 Co

ISTD
72

Unit
ppb

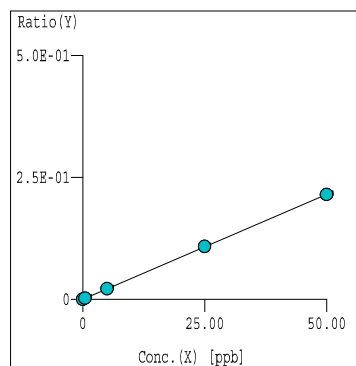


Curve Fit: $Y=aX+[blank]$
 $r = 1.0000$
 $Y = 1.897E-002*X + 2.491E-004$
 $X = 5.271E+001*Y - 1.313E-002$
 $DL = 1.473E-02$ ppb
 $BEC = 1.313E-02$ ppb

Step Mass Element
(1) 60 Ni

ISTD
72

Unit
ppb

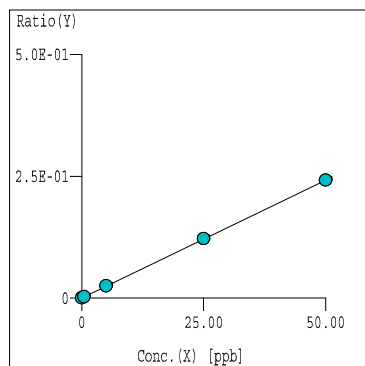


Curve Fit: $Y=aX+[blank]$
 $r = 1.0000$
 $Y = 4.303E-003*X + 9.823E-005$
 $X = 2.324E+002*Y - 2.283E-002$
 $DL = 1.387E-02$ ppb
 $BEC = 2.283E-02$ ppb

Step Mass Element
(1) 65 Cu

ISTD
72

Unit
ppb

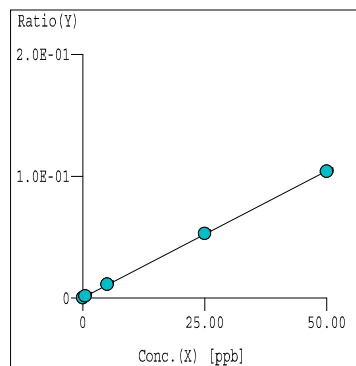


Curve Fit: $Y=aX+[blank]$
 $r = 1.0000$
 $Y = 4.832E-003*X + 1.035E-003$
 $X = 2.069E+002*Y - 2.141E-001$
 $DL = 1.589E-02$ ppb
 $BEC = 2.141E-01$ ppb

Step Mass Element
(1) 66 Zn

ISTD
72

Unit
ppb

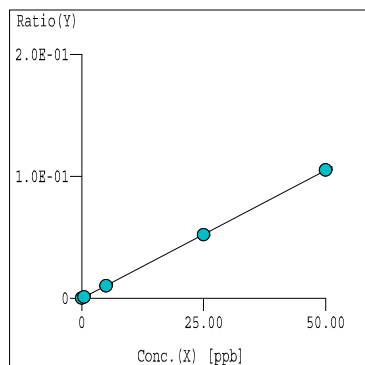


Curve Fit: $Y=aX+[blank]$
 $r = 1.0000$
 $Y = 2.078E-003*X + 6.137E-004$
 $X = 4.812E+002*Y - 2.953E-001$
 $DL = 1.292E-01$ ppb
 $BEC = 2.953E-01$ ppb

Step Mass Element
(1) 75 As

ISTD
72

Unit
ppb

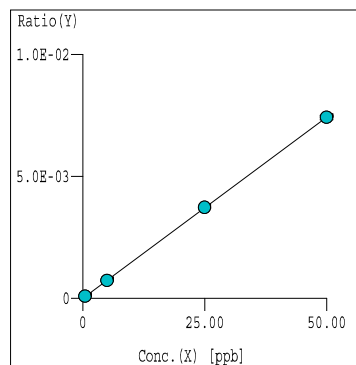


Curve Fit: $Y=aX+[blank]$
 $r = 1.0000$
 $Y = 2.096E-003*X + 1.578E-004$
 $X = 4.771E+002*Y - 7.528E-002$
 $DL = 1.175E-01$ ppb
 $BEC = 7.528E-02$ ppb

Step Mass Element
(1) 82 Se

ISTD
72

Unit
ppb



Curve Fit: $Y=aX+[blank]$
 $r = 1.0000$
 $Y = 1.485E-004*X - 3.457E-006$
 $X = 6.732E+003*Y + 2.327E-002$
 $DL = 2.996E-01$ ppb
 $BEC = -2.327E-02$ ppb

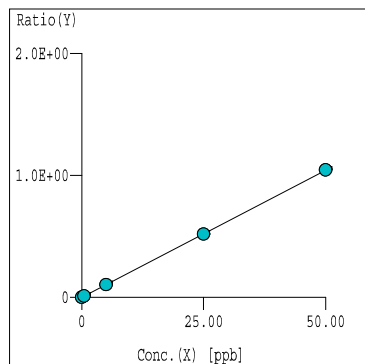
=== Graph Detail ===

Cal. Date:07/01/2014, 13:47

Step Mass Element
(1) 88 Sr

ISTD
72

Unit
ppb

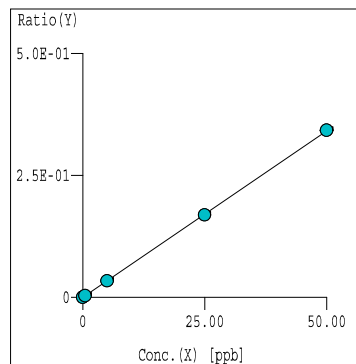


Curve Fit: $Y=aX+[blank]$
 $r = 1.0000$
 $Y = 2.086E-002 * X + 1.776E-004$
 $X = 4.794E+001 * Y - 8.515E-003$
DL = 1.476E-02 ppb
BEC = 8.515E-03 ppb

Step Mass Element
(1) 98 Mo

ISTD
72

Unit
ppb

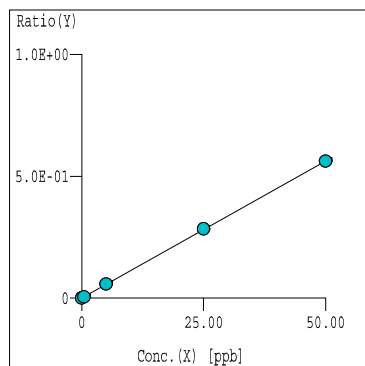


Curve Fit: $Y=aX+[blank]$
 $r = 1.0000$
 $Y = 6.826E-003 * X + 8.933E-005$
 $X = 1.465E+002 * Y - 1.309E-002$
DL = 8.481E-03 ppb
BEC = 1.309E-02 ppb

Step Mass Element
(1) 107 Ag

ISTD
72

Unit
ppb

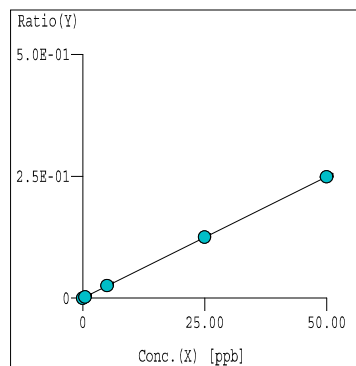


Curve Fit: $Y=aX+[blank]$
 $r = 1.0000$
 $Y = 1.128E-002 * X + 7.291E-005$
 $X = 8.867E+001 * Y - 6.465E-003$
DL = 6.892E-03 ppb
BEC = 6.465E-03 ppb

Step Mass Element
(1) 114 Cd

ISTD
72

Unit
ppb

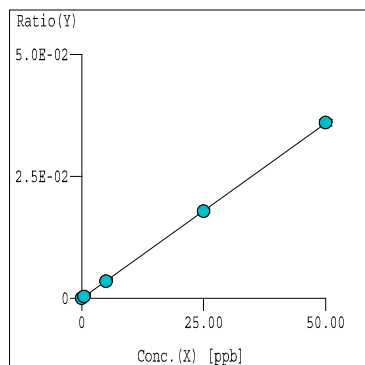


Curve Fit: $Y=aX+[blank]$
 $r = 1.0000$
 $Y = 4.985E-003 * X + 1.334E-004$
 $X = 2.006E+002 * Y - 2.675E-002$
DL = 5.116E-03 ppb
BEC = 2.675E-02 ppb

Step Mass Element
(1) 118 Sn

ISTD
159

Unit
ppb

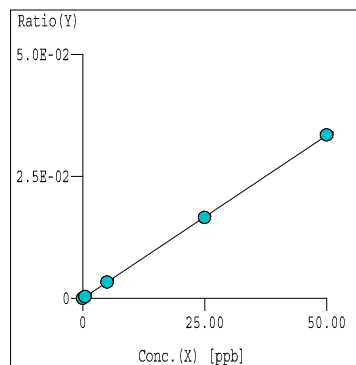


Curve Fit: $Y=aX+[blank]$
 $r = 1.0000$
 $Y = 7.183E-004 * X + 1.295E-005$
 $X = 1.392E+003 * Y - 1.802E-002$
DL = 1.806E-02 ppb
BEC = 1.802E-02 ppb

Step Mass Element
(1) 123 Sb

ISTD
159

Unit
ppb



Curve Fit: $Y=aX+[blank]$
 $r = 1.0000$
 $Y = 6.681E-004 * X + 5.675E-006$
 $X = 1.497E+003 * Y - 8.494E-003$
DL = 3.817E-03 ppb
BEC = 8.494E-03 ppb

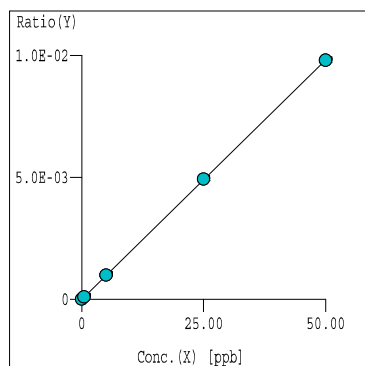
Cal. Date:07/01/2014, 13:47

=== Graph Detail ===

Step Mass Element
(1) 135 Ba

ISTD
159

Unit
ppb

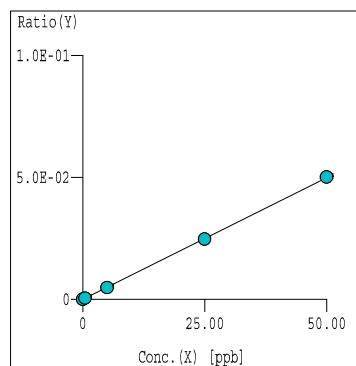


Curve Fit: $Y=aX+[\text{blank}]$
 $r = 1.0000$
 $Y = 1.961E-004 \cdot X + 5.088E-006$
 $X = 5.099E+003 \cdot Y - 2.594E-002$
 $DL = 2.280E-02 \text{ ppb}$
 $BEC = 2.594E-02 \text{ ppb}$

Step Mass Element
(1) 182 W

ISTD
159

Unit
ppb

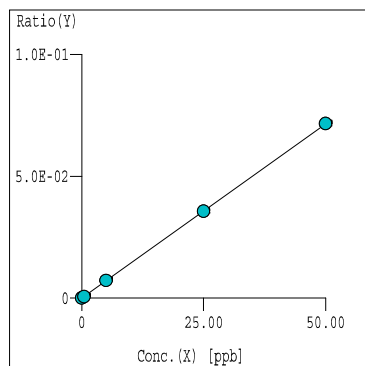


Curve Fit: $Y=aX+[\text{blank}]$
 $r = 1.0000$
 $Y = 9.990E-004 \cdot X + 1.199E-005$
 $X = 1.001E+003 \cdot Y - 1.200E-002$
 $DL = 1.200E-02 \text{ ppb}$
 $BEC = 1.200E-02 \text{ ppb}$

Step Mass Element
(1) 203 Tl

ISTD
209

Unit
ppb

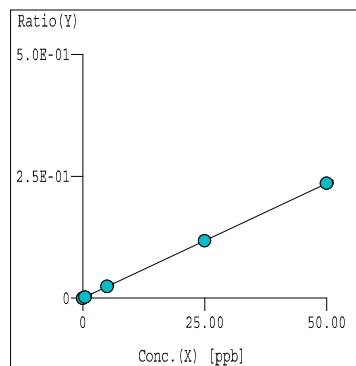


Curve Fit: $Y=aX+[\text{blank}]$
 $r = 1.0000$
 $Y = 1.431E-003 \cdot X + 5.770E-006$
 $X = 6.986E+002 \cdot Y - 4.031E-003$
 $DL = 4.645E-03 \text{ ppb}$
 $BEC = 4.031E-03 \text{ ppb}$

Step Mass Element
(1) 208 Pb

ISTD
209

Unit
ppb

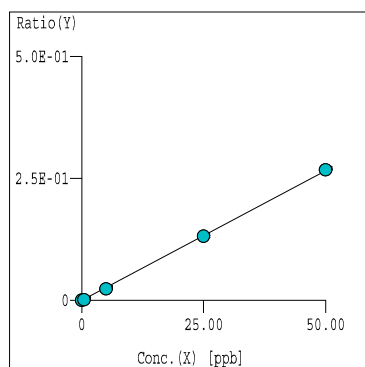


Curve Fit: $Y=aX+[\text{blank}]$
 $r = 1.0000$
 $Y = 4.715E-003 \cdot X + 9.990E-005$
 $X = 2.121E+002 \cdot Y - 2.119E-002$
 $DL = 9.129E-03 \text{ ppb}$
 $BEC = 2.119E-02 \text{ ppb}$

Step Mass Element
(1) 232 Th

ISTD
209

Unit
ppb

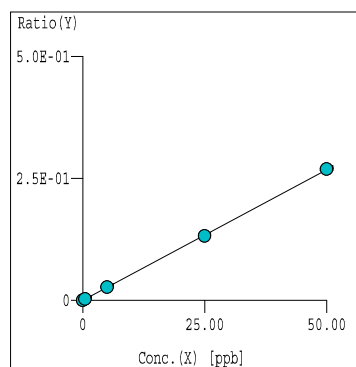


Curve Fit: $Y=aX+[\text{blank}]$
 $r = 0.9999$
 $Y = 5.324E-003 \cdot X + 1.083E-005$
 $X = 1.878E+002 \cdot Y - 2.034E-003$
 $DL = 2.672E-03 \text{ ppb}$
 $BEC = 2.034E-03 \text{ ppb}$

Step Mass Element
(1) 238 U

ISTD
209

Unit
ppb



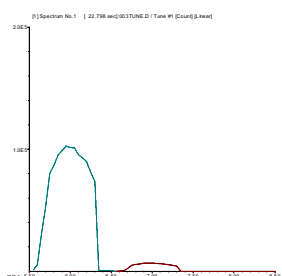
Curve Fit: $Y=aX+[\text{blank}]$
 $r = 1.0000$
 $Y = 5.359E-003 \cdot X + 5.087E-006$
 $X = 1.866E+002 \cdot Y - 9.492E-004$
 $DL = 1.032E-03 \text{ ppb}$
 $BEC = 9.492E-04 \text{ ppb}$

6020 QC Tune Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\003TUNE.D
 Date Acquired: Jul 1 2014 01:01 pm
 Acq. Method: TN6020E.M
 Operator: EAM
 Sample Name: 6020 TUNE
 Misc Info:
 Vial Number: 1107
 Current Method: C:\ICPCHEM\1\METHODS\TN6020E.M

RSD (%)

Element	Actual	Required	Flag
7 Li	0.75	5.00	
59 Co	0.85	5.00	
115 In	0.83	5.00	
205 Tl	1.63	5.00	



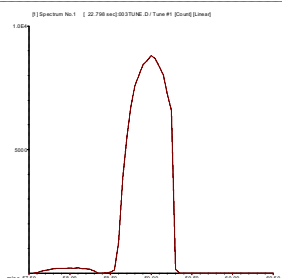
7 Li

Mass Calib.

Actual: 7.00
 Required: 6.90 - 7.10
 Flag:

Peak Width

Actual: 0.60
 Required: 0.90
 Flag:



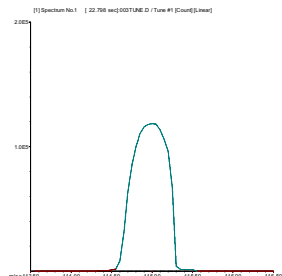
59 Co

Mass Calib.

Actual: 59.00
 Required: 58.90 - 59.10
 Flag:

Peak Width

Actual: 0.65
 Required: 0.90
 Flag:



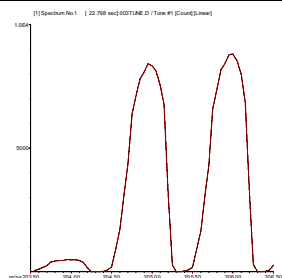
115 In

Mass Calib.

Actual: 115.00
 Required: 114.90 - 115.10
 Flag:

Peak Width

Actual: 0.60
 Required: 0.90
 Flag:



205 Tl

Mass Calib.

Actual: 204.95
 Required: 204.90 - 205.10
 Flag:

Peak Width

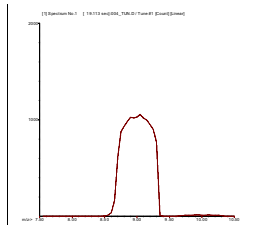
Actual: 0.60
 Required: 0.90
 Flag:

200.8 QC Tune Report

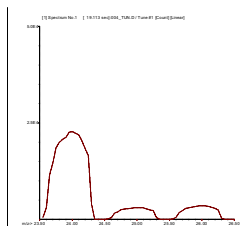
Data File: C:\ICPCHEM\1\DATA\JHG01A.B\004_TUN.D
 Date Acquired: Jul 1 2014 01:04 pm
 Acq. Method: TN200_8E.M
 Operator: EAM
 Sample Name: 200.8 TUNE
 Misc Info:
 Vial Number: 1107
 Current Method: C:\ICPCHEM\1\METHODS\TN200_8E.M

RSD (%)

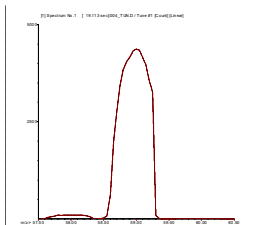
Element	Actual	Required	Flag
9 Be	2.92	5.00	
24 Mg	3.14	5.00	
59 Co	2.02	5.00	
115 In	2.22	5.00	
208 Pb	2.26	5.00	



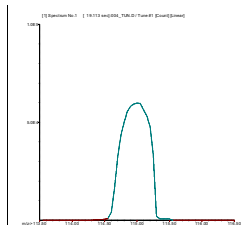
9 Be
Mass Calib.
 Actual: 9.00
 Required: 8.90 - 9.10
 Flag:
Peak Width
 Actual: 0.65
 Required: 1.00
 Flag:



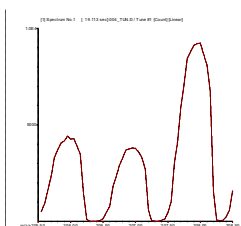
24 Mg
Mass Calib.
 Actual: 24.00
 Required: 23.90 - 24.10
 Flag:
Peak Width
 Actual: 0.70
 Required: 1.00
 Flag:



59 Co
Mass Calib.
 Actual: 59.00
 Required: 58.90 - 59.10
 Flag:
Peak Width
 Actual: 0.65
 Required: 1.00
 Flag:



115 In
Mass Calib.
 Actual: 115.00
 Required: 114.90 - 115.10
 Flag:
Peak Width
 Actual: 0.65
 Required: 1.00
 Flag:



208 Pb
Mass Calib.
 Actual: 207.95
 Required: 207.90 - 208.10
 Flag:
Peak Width
 Actual: 0.65
 Required: 1.00
 Flag:

Tune Result: Pass

Calibration Blank QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.I
 Date Acquired: Jul 1 2014 01:32 pm
 Operator: EAM
 Sample Name: Cal Blank
 Misc Info:
 Vial Number: 1203
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal Update: Jul 01 2014 01:31 pm
 Sample Type: CalBlk
 Total Dil Factor: 1.00

QC&ISTD Elements

Element	CPS Mean	SD	RSD(%)
6 Li	3225547.00 A	38530.00	1.19
9 Be	7.04 P	1.70	24.12
11 B	2362.49 P	67.44	2.85
23 Na	109214.10 P	1960.00	1.79
25 Mg	124.45 P	20.37	16.37
27 Al	4468.97 P	260.70	5.83
28 Si	5971752.00 A	79410.00	1.33
29 Si	1370818.00 A	1629.00	0.12
39 K	1463444.00 A	9276.00	0.63
43 Ca	274.11 P	72.31	26.38
44 Ca	17072.74 P	330.80	1.94
45 Sc	2797226.00 A	32970.00	1.18
51 V	2049.63 P	197.70	9.65
52 Cr	5393.37 P	90.35	1.68
53 Cr	8868.42 P	61.55	0.69
55 Mn	2240.25 P	78.41	3.50
56 Fe	1164372.00 A	9021.00	0.77
57 Fe	20359.39 P	454.60	2.23
59 Co	242.24 P	37.91	15.65
60 Ni	100.56 P	18.96	18.86
63 Cu	1566.80 P	85.06	5.43
65 Cu	704.48 P	62.04	8.81
66 Zn	636.70 P	32.83	5.16
68 Zn	7304.29 P	321.80	4.41
72 Ge	598801.88 P	3144.00	0.53
75 As	46.60 P	29.42	63.13
82 Se	3.04 P	5.68	186.82
88 Sr	107.42 P	33.95	31.61
89 Y	4104778.00 A	24970.00	0.61
98 Mo	58.84 P	0.97	1.65
107 Ag	48.89 P	15.75	32.22
109 Ag	37.78 P	3.85	10.19
111 Cd	1146.01 P	22.44	1.96
114 Cd	87.76 P	4.90	5.58
115 In	3843873.00 A	34280.00	0.89
118 Sn	96.67 P	17.64	18.25
120 Sn	110.00 P	15.28	13.89
121 Sb	44.45 P	3.85	8.66
123 Sb	25.56 P	1.93	7.53
135 Ba	34.45 P	13.47	39.11
137 Ba	53.34 P	8.82	16.54
159 Tb	5240202.00 A	33770.00	0.64
182 W	58.89 P	8.39	14.25
203 Tl	26.67 P	8.82	33.07
205 Tl	53.34 P	8.82	16.54
208 Pb	310.01 P	30.55	9.85
209 Bi	3108879.00 A	40860.00	1.31
232 Th	65.56 P	13.47	20.55
238 U	34.45 P	13.47	39.11

Calibration Standard QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\014CALI.D\014CALI.D#
 Date Acquired: Jul 1 2014 01:35 pm
 Operator: EAM
 Sample Name: Cal Std 1
 Misc Info:
 Vial Number: 1101
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal Update: Jul 01 2014 01:34 pm
 Sample Type: CalStd
 Total Dil Factor: 1.00

QC&ISTD Elements

Element	CPS Mean	SD	RSD(%)
6 Li	3211156.00 A	40660.00	1.27
9 Be	1353.04 P	8.98	0.66
11 B	2312.48 P	76.21	3.30
23 Na	1067110.00 A	9298.00	0.87
25 Mg	78771.70 P	778.30	0.99
27 Al	80837.92 P	274.10	0.34
28 Si	6133121.00 A	76690.00	1.25
29 Si	1401720.00 A	13200.00	0.94
39 K	2273460.00 A	9918.00	0.44
43 Ca	1666.95 P	120.20	7.21
44 Ca	42255.80 P	264.20	0.63
45 Sc	2824334.00 A	22280.00	0.79
51 V	7111.54 P	559.80	7.87
52 Cr	10151.52 P	108.50	1.07
53 Cr	9264.21 P	85.08	0.92
55 Mn	8420.37 P	212.00	2.52
56 Fe	2176431.00 A	5019.00	0.23
57 Fe	44976.74 P	91.71	0.20
59 Co	5772.60 P	284.30	4.93
60 Ni	1328.23 P	54.02	4.07
63 Cu	4654.21 P	145.80	3.13
65 Cu	2182.63 P	57.84	2.65
66 Zn	1517.91 P	81.41	5.36
68 Zn	8099.14 P	160.80	1.99
72 Ge	595653.88 P	3213.00	0.54
75 As	639.75 P	84.04	13.14
82 Se	31.99 P	21.45	67.06
88 Sr	6757.86 P	156.90	2.32
89 Y	4119046.00 A	42930.00	1.04
98 Mo	2033.66 P	36.53	1.80
107 Ag	3346.06 P	68.36	2.04
109 Ag	3172.67 P	117.80	3.71
111 Cd	1813.81 P	27.04	1.49
114 Cd	1563.69 P	50.85	3.25
115 In	3826161.00 A	41640.00	1.09
118 Sn	1997.99 P	115.00	5.76
120 Sn	2812.60 P	113.90	4.05
121 Sb	2341.39 P	68.11	2.91
123 Sb	1772.39 P	46.83	2.64
135 Ba	560.03 P	28.48	5.09
137 Ba	952.29 P	39.77	4.18
159 Tb	5226447.00 A	67890.00	1.30
182 W	2657.01 P	120.60	4.54
203 Tl	2068.01 P	62.58	3.03
205 Tl	5148.93 P	77.29	1.50
208 Pb	7499.95 P	135.10	1.80
209 Bi	3119137.00 A	27920.00	0.90
232 Th	3532.83 P	731.90	20.72
238 U	7688.03 P	155.20	2.02

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3211156.50	1.27	3225547.00	99.6	79.5 - 120.4	
45 Sc	2824334.30	0.79	2797225.50	101.0	79.5 - 120.4	
72 Ge	595653.88	0.54	598801.94	99.5	79.5 - 120.4	
159 Tb	5226447.50	1.30	5240202.50	99.7	79.5 - 120.4	
209 Bi	3119136.50	0.90	3108879.00	100.3	79.5 - 120.4	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

--- :Element Failures --- :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Calibration Standard QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\015CALI.D\015CALI.D#
 Date Acquired: Jul 1 2014 01:39 pm
 Operator: EAM
 Sample Name: Cal Std 2
 Misc Info:
 Vial Number: 1102
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal Update: Jul 01 2014 01:38 pm
 Sample Type: CalStd
 Total Dil Factor: 1.00

QC&ISTD Elements

Element	CPS Mean	SD	RSD(%)
6 Li	3272924.00 A	36450.00	1.11
9 Be	13214.99 P	112.60	0.85
11 B	8171.31 P	160.70	1.97
23 Na	8654625.00 A	100100.00	1.16
25 Mg	754142.31 P	11340.00	1.50
27 Al	751145.31 P	10290.00	1.37
28 Si	6354480.00 A	143700.00	2.26
29 Si	1376747.00 A	12400.00	0.90
39 K	9155982.00 A	54580.00	0.60
43 Ca	14397.41 P	183.70	1.28
44 Ca	249007.59 P	2555.00	1.03
45 Sc	2806172.00 A	15700.00	0.56
51 V	56279.97 P	792.30	1.41
52 Cr	53546.37 P	498.20	0.93
53 Cr	14036.94 P	364.70	2.60
55 Mn	60482.67 P	380.80	0.63
56 Fe	10661370.00 A	29620.00	0.28
57 Fe	256813.70 P	1863.00	0.73
59 Co	56441.47 P	596.10	1.06
60 Ni	12653.86 P	91.79	0.73
63 Cu	32072.66 P	233.70	0.73
65 Cu	15061.21 P	282.00	1.87
66 Zn	6925.16 P	166.00	2.40
68 Zn	11723.87 P	320.80	2.74
72 Ge	593094.19 P	5139.00	0.87
75 As	6345.60 P	308.30	4.86
82 Se	438.09 P	12.38	2.83
88 Sr	60782.53 P	1206.00	1.98
89 Y	4112700.00 A	56710.00	1.38
98 Mo	20046.21 P	300.80	1.50
107 Ag	33990.30 P	342.90	1.01
109 Ag	32420.19 P	391.50	1.21
111 Cd	7546.91 P	26.06	0.35
114 Cd	14984.53 P	133.60	0.89
115 In	3861890.00 A	11520.00	0.30
118 Sn	18655.86 P	498.40	2.67
120 Sn	25488.62 P	253.80	1.00
121 Sb	23725.71 P	78.96	0.33
123 Sb	17955.01 P	205.30	1.14
135 Ba	5323.38 P	260.90	4.90
137 Ba	9181.00 P	229.20	2.50
159 Tb	5272757.00 A	42880.00	0.81
182 W	24682.57 P	283.00	1.15
203 Tl	21964.97 P	241.40	1.10
205 Tl	53392.52 P	1309.00	2.45
208 Pb	72870.53 P	1300.00	1.78
209 Bi	3140901.00 A	21650.00	0.69
232 Th	68993.21 P	2364.00	3.43
238 U	79611.30 P	1124.00	1.41

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3272924.00	1.11	3225547.00	101.5	79.5 - 120.4	
45 Sc	2806172.50	0.56	2797225.50	100.3	79.5 - 120.4	
72 Ge	593094.19	0.87	598801.94	99.0	79.5 - 120.4	
159 Tb	5272757.50	0.81	5240202.50	100.6	79.5 - 120.4	
209 Bi	3140900.80	0.69	3108879.00	101.0	79.5 - 120.4	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

--- :Element Failures --- :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Calibration Standard QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\016CALI.D\016CALI.D#
 Date Acquired: Jul 1 2014 01:42 pm
 Operator: EAM
 Sample Name: Cal Std 3
 Misc Info:
 Vial Number: 1103
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal Update: Jul 01 2014 01:41 pm
 Sample Type: CalStd
 Total Dil Factor: 1.00

QC&ISTD Elements

Element	CPS Mean	SD	RSD(%)
6 Li	3117288.00 A	46900.00	1.50
9 Be	65789.96 P	649.20	0.99
11 B	33288.92 P	353.00	1.06
23 Na	43072460.00 A	492600.00	1.14
25 Mg	3732259.00 A	42240.00	1.13
27 Al	3620896.00 A	43910.00	1.21
28 Si	8034120.00 A	148700.00	1.85
29 Si	1498523.00 A	22570.00	1.51
39 K	39666020.00 A	277600.00	0.70
43 Ca	71787.81 P	1626.00	2.27
44 Ca	1206378.00 A	25130.00	2.08
45 Sc	2807045.00 A	29560.00	1.05
51 V	272208.41 P	2097.00	0.77
52 Cr	240091.50 P	1271.00	0.53
53 Cr	34958.91 P	623.70	1.78
55 Mn	288937.91 P	4346.00	1.50
56 Fe	48152952.00 A	307900.00	0.64
57 Fe	1220719.00 A	13120.00	1.07
59 Co	272287.50 P	2948.00	1.08
60 Ni	61097.40 P	440.30	0.72
63 Cu	148442.70 P	988.70	0.67
65 Cu	70392.81 P	954.40	1.36
66 Zn	30402.65 P	358.10	1.18
68 Zn	28738.16 P	364.40	1.27
72 Ge	589006.13 P	3267.00	0.55
75 As	30993.32 P	161.80	0.52
82 Se	2060.94 P	12.74	0.62
88 Sr	302755.31 P	3591.00	1.19
89 Y	4076935.00 A	35130.00	0.86
98 Mo	98193.40 P	572.60	0.58
107 Ag	163510.50 P	893.00	0.55
109 Ag	156482.80 P	1351.00	0.86
111 Cd	32213.52 P	544.40	1.69
114 Cd	72944.38 P	815.30	1.12
115 In	3782226.00 A	28980.00	0.77
118 Sn	92392.64 P	1376.00	1.49
120 Sn	127128.70 P	1437.00	1.13
121 Sb	114405.10 P	1657.00	1.45
123 Sb	88116.80 P	428.10	0.49
135 Ba	26030.94 P	280.90	1.08
137 Ba	44710.55 P	415.40	0.93
159 Tb	5186764.00 A	30270.00	0.58
182 W	124939.80 P	2888.00	2.31
203 Tl	106933.70 P	1536.00	1.44
205 Tl	258589.00 P	3657.00	1.41
208 Pb	350040.50 P	3560.00	1.02
209 Bi	3024565.00 A	40450.00	1.34
232 Th	385413.31 P	2272.00	0.59
238 U	389816.31 P	7650.00	1.96

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3117287.80	1.50	3225547.00	96.6	79.5 - 120.4	
45 Sc	2807044.80	1.05	2797225.50	100.4	79.5 - 120.4	
72 Ge	589006.06	0.55	598801.94	98.4	79.5 - 120.4	
159 Tb	5186763.50	0.58	5240202.50	99.0	79.5 - 120.4	
209 Bi	3024564.80	1.34	3108879.00	97.3	79.5 - 120.4	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

--- :Element Failures --- :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Calibration Standard QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\017CALI.D\017CALI.D#
 Date Acquired: Jul 1 2014 01:45 pm
 Operator: EAM
 Sample Name: Cal Std 4
 Misc Info:
 Vial Number: 1104
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal Update: Jul 01 2014 01:44 pm
 Sample Type: CalStd
 Total Dil Factor: 1.00

QC&ISTD Elements

Element	CPS Mean	SD	RSD(%)
6 Li	3158338.00 A	38880.00	1.23
9 Be	133716.00 P	836.80	0.63
11 B	64808.76 P	815.90	1.26
23 Na	85263328.00 A	376400.00	0.44
25 Mg	7357386.00 A	143300.00	1.95
27 Al	7084997.00 A	61940.00	0.87
28 Si	9998526.00 A	164500.00	1.65
29 Si	1589952.00 A	44330.00	2.79
39 K	78014208.00 A	467700.00	0.60
43 Ca	142082.91 P	1985.00	1.40
44 Ca	2357484.00 A	31570.00	1.34
45 Sc	2815435.00 A	23360.00	0.83
51 V	537054.31 P	3132.00	0.58
52 Cr	467949.69 P	2551.00	0.55
53 Cr	62073.06 P	723.30	1.17
55 Mn	564794.19 P	4975.00	0.88
56 Fe	94115728.00 A	687800.00	0.73
57 Fe	2374826.00 A	28800.00	1.21
59 Co	531660.00 P	5388.00	1.01
60 Ni	119226.40 P	875.90	0.73
63 Cu	289972.81 P	2168.00	0.75
65 Cu	136629.80 P	2107.00	1.54
66 Zn	59902.18 P	422.40	0.71
68 Zn	50371.90 P	305.30	0.61
72 Ge	582249.38 P	3236.00	0.56
75 As	61483.10 P	669.80	1.09
82 Se	4079.12 P	39.06	0.96
88 Sr	598689.00 P	6347.00	1.06
89 Y	4045719.00 A	27430.00	0.68
98 Mo	195394.50 P	1673.00	0.86
107 Ag	318465.59 P	3704.00	1.16
109 Ag	305018.59 P	3635.00	1.19
111 Cd	62277.29 P	796.60	1.28
114 Cd	142212.00 P	1174.00	0.83
115 In	3721872.00 A	31870.00	0.86
118 Sn	181308.30 P	2494.00	1.38
120 Sn	250976.20 P	2554.00	1.02
121 Sb	227708.00 P	1925.00	0.85
123 Sb	173161.59 P	3223.00	1.86
135 Ba	50758.26 P	1190.00	2.34
137 Ba	87563.68 P	756.80	0.86
159 Tb	5160277.00 A	49090.00	0.95
182 W	247983.50 P	4358.00	1.76
203 Tl	208011.80 P	2420.00	1.16
205 Tl	505484.81 P	5571.00	1.10
208 Pb	682377.63 P	7891.00	1.16
209 Bi	2959844.00 A	30770.00	1.04
232 Th	767753.31 P	7134.00	0.93
238 U	765572.13 P	9782.00	1.28

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3158337.80	1.23	3225547.00	97.9	79.5 - 120.4	
45 Sc	2815435.30	0.83	2797225.50	100.7	79.5 - 120.4	
72 Ge	582249.38	0.56	598801.94	97.2	79.5 - 120.4	
159 Tb	5160277.00	0.95	5240202.50	98.5	79.5 - 120.4	
209 Bi	2959844.00	1.04	3108879.00	95.2	79.5 - 120.4	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

--- :Element Failures --- :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
ISTD: Pass

ICV QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\018_ICV.D\018_ICV.D#
 Date Acquired: Jul 1 2014 01:48 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: ICV
 Misc Info:
 Vial Number: 1202
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Dilution Factor: 1.00
 QC Range (%): 89.499998 - 110.5

QC Elements

Element	Conc.		RSD(%)	Expected	Rec (%)	Flag
9 Be	19.55	ppb	3.20	20	97.75	
11 B	18.54	ppb	1.82	20	92.7	
23 Na	4,145.	ppb	1.78	4,000	103.625	
25 Mg	4,233.	ppb	1.47	4,000	105.825	
27 Al	411.3	ppb	2.52	400	102.825	
28 Si	397.3	ppb	1.89	400	99.325	
29 Si	464.6	ppb	15.90	400	116.15	Fail
39 K	4,159.	ppb	1.10	4,000	103.975	
43 Ca	4,215.	ppb	1.10	4,000	105.375	
44 Ca	4,215.	ppb	2.18	4,000	105.375	
51 V	19.84	ppb	1.22	20	99.2	
52 Cr	19.66	ppb	1.69	20	98.3	
53 Cr	18.27	ppb	3.74	20	91.35	
55 Mn	19.81	ppb	1.86	20	99.05	
56 Fe	4,122.	ppb	1.90	4,000	103.05	
57 Fe	4,137.	ppb	2.10	4,000	103.425	
59 Co	20.31	ppb	1.15	20	101.55	
60 Ni	20.85	ppb	2.74	20	104.25	
63 Cu	19.97	ppb	1.66	20	99.85	
65 Cu	20.05	ppb	2.59	20	100.25	
66 Zn	20.31	ppb	1.36	20	101.55	
68 Zn	20.88	ppb	3.83	20	104.4	
75 As	20.27	ppb	0.55	20	101.35	
82 Se	20.42	ppb	1.86	20	102.1	
88 Sr	20.39	ppb	1.32	20	101.95	
89 Y	-----	---	-----	---	#VALUE!	
98 Mo	41.16	ppb	1.16	40	102.9	
107 Ag	20.34	ppb	1.39	20	101.7	
109 Ag	20.35	ppb	1.46	20	101.75	
111 Cd	20.09	ppb	0.64	20	100.45	
114 Cd	20.	ppb	1.34	20	100	
115 In	-----	---	-----	---	#VALUE!	
118 Sn	20.58	ppb	3.02	20	102.9	
120 Sn	20.6	ppb	2.63	20	103	
121 Sb	20.39	ppb	1.94	20	101.95	
123 Sb	20.21	ppb	2.48	20	101.05	
135 Ba	20.33	ppb	1.90	20	101.65	
137 Ba	20.41	ppb	1.19	20	102.05	
182 W	7.727	ppb	3.42	20	38.635	Fail
203 Tl	20.65	ppb	2.23	20	103.25	
205 Tl	20.5	ppb	2.17	20	102.5	
208 Pb	20.28	ppb	1.89	20	101.4	
232 Th	20.29	ppb	1.77	20	101.45	
238 U	20.14	ppb	2.41	20	100.7	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3192340.30	2.10	3225547.00	99.0	80 - 120.4	
45 Sc	2776725.50	0.50	2797225.50	99.3	80 - 120.4	
72 Ge	586999.06	0.67	598801.94	98.0	80 - 120.4	
159 Tb	5139718.50	1.63	5240202.50	98.1	80 - 120.4	
209 Bi	3035186.30	0.81	3108879.00	97.6	80 - 120.4	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

2 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Fail
 ISTD: Pass

ICB QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\019_ICB.D\019_ICB.D#
 Date Acquired: Jul 1 2014 01:51 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: ICB
 Misc Info:
 Vial Number: 1203
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: 6-ICB
 Dilution Factor: 1.00

QC Elements

Element	Conc.		RSD(%)	High Limit	Flag
9 Be	0.0028	ppb	28.31	1.00	
11 B	0.3779	ppb	44.54	1.00	
23 Na	0.1338	ppb	99.63	1.00	
25 Mg	0.1517	ppb	63.12	1.00	
27 Al	-0.0475	ppb	98.30	1.00	
28 Si	12.9	ppb	390.93	1.00	
29 Si	108.8	ppb	95.50	1.00	Fail
39 K	2.661	ppb	68.58	1.00	
43 Ca	-2.294	ppb	138.54	1.00	
44 Ca	-4.297	ppb	45.82	1.00	
51 V	-0.0315	ppb	98.76	1.00	
52 Cr	-0.0501	ppb	13.02	1.00	
53 Cr	-1.734	ppb	11.46	1.00	
55 Mn	0.0008	ppb	1253.00	1.00	
56 Fe	-2.13	ppb	39.62	1.00	
57 Fe	1.022	ppb	21.89	1.00	
59 Co	-0.005	ppb	12.91	1.00	
60 Ni	-0.0074	ppb	84.11	1.00	
63 Cu	0.003	ppb	372.62	1.00	
65 Cu	0.0105	ppb	249.48	1.00	
66 Zn	-0.0512	ppb	107.11	1.00	
68 Zn	0.1141	ppb	179.23	1.00	
75 As	-0.059	ppb	98.54	1.00	
82 Se	-0.0857	ppb	121.06	1.00	
88 Sr	-0.0009	ppb	397.24	1.00	
89 Y	-----	---	-----	---	
98 Mo	0.1008	ppb	6.93	1.00	
107 Ag	0.0021	ppb	87.57	1.00	
109 Ag	-0.0007	ppb	137.82	1.00	
111 Cd	0.0431	ppb	49.35	1.00	
114 Cd	0.0003	ppb	1570.70	1.00	
115 In	-----	---	-----	---	
118 Sn	0.0709	ppb	29.94	1.00	
120 Sn	0.0745	ppb	34.55	1.00	
121 Sb	0.0126	ppb	65.41	1.00	
123 Sb	0.0222	ppb	18.70	1.00	
135 Ba	0.0045	ppb	161.05	1.00	
137 Ba	-0.0005	ppb	245.57	1.00	
182 W	0.1032	ppb	13.20	1.00	
203 Tl	0.0099	ppb	33.31	1.00	
205 Tl	0.0077	ppb	16.30	1.00	
208 Pb	0.0021	ppb	48.21	1.00	
232 Th	0.0467	ppb	14.73	1.00	
238 U	0.0019	ppb	26.44	1.00	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3247649.30	0.92	3225547.00	100.7	79.5 - 120	
45 Sc	2791476.30	0.98	2797225.50	99.8	79.5 - 120	
72 Ge	595314.75	0.50	598801.94	99.4	79.5 - 120	
159 Tb	5225981.00	1.26	5240202.50	99.7	79.5 - 120	
209 Bi	3118958.50	0.46	3108879.00	100.3	79.5 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

1 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Fail
 ISTD: Pass

PQL QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\020_PQL.D\020_PQL.D#
 Date Acquired: Jul 1 2014 01:54 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: PQL
 Misc Info:
 Vial Number: 1302
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Dilution Factor: 1.00
 QC Range (%): 69.599998 - 130.4

QC Elements

Element	Conc.		RSD(%)	Expected	Rec (%)	Flag
9 Be	0.192	ppb	10.22	0.20	96	
11 B	3.826	ppb	2.48	4.00	95.65	
23 Na	212.5	ppb	1.43	200.00	106.25	
25 Mg	20.32	ppb	3.38	20.00	101.6	
27 Al	61.67	ppb	0.75	60.00	102.783	
28 Si	88.77	ppb	22.22	100.00	88.77	
29 Si	100.8	ppb	88.85	100.00	100.8	
39 K	201.8	ppb	2.12	200.00	100.9	
43 Ca	21.78	ppb	43.26	20.00	108.9	
44 Ca	17.59	ppb	16.85	20.00	87.95	
51 V	0.9537	ppb	7.75	1.00	95.37	
52 Cr	0.9479	ppb	3.48	1.00	94.79	
53 Cr	-0.3463	ppb	101.10	---	#VALUE!	
55 Mn	0.4054	ppb	3.00	0.40	101.35	
56 Fe	19.84	ppb	12.58	20.00	99.2	
57 Fe	21.	ppb	11.54	20.00	105	
59 Co	0.2171	ppb	2.05	0.20	108.55	
60 Ni	0.3887	ppb	5.68	0.40	97.175	
63 Cu	0.5908	ppb	1.67	0.60	98.4667	
65 Cu	0.634	ppb	7.43	0.60	105.667	
66 Zn	1.942	ppb	6.19	2.00	97.1	
68 Zn	2.067	ppb	7.73	2.00	103.35	
75 As	0.8939	ppb	17.21	1.00	89.39	
82 Se	0.899	ppb	26.53	1.00	89.9	
88 Sr	0.9801	ppb	3.17	1.00	98.01	
89 Y	-----	---	-----	---	#VALUE!	
98 Mo	0.9606	ppb	3.07	1.00	96.06	
107 Ag	0.2119	ppb	1.95	0.20	105.95	
109 Ag	0.1967	ppb	4.16	0.20	98.35	
111 Cd	0.2272	ppb	13.20	0.20	113.6	
114 Cd	0.2004	ppb	4.12	0.20	100.2	
115 In	-----	---	-----	---	#VALUE!	
118 Sn	1.011	ppb	2.03	1.00	101.1	
120 Sn	1.007	ppb	1.37	1.00	100.7	
121 Sb	0.2132	ppb	3.91	0.20	106.6	
123 Sb	0.2152	ppb	1.11	0.20	107.6	
135 Ba	0.4016	ppb	4.58	0.40	100.4	
137 Ba	0.3874	ppb	7.27	0.40	96.85	
182 W	1.032	ppb	3.89	1.00	103.2	
203 Tl	0.2087	ppb	4.95	0.20	104.35	
205 Tl	0.2005	ppb	5.89	0.20	100.25	
208 Pb	0.2024	ppb	6.11	0.20	101.2	
232 Th	0.1884	ppb	14.41	0.20	94.2	
238 U	0.1975	ppb	0.82	0.20	98.75	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3270348.80	1.37	3225547.00	101.4	80 - 120.4	
45 Sc	2820645.80	1.26	2797225.50	100.8	80 - 120.4	
72 Ge	598417.50	0.92	598801.94	99.9	80 - 120.4	
159 Tb	5257046.50	1.59	5240202.50	100.3	80 - 120.4	
209 Bi	3129347.80	1.00	3108879.00	100.7	80 - 120.4	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

ICS-A QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\021ICSA.D\021ICSA.D#
 Date Acquired: Jul 1 2014 01:57 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: ICSA
 Misc Info:
 Vial Number: 1204
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: 6-ICSA
 Dilution Factor: 1.00

QC Elements

Element	Conc.		RSD(%)	High Limit	Flag
9 Be	0.0128	ppb	7.66		
11 B	0.1933	ppb	32.04		
23 Na	96,270.	ppb	1.20		
25 Mg	94,480.	ppb	1.27		
27 Al	94,920.	ppb	1.49		
28 Si	-130.5	ppb	28.31		
29 Si	-245.4	ppb	30.36		
39 K	95,890.	ppb	0.83		
43 Ca	100,900.	ppb	1.14		
44 Ca	93,710.	ppb	1.47		
51 V	0.1747	ppb	22.45		
52 Cr	1.698	ppb	2.82		
53 Cr	-0.1189	ppb	168.29		
55 Mn	0.4394	ppb	2.59		
56 Fe	93,260.	ppb	1.39		
57 Fe	89,350.	ppb	0.91		
59 Co	0.1167	ppb	4.54		
60 Ni	0.0642	ppb	52.59		
63 Cu	1.494	ppb	2.67		
65 Cu	0.9811	ppb	3.93		
66 Zn	2.086	ppb	3.44		
68 Zn	1.316	ppb	15.24		
75 As	0.397	ppb	15.81		
82 Se	0.0477	ppb	510.91		
88 Sr	0.634	ppb	5.19		
89 Y	-----	---	-----		
98 Mo	1,873.	ppb	1.11		
107 Ag	0.0166	ppb	8.43		
109 Ag	0.0204	ppb	11.19		
111 Cd	0.1082	ppb	40.75		
114 Cd	0.0542	ppb	82.37		
115 In	-----	---	-----		
118 Sn	0.0504	ppb	27.31		
120 Sn	0.0559	ppb	18.46		
121 Sb	0.0356	ppb	10.76		
123 Sb	0.041	ppb	21.09		
135 Ba	0.0889	ppb	29.54		
137 Ba	0.0948	ppb	6.74		
182 W	0.1605	ppb	3.52		
203 Tl	0.009	ppb	49.69		
205 Tl	0.0038	ppb	56.63		
208 Pb	0.2006	ppb	2.70		
232 Th	0.0889	ppb	16.39		
238 U	0.0019	ppb	32.46		

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3070929.00	2.04	3225547.00	95.2	69.5 - 130.4	
45 Sc	2743523.00	0.86	2797225.50	98.1	69.5 - 130.4	
72 Ge	588797.00	0.60	598801.94	98.3	69.5 - 130.4	
159 Tb	5209001.00	1.29	5240202.50	99.4	69.5 - 130.4	
209 Bi	2831664.30	1.24	3108879.00	91.1	69.5 - 130.4	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

ICS-AB QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\022ICSB.D\022ICSB.D#
 Date Acquired: Jul 1 2014 02:01 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: ICSAB
 Misc Info:
 Vial Number: 1205
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: 6-ICSAB
 Dilution Factor: 1.00

QC Elements

Element	Conc.		RSD(%)	Expected QC Range(%)	Flag
9 Be	18.89	ppb	1.45	20.00 79.5 - 120	
11 B	17.4	ppb	2.71	20.00 79.5 - 120	
23 Na	92,980.	ppb	0.64 #####	79.5 - 120	
25 Mg	91,550.	ppb	1.19 #####	79.5 - 120	
27 Al	94,140.	ppb	0.90 #####	79.5 - 120	
28 Si	368.4	ppb	20.49	--- ##### - #####	
29 Si	219.8	ppb	80.21	--- ##### - #####	
39 K	94,420.	ppb	0.85 #####	79.5 - 120	
43 Ca	97,580.	ppb	0.69 #####	79.5 - 120	
44 Ca	90,970.	ppb	1.50 #####	79.5 - 120	
51 V	19.45	ppb	1.85	20.00 79.5 - 120	
52 Cr	20.66	ppb	2.07	20.00 79.5 - 120	
53 Cr	19.89	ppb	3.09	--- ##### - #####	
55 Mn	19.11	ppb	2.25	20.00 79.5 - 120	
56 Fe	92,420.	ppb	1.26 #####	79.5 - 120	
57 Fe	88,520.	ppb	1.01 #####	79.5 - 120	
59 Co	18.93	ppb	1.05	20.00 79.5 - 120	
60 Ni	18.47	ppb	2.02	20.00 79.5 - 120	
63 Cu	19.61	ppb	2.16	20.00 79.5 - 120	
65 Cu	19.15	ppb	1.54	20.00 79.5 - 120	
66 Zn	20.09	ppb	4.17	20.00 79.5 - 120	
68 Zn	18.29	ppb	7.06	20.00 79.5 - 120	
75 As	19.76	ppb	3.51	20.00 79.5 - 120	
82 Se	19.76	ppb	1.02	20.00 79.5 - 120	
88 Sr	18.98	ppb	2.42	20.00 79.5 - 120	
89 Y	-----	---	-----	--- ##### - #####	
98 Mo	1,927.	ppb	1.39	2000.00 79.5 - 120	
107 Ag	18.37	ppb	2.23	20.00 79.5 - 120	
109 Ag	18.39	ppb	2.34	20.00 79.5 - 120	
111 Cd	18.92	ppb	2.55	20.00 79.5 - 120	
114 Cd	19.	ppb	1.75	20.00 79.5 - 120	
115 In	-----	---	-----	--- ##### - #####	
118 Sn	18.52	ppb	3.01	20.00 79.5 - 120	
120 Sn	18.49	ppb	1.62	20.00 79.5 - 120	
121 Sb	19.35	ppb	1.36	20.00 79.5 - 120	
123 Sb	19.48	ppb	2.37	20.00 79.5 - 120	
135 Ba	19.33	ppb	1.04	20.00 79.5 - 120	
137 Ba	19.47	ppb	2.27	20.00 79.5 - 120	
182 W	20.49	ppb	2.50	20.00 79.5 - 120	
203 Tl	20.15	ppb	1.84	20.00 79.5 - 120	
205 Tl	20.08	ppb	2.20	20.00 79.5 - 120	
208 Pb	20.23	ppb	2.02	20.00 79.5 - 120	
232 Th	21.13	ppb	2.29	20.00 79.5 - 120	
238 U	20.95	ppb	2.53	20.00 79.5 - 120	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3083317.00	1.89	3225547.00	95.6	69.5 - 130	
45 Sc	2748544.30	0.82	2797225.50	98.3	69.5 - 130	
72 Ge	583509.13	1.53	598801.94	97.4	69.5 - 130	
159 Tb	5307708.50	1.15	5240202.50	101.3	69.5 - 130	
209 Bi	2934986.80	1.46	3108879.00	94.4	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\023SMPL.D\023SMPL.D#
 Date Acquired: Jul 1 2014 02:04 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: Blank
 Misc Info:
 Vial Number: 1301
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 1.00
 Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	0.001	0.001	ppb	77.41	100.	
11 B	-0.1863	-0.1863	ppb	20.83	1000.	
23 Na	14.27	14.27	ppb	18.98	200000.	
25 Mg	9.874	9.874	ppb	32.92	200000.	
27 Al	9.221	9.221	ppb	31.43	200000.	
28 Si	-126.9	-126.9	ppb	17.34	#VALUE!	
29 Si	-441.9	-441.9	ppb	23.78	10000.	LOW
39 K	4.251	4.251	ppb	60.88	200000.	
43 Ca	4.284	4.284	ppb	46.45	#VALUE!	
44 Ca	6.795	6.795	ppb	28.95	200000.	
51 V	0.0585	0.0585	ppb	44.78	1000.	
52 Cr	-0.0403	-0.0403	ppb	23.75	1000.	
53 Cr	-0.7556	-0.7556	ppb	50.38	#VALUE!	
55 Mn	-0.021	-0.021	ppb	40.21	1000.	
56 Fe	8.585	8.585	ppb	26.24	#VALUE!	
57 Fe	5.341	5.341	ppb	60.59	100000.	
59 Co	-0.0003	-0.0003	ppb	906.45	1000.	
60 Ni	0.0003	0.0003	ppb	5428.00	1000.	
63 Cu	0.517	0.517	ppb	5.51	#VALUE!	
65 Cu	0.5205	0.5205	ppb	6.48	1000.	
66 Zn	0.0004	0.0004	ppb	8557.10	1000.	
68 Zn	-1.303	-1.303	ppb	2.10	#VALUE!	
75 As	0.0936	0.0936	ppb	26.53	1000.	
82 Se	0.1022	0.1022	ppb	24.75	1000.	
88 Sr	0.0064	0.0064	ppb	68.80	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	1.231	1.231	ppb	3.61	1000.	
107 Ag	0.0043	0.0043	ppb	53.69	500.	
109 Ag	0.0011	0.0011	ppb	329.13	#VALUE!	
111 Cd	-0.0426	-0.0426	ppb	66.75	#VALUE!	
114 Cd	0.0086	0.0086	ppb	16.43	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	0.0097	0.0097	ppb	34.92	1000.	
120 Sn	0.0081	0.0081	ppb	44.59	#VALUE!	
121 Sb	0.0033	0.0033	ppb	47.48	#VALUE!	
123 Sb	0.0018	0.0018	ppb	180.05	1000.	
135 Ba	0.0121	0.0121	ppb	45.32	1000.	
137 Ba	0.0078	0.0078	ppb	45.60	#VALUE!	
182 W	0.0293	0.0293	ppb ---		#VALUE!	
203 Tl	0.0061	0.0061	ppb	39.63	1000.	
205 Tl	0.0048	0.0048	ppb	36.44	#VALUE!	
208 Pb	0.0041	0.0041	ppb	72.98	1000.	
232 Th	0.0202	0.0202	ppb	7.91	1000.	
238 U	0.0002	0.0002	ppb	380.79	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3299897.30	0.51	3225547.00	102.3	69.5 - 130	
45 Sc	2757223.00	1.99	2797225.50	98.6	69.5 - 130	
72 Ge	595509.94	0.91	598801.94	99.5	69.5 - 130	
159 Tb	5453664.50	2.05	5240202.50	104.1	69.5 - 130	
209 Bi	3251976.00	1.05	3108879.00	104.6	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

1 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Fail
 ISTD: Pass

CCV QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\024_CCV.D\024_CCV.D#
 Date Acquired: Jul 1 2014 02:07 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: CCV
 Misc Info:
 Vial Number: 1206
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Dilution Factor: 1.00
 QC Range (%): 89.5 - 110.5

QC Elements

Element	Conc.		RSD(%)	Expected	Rec (%)	Flag
9 Be	23.01	ppb	1.72	25	92.04	
11 B	23.16	ppb	2.97	25	92.64	
23 Na	4,932.	ppb	1.92	5,000	98.64	
25 Mg	5,015.	ppb	1.84	5,000	100.3	
27 Al	518.6	ppb	1.72	500	103.72	
28 Si	420.2	ppb	6.88	500	84.04	
29 Si	238.1	ppb	37.25	500	47.62	Fail
39 K	4,984.	ppb	1.31	5,000	99.68	
43 Ca	4,938.	ppb	2.36	5,000	98.76	
44 Ca	5,034.	ppb	1.83	5,000	100.68	
51 V	24.55	ppb	1.89	25	98.2	
52 Cr	24.76	ppb	1.20	25	99.04	
53 Cr	24.56	ppb	1.46	25	98.24	
55 Mn	24.79	ppb	1.27	25	99.16	
56 Fe	5,004.	ppb	1.57	5,000	100.08	
57 Fe	5,018.	ppb	0.65	5,000	100.36	
59 Co	24.91	ppb	0.39	25	99.64	
60 Ni	25.	ppb	2.47	25	100	
63 Cu	25.03	ppb	1.45	25	100.12	
65 Cu	24.89	ppb	1.21	25	99.56	
66 Zn	24.55	ppb	1.19	25	98.2	
68 Zn	23.72	ppb	2.80	25	94.88	
75 As	24.61	ppb	1.99	25	98.44	
82 Se	25.13	ppb	2.42	25	100.52	
88 Sr	24.96	ppb	1.28	25	99.84	
89 Y	-----	---	-----	---	#VALUE!	
98 Mo	25.46	ppb	1.69	25	101.84	
107 Ag	25.45	ppb	1.80	25	101.8	
109 Ag	25.55	ppb	1.30	25	102.2	
111 Cd	25.32	ppb	0.72	25	101.28	
114 Cd	25.66	ppb	1.31	25	102.64	
115 In	-----	---	-----	---	#VALUE!	
118 Sn	24.38	ppb	1.16	25	97.52	
120 Sn	24.7	ppb	0.59	25	98.8	
121 Sb	24.49	ppb	0.78	25	97.96	
123 Sb	24.52	ppb	0.49	25	98.08	
135 Ba	24.75	ppb	0.98	25	99	
137 Ba	24.51	ppb	0.87	25	98.04	
182 W	24.95	ppb	1.29	25	99.8	
203 Tl	24.34	ppb	1.34	25	97.36	
205 Tl	24.48	ppb	1.15	25	97.92	
208 Pb	24.56	ppb	1.04	25	98.24	
232 Th	24.23	ppb	1.64	25	96.92	
238 U	24.36	ppb	1.52	25	97.44	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3269496.80	1.05	3225547.00	101.4	80 - 120.4	
45 Sc	2779119.30	1.46	2797225.50	99.4	80 - 120.4	
72 Ge	587405.19	1.53	598801.94	98.1	80 - 120.4	
159 Tb	5423315.00	0.61	5240202.50	103.5	80 - 120.4	
209 Bi	3214393.50	0.95	3108879.00	103.4	80 - 120.4	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

1 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Fail
 ISTD: Pass

CCB QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\025_CCB.D\025_CCB.D#
 Date Acquired: Jul 1 2014 02:11 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: CCB
 Misc Info:
 Vial Number: 1207
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: 6-CCB
 Dilution Factor: 1.00

QC Elements

Element	Conc.		RSD(%)	High Limit	Flag
9 Be	0.0019	ppb	167.49	1.00	
11 B	0.1915	ppb	52.14	1.00	
23 Na	1.185	ppb	26.14	1.00	
25 Mg	0.8604	ppb	75.63	1.00	
27 Al	0.2962	ppb	186.66	1.00	
28 Si	-80.72	ppb	50.95	1.00	
29 Si	-215.8	ppb	61.96	1.00	
39 K	-4.642	ppb	6.66	1.00	
43 Ca	-2.507	ppb	102.51	1.00	
44 Ca	-1.671	ppb	170.86	1.00	
51 V	0.0363	ppb	245.23	1.00	
52 Cr	-0.0538	ppb	30.30	1.00	
53 Cr	-1.022	ppb	27.77	1.00	
55 Mn	-0.003	ppb	303.01	1.00	
56 Fe	0.1151	ppb	3079.10	1.00	
57 Fe	-2.092	ppb	144.84	1.00	
59 Co	-0.0043	ppb	28.50	1.00	
60 Ni	-0.0017	ppb	802.26	1.00	
63 Cu	0.0047	ppb	316.08	1.00	
65 Cu	0.0067	ppb	382.95	1.00	
66 Zn	-0.0559	ppb	70.04	1.00	
68 Zn	-0.8219	ppb	16.18	1.00	
75 As	0.0577	ppb	160.10	1.00	
82 Se	0.1921	ppb	48.20	1.00	
88 Sr	0.0054	ppb	28.28	1.00	
89 Y	-----	---	-----	---	
98 Mo	0.2281	ppb	4.29	1.00	
107 Ag	0.0013	ppb	314.33	1.00	
109 Ag	0.0014	ppb	263.04	1.00	
111 Cd	-0.0141	ppb	110.43	1.00	
114 Cd	-0.0014	ppb	89.60	1.00	
115 In	-----	---	-----	---	
118 Sn	0.0549	ppb	14.55	1.00	
120 Sn	0.0495	ppb	29.93	1.00	
121 Sb	0.0142	ppb	34.38	1.00	
123 Sb	0.0123	ppb	27.91	1.00	
135 Ba	-0.0068	ppb	87.61	1.00	
137 Ba	-0.0038	ppb	157.79	1.00	
182 W	0.1027	ppb	7.35	1.00	
203 Tl	0.0094	ppb	51.69	1.00	
205 Tl	0.006	ppb	48.18	1.00	
208 Pb	0.0021	ppb	231.14	1.00	
232 Th	0.0383	ppb	21.73	1.00	
238 U	0.0011	ppb	172.20	1.00	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3276628.00	2.12	3225547.00	101.6	79.5 - 120	
45 Sc	2824164.00	1.08	2797225.50	101.0	79.5 - 120	
72 Ge	599628.81	1.63	598801.94	100.1	79.5 - 120	
159 Tb	5511247.00	1.85	5240202.50	105.2	79.5 - 120	
209 Bi	3271112.30	1.66	3108879.00	105.2	79.5 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\026SMPL.D\026SMPL.D#
 Date Acquired: Jul 1 2014 02:14 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: PBWHF30IMW1
 Misc Info:
 Vial Number: 2101
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 1.00
 Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	0.0028	0.0028	ppb	53.86	100.	
11 B	0.8397	0.8397	ppb	12.04	1000.	
23 Na	12.33	12.33	ppb	2.03	200000.	
25 Mg	3.946	3.946	ppb	2.68	200000.	
27 Al	2.462	2.462	ppb	6.39	200000.	
28 Si	-10.52	-10.52	ppb	146.96	#VALUE!	
29 Si	-110.7	-110.7	ppb	13.54	10000.	LOW
39 K	-2.915	-2.915	ppb	14.97	200000.	
43 Ca	7.569	7.569	ppb	49.97	#VALUE!	
44 Ca	0.6002	0.6002	ppb	132.97	200000.	
51 V	-0.0043	-0.0043	ppb	1492.40	1000.	
52 Cr	-0.012	-0.012	ppb	138.96	1000.	
53 Cr	-0.2346	-0.2346	ppb	85.34	#VALUE!	
55 Mn	0.021	0.021	ppb	32.04	1000.	
56 Fe	0.0697	0.0697	ppb	611.50	#VALUE!	
57 Fe	-2.199	-2.199	ppb	28.26	100000.	
59 Co	0.0028	0.0028	ppb	23.39	1000.	
60 Ni	0.0058	0.0058	ppb	185.09	1000.	
63 Cu	0.0475	0.0475	ppb	25.37	#VALUE!	
65 Cu	0.0662	0.0662	ppb	42.43	1000.	
66 Zn	0.2207	0.2207	ppb	15.33	1000.	
68 Zn	-0.5878	-0.5878	ppb	37.87	#VALUE!	
75 As	-0.1972	-0.1972	ppb	25.96	1000.	
82 Se	0.0397	0.0397	ppb	715.08	1000.	
88 Sr	0.0109	0.0109	ppb	28.84	1000.	
89 Y	----	-----	---		#VALUE!	
98 Mo	0.1417	0.1417	ppb	9.04	1000.	
107 Ag	0.0024	0.0024	ppb	138.85	500.	
109 Ag	-0.0001	-0.0001	ppb	493.43	#VALUE!	
111 Cd	-0.0295	-0.0295	ppb	36.32	#VALUE!	
114 Cd	0.0028	0.0028	ppb	146.57	1000.	
115 In	----	-----	---		#VALUE!	
118 Sn	0.0496	0.0496	ppb	31.79	1000.	
120 Sn	0.048	0.048	ppb	21.82	#VALUE!	
121 Sb	0.0092	0.0092	ppb	69.38	#VALUE!	
123 Sb	0.0049	0.0049	ppb	75.48	1000.	
135 Ba	0.3703	0.3703	ppb	12.90	1000.	
137 Ba	0.3723	0.3723	ppb	4.69	#VALUE!	
182 W	0.0436	0.0436	ppb ---		#VALUE!	
203 Tl	0.0029	0.0029	ppb	60.23	1000.	
205 Tl	0.0035	0.0035	ppb	25.86	#VALUE!	
208 Pb	0.0069	0.0069	ppb	33.42	1000.	
232 Th	0.0149	0.0149	ppb	14.47	1000.	
238 U	0.001	0.001	ppb	55.04	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3388465.30	0.66	3225547.00	105.1	69.5 - 130	
45 Sc	2830870.50	0.67	2797225.50	101.2	69.5 - 130	
72 Ge	605438.13	0.60	598801.94	101.1	69.5 - 130	
159 Tb	5584783.00	1.24	5240202.50	106.6	69.5 - 130	
209 Bi	3324164.80	0.51	3108879.00	106.9	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

1 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Fail
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\027SMPL.D\027SMPL.D#
 Date Acquired: Jul 1 2014 02:17 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: LCSWHF30IMW1
 Misc Info: DILUTION 1.6/8
 Vial Number: 2102
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 5.00
 Autodil Factor: Undiluted
Final Dil Factor: 5.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	44.285	8.857	ppb	1.72	100.	
11 B	429.15	85.83	ppb	0.58	1000.	
23 Na	7,680.	1,536.	ppb	1.33	200000.	
25 Mg	5,225.	1,045.	ppb	1.15	200000.	
27 Al	2,113.	422.6	ppb	0.90	200000.	
28 Si	4,886.5	977.3	ppb	2.14	#VALUE!	
29 Si	4,431.5	886.3	ppb	12.22	10000.	
39 K	10,270.	2,054.	ppb	0.58	200000.	
43 Ca	2,909.	581.8	ppb	2.99	#VALUE!	
44 Ca	2,268.5	453.7	ppb	1.15	200000.	
51 V	507.5	101.5	ppb	0.39	1000.	
52 Cr	198.35	39.67	ppb	0.87	1000.	
53 Cr	203.2	40.64	ppb	2.34	#VALUE!	
55 Mn	520.	104.	ppb	0.07	1000.	
56 Fe	1,057.	211.4	ppb	1.77	#VALUE!	
57 Fe	978.	195.6	ppb	1.51	100000.	
59 Co	520.5	104.1	ppb	0.31	1000.	
60 Ni	518.	103.6	ppb	0.65	1000.	
63 Cu	254.3	50.86	ppb	0.63	#VALUE!	
65 Cu	256.25	51.25	ppb	0.29	1000.	
66 Zn	523.5	104.7	ppb	0.78	1000.	
68 Zn	557.5	111.5	ppb	0.36	#VALUE!	
75 As	103.45	20.69	ppb	1.22	1000.	
82 Se	102.95	20.59	ppb	1.29	1000.	
88 Sr	523.5	104.7	ppb	1.33	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	306.75	61.35	ppb	0.52	1000.	
107 Ag	52.1	10.42	ppb	0.58	500.	
109 Ag	52.25	10.45	ppb	1.28	#VALUE!	
111 Cd	266.8	53.36	ppb	0.54	#VALUE!	
114 Cd	269.8	53.96	ppb	0.64	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	493.25	98.65	ppb	1.10	1000.	
120 Sn	495.85	99.17	ppb	1.13	#VALUE!	
121 Sb	101.35	20.27	ppb	1.29	#VALUE!	
123 Sb	102.4	20.48	ppb	2.04	1000.	
135 Ba	1,979.5	395.9	ppb	1.08	1000.	
137 Ba	1,982.5	396.5	ppb	0.88	#VALUE!	
182 W	107.4	21.48	ppb ---		#VALUE!	
203 Tl	101.9	20.38	ppb	0.67	1000.	
205 Tl	101.7	20.34	ppb	0.57	#VALUE!	
208 Pb	104.25	20.85	ppb	0.23	1000.	
232 Th	0.5015	0.1003	ppb	25.12	1000.	
238 U	101.	20.2	ppb	0.34	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3434541.00	1.39	3225547.00	106.5	69.5 - 130	
45 Sc	2817444.80	0.35	2797225.50	100.7	69.5 - 130	
72 Ge	590499.38	0.45	598801.94	98.6	69.5 - 130	
159 Tb	5530112.00	0.36	5240202.50	105.5	69.5 - 130	
209 Bi	3271683.00	0.76	3108879.00	105.2	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\028SMPL.D\028SMPL.D#
 Date Acquired: Jul 1 2014 02:21 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: SH4433-001R
 Misc Info:
 Vial Number: 2103
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 1.00
 Autodil Factor: Undiluted
Final Dil Factor: 1.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	0.0138	0.0138	ppb	19.73	100.	
11 B	11.69	11.69	ppb	1.62	1000.	
23 Na	53,160.	53,160.	ppb	2.69	200000.	
25 Mg	2,885.	2,885.	ppb	2.25	200000.	
27 Al	133.5	133.5	ppb	1.67	200000.	
28 Si	1,798.	1,798.	ppb	3.99	#VALUE!	
29 Si	1,825.	1,825.	ppb	11.58	10000.	
39 K	1,220.	1,220.	ppb	1.62	200000.	
43 Ca	46,600.	46,600.	ppb	1.40	#VALUE!	
44 Ca	44,330.	44,330.	ppb	1.98	200000.	
51 V	4.944	4.944	ppb	2.43	1000.	
52 Cr	2.099	2.099	ppb	1.13	1000.	
53 Cr	0.9015	0.9015	ppb	34.79	#VALUE!	
55 Mn	163.1	163.1	ppb	2.18	1000.	
56 Fe	365.7	365.7	ppb	3.08	#VALUE!	
57 Fe	477.1	477.1	ppb	3.10	100000.	
59 Co	0.6929	0.6929	ppb	2.87	1000.	
60 Ni	1.663	1.663	ppb	2.04	1000.	
63 Cu	2.669	2.669	ppb	2.38	#VALUE!	
65 Cu	2.206	2.206	ppb	2.69	1000.	
66 Zn	17.01	17.01	ppb	1.35	1000.	
68 Zn	17.42	17.42	ppb	1.78	#VALUE!	
75 As	1.515	1.515	ppb	5.78	1000.	
82 Se	3.956	3.956	ppb	3.36	1000.	
88 Sr	130.4	130.4	ppb	1.87	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	1.209	1.209	ppb	3.44	1000.	
107 Ag	0.0017	0.0017	ppb	166.21	500.	
109 Ag	0.0026	0.0026	ppb	161.79	#VALUE!	
111 Cd	0.1374	0.1374	ppb	32.22	#VALUE!	
114 Cd	0.15	0.15	ppb	7.57	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	0.3782	0.3782	ppb	11.92	1000.	
120 Sn	0.3729	0.3729	ppb	17.84	#VALUE!	
121 Sb	0.0985	0.0985	ppb	7.11	#VALUE!	
123 Sb	0.1025	0.1025	ppb	5.00	1000.	
135 Ba	27.96	27.96	ppb	0.29	1000.	
137 Ba	28.38	28.38	ppb	1.41	#VALUE!	
182 W	0.332	0.332	ppb ---		#VALUE!	
203 Tl	0.0196	0.0196	ppb	7.63	1000.	
205 Tl	0.0167	0.0167	ppb	7.32	#VALUE!	
208 Pb	2.636	2.636	ppb	1.30	1000.	
232 Th	0.0217	0.0217	ppb	16.78	1000.	
238 U	0.9396	0.9396	ppb	1.63	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3188371.50	0.91	3225547.00	98.8	69.5 - 130	
45 Sc	2774648.00	1.48	2797225.50	99.2	69.5 - 130	
72 Ge	590631.50	1.99	598801.94	98.6	69.5 - 130	
159 Tb	5432310.00	1.73	5240202.50	103.7	69.5 - 130	
209 Bi	3105345.00	1.44	3108879.00	99.9	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\029SMPL.D\029SMPL.D#
 Date Acquired: Jul 1 2014 02:24 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: PBWHF26IMW1
 Misc Info: DILUTION 1.6/8
 Vial Number: 2104
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 5.00
 Autodil Factor: Undiluted
Final Dil Factor: 5.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	0.0045	0.0009	ppb	42.74	100.	
11 B	3.3145	0.6629	ppb	18.53	1000.	
23 Na	44.32	8.864	ppb	5.56	200000.	
25 Mg	7.335	1.467	ppb	7.12	200000.	
27 Al	6.87	1.374	ppb	12.11	200000.	
28 Si	-707.	-141.4	ppb	15.75	#VALUE!	
29 Si	-1,083.	-216.6	ppb	51.75	10000.	LOW
39 K	-1.6645	-0.3329	ppb	276.96	200000.	
43 Ca	11.83	2.366	ppb	21.97	#VALUE!	
44 Ca	-7.415	-1.483	ppb	91.98	200000.	
51 V	0.665	0.133	ppb	39.87	1000.	
52 Cr	0.7925	0.1585	ppb	14.92	1000.	
53 Cr	45.795	9.159	ppb	3.42	#VALUE!	
55 Mn	0.4271	0.0854	ppb	5.14	1000.	
56 Fe	16.99	3.398	ppb	23.08	#VALUE!	
57 Fe	-24.97	-4.994	ppb	44.47	100000.	
59 Co	-0.0137	-0.0027	ppb	76.45	1000.	
60 Ni	0.0811	0.0162	ppb	67.18	1000.	
63 Cu	0.6235	0.1247	ppb	15.05	#VALUE!	
65 Cu	0.5175	0.1035	ppb	13.36	1000.	
66 Zn	3.3035	0.6607	ppb	2.81	1000.	
68 Zn	1.6395	0.3279	ppb	40.56	#VALUE!	
75 As	0.0767	0.0153	ppb	2039.80	1000.	
82 Se	-0.1349	-0.027	ppb	209.05	1000.	
88 Sr	0.048	0.0096	ppb	26.60	1000.	
89 Y	----	-----	---		#VALUE!	
98 Mo	0.4814	0.0963	ppb	7.86	1000.	
107 Ag	-0.0003	-0.0001	ppb	4888.80	500.	
109 Ag	-0.0004	-0.0001	ppb	1616.30	#VALUE!	
111 Cd	0.2427	0.0485	ppb	76.25	#VALUE!	
114 Cd	0.0067	0.0013	ppb	250.90	1000.	
115 In	----	-----	---		#VALUE!	
118 Sn	0.7995	0.1599	ppb	21.34	1000.	
120 Sn	0.8145	0.1629	ppb	26.83	#VALUE!	
121 Sb	0.0546	0.0109	ppb	2.44	#VALUE!	
123 Sb	0.0561	0.0112	ppb	14.30	1000.	
135 Ba	1.604	0.3208	ppb	17.64	1000.	
137 Ba	1.712	0.3424	ppb	13.93	#VALUE!	
182 W	0.1948	0.039	ppb ---		#VALUE!	
203 Tl	0.0086	0.0017	ppb	158.64	1000.	
205 Tl	0.0086	0.0017	ppb	97.16	#VALUE!	
208 Pb	0.0617	0.0123	ppb	100.57	1000.	
232 Th	0.0648	0.013	ppb	3.81	1000.	
238 U	-0.0011	-0.0002	ppb	210.10	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3394509.00	2.10	3225547.00	105.2	69.5 - 130	
45 Sc	2801059.30	0.45	2797225.50	100.1	69.5 - 130	
72 Ge	589987.69	0.76	598801.94	98.5	69.5 - 130	
159 Tb	5458989.50	1.25	5240202.50	104.2	69.5 - 130	
209 Bi	3232048.50	1.60	3108879.00	104.0	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

1 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Fail
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\030SMPL.D\030SMPL.D#
 Date Acquired: Jul 1 2014 02:27 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: LCSWHF26IMW1
 Misc Info: DILUTION 1.6/8
 Vial Number: 2105
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 5.00
 Autodil Factor: Undiluted
Final Dil Factor: 5.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	45.465	9.093	ppb	0.57	100.	
11 B	406.7	81.34	ppb	2.22	1000.	
23 Na	7,785.	1,557.	ppb	0.92	200000.	
25 Mg	5,220.	1,044.	ppb	1.71	200000.	
27 Al	2,155.5	431.1	ppb	0.69	200000.	
28 Si	3,445.5	689.1	ppb	0.93	#VALUE!	
29 Si	2,944.5	588.9	ppb	7.13	10000.	
39 K	10,095.	2,019.	ppb	1.78	200000.	
43 Ca	2,938.5	587.7	ppb	3.81	#VALUE!	
44 Ca	2,264.5	452.9	ppb	1.26	200000.	
51 V	511.5	102.3	ppb	1.36	1000.	
52 Cr	201.9	40.38	ppb	0.93	1000.	
53 Cr	252.5	50.5	ppb	0.71	#VALUE!	
55 Mn	523.	104.6	ppb	1.02	1000.	
56 Fe	1,074.5	214.9	ppb	1.20	#VALUE!	
57 Fe	1,000.5	200.1	ppb	2.44	100000.	
59 Co	525.5	105.1	ppb	0.89	1000.	
60 Ni	520.	104.	ppb	0.82	1000.	
63 Cu	254.65	50.93	ppb	0.99	#VALUE!	
65 Cu	255.2	51.04	ppb	0.92	1000.	
66 Zn	510.	102.	ppb	1.42	1000.	
68 Zn	549.	109.8	ppb	0.72	#VALUE!	
75 As	102.3	20.46	ppb	0.82	1000.	
82 Se	99.85	19.97	ppb	1.44	1000.	
88 Sr	476.6	95.32	ppb	0.56	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	280.45	56.09	ppb	0.82	1000.	
107 Ag	51.85	10.37	ppb	1.71	500.	
109 Ag	52.05	10.41	ppb	0.70	#VALUE!	
111 Cd	260.05	52.01	ppb	0.24	#VALUE!	
114 Cd	262.35	52.47	ppb	0.62	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	454.65	90.93	ppb	1.11	1000.	
120 Sn	455.5	91.1	ppb	1.38	#VALUE!	
121 Sb	99.65	19.93	ppb	1.34	#VALUE!	
123 Sb	100.1	20.02	ppb	1.59	1000.	
135 Ba	1,987.	397.4	ppb	1.43	1000.	
137 Ba	1,986.	397.2	ppb	1.59	#VALUE!	
182 W	100.15	20.03	ppb ---		#VALUE!	
203 Tl	101.75	20.35	ppb	1.81	1000.	
205 Tl	101.1	20.22	ppb	1.61	#VALUE!	
208 Pb	103.15	20.63	ppb	1.38	1000.	
232 Th	0.1752	0.035	ppb	4.12	1000.	
238 U	94.4	18.88	ppb	2.29	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3479305.30	1.10	3225547.00	107.9	69.5 - 130	
45 Sc	2804218.50	0.63	2797225.50	100.2	69.5 - 130	
72 Ge	584817.63	0.46	598801.94	97.7	69.5 - 130	
159 Tb	5444864.00	1.21	5240202.50	103.9	69.5 - 130	
209 Bi	3219735.00	1.70	3108879.00	103.6	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\031SMPL.D\031SMPL.D#
 Date Acquired: Jul 1 2014 02:30 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: SH4523-022
 Misc Info: DILUTION 1.6/8
 Vial Number: 2106
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 5.00
 Autodil Factor: Undiluted
Final Dil Factor: 5.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	0.0106	0.0021	ppb	36.09	100.	
11 B	9.58	1.916	ppb	9.69	1000.	
23 Na	8,110.	1,622.	ppb	2.09	200000.	
25 Mg	1,309.5	261.9	ppb	2.25	200000.	
27 Al	6.05	1.21	ppb	6.39	200000.	
28 Si	3,307.	661.4	ppb	5.41	#VALUE!	
29 Si	2,601.	520.2	ppb	20.13	10000.	
39 K	828.	165.6	ppb	4.81	200000.	
43 Ca	8,095.	1,619.	ppb	1.68	#VALUE!	
44 Ca	7,780.	1,556.	ppb	1.84	200000.	
51 V	0.6795	0.1359	ppb	46.83	1000.	
52 Cr	0.9585	0.1917	ppb	10.18	1000.	
53 Cr	52.05	10.41	ppb	5.59	#VALUE!	
55 Mn	0.3781	0.0756	ppb	0.79	1000.	
56 Fe	-1.741	-0.3482	ppb	405.80	#VALUE!	
57 Fe	5.695	1.139	ppb	75.80	100000.	
59 Co	0.0391	0.0078	ppb	48.32	1000.	
60 Ni	0.251	0.0502	ppb	1.42	1000.	
63 Cu	0.724	0.1448	ppb	3.46	#VALUE!	
65 Cu	0.747	0.1494	ppb	23.07	1000.	
66 Zn	4.8125	0.9625	ppb	9.84	1000.	
68 Zn	3.2	0.64	ppb	16.61	#VALUE!	
75 As	-0.702	-0.1404	ppb	110.68	1000.	
82 Se	0.2723	0.0545	ppb	181.27	1000.	
88 Sr	32.005	6.401	ppb	1.01	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	0.574	0.1148	ppb	9.11	1000.	
107 Ag	0.0154	0.0031	ppb	34.07	500.	
109 Ag	0.0073	0.0015	ppb	187.20	#VALUE!	
111 Cd	-0.0634	-0.0127	ppb	190.06	#VALUE!	
114 Cd	0.0584	0.0117	ppb	44.50	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	0.746	0.1492	ppb	12.08	1000.	
120 Sn	0.752	0.1504	ppb	10.03	#VALUE!	
121 Sb	0.0959	0.0192	ppb	12.34	#VALUE!	
123 Sb	0.103	0.0206	ppb	26.77	1000.	
135 Ba	1.523	0.3046	ppb	9.34	1000.	
137 Ba	1.5685	0.3137	ppb	9.81	#VALUE!	
182 W	0.3078	0.0616	ppb ---		#VALUE!	
203 Tl	0.0398	0.008	ppb	19.59	1000.	
205 Tl	0.0253	0.0051	ppb	50.99	#VALUE!	
208 Pb	0.0332	0.0066	ppb	25.78	1000.	
232 Th	0.0317	0.0063	ppb	29.64	1000.	
238 U	0.0407	0.0081	ppb	34.68	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3445725.80	1.43	3225547.00	106.8	69.5 - 130	
45 Sc	2815507.80	1.53	2797225.50	100.7	69.5 - 130	
72 Ge	596713.19	0.83	598801.94	99.7	69.5 - 130	
159 Tb	5512834.50	0.98	5240202.50	105.2	69.5 - 130	
209 Bi	3258035.30	0.84	3108879.00	104.8	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\032SMPL.D\032SMPL.D#
 Date Acquired: Jul 1 2014 02:34 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: PBSHF28IMS1
 Misc Info: DILUTION 1.6/8
 Vial Number: 2107
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 5.00
 Autodil Factor: Undiluted
Final Dil Factor: 5.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	0.0021	0.0004	ppb	91.69	100.	
11 B	1.799	0.3598	ppb	40.69	1000.	
23 Na	42.31	8.462	ppb	5.38	200000.	
25 Mg	30.155	6.031	ppb	4.79	200000.	
27 Al	9.055	1.811	ppb	2.81	200000.	
28 Si	-714.	-142.8	ppb	20.64	#VALUE!	
29 Si	-1,311.	-262.2	ppb	35.66	10000.	LOW
39 K	-6.355	-1.271	ppb	127.85	200000.	
43 Ca	86.2	17.24	ppb	15.13	#VALUE!	
44 Ca	83.6	16.72	ppb	9.71	200000.	
51 V	0.3899	0.078	ppb	127.90	1000.	
52 Cr	1.587	0.3174	ppb	9.11	1000.	
53 Cr	70.1	14.02	ppb	1.34	#VALUE!	
55 Mn	0.82	0.164	ppb	1.49	1000.	
56 Fe	24.3	4.86	ppb	32.84	#VALUE!	
57 Fe	-22.085	-4.417	ppb	39.51	100000.	
59 Co	0.0244	0.0049	ppb	100.78	1000.	
60 Ni	0.5375	0.1075	ppb	12.39	1000.	
63 Cu	1.147	0.2294	ppb	6.38	#VALUE!	
65 Cu	1.341	0.2682	ppb	11.96	1000.	
66 Zn	2.621	0.5242	ppb	9.82	1000.	
68 Zn	1.093	0.2186	ppb	92.41	#VALUE!	
75 As	1.142	0.2284	ppb	46.89	1000.	
82 Se	-0.2372	-0.0474	ppb	62.90	1000.	
88 Sr	0.2636	0.0527	ppb	22.12	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	0.3894	0.0779	ppb	17.11	1000.	
107 Ag	0.0091	0.0018	ppb	53.78	500.	
109 Ag	0.0014	0.0003	ppb	974.58	#VALUE!	
111 Cd	0.0974	0.0195	ppb	156.19	#VALUE!	
114 Cd	0.0104	0.0021	ppb	540.46	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	21.66	4.332	ppb	2.50	1000.	
120 Sn	21.845	4.369	ppb	1.53	#VALUE!	
121 Sb	0.0446	0.0089	ppb	38.26	#VALUE!	
123 Sb	0.0808	0.0162	ppb	30.81	1000.	
135 Ba	1.726	0.3452	ppb	5.52	1000.	
137 Ba	1.731	0.3462	ppb	7.62	#VALUE!	
182 W	0.137	0.0274	ppb ---		#VALUE!	
203 Tl	0.0458	0.0092	ppb	55.80	1000.	
205 Tl	0.0317	0.0063	ppb	43.56	#VALUE!	
208 Pb	0.2787	0.0557	ppb	11.41	1000.	
232 Th	0.0534	0.0107	ppb	15.37	1000.	
238 U	0.0023	0.0005	ppb	148.04	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3512471.30	0.54	3225547.00	108.9	69.5 - 130	
45 Sc	2806563.00	0.91	2797225.50	100.3	69.5 - 130	
72 Ge	589553.31	0.52	598801.94	98.5	69.5 - 130	
159 Tb	5504176.50	0.35	5240202.50	105.0	69.5 - 130	
209 Bi	3208566.50	0.51	3108879.00	103.2	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

1 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Fail
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\033SMPL.D\033SMPL.D#
 Date Acquired: Jul 1 2014 02:37 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: LCSOHF28IMS1
 Misc Info: DILUTION 1.6/8
 Vial Number: 2108
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 5.00
 Autodil Factor: Undiluted
Final Dil Factor: 5.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	44.79	8.958	ppb	5.09	100.	
11 B	438.25	87.65	ppb	2.34	1000.	
23 Na	7,710.	1,542.	ppb	0.50	200000.	
25 Mg	5,165.	1,033.	ppb	1.59	200000.	
27 Al	2,105.	421.	ppb	0.73	200000.	
28 Si	4,049.5	809.9	ppb	4.03	#VALUE!	
29 Si	3,610.5	722.1	ppb	9.54	10000.	
39 K	10,070.	2,014.	ppb	1.06	200000.	
43 Ca	2,903.	580.6	ppb	3.06	#VALUE!	
44 Ca	2,228.5	445.7	ppb	0.66	200000.	
51 V	500.5	100.1	ppb	0.57	1000.	
52 Cr	200.3	40.06	ppb	0.48	1000.	
53 Cr	276.	55.2	ppb	1.13	#VALUE!	
55 Mn	510.5	102.1	ppb	1.10	1000.	
56 Fe	1,072.5	214.5	ppb	1.41	#VALUE!	
57 Fe	993.5	198.7	ppb	0.85	100000.	
59 Co	514.	102.8	ppb	1.02	1000.	
60 Ni	511.5	102.3	ppb	0.62	1000.	
63 Cu	252.	50.4	ppb	0.58	#VALUE!	
65 Cu	253.25	50.65	ppb	0.82	1000.	
66 Zn	497.8	99.56	ppb	0.74	1000.	
68 Zn	538.5	107.7	ppb	0.69	#VALUE!	
75 As	100.4	20.08	ppb	0.84	1000.	
82 Se	98.25	19.65	ppb	0.71	1000.	
88 Sr	502.5	100.5	ppb	0.72	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	295.7	59.14	ppb	0.39	1000.	
107 Ag	51.	10.2	ppb	0.55	500.	
109 Ag	51.4	10.28	ppb	0.19	#VALUE!	
111 Cd	255.85	51.17	ppb	0.30	#VALUE!	
114 Cd	257.9	51.58	ppb	0.40	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	501.	100.2	ppb	0.51	1000.	
120 Sn	503.5	100.7	ppb	1.03	#VALUE!	
121 Sb	99.1	19.82	ppb	1.40	#VALUE!	
123 Sb	98.45	19.69	ppb	0.77	1000.	
135 Ba	1,945.5	389.1	ppb	0.93	1000.	
137 Ba	1,950.	390.	ppb	0.96	#VALUE!	
182 W	105.55	21.11	ppb ---		#VALUE!	
203 Tl	99.9	19.98	ppb	2.16	1000.	
205 Tl	100.55	20.11	ppb	0.71	#VALUE!	
208 Pb	102.	20.4	ppb	0.68	1000.	
232 Th	0.1919	0.0384	ppb	5.94	1000.	
238 U	98.8	19.76	ppb	0.55	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3529022.00	2.65	3225547.00	109.4	69.5 - 130	
45 Sc	2812347.80	0.79	2797225.50	100.5	69.5 - 130	
72 Ge	583811.88	0.47	598801.94	97.5	69.5 - 130	
159 Tb	5428803.50	0.51	5240202.50	103.6	69.5 - 130	
209 Bi	3192948.80	0.66	3108879.00	102.7	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\034SMPL.D\034SMPL.D#
 Date Acquired: Jul 1 2014 02:40 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: SH4615-001
 Misc Info: DILUTION 1.6/8
 Vial Number: 2109
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 5.00
 Autodil Factor: Undiluted
Final Dil Factor: 5.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	3.992	0.7984	ppb	2.21	100.	
11 B	32.62	6.524	ppb	5.81	1000.	
23 Na	584.	116.8	ppb	0.65	200000.	
25 Mg	26,710.	5,342.	ppb	0.50	200000.	
27 Al	168,650.	33,730.	ppb	0.97	200000.	
28 Si	1,932.5	386.5	ppb	4.61	#VALUE!	
29 Si	936.	187.2	ppb	63.73	10000.	
39 K	8,405.	1,681.	ppb	1.22	200000.	
43 Ca	9,410.	1,882.	ppb	3.06	#VALUE!	
44 Ca	8,930.	1,786.	ppb	1.09	200000.	
51 V	267.15	53.43	ppb	0.75	1000.	
52 Cr	210.	42.	ppb	0.27	1000.	
53 Cr	256.7	51.34	ppb	2.30	#VALUE!	
55 Mn	2,604.	520.8	ppb	0.22	1000.	
56 Fe	170,300.	34,060.	ppb	0.51	#VALUE!	
57 Fe	161,850.	32,370.	ppb	0.84	100000.	
59 Co	56.05	11.21	ppb	1.25	1000.	
60 Ni	145.8	29.16	ppb	1.03	1000.	
63 Cu	96.6	19.32	ppb	0.72	#VALUE!	
65 Cu	99.2	19.84	ppb	1.77	1000.	
66 Zn	416.55	83.31	ppb	0.55	1000.	
68 Zn	407.05	81.41	ppb	0.80	#VALUE!	
75 As	192.45	38.49	ppb	0.73	1000.	
82 Se	9.685	1.937	ppb	16.62	1000.	
88 Sr	38.055	7.611	ppb	2.09	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	7.455	1.491	ppb	3.76	1000.	
107 Ag	3.809	0.7618	ppb	3.65	500.	
109 Ag	3.889	0.7778	ppb	2.03	#VALUE!	
111 Cd	1.471	0.2942	ppb	8.90	#VALUE!	
114 Cd	1.205	0.241	ppb	2.44	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	27.015	5.403	ppb	1.61	1000.	
120 Sn	26.82	5.364	ppb	2.30	#VALUE!	
121 Sb	0.515	0.103	ppb	1.85	#VALUE!	
123 Sb	0.564	0.1128	ppb	16.95	1000.	
135 Ba	357.9	71.58	ppb	1.09	1000.	
137 Ba	356.1	71.22	ppb	1.06	#VALUE!	
182 W	3.2675	0.6535	ppb ---		#VALUE!	
203 Tl	1.572	0.3144	ppb	8.92	1000.	
205 Tl	1.675	0.335	ppb	3.90	#VALUE!	
208 Pb	161.45	32.29	ppb	0.54	1000.	
232 Th	43.16	8.632	ppb	0.24	1000.	
238 U	12.445	2.489	ppb	0.85	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3533503.80	0.39	3225547.00	109.5	69.5 - 130	
45 Sc	2860115.30	0.86	2797225.50	102.2	69.5 - 130	
72 Ge	595803.50	0.25	598801.94	99.5	69.5 - 130	
159 Tb	5478042.00	0.48	5240202.50	104.5	69.5 - 130	
209 Bi	3196787.80	0.31	3108879.00	102.8	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\035SMPL.D\035SMPL.D#
 Date Acquired: Jul 1 2014 02:44 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: SH4642-001
 Misc Info: DILUTION 1.6/8
 Vial Number: 2110
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 5.00
 Autodil Factor: Undiluted
Final Dil Factor: 5.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	1.301	0.2602	ppb	3.37	100.	
11 B	288.95	57.79	ppb	0.67	1000.	
23 Na	7,230.	1,446.	ppb	1.70	200000.	
25 Mg	30,010.	6,002.	ppb	1.96	200000.	
27 Al	49,070.	9,814.	ppb	1.95	200000.	
28 Si	-125.	-25.	ppb	209.52	#VALUE!	
29 Si	-357.7	-71.54	ppb	403.83	10000.	
39 K	66,250.	13,250.	ppb	0.56	200000.	
43 Ca	255,150.	51,030.	ppb	1.40	#VALUE!	
44 Ca	245,550.	49,110.	ppb	0.59	200000.	
51 V	83.95	16.79	ppb	1.19	1000.	
52 Cr	95.3	19.06	ppb	0.60	1000.	
53 Cr	99.45	19.89	ppb	0.71	#VALUE!	
55 Mn	15,520.	3,104.	ppb	1.61	1000.	>LDR
56 Fe	39,300.	7,860.	ppb	0.84	#VALUE!	
57 Fe	39,625.	7,925.	ppb	0.69	100000.	
59 Co	20.355	4.071	ppb	0.84	1000.	
60 Ni	76.75	15.35	ppb	1.08	1000.	
63 Cu	104.95	20.99	ppb	0.89	#VALUE!	
65 Cu	105.9	21.18	ppb	0.85	1000.	
66 Zn	2,330.	466.	ppb	0.81	1000.	
68 Zn	2,338.5	467.7	ppb	1.29	#VALUE!	
75 As	11.59	2.318	ppb	6.04	1000.	
82 Se	0.6765	0.1353	ppb	121.88	1000.	
88 Sr	1,061.	212.2	ppb	0.96	1000.	
89 Y	----	-----	---		#VALUE!	
98 Mo	4.5255	0.9051	ppb	1.39	1000.	
107 Ag	0.939	0.1878	ppb	5.20	500.	
109 Ag	0.979	0.1958	ppb	3.20	#VALUE!	
111 Cd	12.57	2.514	ppb	0.66	#VALUE!	
114 Cd	12.14	2.428	ppb	0.92	1000.	
115 In	----	-----	---		#VALUE!	
118 Sn	15.185	3.037	ppb	1.67	1000.	
120 Sn	15.57	3.114	ppb	3.08	#VALUE!	
121 Sb	0.5645	0.1129	ppb	10.18	#VALUE!	
123 Sb	0.612	0.1224	ppb	7.24	1000.	
135 Ba	3,338.	667.6	ppb	0.84	1000.	
137 Ba	3,407.	681.4	ppb	0.64	#VALUE!	
182 W	2.1585	0.4317	ppb ---		#VALUE!	
203 Tl	2.024	0.4048	ppb	6.55	1000.	
205 Tl	2.0325	0.4065	ppb	0.78	#VALUE!	
208 Pb	37.305	7.461	ppb	1.14	1000.	
232 Th	4.4785	0.8957	ppb	0.92	1000.	
238 U	1.0535	0.2107	ppb	1.68	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3352462.80	0.94	3225547.00	103.9	69.5 - 130	
45 Sc	2846492.80	1.61	2797225.50	101.8	69.5 - 130	
72 Ge	589302.88	1.03	598801.94	98.4	69.5 - 130	
159 Tb	5439066.50	0.25	5240202.50	103.8	69.5 - 130	
209 Bi	3184098.30	0.87	3108879.00	102.4	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

1 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Fail
 ISTD: Pass

CCV QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\036_CCV.D\036_CCV.D#
 Date Acquired: Jul 1 2014 02:47 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: CCV
 Misc Info:
 Vial Number: 1206
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Dilution Factor: 1.00
 QC Range (%): 89.5 - 110.5

QC Elements

Element	Conc.		RSD(%)	Expected	Rec (%)	Flag
9 Be	22.93	ppb	0.63	25	91.72	
11 B	24.06	ppb	2.28	25	96.24	
23 Na	4,968.	ppb	0.66	5,000	99.36	
25 Mg	5,045.	ppb	0.49	5,000	100.9	
27 Al	505.	ppb	1.39	500	101	
28 Si	423.7	ppb	7.17	500	84.74	
29 Si	415.6	ppb	37.27	500	83.12	Fail
39 K	4,969.	ppb	0.84	5,000	99.38	
43 Ca	4,991.	ppb	1.10	5,000	99.82	
44 Ca	5,013.	ppb	0.73	5,000	100.26	
51 V	24.72	ppb	1.94	25	98.88	
52 Cr	24.79	ppb	0.37	25	99.16	
53 Cr	24.18	ppb	2.74	25	96.72	
55 Mn	24.96	ppb	0.48	25	99.84	
56 Fe	4,969.	ppb	1.17	5,000	99.38	
57 Fe	5,066.	ppb	1.67	5,000	101.32	
59 Co	24.86	ppb	0.14	25	99.44	
60 Ni	25.06	ppb	0.62	25	100.24	
63 Cu	25.05	ppb	0.59	25	100.2	
65 Cu	24.88	ppb	0.50	25	99.52	
66 Zn	25.11	ppb	1.78	25	100.44	
68 Zn	25.18	ppb	1.11	25	100.72	
75 As	24.58	ppb	0.98	25	98.32	
82 Se	25.07	ppb	0.23	25	100.28	
88 Sr	24.95	ppb	0.64	25	99.8	
89 Y	-----	---	-----	---	#VALUE!	
98 Mo	24.89	ppb	1.34	25	99.56	
107 Ag	25.45	ppb	0.58	25	101.8	
109 Ag	25.41	ppb	0.54	25	101.64	
111 Cd	25.55	ppb	0.62	25	102.2	
114 Cd	25.51	ppb	0.49	25	102.04	
115 In	-----	---	-----	---	#VALUE!	
118 Sn	24.76	ppb	0.95	25	99.04	
120 Sn	24.66	ppb	0.75	25	98.64	
121 Sb	24.57	ppb	1.12	25	98.28	
123 Sb	24.73	ppb	0.80	25	98.92	
135 Ba	24.59	ppb	1.11	25	98.36	
137 Ba	24.77	ppb	1.30	25	99.08	
182 W	25.07	ppb	1.00	25	100.28	
203 Tl	24.45	ppb	0.63	25	97.8	
205 Tl	24.36	ppb	1.14	25	97.44	
208 Pb	24.52	ppb	1.22	25	98.08	
232 Th	23.95	ppb	0.90	25	95.8	
238 U	24.2	ppb	1.26	25	96.8	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3319159.30	1.52	3225547.00	102.9	80 - 120.4	
45 Sc	2856152.00	1.29	2797225.50	102.1	80 - 120.4	
72 Ge	592468.94	0.86	598801.94	98.9	80 - 120.4	
159 Tb	5438108.00	1.40	5240202.50	103.8	80 - 120.4	
209 Bi	3240897.80	0.09	3108879.00	104.2	80 - 120.4	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

1 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Fail
 ISTD: Pass

CCB QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\037_CCB.D\037_CCB.D#
 Date Acquired: Jul 1 2014 02:50 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: CCB
 Misc Info:
 Vial Number: 1207
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: 6-CCB
 Dilution Factor: 1.00

QC Elements

Element	Conc.		RSD(%)	High Limit	Flag
9 Be	0.0015	ppb	57.71	1.00	
11 B	0.4217	ppb	54.99	1.00	
23 Na	-1.974	ppb	18.39	1.00	
25 Mg	0.1775	ppb	53.00	1.00	
27 Al	0.0062	ppb	1025.30	1.00	
28 Si	-21.77	ppb	59.12	1.00	
29 Si	-15.56	ppb	715.30	1.00	
39 K	-0.7802	ppb	126.19	1.00	
43 Ca	-4.199	ppb	21.44	1.00	
44 Ca	-2.909	ppb	100.96	1.00	
51 V	-0.0499	ppb	67.14	1.00	
52 Cr	-0.0544	ppb	25.39	1.00	
53 Cr	-1.021	ppb	6.80	1.00	
55 Mn	0.0174	ppb	17.17	1.00	
56 Fe	0.4283	ppb	189.00	1.00	
57 Fe	-4.196	ppb	8.59	1.00	
59 Co	-0.0011	ppb	399.27	1.00	
60 Ni	0.003	ppb	273.76	1.00	
63 Cu	-0.0079	ppb	153.89	1.00	
65 Cu	-0.0039	ppb	205.37	1.00	
66 Zn	-0.0513	ppb	46.36	1.00	
68 Zn	0.1211	ppb	155.66	1.00	
75 As	-0.099	ppb	165.20	1.00	
82 Se	0.0785	ppb	142.48	1.00	
88 Sr	0.0067	ppb	34.74	1.00	
89 Y	-----	---	-----	---	
98 Mo	0.0623	ppb	16.06	1.00	
107 Ag	0.0012	ppb	151.59	1.00	
109 Ag	0.0022	ppb	163.72	1.00	
111 Cd	0.0181	ppb	75.62	1.00	
114 Cd	0.0042	ppb	55.89	1.00	
115 In	-----	---	-----	---	
118 Sn	0.0558	ppb	13.80	1.00	
120 Sn	0.0533	ppb	7.35	1.00	
121 Sb	0.0131	ppb	39.43	1.00	
123 Sb	0.0192	ppb	44.73	1.00	
135 Ba	-0.0056	ppb	99.22	1.00	
137 Ba	-0.0026	ppb	40.28	1.00	
182 W	0.1039	ppb	6.63	1.00	
203 Tl	0.0059	ppb	34.24	1.00	
205 Tl	0.0041	ppb	48.69	1.00	
208 Pb	0.0001	ppb	1541.80	1.00	
232 Th	0.0445	ppb	30.43	1.00	
238 U	0.0016	ppb	72.22	1.00	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3350854.30	1.29	3225547.00	103.9	79.5 - 120	
45 Sc	2803898.00	0.32	2797225.50	100.2	79.5 - 120	
72 Ge	595603.56	0.65	598801.94	99.5	79.5 - 120	
159 Tb	5505358.50	1.00	5240202.50	105.1	79.5 - 120	
209 Bi	3297734.80	1.49	3108879.00	106.1	79.5 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\038SMPL.D\038SMPL.D#
 Date Acquired: Jul 1 2014 02:54 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: SH4400-011
 Misc Info: DILUTION 0.4/10
 Vial Number: 2111
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 25.00
 Autodil Factor: Undiluted
Final Dil Factor: 25.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	5.64	0.2256	ppb	4.92	100.	
11 B	15.6125	0.6245	ppb	15.61	1000.	
23 Na	1,473.25	58.93	ppb	1.87	200000.	
25 Mg	96,425.	3,857.	ppb	1.31	200000.	
27 Al	172,075.	6,883.	ppb	1.59	200000.	
28 Si	3,062.5	122.5	ppb	6.26	#VALUE!	
29 Si	-262.75	-10.51	ppb	992.39	10000.	
39 K	8,885.	355.4	ppb	1.87	200000.	
43 Ca	42,050.	1,682.	ppb	4.51	#VALUE!	
44 Ca	40,850.	1,634.	ppb	1.29	200000.	
51 V	429.	17.16	ppb	1.50	1000.	
52 Cr	327.	13.08	ppb	0.83	1000.	
53 Cr	356.	14.24	ppb	1.41	#VALUE!	
55 Mn	6,795.	271.8	ppb	1.18	1000.	
56 Fe	320,000.	12,800.	ppb	1.13	#VALUE!	
57 Fe	311,250.	12,450.	ppb	0.66	100000.	
59 Co	132.9	5.316	ppb	2.53	1000.	
60 Ni	304.25	12.17	ppb	0.59	1000.	
63 Cu	265.	10.6	ppb	1.17	#VALUE!	
65 Cu	270.5	10.82	ppb	1.23	1000.	
66 Zn	685.25	27.41	ppb	0.15	1000.	
68 Zn	648.	25.92	ppb	1.51	#VALUE!	
75 As	97.	3.88	ppb	6.58	1000.	
82 Se	2.91	0.1164	ppb	183.76	1000.	
88 Sr	103.65	4.146	ppb	2.56	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	8.3725	0.3349	ppb	3.22	1000.	
107 Ag	0.449	0.018	ppb	13.30	500.	
109 Ag	0.383	0.0153	ppb	21.20	#VALUE!	
111 Cd	0.3888	0.0156	ppb	255.82	#VALUE!	
114 Cd	0.9643	0.0386	ppb	10.44	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	31.55	1.262	ppb	1.78	1000.	
120 Sn	31.325	1.253	ppb	2.20	#VALUE!	
121 Sb	0.7363	0.0295	ppb	18.64	#VALUE!	
123 Sb	0.9595	0.0384	ppb	7.79	1000.	
135 Ba	248.675	9.947	ppb	0.19	1000.	
137 Ba	244.825	9.793	ppb	1.58	#VALUE!	
182 W	2.2423	0.0897	ppb ---		#VALUE!	
203 Tl	0.7285	0.0291	ppb	19.86	1000.	
205 Tl	0.7903	0.0316	ppb	9.10	#VALUE!	
208 Pb	121.2	4.848	ppb	1.19	1000.	
232 Th	52.3	2.092	ppb	2.04	1000.	
238 U	7.755	0.3102	ppb	1.22	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3483075.30	1.05	3225547.00	108.0	69.5 - 130	
45 Sc	2886961.00	1.25	2797225.50	103.2	69.5 - 130	
72 Ge	610064.00	0.44	598801.94	101.9	69.5 - 130	
159 Tb	5611762.00	0.79	5240202.50	107.1	69.5 - 130	
209 Bi	3249593.30	0.56	3108879.00	104.5	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\039SMPL.D\039SMPL.D#
 Date Acquired: Jul 1 2014 02:57 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: SH4400-013
 Misc Info: DILUTION 0.4/10
 Vial Number: 2112
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 25.00
 Autodil Factor: Undiluted
Final Dil Factor: 25.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	10.645	0.4258	ppb	1.44	100.	
11 B	62.075	2.483	ppb	5.01	1000.	
23 Na	3,652.5	146.1	ppb	3.37	200000.	
25 Mg	167,475.	6,699.	ppb	1.79	200000.	
27 Al	344,000.	13,760.	ppb	1.49	200000.	
28 Si	3,240.	129.6	ppb	16.30	#VALUE!	
29 Si	127.875	5.115	ppb	2226.80	10000.	
39 K	35,825.	1,433.	ppb	1.35	200000.	
43 Ca	74,725.	2,989.	ppb	1.32	#VALUE!	
44 Ca	72,825.	2,913.	ppb	0.67	200000.	
51 V	765.5	30.62	ppb	1.88	1000.	
52 Cr	602.	24.08	ppb	0.86	1000.	
53 Cr	643.	25.72	ppb	1.07	#VALUE!	
55 Mn	12,720.	508.8	ppb	0.98	1000.	
56 Fe	631,000.	25,240.	ppb	1.20	#VALUE!	
57 Fe	600,500.	24,020.	ppb	1.78	100000.	
59 Co	309.5	12.38	ppb	0.87	1000.	
60 Ni	692.5	27.7	ppb	0.75	1000.	
63 Cu	542.25	21.69	ppb	0.82	#VALUE!	
65 Cu	544.75	21.79	ppb	0.38	1000.	
66 Zn	1,456.25	58.25	ppb	1.47	1000.	
68 Zn	1,394.	55.76	ppb	0.53	#VALUE!	
75 As	320.25	12.81	ppb	1.37	1000.	
82 Se	6.0025	0.2401	ppb	13.13	1000.	
88 Sr	294.5	11.78	ppb	1.61	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	6.2975	0.2519	ppb	8.06	1000.	
107 Ag	1.066	0.0426	ppb	16.86	500.	
109 Ag	0.7183	0.0287	ppb	8.54	#VALUE!	
111 Cd	3.8775	0.1551	ppb	44.95	#VALUE!	
114 Cd	2.075	0.083	ppb	20.39	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	36.275	1.451	ppb	4.02	1000.	
120 Sn	36.9	1.476	ppb	0.85	#VALUE!	
121 Sb	2.7125	0.1085	ppb	0.55	#VALUE!	
123 Sb	2.8525	0.1141	ppb	7.16	1000.	
135 Ba	882.25	35.29	ppb	1.87	1000.	
137 Ba	875.75	35.03	ppb	1.53	#VALUE!	
182 W	3.965	0.1586	ppb ---		#VALUE!	
203 Tl	2.179	0.0872	ppb	3.27	1000.	
205 Tl	2.239	0.0896	ppb	9.06	#VALUE!	
208 Pb	299.5	11.98	ppb	0.48	1000.	
232 Th	131.55	5.262	ppb	1.06	1000.	
238 U	19.2775	0.7711	ppb	0.81	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3433415.50	1.06	3225547.00	106.4	69.5 - 130	
45 Sc	2927624.30	1.33	2797225.50	104.7	69.5 - 130	
72 Ge	608486.94	1.29	598801.94	101.6	69.5 - 130	
159 Tb	5608019.00	0.34	5240202.50	107.0	69.5 - 130	
209 Bi	3226565.30	0.39	3108879.00	103.8	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\040SMPL.D\040SMPL.D#
 Date Acquired: Jul 1 2014 03:00 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: SH4400-014
 Misc Info: DILUTION 0.4/10
 Vial Number: 2201
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 25.00
 Autodil Factor: Undiluted
Final Dil Factor: 25.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6.325	0.253	ppb	3.56	100.	
11 B	12.9975	0.5199	ppb	24.41	1000.	
23 Na	1,434.	57.36	ppb	0.70	200000.	
25 Mg	157,875.	6,315.	ppb	0.79	200000.	
27 Al	250,500.	10,020.	ppb	0.54	200000.	
28 Si	1,938.5	77.54	ppb	35.80	#VALUE!	
29 Si	-1,178.25	-47.13	ppb	108.49	10000.	
39 K	9,475.	379.	ppb	0.63	200000.	
43 Ca	49,075.	1,963.	ppb	4.44	#VALUE!	
44 Ca	47,525.	1,901.	ppb	0.57	200000.	
51 V	605.25	24.21	ppb	1.69	1000.	
52 Cr	676.25	27.05	ppb	1.79	1000.	
53 Cr	723.	28.92	ppb	1.22	#VALUE!	
55 Mn	8,937.5	357.5	ppb	0.83	1000.	
56 Fe	448,000.	17,920.	ppb	1.65	#VALUE!	
57 Fe	432,250.	17,290.	ppb	1.78	100000.	
59 Co	224.375	8.975	ppb	1.09	1000.	
60 Ni	577.25	23.09	ppb	1.74	1000.	
63 Cu	386.	15.44	ppb	1.07	#VALUE!	
65 Cu	384.75	15.39	ppb	1.51	1000.	
66 Zn	887.75	35.51	ppb	1.20	1000.	
68 Zn	845.5	33.82	ppb	0.81	#VALUE!	
75 As	99.95	3.998	ppb	4.11	1000.	
82 Se	0.337	0.0135	ppb	1127.60	1000.	
88 Sr	110.525	4.421	ppb	1.49	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	11.7575	0.4703	ppb	3.33	1000.	
107 Ag	0.429	0.0172	ppb	10.31	500.	
109 Ag	0.4313	0.0173	ppb	21.91	#VALUE!	
111 Cd	1.893	0.0757	ppb	34.17	#VALUE!	
114 Cd	1.4895	0.0596	ppb	26.44	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	31.875	1.275	ppb	0.81	1000.	
120 Sn	32.3	1.292	ppb	1.79	#VALUE!	
121 Sb	0.8493	0.034	ppb	19.18	#VALUE!	
123 Sb	0.8855	0.0354	ppb	21.42	1000.	
135 Ba	263.75	10.55	ppb	3.30	1000.	
137 Ba	265.25	10.61	ppb	0.44	#VALUE!	
182 W	1.9333	0.0773	ppb ---		#VALUE!	
203 Tl	0.9798	0.0392	ppb	13.64	1000.	
205 Tl	0.912	0.0365	ppb	17.47	#VALUE!	
208 Pb	177.5	7.1	ppb	1.34	1000.	
232 Th	62.85	2.514	ppb	1.58	1000.	
238 U	7.93	0.3172	ppb	1.16	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3440116.00	2.67	3225547.00	106.7	69.5 - 130	
45 Sc	2880654.00	0.64	2797225.50	103.0	69.5 - 130	
72 Ge	605202.94	1.07	598801.94	101.1	69.5 - 130	
159 Tb	5540608.50	2.03	5240202.50	105.7	69.5 - 130	
209 Bi	3208212.00	1.21	3108879.00	103.2	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\041SMPL.D\041SMPL.D#
 Date Acquired: Jul 1 2014 03:04 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: SH4523-017
 Misc Info: DILUTION 0.4/10
 Vial Number: 2202
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 25.00
 Autodil Factor: Undiluted
Final Dil Factor: 25.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	5.26	0.2104	ppb	4.64	100.	
11 B	20.5475	0.8219	ppb	9.81	1000.	
23 Na	2,414.75	96.59	ppb	1.62	200000.	
25 Mg	92,325.	3,693.	ppb	1.24	200000.	
27 Al	172,075.	6,883.	ppb	1.15	200000.	
28 Si	2,912.5	116.5	ppb	34.11	#VALUE!	
29 Si	241.	9.64	ppb	561.10	10000.	
39 K	14,567.5	582.7	ppb	1.71	200000.	
43 Ca	46,875.	1,875.	ppb	2.53	#VALUE!	
44 Ca	45,950.	1,838.	ppb	1.48	200000.	
51 V	442.	17.68	ppb	1.01	1000.	
52 Cr	388.5	15.54	ppb	1.29	1000.	
53 Cr	437.5	17.5	ppb	2.63	#VALUE!	
55 Mn	6,147.5	245.9	ppb	0.97	1000.	
56 Fe	309,250.	12,370.	ppb	2.13	#VALUE!	
57 Fe	299,000.	11,960.	ppb	1.34	100000.	
59 Co	142.275	5.691	ppb	2.81	1000.	
60 Ni	328.25	13.13	ppb	1.26	1000.	
63 Cu	240.925	9.637	ppb	1.91	#VALUE!	
65 Cu	241.825	9.673	ppb	1.10	1000.	
66 Zn	640.5	25.62	ppb	1.33	1000.	
68 Zn	629.75	25.19	ppb	1.57	#VALUE!	
75 As	118.7	4.748	ppb	1.38	1000.	
82 Se	2.3618	0.0945	ppb	107.12	1000.	
88 Sr	161.625	6.465	ppb	1.61	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	5.52	0.2208	ppb	6.12	1000.	
107 Ag	0.6148	0.0246	ppb	18.01	500.	
109 Ag	0.4988	0.02	ppb	26.15	#VALUE!	
111 Cd	2.0985	0.0839	ppb	74.20	#VALUE!	
114 Cd	1.046	0.0418	ppb	22.43	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	34.325	1.373	ppb	1.90	1000.	
120 Sn	34.6	1.384	ppb	1.71	#VALUE!	
121 Sb	1.3965	0.0559	ppb	16.61	#VALUE!	
123 Sb	1.2828	0.0513	ppb	2.81	1000.	
135 Ba	293.25	11.73	ppb	0.99	1000.	
137 Ba	300.25	12.01	ppb	1.23	#VALUE!	
182 W	2.0748	0.083	ppb ---		#VALUE!	
203 Tl	0.8883	0.0355	ppb	22.20	1000.	
205 Tl	0.879	0.0352	ppb	12.19	#VALUE!	
208 Pb	119.475	4.779	ppb	2.69	1000.	
232 Th	62.475	2.499	ppb	1.74	1000.	
238 U	9.7025	0.3881	ppb	3.50	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3411799.80	0.78	3225547.00	105.8	69.5 - 130	
45 Sc	2860667.50	0.91	2797225.50	102.3	69.5 - 130	
72 Ge	606900.31	0.11	598801.94	101.4	69.5 - 130	
159 Tb	5556860.50	0.59	5240202.50	106.0	69.5 - 130	
209 Bi	3247868.50	1.35	3108879.00	104.5	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\042SMPL.D\042SMPL.D#
 Date Acquired: Jul 1 2014 03:07 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: SH4523-019
 Misc Info: DILUTION 0.4/10
 Vial Number: 2203
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 25.00
 Autodil Factor: Undiluted
Final Dil Factor: 25.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6.91	0.2764	ppb	6.91	100.	
11 B	18.565	0.7426	ppb	6.06	1000.	
23 Na	1,811.5	72.46	ppb	0.96	200000.	
25 Mg	117,550.	4,702.	ppb	0.47	200000.	
27 Al	236,875.	9,475.	ppb	0.88	200000.	
28 Si	2,577.5	103.1	ppb	20.70	#VALUE!	
29 Si	2,610.	104.4	ppb	12.72	10000.	
39 K	14,547.5	581.9	ppb	1.91	200000.	
43 Ca	41,225.	1,649.	ppb	1.40	#VALUE!	
44 Ca	40,125.	1,605.	ppb	1.14	200000.	
51 V	535.75	21.43	ppb	0.58	1000.	
52 Cr	410.75	16.43	ppb	1.27	1000.	
53 Cr	453.75	18.15	ppb	1.32	#VALUE!	
55 Mn	7,532.5	301.3	ppb	0.51	1000.	
56 Fe	401,750.	16,070.	ppb	0.40	#VALUE!	
57 Fe	389,750.	15,590.	ppb	0.98	100000.	
59 Co	183.75	7.35	ppb	2.28	1000.	
60 Ni	423.5	16.94	ppb	1.40	1000.	
63 Cu	361.75	14.47	ppb	0.62	#VALUE!	
65 Cu	361.5	14.46	ppb	0.63	1000.	
66 Zn	841.25	33.65	ppb	0.46	1000.	
68 Zn	815.75	32.63	ppb	2.20	#VALUE!	
75 As	166.2	6.648	ppb	2.82	1000.	
82 Se	7.375	0.295	ppb	50.92	1000.	
88 Sr	163.225	6.529	ppb	0.30	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	6.94	0.2776	ppb	5.85	1000.	
107 Ag	0.58	0.0232	ppb	26.60	500.	
109 Ag	0.353	0.0141	ppb	19.58	#VALUE!	
111 Cd	1.6348	0.0654	ppb	52.44	#VALUE!	
114 Cd	1.2308	0.0492	ppb	20.31	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	33.225	1.329	ppb	5.86	1000.	
120 Sn	31.95	1.278	ppb	1.29	#VALUE!	
121 Sb	1.2773	0.0511	ppb	5.93	#VALUE!	
123 Sb	1.2228	0.0489	ppb	9.25	1000.	
135 Ba	378.5	15.14	ppb	0.82	1000.	
137 Ba	380.5	15.22	ppb	0.90	#VALUE!	
182 W	2.5475	0.1019	ppb ---		#VALUE!	
203 Tl	1.1855	0.0474	ppb	6.44	1000.	
205 Tl	1.0388	0.0416	ppb	9.35	#VALUE!	
208 Pb	162.75	6.51	ppb	0.71	1000.	
232 Th	75.575	3.023	ppb	1.43	1000.	
238 U	9.205	0.3682	ppb	0.95	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3465856.50	0.77	3225547.00	107.5	69.5 - 130	
45 Sc	2873456.50	1.32	2797225.50	102.7	69.5 - 130	
72 Ge	603541.81	1.34	598801.94	100.8	69.5 - 130	
159 Tb	5559544.50	1.55	5240202.50	106.1	69.5 - 130	
209 Bi	3201317.80	1.27	3108879.00	103.0	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\043SMPL.D\043SMPL.D#
 Date Acquired: Jul 1 2014 03:10 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: SH4523-019L
 Misc Info: DILUTION 0.08/10
 Vial Number: 2204
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 125.00
 Autodil Factor: Undiluted
Final Dil Factor: 125.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	7.0425	0.0563	ppb	8.46	100.	
11 B	3.7263	0.0298	ppb	203.05	1000.	
23 Na	1,597.5	12.78	ppb	4.41	200000.	
25 Mg	120,300.	962.4	ppb	1.76	200000.	
27 Al	238,000.	1,904.	ppb	1.44	200000.	
28 Si	1,721.25	13.77	ppb	134.06	#VALUE!	
29 Si	-1,760.	-14.08	ppb	308.24	10000.	
39 K	14,925.	119.4	ppb	1.54	200000.	
43 Ca	43,175.	345.4	ppb	6.95	#VALUE!	
44 Ca	39,437.5	315.5	ppb	1.50	200000.	
51 V	540.625	4.325	ppb	1.36	1000.	
52 Cr	412.375	3.299	ppb	1.42	1000.	
53 Cr	380.	3.04	ppb	3.72	#VALUE!	
55 Mn	7,797.5	62.38	ppb	0.75	1000.	
56 Fe	408,375.	3,267.	ppb	0.24	#VALUE!	
57 Fe	399,875.	3,199.	ppb	0.20	100000.	
59 Co	186.125	1.489	ppb	1.20	1000.	
60 Ni	449.25	3.594	ppb	2.61	1000.	
63 Cu	372.75	2.982	ppb	1.41	#VALUE!	
65 Cu	377.375	3.019	ppb	1.33	1000.	
66 Zn	860.5	6.884	ppb	1.09	1000.	
68 Zn	868.25	6.946	ppb	4.03	#VALUE!	
75 As	166.625	1.333	ppb	3.73	1000.	
82 Se	-16.4875	-0.1319	ppb	108.87	1000.	
88 Sr	164.75	1.318	ppb	3.48	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	9.2538	0.074	ppb	7.03	1000.	
107 Ag	0.4604	0.0037	ppb	49.91	500.	
109 Ag	0.5271	0.0042	ppb	80.46	#VALUE!	
111 Cd	-2.56	-0.0205	ppb	188.23	#VALUE!	
114 Cd	1.7163	0.0137	ppb	47.41	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	33.3625	0.2669	ppb	2.18	1000.	
120 Sn	33.75	0.27	ppb	3.89	#VALUE!	
121 Sb	1.2398	0.0099	ppb	3.99	#VALUE!	
123 Sb	2.4113	0.0193	ppb	32.11	1000.	
135 Ba	421.75	3.374	ppb	4.10	1000.	
137 Ba	416.875	3.335	ppb	1.82	#VALUE!	
182 W	3.4475	0.0276	ppb ---		#VALUE!	
203 Tl	1.3725	0.011	ppb	33.37	1000.	
205 Tl	0.9185	0.0073	ppb	20.28	#VALUE!	
208 Pb	161.5	1.292	ppb	2.97	1000.	
232 Th	72.6125	0.5809	ppb	3.96	1000.	
238 U	9.1113	0.0729	ppb	1.34	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3456992.30	1.44	3225547.00	107.2	69.5 - 130	
45 Sc	2843026.50	0.48	2797225.50	101.6	69.5 - 130	
72 Ge	600654.44	0.52	598801.94	100.3	69.5 - 130	
159 Tb	5481516.00	1.07	5240202.50	104.6	69.5 - 130	
209 Bi	3237125.30	0.86	3108879.00	104.1	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\044SMPL.D\044SMPL.D#
 Date Acquired: Jul 1 2014 03:14 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: SH4523-019A
 Misc Info: DILUTION 0.4/10
 Vial Number: 2205
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 25.00
 Autodil Factor: Undiluted
Final Dil Factor: 25.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	54.575	2.183	ppb	0.98	100.	
11 B	994.	39.76	ppb	1.06	1000.	
23 Na	53,750.	2,150.	ppb	1.60	200000.	
25 Mg	121,350.	4,854.	ppb	1.93	200000.	
27 Al	247,275.	9,891.	ppb	1.31	200000.	
28 Si	28,800.	1,152.	ppb	2.10	#VALUE!	
29 Si	28,675.	1,147.	ppb	4.28	10000.	
39 K	66,175.	2,647.	ppb	1.22	200000.	
43 Ca	45,575.	1,823.	ppb	2.19	#VALUE!	
44 Ca	43,750.	1,750.	ppb	1.37	200000.	
51 V	775.25	31.01	ppb	0.42	1000.	
52 Cr	668.	26.72	ppb	0.58	1000.	
53 Cr	745.75	29.83	ppb	3.35	#VALUE!	
55 Mn	7,595.	303.8	ppb	1.47	1000.	
56 Fe	401,250.	16,050.	ppb	1.39	#VALUE!	
57 Fe	388,500.	15,540.	ppb	0.74	100000.	
59 Co	230.975	9.239	ppb	0.92	1000.	
60 Ni	526.25	21.05	ppb	0.62	1000.	
63 Cu	516.25	20.65	ppb	0.92	#VALUE!	
65 Cu	513.5	20.54	ppb	1.43	1000.	
66 Zn	1,323.75	52.95	ppb	0.93	1000.	
68 Zn	1,275.5	51.02	ppb	1.86	#VALUE!	
75 As	413.25	16.53	ppb	1.89	1000.	
82 Se	265.5	10.62	ppb	1.40	1000.	
88 Sr	415.75	16.63	ppb	2.28	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	261.5	10.46	ppb	1.73	1000.	
107 Ag	53.35	2.134	ppb	1.68	500.	
109 Ag	53.475	2.139	ppb	2.61	#VALUE!	
111 Cd	54.3	2.172	ppb	0.82	#VALUE!	
114 Cd	53.8	2.152	ppb	1.75	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	279.25	11.17	ppb	2.01	1000.	
120 Sn	280.5	11.22	ppb	2.07	#VALUE!	
121 Sb	51.325	2.053	ppb	4.45	#VALUE!	
123 Sb	51.45	2.058	ppb	1.23	1000.	
135 Ba	477.25	19.09	ppb	0.79	1000.	
137 Ba	484.5	19.38	ppb	1.93	#VALUE!	
182 W	263.5	10.54	ppb ---		#VALUE!	
203 Tl	53.025	2.121	ppb	2.00	1000.	
205 Tl	52.35	2.094	ppb	1.49	#VALUE!	
208 Pb	211.175	8.447	ppb	0.32	1000.	
232 Th	126.925	5.077	ppb	1.37	1000.	
238 U	61.125	2.445	ppb	0.75	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3380910.30	0.63	3225547.00	104.8	69.5 - 130	
45 Sc	2834175.50	1.36	2797225.50	101.3	69.5 - 130	
72 Ge	593541.00	0.92	598801.94	99.1	69.5 - 130	
159 Tb	5429472.50	0.61	5240202.50	103.6	69.5 - 130	
209 Bi	3152419.00	0.39	3108879.00	101.4	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\045SMPL.D\045SMPL.D#
 Date Acquired: Jul 1 2014 03:17 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: SH4523-019S
 Misc Info: DILUTION 0.4/10
 Vial Number: 2206
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 25.00
 Autodil Factor: Undiluted
Final Dil Factor: 25.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	52.25	2.09	ppb	1.31	100.	
11 B	447.	17.88	ppb	1.53	1000.	
23 Na	9,877.5	395.1	ppb	0.63	200000.	
25 Mg	144,500.	5,780.	ppb	0.83	200000.	
27 Al	306,250.	12,250.	ppb	1.28	200000.	
28 Si	3,032.5	121.3	ppb	17.61	#VALUE!	
29 Si	3,430.	137.2	ppb	68.49	10000.	
39 K	33,900.	1,356.	ppb	2.27	200000.	
43 Ca	63,200.	2,528.	ppb	2.52	#VALUE!	
44 Ca	60,750.	2,430.	ppb	1.29	200000.	
51 V	1,165.75	46.63	ppb	1.52	1000.	
52 Cr	732.5	29.3	ppb	0.67	1000.	
53 Cr	795.75	31.83	ppb	0.14	#VALUE!	
55 Mn	10,077.5	403.1	ppb	1.61	1000.	
56 Fe	494,000.	19,760.	ppb	1.68	#VALUE!	
57 Fe	475,000.	19,000.	ppb	1.43	100000.	
59 Co	702.75	28.11	ppb	1.42	1000.	
60 Ni	1,007.5	40.3	ppb	1.68	1000.	
63 Cu	690.5	27.62	ppb	1.24	#VALUE!	
65 Cu	696.5	27.86	ppb	0.96	1000.	
66 Zn	1,520.75	60.83	ppb	1.36	1000.	
68 Zn	1,540.25	61.61	ppb	0.95	#VALUE!	
75 As	300.	12.	ppb	0.63	1000.	
82 Se	105.1	4.204	ppb	6.45	1000.	
88 Sr	712.	28.48	ppb	1.40	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	286.25	11.45	ppb	0.71	1000.	
107 Ag	49.825	1.993	ppb	2.33	500.	
109 Ag	49.5	1.98	ppb	2.06	#VALUE!	
111 Cd	246.825	9.873	ppb	1.93	#VALUE!	
114 Cd	245.4	9.816	ppb	1.42	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	500.25	20.01	ppb	2.38	1000.	
120 Sn	498.25	19.93	ppb	1.36	#VALUE!	
121 Sb	29.675	1.187	ppb	0.29	#VALUE!	
123 Sb	29.225	1.169	ppb	1.06	1000.	
135 Ba	2,436.25	97.45	ppb	1.80	1000.	
137 Ba	2,453.75	98.15	ppb	1.97	#VALUE!	
182 W	67.7	2.708	ppb ---		#VALUE!	
203 Tl	92.4	3.696	ppb	2.06	1000.	
205 Tl	92.25	3.69	ppb	3.72	#VALUE!	
208 Pb	291.75	11.67	ppb	1.90	1000.	
232 Th	100.075	4.003	ppb	2.21	1000.	
238 U	109.65	4.386	ppb	1.46	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3467718.50	1.43	3225547.00	107.5	69.5 - 130	
45 Sc	2840417.80	0.44	2797225.50	101.5	69.5 - 130	
72 Ge	591707.00	0.94	598801.94	98.8	69.5 - 130	
159 Tb	5503011.50	0.97	5240202.50	105.0	69.5 - 130	
209 Bi	3181674.80	0.84	3108879.00	102.3	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\046SMPL.D\046SMPL.D#
 Date Acquired: Jul 1 2014 03:20 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: SH4523-019P
 Misc Info: DILUTION 0.4/10
 Vial Number: 2207
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 25.00
 Autodil Factor: Undiluted
Final Dil Factor: 25.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	50.825	2.033	ppb	3.13	100.	
11 B	439.	17.56	ppb	2.37	1000.	
23 Na	9,500.	380.	ppb	6.18	200000.	
25 Mg	124,350.	4,974.	ppb	1.38	200000.	
27 Al	270,250.	10,810.	ppb	0.75	200000.	
28 Si	3,407.5	136.3	ppb	30.10	#VALUE!	
29 Si	4,295.	171.8	ppb	75.96	10000.	
39 K	28,525.	1,141.	ppb	1.80	200000.	
43 Ca	58,525.	2,341.	ppb	2.15	#VALUE!	
44 Ca	56,225.	2,249.	ppb	1.33	200000.	
51 V	1,114.25	44.57	ppb	1.41	1000.	
52 Cr	636.	25.44	ppb	1.26	1000.	
53 Cr	696.25	27.85	ppb	3.22	#VALUE!	
55 Mn	9,350.	374.	ppb	1.10	1000.	
56 Fe	448,750.	17,950.	ppb	0.75	#VALUE!	
57 Fe	432,250.	17,290.	ppb	0.89	100000.	
59 Co	686.5	27.46	ppb	1.71	1000.	
60 Ni	923.	36.92	ppb	1.22	1000.	
63 Cu	640.	25.6	ppb	0.80	#VALUE!	
65 Cu	645.25	25.81	ppb	0.55	1000.	
66 Zn	1,410.	56.4	ppb	1.76	1000.	
68 Zn	1,433.	57.32	ppb	1.14	#VALUE!	
75 As	282.5	11.3	ppb	0.84	1000.	
82 Se	103.45	4.138	ppb	3.86	1000.	
88 Sr	688.5	27.54	ppb	1.28	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	284.25	11.37	ppb	1.26	1000.	
107 Ag	51.075	2.043	ppb	0.45	500.	
109 Ag	50.15	2.006	ppb	1.86	#VALUE!	
111 Cd	248.125	9.925	ppb	1.28	#VALUE!	
114 Cd	245.525	9.821	ppb	1.95	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	501.	20.04	ppb	1.09	1000.	
120 Sn	499.	19.96	ppb	1.59	#VALUE!	
121 Sb	30.8	1.232	ppb	3.27	#VALUE!	
123 Sb	30.875	1.235	ppb	1.56	1000.	
135 Ba	2,356.25	94.25	ppb	2.05	1000.	
137 Ba	2,362.75	94.51	ppb	1.61	#VALUE!	
182 W	66.525	2.661	ppb ---		#VALUE!	
203 Tl	91.6	3.664	ppb	0.08	1000.	
205 Tl	91.175	3.647	ppb	1.37	#VALUE!	
208 Pb	277.75	11.11	ppb	1.36	1000.	
232 Th	86.	3.44	ppb	1.38	1000.	
238 U	106.225	4.249	ppb	1.41	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3492914.00	2.07	3225547.00	108.3	69.5 - 130	
45 Sc	2849298.80	1.33	2797225.50	101.9	69.5 - 130	
72 Ge	594785.44	1.26	598801.94	99.3	69.5 - 130	
159 Tb	5502146.00	1.83	5240202.50	105.0	69.5 - 130	
209 Bi	3204962.30	2.07	3108879.00	103.1	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\047SMPL.D\047SMPL.D#
 Date Acquired: Jul 1 2014 03:24 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: PBSHF25IMS1
 Misc Info: DILUTION 1.6/8
 Vial Number: 2208
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 5.00
 Autodil Factor: Undiluted
Final Dil Factor: 5.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	-0.0027	-0.0005	ppb	84.08	100.	
11 B	0.968	0.1936	ppb	68.39	1000.	
23 Na	16.515	3.303	ppb	14.42	200000.	
25 Mg	20.455	4.091	ppb	8.95	200000.	
27 Al	12.74	2.548	ppb	8.14	200000.	
28 Si	-173.75	-34.75	ppb	213.41	#VALUE!	
29 Si	745.5	149.1	ppb	144.27	10000.	
39 K	39.61	7.922	ppb	54.49	200000.	
43 Ca	50.1	10.02	ppb	7.69	#VALUE!	
44 Ca	62.4	12.48	ppb	18.23	200000.	
51 V	0.6605	0.1321	ppb	76.23	1000.	
52 Cr	1.3625	0.2725	ppb	1.73	1000.	
53 Cr	49.995	9.999	ppb	3.04	#VALUE!	
55 Mn	0.7545	0.1509	ppb	14.75	1000.	
56 Fe	31.28	6.256	ppb	49.09	#VALUE!	
57 Fe	30.67	6.134	ppb	58.85	100000.	
59 Co	-0.0032	-0.0006	ppb	592.44	1000.	
60 Ni	0.4035	0.0807	ppb	12.19	1000.	
63 Cu	0.4436	0.0887	ppb	29.50	#VALUE!	
65 Cu	0.589	0.1178	ppb	9.68	1000.	
66 Zn	0.1489	0.0298	ppb	112.33	1000.	
68 Zn	1.6265	0.3253	ppb	55.24	#VALUE!	
75 As	-0.222	-0.0444	ppb	792.97	1000.	
82 Se	-0.1401	-0.028	ppb	796.57	1000.	
88 Sr	0.2108	0.0422	ppb	23.23	1000.	
89 Y	----	-----	---		#VALUE!	
98 Mo	0.469	0.0938	ppb	7.55	1000.	
107 Ag	0.0102	0.002	ppb	192.90	500.	
109 Ag	-0.0013	-0.0003	ppb	671.22	#VALUE!	
111 Cd	0.1216	0.0243	ppb	208.63	#VALUE!	
114 Cd	-0.0045	-0.0009	ppb	579.94	1000.	
115 In	----	-----	---		#VALUE!	
118 Sn	21.66	4.332	ppb	2.38	1000.	
120 Sn	21.6	4.32	ppb	1.88	#VALUE!	
121 Sb	0.0383	0.0077	ppb	23.01	#VALUE!	
123 Sb	0.0431	0.0086	ppb	40.62	1000.	
135 Ba	1.564	0.3128	ppb	5.68	1000.	
137 Ba	1.6975	0.3395	ppb	4.28	#VALUE!	
182 W	0.1285	0.0257	ppb ---		#VALUE!	
203 Tl	0.0095	0.0019	ppb	95.01	1000.	
205 Tl	0.0134	0.0027	ppb	40.43	#VALUE!	
208 Pb	0.0724	0.0145	ppb	9.12	1000.	
232 Th	0.1345	0.0269	ppb	18.72	1000.	
238 U	0.0001	0.	ppb	453.86	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3464687.30	2.37	3225547.00	107.4	69.5 - 130	
45 Sc	2795219.30	2.01	2797225.50	99.9	69.5 - 130	
72 Ge	588320.06	0.79	598801.94	98.2	69.5 - 130	
159 Tb	5400194.50	1.70	5240202.50	103.1	69.5 - 130	
209 Bi	3169323.30	1.19	3108879.00	101.9	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

CCV QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\048_CCV.D\048_CCV.D#
 Date Acquired: Jul 1 2014 03:27 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: CCV
 Misc Info:
 Vial Number: 1206
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Dilution Factor: 1.00
 QC Range (%): 89.5 - 110.5

QC Elements

Element	Conc.		RSD(%)	Expected	Rec (%)	Flag
9 Be	22.34	ppb	0.48	25	89.36	Fail
11 B	23.68	ppb	2.22	25	94.72	
23 Na	4,865.	ppb	1.03	5,000	97.3	
25 Mg	4,974.	ppb	0.58	5,000	99.48	
27 Al	512.5	ppb	2.26	500	102.5	
28 Si	572.4	ppb	5.41	500	114.48	
29 Si	785.1	ppb	4.70	500	157.02	Fail
39 K	4,976.	ppb	0.33	5,000	99.52	
43 Ca	4,972.	ppb	1.00	5,000	99.44	
44 Ca	5,027.	ppb	1.32	5,000	100.54	
51 V	24.46	ppb	1.59	25	97.84	
52 Cr	24.66	ppb	1.33	25	98.64	
53 Cr	24.52	ppb	1.21	25	98.08	
55 Mn	24.8	ppb	1.72	25	99.2	
56 Fe	4,974.	ppb	3.12	5,000	99.48	
57 Fe	4,980.	ppb	3.03	5,000	99.6	
59 Co	24.67	ppb	1.00	25	98.68	
60 Ni	24.81	ppb	0.48	25	99.24	
63 Cu	24.78	ppb	1.74	25	99.12	
65 Cu	24.77	ppb	2.40	25	99.08	
66 Zn	25.16	ppb	2.28	25	100.64	
68 Zn	24.51	ppb	2.17	25	98.04	
75 As	24.61	ppb	1.13	25	98.44	
82 Se	24.72	ppb	2.17	25	98.88	
88 Sr	25.18	ppb	1.64	25	100.72	
89 Y	-----	---	-----	---	#VALUE!	
98 Mo	25.12	ppb	1.62	25	100.48	
107 Ag	25.5	ppb	2.27	25	102	
109 Ag	25.53	ppb	1.40	25	102.12	
111 Cd	25.6	ppb	2.13	25	102.4	
114 Cd	25.79	ppb	1.21	25	103.16	
115 In	-----	---	-----	---	#VALUE!	
118 Sn	24.49	ppb	0.44	25	97.96	
120 Sn	24.58	ppb	0.51	25	98.32	
121 Sb	24.62	ppb	0.26	25	98.48	
123 Sb	24.53	ppb	0.13	25	98.12	
135 Ba	24.38	ppb	1.39	25	97.52	
137 Ba	24.81	ppb	0.47	25	99.24	
182 W	25.27	ppb	0.88	25	101.08	
203 Tl	25.	ppb	1.06	25	100	
205 Tl	24.73	ppb	0.73	25	98.92	
208 Pb	24.81	ppb	0.57	25	99.24	
232 Th	24.04	ppb	0.63	25	96.16	
238 U	24.31	ppb	1.20	25	97.24	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3307475.50	1.05	3225547.00	102.5	80 - 120.4	
45 Sc	2849361.30	1.93	2797225.50	101.9	80 - 120.4	
72 Ge	599607.81	1.68	598801.94	100.1	80 - 120.4	
159 Tb	5541814.00	0.89	5240202.50	105.8	80 - 120.4	
209 Bi	3236308.00	1.15	3108879.00	104.1	80 - 120.4	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

2 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Fail
 ISTD: Pass

CCB QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\049_CCB.D\049_CCB.D#
 Date Acquired: Jul 1 2014 03:30 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: CCB
 Misc Info:
 Vial Number: 1207
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: 6-CCB
 Dilution Factor: 1.00

QC Elements

Element	Conc.		RSD(%)	High Limit	Flag
9 Be	0.0011	ppb	111.42	1.00	
11 B	0.1601	ppb	67.27	1.00	
23 Na	-2.64	ppb	4.39	1.00	
25 Mg	0.1029	ppb	27.42	1.00	
27 Al	-0.0164	ppb	290.96	1.00	
28 Si	46.05	ppb	133.16	1.00	
29 Si	337.7	ppb	50.52	1.00	Fail
39 K	4.09	ppb	66.43	1.00	
43 Ca	-3.298	ppb	128.35	1.00	
44 Ca	-2.207	ppb	55.82	1.00	
51 V	-0.0561	ppb	165.44	1.00	
52 Cr	-0.0609	ppb	12.89	1.00	
53 Cr	-0.8438	ppb	35.52	1.00	
55 Mn	0.0003	ppb	2738.10	1.00	
56 Fe	-1.14	ppb	118.42	1.00	
57 Fe	-1.132	ppb	92.40	1.00	
59 Co	-0.0019	ppb	319.65	1.00	
60 Ni	-0.0028	ppb	478.72	1.00	
63 Cu	0.0035	ppb	434.28	1.00	
65 Cu	0.0148	ppb	240.12	1.00	
66 Zn	-0.0545	ppb	77.47	1.00	
68 Zn	0.0816	ppb	309.60	1.00	
75 As	-0.062	ppb	101.97	1.00	
82 Se	0.027	ppb	475.91	1.00	
88 Sr	0.003	ppb	184.54	1.00	
89 Y	-----	---	-----	---	
98 Mo	0.0489	ppb	33.60	1.00	
107 Ag	0.0008	ppb	436.37	1.00	
109 Ag	0.0005	ppb	480.44	1.00	
111 Cd	-0.01	ppb	165.20	1.00	
114 Cd	0.0027	ppb	78.05	1.00	
115 In	-----	---	-----	---	
118 Sn	0.0565	ppb	28.79	1.00	
120 Sn	0.0496	ppb	18.40	1.00	
121 Sb	0.0117	ppb	77.13	1.00	
123 Sb	0.0162	ppb	54.65	1.00	
135 Ba	0.0036	ppb	224.19	1.00	
137 Ba	-0.0103	ppb	17.72	1.00	
182 W	0.0935	ppb	23.50	1.00	
203 Tl	0.0054	ppb	46.81	1.00	
205 Tl	0.0036	ppb	19.37	1.00	
208 Pb	0.0095	ppb	109.54	1.00	
232 Th	0.088	ppb	21.24	1.00	
238 U	-0.0001	ppb	167.83	1.00	

ISTD Elements

Element	CPS	Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3327563.50		1.34	3225547.00	103.2	79.5 - 120	
45 Sc	2827734.30		0.42	2797225.50	101.1	79.5 - 120	
72 Ge	600962.56		0.31	598801.94	100.4	79.5 - 120	
159 Tb	5496427.50		0.53	5240202.50	104.9	79.5 - 120	
209 Bi	3304764.80		0.44	3108879.00	106.3	79.5 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

1 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Fail
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\050SMPL.D\050SMPL.D#
 Date Acquired: Jul 1 2014 03:34 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: LCSOHF25IMS1
 Misc Info: DILUTION 1.6/8
 Vial Number: 2209
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 5.00
 Autodil Factor: Undiluted
Final Dil Factor: 5.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	45.72	9.144	ppb	4.59	100.	
11 B	444.1	88.82	ppb	1.04	1000.	
23 Na	7,755.	1,551.	ppb	1.68	200000.	
25 Mg	5,185.	1,037.	ppb	3.43	200000.	
27 Al	2,118.	423.6	ppb	1.97	200000.	
28 Si	3,647.	729.4	ppb	7.52	#VALUE!	
29 Si	3,993.	798.6	ppb	15.75	10000.	
39 K	10,205.	2,041.	ppb	4.15	200000.	
43 Ca	2,922.	584.4	ppb	4.70	#VALUE!	
44 Ca	2,263.	452.6	ppb	4.62	200000.	
51 V	514.5	102.9	ppb	2.43	1000.	
52 Cr	201.75	40.35	ppb	2.82	1000.	
53 Cr	264.95	52.99	ppb	2.45	#VALUE!	
55 Mn	521.5	104.3	ppb	2.54	1000.	
56 Fe	1,096.5	219.3	ppb	3.74	#VALUE!	
57 Fe	1,023.5	204.7	ppb	3.70	100000.	
59 Co	523.	104.6	ppb	1.88	1000.	
60 Ni	518.	103.6	ppb	1.82	1000.	
63 Cu	254.25	50.85	ppb	3.04	#VALUE!	
65 Cu	254.1	50.82	ppb	3.12	1000.	
66 Zn	499.85	99.97	ppb	2.10	1000.	
68 Zn	549.5	109.9	ppb	2.43	#VALUE!	
75 As	101.3	20.26	ppb	1.27	1000.	
82 Se	101.05	20.21	ppb	2.53	1000.	
88 Sr	497.05	99.41	ppb	1.27	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	294.55	58.91	ppb	2.31	1000.	
107 Ag	51.3	10.26	ppb	2.72	500.	
109 Ag	51.65	10.33	ppb	3.23	#VALUE!	
111 Cd	255.45	51.09	ppb	2.42	#VALUE!	
114 Cd	257.	51.4	ppb	2.48	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	515.	103.	ppb	2.78	1000.	
120 Sn	516.	103.2	ppb	2.57	#VALUE!	
121 Sb	100.85	20.17	ppb	2.70	#VALUE!	
123 Sb	100.85	20.17	ppb	2.92	1000.	
135 Ba	1,994.	398.8	ppb	2.89	1000.	
137 Ba	1,995.	399.	ppb	2.56	#VALUE!	
182 W	105.4	21.08	ppb ---		#VALUE!	
203 Tl	101.2	20.24	ppb	3.20	1000.	
205 Tl	100.6	20.12	ppb	2.99	#VALUE!	
208 Pb	102.7	20.54	ppb	3.13	1000.	
232 Th	0.7345	0.1469	ppb	46.70	1000.	
238 U	98.05	19.61	ppb	3.03	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3407571.30	2.42	3225547.00	105.6	69.5 - 130	
45 Sc	2757849.30	2.50	2797225.50	98.6	69.5 - 130	
72 Ge	573601.19	1.73	598801.94	95.8	69.5 - 130	
159 Tb	5184716.00	1.81	5240202.50	98.9	69.5 - 130	
209 Bi	3030732.80	2.48	3108879.00	97.5	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\051SMPL.D\051SMPL.D#
 Date Acquired: Jul 1 2014 03:37 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: LC20HF25IMS1
 Misc Info: DILUTION 1.6/8
 Vial Number: 2210
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 5.00
 Autodil Factor: Undiluted
Final Dil Factor: 5.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	44.045	8.809	ppb	5.52	100.	
11 B	435.7	87.14	ppb	3.16	1000.	
23 Na	7,695.	1,539.	ppb	4.27	200000.	
25 Mg	5,120.	1,024.	ppb	4.73	200000.	
27 Al	2,086.	417.2	ppb	4.50	200000.	
28 Si	3,905.5	781.1	ppb	5.99	#VALUE!	
29 Si	3,920.5	784.1	ppb	27.48	10000.	
39 K	10,270.	2,054.	ppb	4.95	200000.	
43 Ca	2,830.	566.	ppb	6.71	#VALUE!	
44 Ca	2,208.	441.6	ppb	3.75	200000.	
51 V	499.4	99.88	ppb	3.53	1000.	
52 Cr	196.9	39.38	ppb	5.23	1000.	
53 Cr	264.1	52.82	ppb	5.81	#VALUE!	
55 Mn	507.	101.4	ppb	3.57	1000.	
56 Fe	1,055.	211.	ppb	6.01	#VALUE!	
57 Fe	1,009.	201.8	ppb	5.17	100000.	
59 Co	506.	101.2	ppb	4.44	1000.	
60 Ni	506.	101.2	ppb	3.91	1000.	
63 Cu	249.9	49.98	ppb	3.61	#VALUE!	
65 Cu	248.4	49.68	ppb	4.39	1000.	
66 Zn	493.5	98.7	ppb	4.00	1000.	
68 Zn	540.	108.	ppb	5.42	#VALUE!	
75 As	99.45	19.89	ppb	3.89	1000.	
82 Se	97.75	19.55	ppb	3.43	1000.	
88 Sr	487.95	97.59	ppb	4.88	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	289.6	57.92	ppb	3.75	1000.	
107 Ag	50.85	10.17	ppb	5.21	500.	
109 Ag	50.9	10.18	ppb	4.36	#VALUE!	
111 Cd	249.9	49.98	ppb	4.21	#VALUE!	
114 Cd	252.75	50.55	ppb	4.52	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	497.8	99.56	ppb	3.94	1000.	
120 Sn	498.75	99.75	ppb	3.79	#VALUE!	
121 Sb	97.3	19.46	ppb	3.60	#VALUE!	
123 Sb	97.6	19.52	ppb	4.19	1000.	
135 Ba	1,923.	384.6	ppb	3.46	1000.	
137 Ba	1,936.	387.2	ppb	3.63	#VALUE!	
182 W	102.5	20.5	ppb ---		#VALUE!	
203 Tl	98.75	19.75	ppb	3.44	1000.	
205 Tl	98.75	19.75	ppb	4.27	#VALUE!	
208 Pb	99.8	19.96	ppb	4.05	1000.	
232 Th	0.2965	0.0593	ppb	14.18	1000.	
238 U	94.65	18.93	ppb	4.05	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3498887.00	2.80	3225547.00	108.5	69.5 - 130	
45 Sc	2748410.30	3.60	2797225.50	98.3	69.5 - 130	
72 Ge	577420.06	3.43	598801.94	96.4	69.5 - 130	
159 Tb	5270338.50	2.69	5240202.50	100.6	69.5 - 130	
209 Bi	3083085.80	3.15	3108879.00	99.2	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\052SMPL.D\052SMPL.D#
 Date Acquired: Jul 1 2014 03:40 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: SH4400-012
 Misc Info: DILUTION 1.6/8
 Vial Number: 2211
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 5.00
 Autodil Factor: Undiluted
Final Dil Factor: 5.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	9.035	1.807	ppb	1.51	100.	
11 B	84.7	16.94	ppb	0.44	1000.	
23 Na	3,005.5	601.1	ppb	2.15	200000.	
25 Mg	99,850.	19,970.	ppb	1.89	200000.	
27 Al	213,700.	42,740.	ppb	1.50	200000.	
28 Si	2,840.	568.	ppb	6.18	#VALUE!	
29 Si	1,418.	283.6	ppb	29.36	10000.	
39 K	39,085.	7,817.	ppb	1.09	200000.	
43 Ca	67,400.	13,480.	ppb	1.58	#VALUE!	
44 Ca	65,750.	13,150.	ppb	1.02	200000.	
51 V	500.5	100.1	ppb	1.86	1000.	
52 Cr	378.75	75.75	ppb	0.62	1000.	
53 Cr	438.8	87.76	ppb	1.35	#VALUE!	
55 Mn	7,150.	1,430.	ppb	1.15	1000.	>LDR
56 Fe	367,800.	73,560.	ppb	1.26	#VALUE!	
57 Fe	348,100.	69,620.	ppb	1.11	100000.	
59 Co	155.4	31.08	ppb	0.87	1000.	
60 Ni	389.6	77.92	ppb	0.98	1000.	
63 Cu	258.25	51.65	ppb	1.05	#VALUE!	
65 Cu	261.75	52.35	ppb	0.43	1000.	
66 Zn	815.5	163.1	ppb	1.23	1000.	
68 Zn	798.	159.6	ppb	0.94	#VALUE!	
75 As	122.1	24.42	ppb	1.73	1000.	
82 Se	2.754	0.5508	ppb	10.15	1000.	
88 Sr	289.35	57.87	ppb	0.99	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	7.845	1.569	ppb	0.81	1000.	
107 Ag	0.719	0.1438	ppb	3.93	500.	
109 Ag	0.4894	0.0979	ppb	10.37	#VALUE!	
111 Cd	3.095	0.619	ppb	12.65	#VALUE!	
114 Cd	1.0045	0.2009	ppb	5.36	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	34.425	6.885	ppb	0.63	1000.	
120 Sn	34.605	6.921	ppb	1.26	#VALUE!	
121 Sb	2.6825	0.5365	ppb	3.03	#VALUE!	
123 Sb	2.782	0.5564	ppb	5.24	1000.	
135 Ba	576.	115.2	ppb	0.25	1000.	
137 Ba	574.	114.8	ppb	0.34	#VALUE!	
182 W	3.3915	0.6783	ppb ---		#VALUE!	
203 Tl	1.961	0.3922	ppb	5.81	1000.	
205 Tl	1.8255	0.3651	ppb	1.75	#VALUE!	
208 Pb	182.2	36.44	ppb	0.18	1000.	
232 Th	106.7	21.34	ppb	0.36	1000.	
238 U	15.465	3.093	ppb	0.78	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3358936.30	1.44	3225547.00	104.1	69.5 - 130	
45 Sc	2862494.30	0.76	2797225.50	102.3	69.5 - 130	
72 Ge	579068.88	1.43	598801.94	96.7	69.5 - 130	
159 Tb	5188278.50	0.84	5240202.50	99.0	69.5 - 130	
209 Bi	2906643.50	0.66	3108879.00	93.5	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

1 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Fail
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\053SMPL.D\053SMPL.D#
 Date Acquired: Jul 1 2014 03:44 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: SH4400-015
 Misc Info: DILUTION 1.6/8
 Vial Number: 2212
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 5.00
 Autodil Factor: Undiluted
Final Dil Factor: 5.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	10.605	2.121	ppb	1.28	100.	
11 B	91.7	18.34	ppb	1.24	1000.	
23 Na	3,723.	744.6	ppb	1.57	200000.	
25 Mg	111,900.	22,380.	ppb	1.00	200000.	
27 Al	233,600.	46,720.	ppb	0.66	200000.	
28 Si	2,447.5	489.5	ppb	3.13	#VALUE!	
29 Si	470.85	94.17	ppb	51.38	10000.	
39 K	46,475.	9,295.	ppb	0.39	200000.	
43 Ca	71,600.	14,320.	ppb	1.09	#VALUE!	
44 Ca	69,150.	13,830.	ppb	0.32	200000.	
51 V	565.5	113.1	ppb	1.41	1000.	
52 Cr	434.55	86.91	ppb	0.75	1000.	
53 Cr	489.75	97.95	ppb	0.44	#VALUE!	
55 Mn	7,060.	1,412.	ppb	0.25	1000.	>LDR
56 Fe	402,100.	80,420.	ppb	0.55	#VALUE!	
57 Fe	383,350.	76,670.	ppb	0.61	100000.	
59 Co	171.8	34.36	ppb	0.41	1000.	
60 Ni	439.2	87.84	ppb	0.46	1000.	
63 Cu	292.9	58.58	ppb	0.25	#VALUE!	
65 Cu	296.3	59.26	ppb	0.33	1000.	
66 Zn	910.5	182.1	ppb	0.34	1000.	
68 Zn	894.	178.8	ppb	0.34	#VALUE!	
75 As	116.1	23.22	ppb	0.66	1000.	
82 Se	4.1685	0.8337	ppb	15.02	1000.	
88 Sr	321.15	64.23	ppb	0.29	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	7.815	1.563	ppb	1.31	1000.	
107 Ag	0.846	0.1692	ppb	12.03	500.	
109 Ag	0.6635	0.1327	ppb	8.68	#VALUE!	
111 Cd	3.798	0.7596	ppb	4.20	#VALUE!	
114 Cd	1.166	0.2332	ppb	7.28	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	28.565	5.713	ppb	1.09	1000.	
120 Sn	28.045	5.609	ppb	1.59	#VALUE!	
121 Sb	2.135	0.427	ppb	3.23	#VALUE!	
123 Sb	2.09	0.418	ppb	6.60	1000.	
135 Ba	696.	139.2	ppb	0.47	1000.	
137 Ba	696.	139.2	ppb	0.46	#VALUE!	
182 W	2.5615	0.5123	ppb ---		#VALUE!	
203 Tl	2.486	0.4972	ppb	4.33	1000.	
205 Tl	2.3075	0.4615	ppb	0.67	#VALUE!	
208 Pb	212.85	42.57	ppb	1.08	1000.	
232 Th	112.65	22.53	ppb	1.59	1000.	
238 U	14.535	2.907	ppb	1.37	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3298800.00	0.92	3225547.00	102.3	69.5 - 130	
45 Sc	2865853.00	0.58	2797225.50	102.5	69.5 - 130	
72 Ge	580336.06	0.77	598801.94	96.9	69.5 - 130	
159 Tb	5119538.00	0.41	5240202.50	97.7	69.5 - 130	
209 Bi	2873932.00	0.94	3108879.00	92.4	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

1 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Fail
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\054SMPL.D\054SMPL.D#
 Date Acquired: Jul 1 2014 03:47 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: SH4413-001
 Misc Info: DILUTION 1.6/8
 Vial Number: 2301
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 5.00
 Autodil Factor: Undiluted
Final Dil Factor: 5.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6.7	1.34	ppb	0.84	100.	
11 B	6.96	1.392	ppb	9.53	1000.	
23 Na	1,483.5	296.7	ppb	0.90	200000.	
25 Mg	18,780.	3,756.	ppb	0.76	200000.	
27 Al	237,950.	47,590.	ppb	1.30	200000.	
28 Si	4,132.	826.4	ppb	5.22	#VALUE!	
29 Si	2,586.	517.2	ppb	16.29	10000.	
39 K	7,275.	1,455.	ppb	1.26	200000.	
43 Ca	14,175.	2,835.	ppb	3.02	#VALUE!	
44 Ca	13,210.	2,642.	ppb	0.24	200000.	
51 V	897.5	179.5	ppb	0.45	1000.	
52 Cr	274.7	54.94	ppb	0.33	1000.	
53 Cr	318.45	63.69	ppb	0.59	#VALUE!	
55 Mn	3,014.5	602.9	ppb	1.04	1000.	
56 Fe	370,350.	74,070.	ppb	0.39	#VALUE!	
57 Fe	349,800.	69,960.	ppb	0.30	100000.	
59 Co	106.15	21.23	ppb	0.44	1000.	
60 Ni	235.95	47.19	ppb	0.95	1000.	
63 Cu	303.25	60.65	ppb	0.10	#VALUE!	
65 Cu	305.75	61.15	ppb	0.10	1000.	
66 Zn	1,068.5	213.7	ppb	0.80	1000.	
68 Zn	1,078.	215.6	ppb	0.73	#VALUE!	
75 As	80.2	16.04	ppb	1.48	1000.	
82 Se	8.755	1.751	ppb	12.24	1000.	
88 Sr	388.4	77.68	ppb	0.48	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	34.97	6.994	ppb	0.79	1000.	
107 Ag	0.4423	0.0885	ppb	6.76	500.	
109 Ag	0.337	0.0674	ppb	12.82	#VALUE!	
111 Cd	7.305	1.461	ppb	2.22	#VALUE!	
114 Cd	6.5	1.3	ppb	1.93	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	26.705	5.341	ppb	0.67	1000.	
120 Sn	26.585	5.317	ppb	2.07	#VALUE!	
121 Sb	9.865	1.973	ppb	1.54	#VALUE!	
123 Sb	9.69	1.938	ppb	4.86	1000.	
135 Ba	1,785.5	357.1	ppb	0.88	1000.	
137 Ba	1,788.	357.6	ppb	0.66	#VALUE!	
182 W	0.6635	0.1327	ppb ---		#VALUE!	
203 Tl	2.157	0.4314	ppb	1.14	1000.	
205 Tl	2.037	0.4074	ppb	1.55	#VALUE!	
208 Pb	149.05	29.81	ppb	1.80	1000.	
232 Th	60.65	12.13	ppb	0.89	1000.	
238 U	14.04	2.808	ppb	1.31	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3305999.30	0.74	3225547.00	102.5	69.5 - 130	
45 Sc	2817058.50	0.76	2797225.50	100.7	69.5 - 130	
72 Ge	572110.81	0.53	598801.94	95.5	69.5 - 130	
159 Tb	5035438.00	0.99	5240202.50	96.1	69.5 - 130	
209 Bi	2888514.00	0.68	3108879.00	92.9	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\055SMPL.D\055SMPL.D#
 Date Acquired: Jul 1 2014 03:51 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: SH4413-003
 Misc Info: DILUTION 1.6/8
 Vial Number: 2302
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 5.00
 Autodil Factor: Undiluted
Final Dil Factor: 5.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6.035	1.207	ppb	2.69	100.	
11 B	7.8	1.56	ppb	1.90	1000.	
23 Na	1,784.	356.8	ppb	2.05	200000.	
25 Mg	17,350.	3,470.	ppb	3.10	200000.	
27 Al	238,950.	47,790.	ppb	2.96	200000.	
28 Si	4,171.5	834.3	ppb	6.84	#VALUE!	
29 Si	4,178.	835.6	ppb	24.14	10000.	
39 K	6,195.	1,239.	ppb	4.16	200000.	
43 Ca	13,745.	2,749.	ppb	4.20	#VALUE!	
44 Ca	13,145.	2,629.	ppb	1.58	200000.	
51 V	728.	145.6	ppb	1.45	1000.	
52 Cr	235.65	47.13	ppb	2.10	1000.	
53 Cr	279.5	55.9	ppb	2.98	#VALUE!	
55 Mn	2,484.5	496.9	ppb	2.40	1000.	
56 Fe	275,850.	55,170.	ppb	2.03	#VALUE!	
57 Fe	261,650.	52,330.	ppb	2.39	100000.	
59 Co	98.5	19.7	ppb	2.78	1000.	
60 Ni	194.2	38.84	ppb	2.37	1000.	
63 Cu	232.9	46.58	ppb	1.88	#VALUE!	
65 Cu	234.2	46.84	ppb	3.01	1000.	
66 Zn	885.	177.	ppb	2.31	1000.	
68 Zn	931.5	186.3	ppb	2.38	#VALUE!	
75 As	35.38	7.076	ppb	5.58	1000.	
82 Se	3.6975	0.7395	ppb	6.52	1000.	
88 Sr	373.15	74.63	ppb	2.39	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	14.725	2.945	ppb	3.23	1000.	
107 Ag	0.549	0.1098	ppb	9.14	500.	
109 Ag	0.5325	0.1065	ppb	12.81	#VALUE!	
111 Cd	7.695	1.539	ppb	2.51	#VALUE!	
114 Cd	7.07	1.414	ppb	1.94	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	25.56	5.112	ppb	3.95	1000.	
120 Sn	26.195	5.239	ppb	3.52	#VALUE!	
121 Sb	4.085	0.817	ppb	1.95	#VALUE!	
123 Sb	3.9625	0.7925	ppb	3.31	1000.	
135 Ba	2,545.	509.	ppb	3.51	1000.	
137 Ba	2,558.	511.6	ppb	2.95	#VALUE!	
182 W	0.6615	0.1323	ppb ---		#VALUE!	
203 Tl	1.625	0.325	ppb	7.82	1000.	
205 Tl	1.557	0.3114	ppb	6.60	#VALUE!	
208 Pb	130.55	26.11	ppb	2.58	1000.	
232 Th	45.16	9.032	ppb	2.50	1000.	
238 U	11.845	2.369	ppb	3.01	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3232739.80	2.50	3225547.00	100.2	69.5 - 130	
45 Sc	2719306.80	2.29	2797225.50	97.2	69.5 - 130	
72 Ge	555552.13	2.00	598801.94	92.8	69.5 - 130	
159 Tb	4988122.00	2.50	5240202.50	95.2	69.5 - 130	
209 Bi	2893031.50	1.92	3108879.00	93.1	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\056SMPL.D\056SMPL.D#
 Date Acquired: Jul 1 2014 03:55 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: SH4413-005
 Misc Info: DILUTION 1.6/8
 Vial Number: 2303
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 5.00
 Autodil Factor: Undiluted
Final Dil Factor: 5.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	4.0615	0.8123	ppb	1.92	100.	
11 B	13.715	2.743	ppb	3.85	1000.	
23 Na	14,975.	2,995.	ppb	1.35	200000.	
25 Mg	13,005.	2,601.	ppb	1.15	200000.	
27 Al	171,850.	34,370.	ppb	1.34	200000.	
28 Si	4,123.	824.6	ppb	2.20	#VALUE!	
29 Si	4,865.5	973.1	ppb	17.22	10000.	
39 K	4,027.	805.4	ppb	0.91	200000.	
43 Ca	30,455.	6,091.	ppb	3.00	#VALUE!	
44 Ca	29,545.	5,909.	ppb	1.29	200000.	
51 V	469.2	93.84	ppb	0.72	1000.	
52 Cr	144.9	28.98	ppb	0.87	1000.	
53 Cr	188.5	37.7	ppb	0.56	#VALUE!	
55 Mn	1,106.5	221.3	ppb	1.48	1000.	
56 Fe	168,400.	33,680.	ppb	1.09	#VALUE!	
57 Fe	161,250.	32,250.	ppb	0.66	100000.	
59 Co	65.5	13.1	ppb	1.08	1000.	
60 Ni	123.2	24.64	ppb	1.29	1000.	
63 Cu	162.4	32.48	ppb	0.75	#VALUE!	
65 Cu	162.8	32.56	ppb	0.79	1000.	
66 Zn	602.	120.4	ppb	1.23	1000.	
68 Zn	612.	122.4	ppb	0.31	#VALUE!	
75 As	19.61	3.922	ppb	4.34	1000.	
82 Se	4.2505	0.8501	ppb	31.28	1000.	
88 Sr	654.	130.8	ppb	1.81	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	8.63	1.726	ppb	0.80	1000.	
107 Ag	0.528	0.1056	ppb	9.66	500.	
109 Ag	0.4969	0.0994	ppb	12.91	#VALUE!	
111 Cd	6.83	1.366	ppb	3.23	#VALUE!	
114 Cd	5.635	1.127	ppb	0.77	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	22.85	4.57	ppb	0.53	1000.	
120 Sn	23.075	4.615	ppb	0.69	#VALUE!	
121 Sb	2.2385	0.4477	ppb	5.64	#VALUE!	
123 Sb	2.258	0.4516	ppb	4.94	1000.	
135 Ba	792.	158.4	ppb	0.71	1000.	
137 Ba	799.	159.8	ppb	0.43	#VALUE!	
182 W	0.502	0.1004	ppb ---		#VALUE!	
203 Tl	1.174	0.2348	ppb	5.53	1000.	
205 Tl	1.2005	0.2401	ppb	4.59	#VALUE!	
208 Pb	80.8	16.16	ppb	1.41	1000.	
232 Th	29.815	5.963	ppb	1.76	1000.	
238 U	7.49	1.498	ppb	0.91	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3262516.00	0.84	3225547.00	101.1	69.5 - 130	
45 Sc	2665113.30	1.34	2797225.50	95.3	69.5 - 130	
72 Ge	551446.94	1.35	598801.94	92.1	69.5 - 130	
159 Tb	5076600.00	0.81	5240202.50	96.9	69.5 - 130	
209 Bi	2962681.00	0.60	3108879.00	95.3	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\057SMPL.D\057SMPL.D#
 Date Acquired: Jul 1 2014 03:58 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: SH4413-007
 Misc Info: DILUTION 1.6/8
 Vial Number: 2304
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 5.00
 Autodil Factor: Undiluted
Final Dil Factor: 5.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	4.8935	0.9787	ppb	3.04	100.	
11 B	8.865	1.773	ppb	5.62	1000.	
23 Na	7,465.	1,493.	ppb	1.22	200000.	
25 Mg	15,360.	3,072.	ppb	0.53	200000.	
27 Al	179,750.	35,950.	ppb	1.12	200000.	
28 Si	4,525.	905.	ppb	2.43	#VALUE!	
29 Si	5,295.	1,059.	ppb	2.81	10000.	
39 K	5,035.	1,007.	ppb	0.67	200000.	
43 Ca	22,120.	4,424.	ppb	2.43	#VALUE!	
44 Ca	21,800.	4,360.	ppb	1.41	200000.	
51 V	594.	118.8	ppb	0.95	1000.	
52 Cr	194.2	38.84	ppb	0.35	1000.	
53 Cr	233.	46.6	ppb	1.23	#VALUE!	
55 Mn	1,129.5	225.9	ppb	1.24	1000.	
56 Fe	217,050.	43,410.	ppb	0.51	#VALUE!	
57 Fe	205,800.	41,160.	ppb	0.92	100000.	
59 Co	68.85	13.77	ppb	1.05	1000.	
60 Ni	159.35	31.87	ppb	0.28	1000.	
63 Cu	166.3	33.26	ppb	1.25	#VALUE!	
65 Cu	168.8	33.76	ppb	1.54	1000.	
66 Zn	757.5	151.5	ppb	0.72	1000.	
68 Zn	777.	155.4	ppb	1.32	#VALUE!	
75 As	26.73	5.346	ppb	8.99	1000.	
82 Se	3.327	0.6654	ppb	8.76	1000.	
88 Sr	556.5	111.3	ppb	0.82	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	13.66	2.732	ppb	2.38	1000.	
107 Ag	0.4797	0.0959	ppb	5.67	500.	
109 Ag	0.3881	0.0776	ppb	6.47	#VALUE!	
111 Cd	7.77	1.554	ppb	1.90	#VALUE!	
114 Cd	6.98	1.396	ppb	1.29	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	24.945	4.989	ppb	1.69	1000.	
120 Sn	24.66	4.932	ppb	2.53	#VALUE!	
121 Sb	3.6785	0.7357	ppb	1.18	#VALUE!	
123 Sb	3.6675	0.7335	ppb	5.79	1000.	
135 Ba	1,468.	293.6	ppb	1.66	1000.	
137 Ba	1,467.	293.4	ppb	1.21	#VALUE!	
182 W	0.5635	0.1127	ppb ---		#VALUE!	
203 Tl	1.253	0.2506	ppb	3.80	1000.	
205 Tl	1.22	0.244	ppb	1.80	#VALUE!	
208 Pb	109.65	21.93	ppb	1.33	1000.	
232 Th	37.99	7.598	ppb	1.11	1000.	
238 U	8.325	1.665	ppb	1.52	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3299965.50	1.91	3225547.00	102.3	69.5 - 130	
45 Sc	2711346.30	1.00	2797225.50	96.9	69.5 - 130	
72 Ge	556306.88	0.31	598801.94	92.9	69.5 - 130	
159 Tb	5128188.50	1.69	5240202.50	97.9	69.5 - 130	
209 Bi	2934712.30	2.19	3108879.00	94.4	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\058SMPL.D\058SMPL.D#
 Date Acquired: Jul 1 2014 04:02 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: SH4413-009
 Misc Info: DILUTION 1.6/8
 Vial Number: 2305
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 5.00
 Autodil Factor: Undiluted
Final Dil Factor: 5.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	3.0715	0.6143	ppb	0.89	100.	
11 B	0.962	0.1924	ppb	14.32	1000.	
23 Na	898.	179.6	ppb	2.40	200000.	
25 Mg	8,910.	1,782.	ppb	1.15	200000.	
27 Al	24,495.	4,899.	ppb	1.03	200000.	
28 Si	855.	171.	ppb	20.90	#VALUE!	
29 Si	3,295.5	659.1	ppb	19.75	10000.	
39 K	8,010.	1,602.	ppb	1.10	200000.	
43 Ca	9,460.	1,892.	ppb	0.64	#VALUE!	
44 Ca	9,465.	1,893.	ppb	2.26	200000.	
51 V	51.5	10.3	ppb	0.16	1000.	
52 Cr	25.52	5.104	ppb	1.33	1000.	
53 Cr	62.35	12.47	ppb	2.95	#VALUE!	
55 Mn	1,037.	207.4	ppb	1.35	1000.	
56 Fe	52,050.	10,410.	ppb	0.98	#VALUE!	
57 Fe	51,300.	10,260.	ppb	1.11	100000.	
59 Co	11.18	2.236	ppb	0.43	1000.	
60 Ni	19.34	3.868	ppb	2.33	1000.	
63 Cu	18.415	3.683	ppb	0.83	#VALUE!	
65 Cu	18.635	3.727	ppb	4.29	1000.	
66 Zn	209.85	41.97	ppb	1.58	1000.	
68 Zn	212.2	42.44	ppb	2.38	#VALUE!	
75 As	3.415	0.683	ppb	35.23	1000.	
82 Se	0.777	0.1554	ppb	177.28	1000.	
88 Sr	39.785	7.957	ppb	1.24	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	2.4945	0.4989	ppb	5.64	1000.	
107 Ag	0.1093	0.0219	ppb	34.55	500.	
109 Ag	0.162	0.0324	ppb	7.73	#VALUE!	
111 Cd	1.2675	0.2535	ppb	14.26	#VALUE!	
114 Cd	0.2156	0.0431	ppb	14.44	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	25.93	5.186	ppb	1.92	1000.	
120 Sn	26.21	5.242	ppb	0.89	#VALUE!	
121 Sb	0.0536	0.0107	ppb	48.17	#VALUE!	
123 Sb	0.0594	0.0119	ppb	28.17	1000.	
135 Ba	97.7	19.54	ppb	0.39	1000.	
137 Ba	97.4	19.48	ppb	1.65	#VALUE!	
182 W	1.096	0.2192	ppb ---		#VALUE!	
203 Tl	1.0745	0.2149	ppb	5.14	1000.	
205 Tl	1.0175	0.2035	ppb	1.57	#VALUE!	
208 Pb	25.905	5.181	ppb	0.54	1000.	
232 Th	75.35	15.07	ppb	1.36	1000.	
238 U	18.07	3.614	ppb	1.47	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3210351.50	0.69	3225547.00	99.5	69.5 - 130	
45 Sc	2562927.30	2.06	2797225.50	91.6	69.5 - 130	
72 Ge	539656.94	0.94	598801.94	90.1	69.5 - 130	
159 Tb	5012947.00	0.84	5240202.50	95.7	69.5 - 130	
209 Bi	2996828.30	1.80	3108879.00	96.4	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\059SMPL.D\059SMPL.D#
 Date Acquired: Jul 1 2014 04:05 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: SH4413-013
 Misc Info: DILUTION 1.6/8
 Vial Number: 2306
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 5.00
 Autodil Factor: Undiluted
Final Dil Factor: 5.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	9.335	1.867	ppb	2.40	100.	
11 B	4.299	0.8598	ppb	6.58	1000.	
23 Na	1,596.	319.2	ppb	1.44	200000.	
25 Mg	36,730.	7,346.	ppb	0.78	200000.	
27 Al	724,500.	144,900.	ppb	0.45	200000.	
28 Si	2,821.	564.2	ppb	12.46	#VALUE!	
29 Si	1,213.5	242.7	ppb	39.46	10000.	
39 K	8,685.	1,737.	ppb	1.13	200000.	
43 Ca	13,695.	2,739.	ppb	2.37	#VALUE!	
44 Ca	11,485.	2,297.	ppb	1.73	200000.	
51 V	1,270.	254.	ppb	0.48	1000.	
52 Cr	151.8	30.36	ppb	0.56	1000.	
53 Cr	184.4	36.88	ppb	2.26	#VALUE!	
55 Mn	12,490.	2,498.	ppb	1.18	1000.	>LDR
56 Fe	485,000.	97,000.	ppb	0.98	#VALUE!	
57 Fe	461,250.	92,250.	ppb	1.28	100000.	
59 Co	220.05	44.01	ppb	1.01	1000.	
60 Ni	217.05	43.41	ppb	1.45	1000.	
63 Cu	685.5	137.1	ppb	1.06	#VALUE!	
65 Cu	692.	138.4	ppb	0.78	1000.	
66 Zn	843.5	168.7	ppb	0.42	1000.	
68 Zn	1,164.5	232.9	ppb	1.00	#VALUE!	
75 As	14.815	2.963	ppb	3.27	1000.	
82 Se	-1.1985	-0.2397	ppb	131.62	1000.	
88 Sr	965.5	193.1	ppb	1.04	1000.	
89 Y	----	-----	---		#VALUE!	
98 Mo	11.255	2.251	ppb	1.16	1000.	
107 Ag	0.751	0.1502	ppb	7.80	500.	
109 Ag	0.3206	0.0641	ppb	18.38	#VALUE!	
111 Cd	5.37	1.074	ppb	7.09	#VALUE!	
114 Cd	1.18	0.236	ppb	6.38	1000.	
115 In	----	-----	---		#VALUE!	
118 Sn	27.285	5.457	ppb	0.46	1000.	
120 Sn	26.685	5.337	ppb	2.11	#VALUE!	
121 Sb	0.6925	0.1385	ppb	1.79	#VALUE!	
123 Sb	0.703	0.1406	ppb	4.15	1000.	
135 Ba	11,610.	2,322.	ppb	1.86	1000.	>LDR
137 Ba	11,405.	2,281.	ppb	1.17	#VALUE!	
182 W	0.783	0.1566	ppb ---		#VALUE!	
203 Tl	1.6785	0.3357	ppb	5.08	1000.	
205 Tl	1.6605	0.3321	ppb	2.59	#VALUE!	
208 Pb	95.7	19.14	ppb	0.75	1000.	
232 Th	40.47	8.094	ppb	0.79	1000.	
238 U	10.14	2.028	ppb	2.15	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3256482.00	1.91	3225547.00	101.0	69.5 - 130	
45 Sc	2855062.50	1.26	2797225.50	102.1	69.5 - 130	
72 Ge	554039.63	0.99	598801.94	92.5	69.5 - 130	
159 Tb	4972874.50	0.96	5240202.50	94.9	69.5 - 130	
209 Bi	2813260.30	0.84	3108879.00	90.5	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

2 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Fail
 ISTD: Pass

CCV QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\060_CCV.D\060_CCV.D#
 Date Acquired: Jul 1 2014 04:09 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: CCV
 Misc Info:
 Vial Number: 1206
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Dilution Factor: 1.00
 QC Range (%): 89.5 - 110.5

QC Elements

Element	Conc.		RSD(%)	Expected	Rec (%)	Flag
9 Be	22.77	ppb	1.77	25	91.08	
11 B	23.	ppb	3.63	25	92	
23 Na	5,032.	ppb	0.69	5,000	100.64	
25 Mg	5,127.	ppb	0.71	5,000	102.54	
27 Al	527.9	ppb	1.44	500	105.58	
28 Si	460.1	ppb	2.18	500	92.02	
29 Si	1,018.	ppb	4.39	500	203.6	Fail
39 K	5,061.	ppb	0.97	5,000	101.22	
43 Ca	5,074.	ppb	1.71	5,000	101.48	
44 Ca	5,077.	ppb	0.56	5,000	101.54	
51 V	24.82	ppb	0.79	25	99.28	
52 Cr	25.28	ppb	0.45	25	101.12	
53 Cr	24.49	ppb	2.16	25	97.96	
55 Mn	25.19	ppb	1.28	25	100.76	
56 Fe	5,044.	ppb	1.59	5,000	100.88	
57 Fe	5,129.	ppb	0.47	5,000	102.58	
59 Co	25.35	ppb	0.67	25	101.4	
60 Ni	25.19	ppb	1.72	25	100.76	
63 Cu	25.17	ppb	0.53	25	100.68	
65 Cu	25.35	ppb	1.24	25	101.4	
66 Zn	25.31	ppb	0.42	25	101.24	
68 Zn	25.36	ppb	2.86	25	101.44	
75 As	24.94	ppb	0.93	25	99.76	
82 Se	25.17	ppb	1.81	25	100.68	
88 Sr	25.5	ppb	0.75	25	102	
89 Y	-----	---	-----	---	#VALUE!	
98 Mo	25.53	ppb	0.93	25	102.12	
107 Ag	26.03	ppb	1.02	25	104.12	
109 Ag	26.04	ppb	0.99	25	104.16	
111 Cd	26.46	ppb	0.69	25	105.84	
114 Cd	26.33	ppb	0.57	25	105.32	
115 In	-----	---	-----	---	#VALUE!	
118 Sn	24.28	ppb	0.85	25	97.12	
120 Sn	24.46	ppb	1.26	25	97.84	
121 Sb	24.59	ppb	1.00	25	98.36	
123 Sb	24.55	ppb	1.28	25	98.2	
135 Ba	24.48	ppb	0.20	25	97.92	
137 Ba	24.62	ppb	1.15	25	98.48	
182 W	25.31	ppb	1.01	25	101.24	
203 Tl	24.95	ppb	0.33	25	99.8	
205 Tl	25.02	ppb	0.48	25	100.08	
208 Pb	25.03	ppb	0.14	25	100.12	
232 Th	24.42	ppb	0.38	25	97.68	
238 U	24.65	ppb	1.08	25	98.6	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3240090.50	0.89	3225547.00	100.5	80 - 120.4	
45 Sc	2673115.50	0.29	2797225.50	95.6	80 - 120.4	
72 Ge	561296.38	0.83	598801.94	93.7	80 - 120.4	
159 Tb	5326718.50	0.69	5240202.50	101.7	80 - 120.4	
209 Bi	3140605.50	1.01	3108879.00	101.0	80 - 120.4	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

1 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Fail
 ISTD: Pass

CCB QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\061_CCB.D\061_CCB.D#
 Date Acquired: Jul 1 2014 04:12 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: CCB
 Misc Info:
 Vial Number: 1207
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: 6-CCB
 Dilution Factor: 1.00

QC Elements

Element	Conc.		RSD(%)	High Limit	Flag
9 Be	0.0024	ppb	40.71	1.00	
11 B	0.0396	ppb	130.84	1.00	
23 Na	-3.731	ppb	5.52	1.00	
25 Mg	0.6712	ppb	33.19	1.00	
27 Al	5.337	ppb	23.42	1.00	
28 Si	23.01	ppb	154.54	1.00	
29 Si	656.3	ppb	7.06	1.00	Fail
39 K	13.94	ppb	8.11	1.00	
43 Ca	-4.044	ppb	22.60	1.00	
44 Ca	-3.519	ppb	63.83	1.00	
51 V	-0.0557	ppb	80.25	1.00	
52 Cr	-0.0824	ppb	23.36	1.00	
53 Cr	-1.852	ppb	8.36	1.00	
55 Mn	0.1317	ppb	13.77	1.00	
56 Fe	0.525	ppb	435.43	1.00	
57 Fe	6.448	ppb	19.59	1.00	
59 Co	-0.0028	ppb	104.34	1.00	
60 Ni	-0.0072	ppb	72.35	1.00	
63 Cu	0.0068	ppb	166.17	1.00	
65 Cu	0.0418	ppb	11.92	1.00	
66 Zn	-0.0666	ppb	37.80	1.00	
68 Zn	0.0642	ppb	257.90	1.00	
75 As	0.0523	ppb	205.85	1.00	
82 Se	-0.1275	ppb	106.43	1.00	
88 Sr	0.0139	ppb	45.19	1.00	
89 Y	-----	---	-----	---	
98 Mo	0.0486	ppb	19.44	1.00	
107 Ag	0.0024	ppb	47.99	1.00	
109 Ag	0.0024	ppb	40.07	1.00	
111 Cd	0.076	ppb	34.48	1.00	
114 Cd	0.0005	ppb	1114.80	1.00	
115 In	-----	---	-----	---	
118 Sn	0.0537	ppb	34.50	1.00	
120 Sn	0.0504	ppb	21.48	1.00	
121 Sb	0.0091	ppb	30.79	1.00	
123 Sb	0.0136	ppb	44.82	1.00	
135 Ba	0.0699	ppb	6.72	1.00	
137 Ba	0.0692	ppb	40.33	1.00	
182 W	0.0952	ppb	6.32	1.00	
203 Tl	0.0037	ppb	97.63	1.00	
205 Tl	0.0053	ppb	56.75	1.00	
208 Pb	0.0072	ppb	129.40	1.00	
232 Th	0.0491	ppb	11.79	1.00	
238 U	0.0019	ppb	26.21	1.00	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3324336.50	0.44	3225547.00	103.1	79.5 - 120	
45 Sc	2679652.80	0.22	2797225.50	95.8	79.5 - 120	
72 Ge	566678.06	0.33	598801.94	94.6	79.5 - 120	
159 Tb	5398736.00	0.91	5240202.50	103.0	79.5 - 120	
209 Bi	3234421.30	0.43	3108879.00	104.0	79.5 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

1 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Fail
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\062SMPL.D\062SMPL.D#
 Date Acquired: Jul 1 2014 04:15 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: SH4413-015
 Misc Info: DILUTION 1.6/8
 Vial Number: 2307
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 5.00
 Autodil Factor: Undiluted
Final Dil Factor: 5.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	6.66	1.332	ppb	2.25	100.	
11 B	3.713	0.7426	ppb	3.06	1000.	
23 Na	1,188.5	237.7	ppb	0.69	200000.	
25 Mg	36,585.	7,317.	ppb	0.55	200000.	
27 Al	474,350.	94,870.	ppb	0.32	200000.	
28 Si	2,706.	541.2	ppb	3.07	#VALUE!	
29 Si	1,986.	397.2	ppb	37.16	10000.	
39 K	5,405.	1,081.	ppb	1.38	200000.	
43 Ca	9,895.	1,979.	ppb	1.41	#VALUE!	
44 Ca	8,600.	1,720.	ppb	0.74	200000.	
51 V	805.5	161.1	ppb	1.26	1000.	
52 Cr	107.5	21.5	ppb	0.78	1000.	
53 Cr	142.45	28.49	ppb	1.36	#VALUE!	
55 Mn	6,550.	1,310.	ppb	0.47	1000.	>LDR
56 Fe	323,550.	64,710.	ppb	0.96	#VALUE!	
57 Fe	309,100.	61,820.	ppb	0.41	100000.	
59 Co	166.8	33.36	ppb	0.79	1000.	
60 Ni	144.05	28.81	ppb	1.39	1000.	
63 Cu	463.1	92.62	ppb	0.18	#VALUE!	
65 Cu	468.85	93.77	ppb	0.39	1000.	
66 Zn	582.	116.4	ppb	0.04	1000.	
68 Zn	714.5	142.9	ppb	1.53	#VALUE!	
75 As	9.125	1.825	ppb	12.28	1000.	
82 Se	-1.5525	-0.3105	ppb	50.98	1000.	
88 Sr	516.	103.2	ppb	0.34	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	5.99	1.198	ppb	1.91	1000.	
107 Ag	0.5825	0.1165	ppb	2.43	500.	
109 Ag	0.2564	0.0513	ppb	23.84	#VALUE!	
111 Cd	3.8115	0.7623	ppb	3.12	#VALUE!	
114 Cd	0.8935	0.1787	ppb	12.46	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	24.49	4.898	ppb	1.92	1000.	
120 Sn	24.135	4.827	ppb	1.49	#VALUE!	
121 Sb	0.519	0.1038	ppb	8.40	#VALUE!	
123 Sb	0.552	0.1104	ppb	3.55	1000.	
135 Ba	4,918.	983.6	ppb	0.15	1000.	
137 Ba	4,966.	993.2	ppb	0.16	#VALUE!	
182 W	0.7605	0.1521	ppb ---		#VALUE!	
203 Tl	0.9085	0.1817	ppb	9.70	1000.	
205 Tl	0.8195	0.1639	ppb	9.31	#VALUE!	
208 Pb	67.6	13.52	ppb	0.24	1000.	
232 Th	26.325	5.265	ppb	0.95	1000.	
238 U	6.605	1.321	ppb	0.92	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3338930.30	0.83	3225547.00	103.5	69.5 - 130	
45 Sc	2876916.80	0.87	2797225.50	102.8	69.5 - 130	
72 Ge	570065.38	0.51	598801.94	95.2	69.5 - 130	
159 Tb	5194660.50	0.19	5240202.50	99.1	69.5 - 130	
209 Bi	2938704.30	0.32	3108879.00	94.5	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

1 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Fail
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\063SMPL.D\063SMPL.D#
 Date Acquired: Jul 1 2014 04:19 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: SH4413-017
 Misc Info: DILUTION 1.6/8
 Vial Number: 2308
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 5.00
 Autodil Factor: Undiluted
Final Dil Factor: 5.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	3.894	0.7788	ppb	1.18	100.	
11 B	7.33	1.466	ppb	7.67	1000.	
23 Na	926.5	185.3	ppb	3.17	200000.	
25 Mg	6,335.	1,267.	ppb	3.14	200000.	
27 Al	395,950.	79,190.	ppb	0.71	200000.	
28 Si	3,822.	764.4	ppb	1.38	#VALUE!	
29 Si	4,285.	857.	ppb	14.73	10000.	
39 K	4,309.5	861.9	ppb	1.57	200000.	
43 Ca	5,730.	1,146.	ppb	0.19	#VALUE!	
44 Ca	5,020.	1,004.	ppb	0.86	200000.	
51 V	786.	157.2	ppb	0.41	1000.	
52 Cr	195.65	39.13	ppb	0.31	1000.	
53 Cr	231.05	46.21	ppb	1.08	#VALUE!	
55 Mn	1,782.5	356.5	ppb	0.23	1000.	
56 Fe	195,800.	39,160.	ppb	0.55	#VALUE!	
57 Fe	186,350.	37,270.	ppb	0.53	100000.	
59 Co	78.15	15.63	ppb	1.22	1000.	
60 Ni	145.8	29.16	ppb	0.62	1000.	
63 Cu	319.4	63.88	ppb	0.55	#VALUE!	
65 Cu	322.25	64.45	ppb	0.22	1000.	
66 Zn	588.5	117.7	ppb	1.06	1000.	
68 Zn	655.5	131.1	ppb	0.55	#VALUE!	
75 As	21.55	4.31	ppb	5.04	1000.	
82 Se	3.7315	0.7463	ppb	33.12	1000.	
88 Sr	158.55	31.71	ppb	0.28	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	14.945	2.989	ppb	1.94	1000.	
107 Ag	4.261	0.8522	ppb	0.69	500.	
109 Ag	4.069	0.8138	ppb	2.29	#VALUE!	
111 Cd	3.0135	0.6027	ppb	6.01	#VALUE!	
114 Cd	1.1445	0.2289	ppb	3.34	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	26.485	5.297	ppb	2.53	1000.	
120 Sn	26.38	5.276	ppb	1.25	#VALUE!	
121 Sb	1.8935	0.3787	ppb	5.17	#VALUE!	
123 Sb	1.8885	0.3777	ppb	1.78	1000.	
135 Ba	2,737.	547.4	ppb	0.61	1000.	
137 Ba	2,747.	549.4	ppb	0.41	#VALUE!	
182 W	1.4795	0.2959	ppb ---		#VALUE!	
203 Tl	2.538	0.5076	ppb	3.31	1000.	
205 Tl	2.464	0.4928	ppb	4.14	#VALUE!	
208 Pb	144.95	28.99	ppb	0.58	1000.	
232 Th	47.425	9.485	ppb	0.35	1000.	
238 U	13.865	2.773	ppb	1.30	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3361602.30	1.19	3225547.00	104.2	69.5 - 130	
45 Sc	2831100.30	1.46	2797225.50	101.2	69.5 - 130	
72 Ge	572211.25	0.77	598801.94	95.6	69.5 - 130	
159 Tb	5312641.50	0.83	5240202.50	101.4	69.5 - 130	
209 Bi	3030661.80	1.02	3108879.00	97.5	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\064SMPL.D\064SMPL.D#
 Date Acquired: Jul 1 2014 04:23 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: SH4522-002
 Misc Info: DILUTION 1.6/8
 Vial Number: 2309
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 5.00
 Autodil Factor: Undiluted
Final Dil Factor: 5.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	4.7265	0.9453	ppb	1.03	100.	
11 B	27.395	5.479	ppb	2.61	1000.	
23 Na	1,555.5	311.1	ppb	0.62	200000.	
25 Mg	76,200.	15,240.	ppb	0.52	200000.	
27 Al	149,800.	29,960.	ppb	0.96	200000.	
28 Si	2,037.	407.4	ppb	8.19	#VALUE!	
29 Si	1,751.5	350.3	ppb	13.83	10000.	
39 K	13,745.	2,749.	ppb	0.77	200000.	
43 Ca	31,135.	6,227.	ppb	1.98	#VALUE!	
44 Ca	30,550.	6,110.	ppb	1.11	200000.	
51 V	361.55	72.31	ppb	0.23	1000.	
52 Cr	283.6	56.72	ppb	0.18	1000.	
53 Cr	324.4	64.88	ppb	1.03	#VALUE!	
55 Mn	4,460.5	892.1	ppb	1.14	1000.	
56 Fe	257,950.	51,590.	ppb	0.91	#VALUE!	
57 Fe	244,850.	48,970.	ppb	0.99	100000.	
59 Co	109.4	21.88	ppb	1.83	1000.	
60 Ni	256.85	51.37	ppb	0.93	1000.	
63 Cu	208.	41.6	ppb	0.39	#VALUE!	
65 Cu	208.5	41.7	ppb	0.38	1000.	
66 Zn	556.	111.2	ppb	0.83	1000.	
68 Zn	542.5	108.5	ppb	0.36	#VALUE!	
75 As	81.75	16.35	ppb	1.34	1000.	
82 Se	2.9565	0.5913	ppb	13.59	1000.	
88 Sr	113.9	22.78	ppb	1.01	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	3.8835	0.7767	ppb	1.24	1000.	
107 Ag	0.787	0.1574	ppb	5.16	500.	
109 Ag	0.741	0.1482	ppb	5.80	#VALUE!	
111 Cd	2.5695	0.5139	ppb	14.62	#VALUE!	
114 Cd	0.782	0.1564	ppb	8.13	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	25.915	5.183	ppb	2.55	1000.	
120 Sn	26.06	5.212	ppb	0.87	#VALUE!	
121 Sb	1.1385	0.2277	ppb	2.17	#VALUE!	
123 Sb	1.2075	0.2415	ppb	12.17	1000.	
135 Ba	294.05	58.81	ppb	1.11	1000.	
137 Ba	293.95	58.79	ppb	0.64	#VALUE!	
182 W	1.542	0.3084	ppb ---		#VALUE!	
203 Tl	0.8135	0.1627	ppb	12.13	1000.	
205 Tl	0.8295	0.1659	ppb	3.74	#VALUE!	
208 Pb	99.1	19.82	ppb	1.01	1000.	
232 Th	47.67	9.534	ppb	1.01	1000.	
238 U	6.7	1.34	ppb	0.34	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3310965.80	0.81	3225547.00	102.6	69.5 - 130	
45 Sc	2715707.50	1.25	2797225.50	97.1	69.5 - 130	
72 Ge	558870.44	0.72	598801.94	93.3	69.5 - 130	
159 Tb	5057101.00	0.53	5240202.50	96.5	69.5 - 130	
209 Bi	2910431.80	1.16	3108879.00	93.6	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\065SMPL.D\065SMPL.D#
 Date Acquired: Jul 1 2014 04:26 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: SH4522-005
 Misc Info: DILUTION 1.6/8
 Vial Number: 2310
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 5.00
 Autodil Factor: Undiluted
Final Dil Factor: 5.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	3.259	0.6518	ppb	4.67	100.	
11 B	15.965	3.193	ppb	1.68	1000.	
23 Na	1,002.	200.4	ppb	1.13	200000.	
25 Mg	41,705.	8,341.	ppb	1.06	200000.	
27 Al	150,400.	30,080.	ppb	0.93	200000.	
28 Si	3,086.	617.2	ppb	2.95	#VALUE!	
29 Si	2,942.5	588.5	ppb	18.37	10000.	
39 K	7,515.	1,503.	ppb	0.96	200000.	
43 Ca	38,050.	7,610.	ppb	0.94	#VALUE!	
44 Ca	37,945.	7,589.	ppb	0.90	200000.	
51 V	284.95	56.99	ppb	0.43	1000.	
52 Cr	205.75	41.15	ppb	0.45	1000.	
53 Cr	245.35	49.07	ppb	1.31	#VALUE!	
55 Mn	2,673.	534.6	ppb	0.88	1000.	
56 Fe	170,000.	34,000.	ppb	0.47	#VALUE!	
57 Fe	162,200.	32,440.	ppb	0.50	100000.	
59 Co	51.75	10.35	ppb	0.49	1000.	
60 Ni	132.3	26.46	ppb	1.03	1000.	
63 Cu	76.65	15.33	ppb	0.98	#VALUE!	
65 Cu	77.35	15.47	ppb	0.42	1000.	
66 Zn	401.6	80.32	ppb	0.95	1000.	
68 Zn	397.2	79.44	ppb	0.77	#VALUE!	
75 As	98.8	19.76	ppb	0.34	1000.	
82 Se	7.27	1.454	ppb	17.77	1000.	
88 Sr	82.95	16.59	ppb	1.08	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	3.52	0.704	ppb	4.39	1000.	
107 Ag	0.4789	0.0958	ppb	10.73	500.	
109 Ag	0.4708	0.0942	ppb	6.87	#VALUE!	
111 Cd	1.7745	0.3549	ppb	10.66	#VALUE!	
114 Cd	0.998	0.1996	ppb	5.03	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	25.365	5.073	ppb	1.22	1000.	
120 Sn	24.91	4.982	ppb	0.30	#VALUE!	
121 Sb	1.139	0.2278	ppb	2.18	#VALUE!	
123 Sb	1.1755	0.2351	ppb	5.19	1000.	
135 Ba	258.8	51.76	ppb	1.01	1000.	
137 Ba	259.95	51.99	ppb	1.65	#VALUE!	
182 W	1.891	0.3782	ppb ---		#VALUE!	
203 Tl	1.103	0.2206	ppb	7.48	1000.	
205 Tl	1.152	0.2304	ppb	3.04	#VALUE!	
208 Pb	112.3	22.46	ppb	0.27	1000.	
232 Th	33.66	6.732	ppb	1.12	1000.	
238 U	5.505	1.101	ppb	1.82	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3306045.30	1.11	3225547.00	102.5	69.5 - 130	
45 Sc	2727094.50	0.64	2797225.50	97.5	69.5 - 130	
72 Ge	566876.06	0.25	598801.94	94.7	69.5 - 130	
159 Tb	5133571.00	0.75	5240202.50	98.0	69.5 - 130	
209 Bi	2984305.30	0.63	3108879.00	96.0	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\066SMPL.D\066SMPL.D#
 Date Acquired: Jul 1 2014 04:30 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: SH4522-007
 Misc Info: DILUTION 1.6/8
 Vial Number: 2311
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 5.00
 Autodil Factor: Undiluted
Final Dil Factor: 5.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	0.819	0.1638	ppb	3.61	100.	
11 B	17.535	3.507	ppb	0.77	1000.	
23 Na	641.5	128.3	ppb	0.62	200000.	
25 Mg	10,635.	2,127.	ppb	1.29	200000.	
27 Al	22,655.	4,531.	ppb	1.61	200000.	
28 Si	1,633.	326.6	ppb	1.99	#VALUE!	
29 Si	2,703.5	540.7	ppb	14.10	10000.	
39 K	3,082.5	616.5	ppb	2.14	200000.	
43 Ca	80,550.	16,110.	ppb	1.33	#VALUE!	
44 Ca	78,450.	15,690.	ppb	1.41	200000.	
51 V	57.9	11.58	ppb	0.58	1000.	
52 Cr	54.05	10.81	ppb	0.67	1000.	
53 Cr	88.15	17.63	ppb	2.85	#VALUE!	
55 Mn	1,934.	386.8	ppb	1.00	1000.	
56 Fe	43,265.	8,653.	ppb	1.59	#VALUE!	
57 Fe	43,570.	8,714.	ppb	1.59	100000.	
59 Co	17.54	3.508	ppb	2.89	1000.	
60 Ni	46.675	9.335	ppb	0.83	1000.	
63 Cu	276.	55.2	ppb	1.44	#VALUE!	
65 Cu	278.95	55.79	ppb	1.08	1000.	
66 Zn	532.5	106.5	ppb	1.33	1000.	
68 Zn	523.5	104.7	ppb	0.63	#VALUE!	
75 As	20.415	4.083	ppb	1.68	1000.	
82 Se	2.964	0.5928	ppb	35.34	1000.	
88 Sr	138.45	27.69	ppb	1.16	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	6.73	1.346	ppb	0.55	1000.	
107 Ag	4.5125	0.9025	ppb	0.66	500.	
109 Ag	4.676	0.9352	ppb	3.76	#VALUE!	
111 Cd	1.9	0.38	ppb	6.88	#VALUE!	
114 Cd	1.7295	0.3459	ppb	2.89	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	35.54	7.108	ppb	2.23	1000.	
120 Sn	35.51	7.102	ppb	1.50	#VALUE!	
121 Sb	1.816	0.3632	ppb	4.37	#VALUE!	
123 Sb	1.7135	0.3427	ppb	4.26	1000.	
135 Ba	242.6	48.52	ppb	1.03	1000.	
137 Ba	245.95	49.19	ppb	0.85	#VALUE!	
182 W	3.7205	0.7441	ppb ---		#VALUE!	
203 Tl	0.227	0.0454	ppb	19.40	1000.	
205 Tl	0.2216	0.0443	ppb	7.83	#VALUE!	
208 Pb	50.7	10.14	ppb	1.09	1000.	
232 Th	4.6325	0.9265	ppb	0.86	1000.	
238 U	5.195	1.039	ppb	1.03	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3256866.80	1.12	3225547.00	101.0	69.5 - 130	
45 Sc	2729544.80	1.11	2797225.50	97.6	69.5 - 130	
72 Ge	569093.13	0.94	598801.94	95.0	69.5 - 130	
159 Tb	5250273.50	1.27	5240202.50	100.2	69.5 - 130	
209 Bi	3158444.30	0.72	3108879.00	101.6	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\067SMPL.D\067SMPL.D#
 Date Acquired: Jul 1 2014 04:33 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: SH4522-008
 Misc Info: DILUTION 1.6/8
 Vial Number: 2312
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 5.00
 Autodil Factor: Undiluted
Final Dil Factor: 5.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	1.086	0.2172	ppb	7.58	100.	
11 B	21.36	4.272	ppb	4.98	1000.	
23 Na	1,185.	237.	ppb	1.02	200000.	
25 Mg	14,870.	2,974.	ppb	0.17	200000.	
27 Al	31,240.	6,248.	ppb	1.33	200000.	
28 Si	2,280.5	456.1	ppb	7.38	#VALUE!	
29 Si	3,119.5	623.9	ppb	9.82	10000.	
39 K	4,297.5	859.5	ppb	0.95	200000.	
43 Ca	126,050.	25,210.	ppb	0.97	#VALUE!	
44 Ca	120,950.	24,190.	ppb	1.18	200000.	
51 V	74.65	14.93	ppb	1.90	1000.	
52 Cr	71.05	14.21	ppb	0.98	1000.	
53 Cr	112.2	22.44	ppb	0.74	#VALUE!	
55 Mn	1,718.5	343.7	ppb	0.84	1000.	
56 Fe	48,945.	9,789.	ppb	0.26	#VALUE!	
57 Fe	49,035.	9,807.	ppb	1.03	100000.	
59 Co	19.915	3.983	ppb	2.93	1000.	
60 Ni	65.65	13.13	ppb	1.02	1000.	
63 Cu	421.75	84.35	ppb	0.49	#VALUE!	
65 Cu	422.85	84.57	ppb	0.74	1000.	
66 Zn	710.5	142.1	ppb	0.61	1000.	
68 Zn	696.	139.2	ppb	0.60	#VALUE!	
75 As	22.25	4.45	ppb	5.00	1000.	
82 Se	4.19	0.838	ppb	28.99	1000.	
88 Sr	199.8	39.96	ppb	0.35	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	8.255	1.651	ppb	1.81	1000.	
107 Ag	10.105	2.021	ppb	0.73	500.	
109 Ag	10.12	2.024	ppb	3.58	#VALUE!	
111 Cd	2.8405	0.5681	ppb	9.90	#VALUE!	
114 Cd	2.555	0.511	ppb	2.52	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	40.505	8.101	ppb	1.04	1000.	
120 Sn	41.355	8.271	ppb	0.44	#VALUE!	
121 Sb	2.4395	0.4879	ppb	1.77	#VALUE!	
123 Sb	2.373	0.4746	ppb	1.63	1000.	
135 Ba	346.5	69.3	ppb	0.53	1000.	
137 Ba	349.9	69.98	ppb	0.94	#VALUE!	
182 W	5.725	1.145	ppb ---		#VALUE!	
203 Tl	0.2962	0.0592	ppb	8.79	1000.	
205 Tl	0.2921	0.0584	ppb	6.35	#VALUE!	
208 Pb	74.85	14.97	ppb	0.81	1000.	
232 Th	4.623	0.9246	ppb	1.78	1000.	
238 U	7.27	1.454	ppb	0.81	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3207855.30	2.46	3225547.00	99.5	69.5 - 130	
45 Sc	2668201.00	0.77	2797225.50	95.4	69.5 - 130	
72 Ge	557620.00	0.56	598801.94	93.1	69.5 - 130	
159 Tb	5148708.50	0.71	5240202.50	98.3	69.5 - 130	
209 Bi	3107849.50	0.66	3108879.00	100.0	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\068SMPL.D\068SMPL.D#
 Date Acquired: Jul 1 2014 04:37 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: SH4522-009
 Misc Info: DILUTION 1.6/8
 Vial Number: 2401
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 5.00
 Autodil Factor: Undiluted
Final Dil Factor: 5.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	2.7325	0.5465	ppb	5.16	100.	
11 B	15.965	3.193	ppb	2.10	1000.	
23 Na	947.	189.4	ppb	0.64	200000.	
25 Mg	36,990.	7,398.	ppb	0.47	200000.	
27 Al	81,650.	16,330.	ppb	1.61	200000.	
28 Si	2,435.5	487.1	ppb	7.91	#VALUE!	
29 Si	2,648.	529.6	ppb	35.80	10000.	
39 K	6,555.	1,311.	ppb	1.13	200000.	
43 Ca	54,650.	10,930.	ppb	1.02	#VALUE!	
44 Ca	54,250.	10,850.	ppb	1.43	200000.	
51 V	205.2	41.04	ppb	1.36	1000.	
52 Cr	158.8	31.76	ppb	0.50	1000.	
53 Cr	200.1	40.02	ppb	1.00	#VALUE!	
55 Mn	2,771.5	554.3	ppb	0.96	1000.	
56 Fe	134,450.	26,890.	ppb	1.79	#VALUE!	
57 Fe	128,800.	25,760.	ppb	0.88	100000.	
59 Co	67.45	13.49	ppb	0.64	1000.	
60 Ni	145.1	29.02	ppb	1.08	1000.	
63 Cu	257.35	51.47	ppb	1.47	#VALUE!	
65 Cu	259.9	51.98	ppb	0.58	1000.	
66 Zn	504.5	100.9	ppb	1.04	1000.	
68 Zn	493.2	98.64	ppb	0.77	#VALUE!	
75 As	56.5	11.3	ppb	3.02	1000.	
82 Se	3.445	0.689	ppb	48.80	1000.	
88 Sr	111.1	22.22	ppb	1.20	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	5.7	1.14	ppb	2.34	1000.	
107 Ag	2.264	0.4528	ppb	3.92	500.	
109 Ag	2.3065	0.4613	ppb	5.53	#VALUE!	
111 Cd	1.942	0.3884	ppb	7.02	#VALUE!	
114 Cd	1.312	0.2624	ppb	1.90	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	28.58	5.716	ppb	1.44	1000.	
120 Sn	28.465	5.693	ppb	0.34	#VALUE!	
121 Sb	1.0595	0.2119	ppb	5.79	#VALUE!	
123 Sb	1.158	0.2316	ppb	9.37	1000.	
135 Ba	260.7	52.14	ppb	0.85	1000.	
137 Ba	264.25	52.85	ppb	0.64	#VALUE!	
182 W	2.256	0.4512	ppb ---		#VALUE!	
203 Tl	0.534	0.1068	ppb	15.01	1000.	
205 Tl	0.5255	0.1051	ppb	1.40	#VALUE!	
208 Pb	87.1	17.42	ppb	1.91	1000.	
232 Th	21.335	4.267	ppb	3.21	1000.	
238 U	5.695	1.139	ppb	2.56	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3214177.80	0.68	3225547.00	99.6	69.5 - 130	
45 Sc	2760955.50	0.55	2797225.50	98.7	69.5 - 130	
72 Ge	571918.75	0.54	598801.94	95.5	69.5 - 130	
159 Tb	5172443.50	0.43	5240202.50	98.7	69.5 - 130	
209 Bi	2989454.00	1.34	3108879.00	96.2	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\069SMPL.D\069SMPL.D#
 Date Acquired: Jul 1 2014 04:40 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: SH4256-007
 Misc Info: DILUTION 1.6/8
 Vial Number: 2402
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 5.00
 Autodil Factor: Undiluted
Final Dil Factor: 5.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	0.014	0.0028	ppb	43.37	100.	
11 B	1.578	0.3156	ppb	21.07	1000.	
23 Na	4,246.	849.2	ppb	0.72	200000.	
25 Mg	505.	101.	ppb	2.80	200000.	
27 Al	107.2	21.44	ppb	0.80	200000.	
28 Si	4,150.5	830.1	ppb	2.79	#VALUE!	
29 Si	4,657.	931.4	ppb	9.41	10000.	
39 K	690.5	138.1	ppb	2.79	200000.	
43 Ca	2,052.	410.4	ppb	3.80	#VALUE!	
44 Ca	2,052.5	410.5	ppb	1.33	200000.	
51 V	1.042	0.2084	ppb	20.69	1000.	
52 Cr	0.9925	0.1985	ppb	5.65	1000.	
53 Cr	39.6	7.92	ppb	3.97	#VALUE!	
55 Mn	17.355	3.471	ppb	2.74	1000.	
56 Fe	427.5	85.5	ppb	4.15	#VALUE!	
57 Fe	398.55	79.71	ppb	2.90	100000.	
59 Co	0.1804	0.0361	ppb	28.17	1000.	
60 Ni	0.4737	0.0947	ppb	14.74	1000.	
63 Cu	0.777	0.1554	ppb	11.25	#VALUE!	
65 Cu	0.746	0.1492	ppb	15.72	1000.	
66 Zn	5.76	1.152	ppb	6.97	1000.	
68 Zn	8.68	1.736	ppb	4.12	#VALUE!	
75 As	0.0675	0.0135	ppb	506.38	1000.	
82 Se	-0.0716	-0.0143	ppb	373.65	1000.	
88 Sr	15.89	3.178	ppb	3.14	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	0.2052	0.041	ppb	26.44	1000.	
107 Ag	0.0171	0.0034	ppb	66.49	500.	
109 Ag	0.0119	0.0024	ppb	110.28	#VALUE!	
111 Cd	-0.3746	-0.0749	ppb	35.79	#VALUE!	
114 Cd	0.0736	0.0147	ppb	27.26	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	0.154	0.0308	ppb	31.24	1000.	
120 Sn	0.1851	0.037	ppb	10.75	#VALUE!	
121 Sb	0.0477	0.0095	ppb	51.45	#VALUE!	
123 Sb	0.059	0.0118	ppb	29.80	1000.	
135 Ba	42.54	8.508	ppb	1.30	1000.	
137 Ba	43.175	8.635	ppb	4.04	#VALUE!	
182 W	0.0295	0.0059	ppb ---		#VALUE!	
203 Tl	0.0188	0.0038	ppb	34.35	1000.	
205 Tl	0.0026	0.0005	ppb	98.31	#VALUE!	
208 Pb	0.1085	0.0217	ppb	20.71	1000.	
232 Th	0.1315	0.0263	ppb	22.53	1000.	
238 U	0.0044	0.0009	ppb	105.02	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3180955.00	0.77	3225547.00	98.6	69.5 - 130	
45 Sc	2713853.80	1.56	2797225.50	97.0	69.5 - 130	
72 Ge	579033.88	1.37	598801.94	96.7	69.5 - 130	
159 Tb	5204468.50	0.93	5240202.50	99.3	69.5 - 130	
209 Bi	3054103.80	1.20	3108879.00	98.2	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\070SMPL.D\070SMPL.D#
 Date Acquired: Jul 1 2014 04:44 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: PBWHF20IMW2
 Misc Info: DILUTION 1.6/8
 Vial Number: 2403
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 5.00
 Autodil Factor: Undiluted
Final Dil Factor: 5.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	0.0034	0.0007	ppb	160.79	100.	
11 B	-0.3607	-0.0721	ppb	101.32	1000.	
23 Na	4.102	0.8204	ppb	36.73	200000.	
25 Mg	5.54	1.108	ppb	2.52	200000.	
27 Al	7.895	1.579	ppb	1.60	200000.	
28 Si	110.	22.	ppb	259.82	#VALUE!	
29 Si	702.5	140.5	ppb	68.47	10000.	
39 K	18.31	3.662	ppb	38.80	200000.	
43 Ca	62.	12.4	ppb	6.13	#VALUE!	
44 Ca	21.105	4.221	ppb	72.71	200000.	
51 V	0.3381	0.0676	ppb	90.03	1000.	
52 Cr	0.7365	0.1473	ppb	16.36	1000.	
53 Cr	33.87	6.774	ppb	5.73	#VALUE!	
55 Mn	0.5705	0.1141	ppb	12.81	1000.	
56 Fe	36.625	7.325	ppb	32.51	#VALUE!	
57 Fe	13.945	2.789	ppb	48.33	100000.	
59 Co	-0.0214	-0.0043	ppb	51.39	1000.	
60 Ni	0.0405	0.0081	ppb	113.10	1000.	
63 Cu	0.4053	0.0811	ppb	8.20	#VALUE!	
65 Cu	0.3195	0.0639	ppb	23.78	1000.	
66 Zn	1.061	0.2122	ppb	26.59	1000.	
68 Zn	3.832	0.7664	ppb	6.93	#VALUE!	
75 As	-0.0496	-0.0099	ppb	716.10	1000.	
82 Se	-0.1366	-0.0273	ppb	801.17	1000.	
88 Sr	0.076	0.0152	ppb	21.57	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	0.0296	0.0059	ppb	81.88	1000.	
107 Ag	-0.0009	-0.0002	ppb	1382.40	500.	
109 Ag	-0.0023	-0.0005	ppb	420.83	#VALUE!	
111 Cd	0.0339	0.0068	ppb	220.34	#VALUE!	
114 Cd	0.0878	0.0176	ppb	8.22	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	0.2216	0.0443	ppb	4.84	1000.	
120 Sn	0.1935	0.0387	ppb	5.31	#VALUE!	
121 Sb	0.0064	0.0013	ppb	288.26	#VALUE!	
123 Sb	0.01	0.002	ppb	292.99	1000.	
135 Ba	1.542	0.3084	ppb	6.29	1000.	
137 Ba	1.375	0.275	ppb	10.68	#VALUE!	
182 W	0.034	0.0068	ppb ---		#VALUE!	
203 Tl	-0.0044	-0.0009	ppb	132.55	1000.	
205 Tl	0.0028	0.0006	ppb	214.56	#VALUE!	
208 Pb	0.0596	0.0119	ppb	73.72	1000.	
232 Th	0.0706	0.0141	ppb	3.63	1000.	
238 U	-0.0001	0.	ppb	7278.60	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3236406.80	0.65	3225547.00	100.3	69.5 - 130	
45 Sc	2725336.00	0.91	2797225.50	97.4	69.5 - 130	
72 Ge	572268.44	0.66	598801.94	95.6	69.5 - 130	
159 Tb	5190990.00	0.92	5240202.50	99.1	69.5 - 130	
209 Bi	3027557.30	0.75	3108879.00	97.4	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\071SMPL.D\071SMPL.D#
 Date Acquired: Jul 1 2014 04:47 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: LCSWHF20IMW2
 Misc Info: DILUTION 1.6/8
 Vial Number: 2404
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 5.00
 Autodil Factor: Undiluted
Final Dil Factor: 5.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	44.955	8.991	ppb	1.56	100.	
11 B	459.7	91.94	ppb	2.47	1000.	
23 Na	7,295.	1,459.	ppb	3.31	200000.	
25 Mg	5,155.	1,031.	ppb	3.23	200000.	
27 Al	2,088.5	417.7	ppb	2.10	200000.	
28 Si	4,984.5	996.9	ppb	8.35	#VALUE!	
29 Si	4,121.	824.2	ppb	17.57	10000.	
39 K	10,030.	2,006.	ppb	3.29	200000.	
43 Ca	2,918.5	583.7	ppb	4.13	#VALUE!	
44 Ca	2,224.	444.8	ppb	2.79	200000.	
51 V	505.5	101.1	ppb	3.31	1000.	
52 Cr	199.5	39.9	ppb	2.62	1000.	
53 Cr	236.9	47.38	ppb	2.87	#VALUE!	
55 Mn	507.5	101.5	ppb	3.22	1000.	
56 Fe	1,062.	212.4	ppb	3.06	#VALUE!	
57 Fe	1,000.	200.	ppb	2.82	100000.	
59 Co	512.	102.4	ppb	3.18	1000.	
60 Ni	512.5	102.5	ppb	3.10	1000.	
63 Cu	249.9	49.98	ppb	2.63	#VALUE!	
65 Cu	251.25	50.25	ppb	3.16	1000.	
66 Zn	492.6	98.52	ppb	2.74	1000.	
68 Zn	541.5	108.3	ppb	3.86	#VALUE!	
75 As	99.25	19.85	ppb	2.38	1000.	
82 Se	97.3	19.46	ppb	1.99	1000.	
88 Sr	514.5	102.9	ppb	2.40	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	304.5	60.9	ppb	2.67	1000.	
107 Ag	50.6	10.12	ppb	3.62	500.	
109 Ag	50.7	10.14	ppb	2.64	#VALUE!	
111 Cd	251.3	50.26	ppb	2.54	#VALUE!	
114 Cd	253.6	50.72	ppb	2.83	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	502.5	100.5	ppb	1.34	1000.	
120 Sn	501.5	100.3	ppb	1.30	#VALUE!	
121 Sb	100.	20.	ppb	0.94	#VALUE!	
123 Sb	99.65	19.93	ppb	1.19	1000.	
135 Ba	1,972.	394.4	ppb	1.62	1000.	
137 Ba	1,982.5	396.5	ppb	1.49	#VALUE!	
182 W	105.3	21.06	ppb ---		#VALUE!	
203 Tl	94.85	18.97	ppb	2.69	1000.	
205 Tl	94.35	18.87	ppb	2.60	#VALUE!	
208 Pb	100.6	20.12	ppb	3.07	1000.	
232 Th	0.1828	0.0366	ppb	4.92	1000.	
238 U	91.1	18.22	ppb	2.28	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3325079.80	1.82	3225547.00	103.1	69.5 - 130	
45 Sc	2773854.50	2.73	2797225.50	99.2	69.5 - 130	
72 Ge	575304.38	2.65	598801.94	96.1	69.5 - 130	
159 Tb	5227085.50	1.06	5240202.50	99.7	69.5 - 130	
209 Bi	3045021.50	2.18	3108879.00	97.9	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

CCV QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\072_CCV.D\072_CCV.D#
 Date Acquired: Jul 1 2014 04:51 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: CCV
 Misc Info:
 Vial Number: 1206
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Dilution Factor: 1.00
 QC Range (%): 89.5 - 110.5

QC Elements

Element	Conc.		RSD(%)	Expected	Rec (%)	Flag
9 Be	22.47	ppb	2.77	25	89.88	
11 B	24.51	ppb	1.77	25	98.04	
23 Na	4,970.	ppb	0.19	5,000	99.4	
25 Mg	5,066.	ppb	0.27	5,000	101.32	
27 Al	516.1	ppb	2.00	500	103.22	
28 Si	643.3	ppb	3.45	500	128.66	
29 Si	872.3	ppb	6.23	500	174.46	Fail
39 K	5,027.	ppb	1.71	5,000	100.54	
43 Ca	5,077.	ppb	4.06	5,000	101.54	
44 Ca	5,117.	ppb	1.89	5,000	102.34	
51 V	25.07	ppb	1.14	25	100.28	
52 Cr	25.05	ppb	0.45	25	100.2	
53 Cr	24.69	ppb	2.34	25	98.76	
55 Mn	25.19	ppb	1.60	25	100.76	
56 Fe	5,095.	ppb	0.79	5,000	101.9	
57 Fe	5,099.	ppb	1.67	5,000	101.98	
59 Co	25.12	ppb	1.46	25	100.48	
60 Ni	25.14	ppb	0.15	25	100.56	
63 Cu	24.89	ppb	1.34	25	99.56	
65 Cu	25.29	ppb	1.75	25	101.16	
66 Zn	25.2	ppb	0.93	25	100.8	
68 Zn	25.29	ppb	0.64	25	101.16	
75 As	25.06	ppb	1.82	25	100.24	
82 Se	25.6	ppb	0.37	25	102.4	
88 Sr	25.73	ppb	1.21	25	102.92	
89 Y	-----	---	-----	---	#VALUE!	
98 Mo	25.65	ppb	1.32	25	102.6	
107 Ag	26.11	ppb	0.90	25	104.44	
109 Ag	26.21	ppb	0.96	25	104.84	
111 Cd	25.94	ppb	1.75	25	103.76	
114 Cd	26.	ppb	0.90	25	104	
115 In	-----	---	-----	---	#VALUE!	
118 Sn	24.85	ppb	1.23	25	99.4	
120 Sn	24.86	ppb	2.52	25	99.44	
121 Sb	24.98	ppb	1.98	25	99.92	
123 Sb	24.89	ppb	1.74	25	99.56	
135 Ba	24.78	ppb	1.44	25	99.12	
137 Ba	24.85	ppb	2.56	25	99.4	
182 W	24.68	ppb	1.45	25	98.72	
203 Tl	24.92	ppb	1.09	25	99.68	
205 Tl	24.78	ppb	0.82	25	99.12	
208 Pb	24.7	ppb	0.51	25	98.8	
232 Th	24.08	ppb	0.75	25	96.32	
238 U	23.75	ppb	1.62	25	95	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3172074.00	1.41	3225547.00	98.3	80 - 120.4	
45 Sc	2735524.80	1.67	2797225.50	97.8	80 - 120.4	
72 Ge	575709.25	1.20	598801.94	96.1	80 - 120.4	
159 Tb	5380825.50	1.96	5240202.50	102.7	80 - 120.4	
209 Bi	3133328.00	0.41	3108879.00	100.8	80 - 120.4	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

1 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Fail
 ISTD: Pass

CCB QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\073_CCB.D\073_CCB.D#
 Date Acquired: Jul 1 2014 04:54 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: CCB
 Misc Info:
 Vial Number: 1207
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: 6-CCB
 Dilution Factor: 1.00

QC Elements

Element	Conc.		RSD(%)	High Limit	Flag
9 Be	0.0019	ppb	82.36	1.00	
11 B	0.3346	ppb	50.12	1.00	
23 Na	-3.822	ppb	3.08	1.00	
25 Mg	0.2806	ppb	68.00	1.00	
27 Al	0.045	ppb	58.44	1.00	
28 Si	51.55	ppb	43.92	1.00	
29 Si	256.9	ppb	51.11	1.00	Fail
39 K	3.253	ppb	71.41	1.00	
43 Ca	1.2	ppb	208.75	1.00	
44 Ca	-1.808	ppb	95.63	1.00	
51 V	0.062	ppb	93.37	1.00	
52 Cr	-0.0361	ppb	23.13	1.00	
53 Cr	-1.382	ppb	9.96	1.00	
55 Mn	-0.0011	ppb	737.77	1.00	
56 Fe	0.5136	ppb	298.48	1.00	
57 Fe	-0.2334	ppb	1492.30	1.00	
59 Co	-0.0015	ppb	278.35	1.00	
60 Ni	-0.0002	ppb	3327.50	1.00	
63 Cu	-0.0055	ppb	215.94	1.00	
65 Cu	-0.0052	ppb	115.98	1.00	
66 Zn	-0.0704	ppb	21.10	1.00	
68 Zn	0.3596	ppb	59.90	1.00	
75 As	-0.0671	ppb	132.34	1.00	
82 Se	0.0166	ppb	492.40	1.00	
88 Sr	0.0066	ppb	85.20	1.00	
89 Y	-----	---	-----	---	
98 Mo	0.0507	ppb	12.27	1.00	
107 Ag	0.0029	ppb	113.93	1.00	
109 Ag	0.0026	ppb	104.20	1.00	
111 Cd	-0.0024	ppb	2020.30	1.00	
114 Cd	0.0049	ppb	111.58	1.00	
115 In	-----	---	-----	---	
118 Sn	0.0648	ppb	24.64	1.00	
120 Sn	0.0693	ppb	32.96	1.00	
121 Sb	0.0189	ppb	24.51	1.00	
123 Sb	0.0208	ppb	49.98	1.00	
135 Ba	0.0134	ppb	66.02	1.00	
137 Ba	0.0014	ppb	1080.70	1.00	
182 W	0.1005	ppb	14.91	1.00	
203 Tl	0.0075	ppb	53.04	1.00	
205 Tl	0.0064	ppb	29.10	1.00	
208 Pb	0.001	ppb	149.42	1.00	
232 Th	0.0541	ppb	20.14	1.00	
238 U	0.0022	ppb	34.54	1.00	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3209869.00	1.82	3225547.00	99.5	79.5 - 120	
45 Sc	2786125.50	2.15	2797225.50	99.6	79.5 - 120	
72 Ge	588250.06	1.47	598801.94	98.2	79.5 - 120	
159 Tb	5436641.00	1.65	5240202.50	103.7	79.5 - 120	
209 Bi	3201945.50	1.90	3108879.00	103.0	79.5 - 120	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

1 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Fail
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\074SMPL.D\074SMPL.D#
 Date Acquired: Jul 1 2014 04:58 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: SH4401-002
 Misc Info: DILUTION 1.6/8
 Vial Number: 2405
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 5.00
 Autodil Factor: Undiluted
Final Dil Factor: 5.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	0.0129	0.0026	ppb	22.71	100.	
11 B	8.73	1.746	ppb	4.33	1000.	
23 Na	3,896.	779.2	ppb	1.58	200000.	
25 Mg	1,976.	395.2	ppb	1.07	200000.	
27 Al	63.9	12.78	ppb	1.99	200000.	
28 Si	4,626.5	925.3	ppb	2.62	#VALUE!	
29 Si	4,670.5	934.1	ppb	6.01	10000.	
39 K	600.5	120.1	ppb	1.69	200000.	
43 Ca	7,160.	1,432.	ppb	3.23	#VALUE!	
44 Ca	7,095.	1,419.	ppb	0.78	200000.	
51 V	1.0245	0.2049	ppb	6.59	1000.	
52 Cr	4.2845	0.8569	ppb	3.63	1000.	
53 Cr	27.53	5.506	ppb	6.08	#VALUE!	
55 Mn	3,032.5	606.5	ppb	1.22	1000.	
56 Fe	3,328.5	665.7	ppb	0.85	#VALUE!	
57 Fe	3,264.5	652.9	ppb	2.66	100000.	
59 Co	4.2175	0.8435	ppb	3.13	1000.	
60 Ni	1.7145	0.3429	ppb	2.95	1000.	
63 Cu	1.025	0.205	ppb	3.44	#VALUE!	
65 Cu	0.8535	0.1707	ppb	14.28	1000.	
66 Zn	1.96	0.392	ppb	1.20	1000.	
68 Zn	4.416	0.8832	ppb	11.66	#VALUE!	
75 As	2.667	0.5334	ppb	26.12	1000.	
82 Se	-0.831	-0.1662	ppb	94.65	1000.	
88 Sr	38.87	7.774	ppb	0.61	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	0.2193	0.0439	ppb	30.47	1000.	
107 Ag	0.0067	0.0013	ppb	214.55	500.	
109 Ag	0.0058	0.0012	ppb	95.00	#VALUE!	
111 Cd	0.0115	0.0023	ppb	617.43	#VALUE!	
114 Cd	0.0531	0.0106	ppb	48.09	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	0.3976	0.0795	ppb	18.59	1000.	
120 Sn	0.3875	0.0775	ppb	9.29	#VALUE!	
121 Sb	0.0584	0.0117	ppb	14.04	#VALUE!	
123 Sb	0.0525	0.0105	ppb	65.55	1000.	
135 Ba	5.625	1.125	ppb	8.49	1000.	
137 Ba	5.78	1.156	ppb	1.95	#VALUE!	
182 W	0.1847	0.0369	ppb ---		#VALUE!	
203 Tl	0.0213	0.0043	ppb	43.50	1000.	
205 Tl	0.0084	0.0017	ppb	59.50	#VALUE!	
208 Pb	0.1891	0.0378	ppb	11.26	1000.	
232 Th	0.5285	0.1057	ppb	20.91	1000.	
238 U	0.0065	0.0013	ppb	80.71	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3225654.00	1.04	3225547.00	100.0	69.5 - 130	
45 Sc	2722776.80	0.28	2797225.50	97.3	69.5 - 130	
72 Ge	575743.44	0.37	598801.94	96.1	69.5 - 130	
159 Tb	5206088.00	0.68	5240202.50	99.3	69.5 - 130	
209 Bi	3056649.80	0.74	3108879.00	98.3	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\075SMPL.D\075SMPL.D#
 Date Acquired: Jul 1 2014 05:01 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: SH4401-003
 Misc Info: DILUTION 1.6/8
 Vial Number: 2406
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 5.00
 Autodil Factor: Undiluted
Final Dil Factor: 5.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	0.0056	0.0011	ppb	43.26	100.	
11 B	8.345	1.669	ppb	8.12	1000.	
23 Na	3,820.	764.	ppb	0.25	200000.	
25 Mg	1,926.	385.2	ppb	0.44	200000.	
27 Al	44.14	8.828	ppb	4.18	200000.	
28 Si	4,361.5	872.3	ppb	0.95	#VALUE!	
29 Si	4,499.5	899.9	ppb	3.89	10000.	
39 K	584.	116.8	ppb	0.80	200000.	
43 Ca	7,195.	1,439.	ppb	2.49	#VALUE!	
44 Ca	6,925.	1,385.	ppb	0.61	200000.	
51 V	0.511	0.1022	ppb	32.82	1000.	
52 Cr	0.594	0.1188	ppb	14.50	1000.	
53 Cr	11.5	2.3	ppb	8.88	#VALUE!	
55 Mn	2,962.	592.4	ppb	0.30	1000.	
56 Fe	3,216.	643.2	ppb	1.03	#VALUE!	
57 Fe	3,159.	631.8	ppb	0.72	100000.	
59 Co	4.177	0.8354	ppb	1.06	1000.	
60 Ni	1.1725	0.2345	ppb	15.81	1000.	
63 Cu	1.3615	0.2723	ppb	13.61	#VALUE!	
65 Cu	1.3035	0.2607	ppb	6.71	1000.	
66 Zn	3.5005	0.7001	ppb	1.85	1000.	
68 Zn	6.915	1.383	ppb	5.64	#VALUE!	
75 As	2.5835	0.5167	ppb	15.43	1000.	
82 Se	0.7725	0.1545	ppb	64.62	1000.	
88 Sr	37.87	7.574	ppb	1.93	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	0.1314	0.0263	ppb	32.31	1000.	
107 Ag	0.0149	0.003	ppb	72.76	500.	
109 Ag	0.0124	0.0025	ppb	88.37	#VALUE!	
111 Cd	0.0878	0.0176	ppb	146.27	#VALUE!	
114 Cd	0.0586	0.0117	ppb	29.96	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	0.4743	0.0949	ppb	3.32	1000.	
120 Sn	0.4278	0.0856	ppb	7.04	#VALUE!	
121 Sb	0.042	0.0084	ppb	28.52	#VALUE!	
123 Sb	0.06	0.012	ppb	32.77	1000.	
135 Ba	5.985	1.197	ppb	4.79	1000.	
137 Ba	5.705	1.141	ppb	7.70	#VALUE!	
182 W	0.1423	0.0285	ppb ---		#VALUE!	
203 Tl	0.0066	0.0013	ppb	179.98	1000.	
205 Tl	0.0033	0.0007	ppb	165.28	#VALUE!	
208 Pb	0.2359	0.0472	ppb	2.13	1000.	
232 Th	0.2624	0.0525	ppb	11.16	1000.	
238 U	0.0035	0.0007	ppb	177.27	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3198685.00	2.26	3225547.00	99.2	69.5 - 130	
45 Sc	2732454.30	0.70	2797225.50	97.7	69.5 - 130	
72 Ge	573128.75	0.94	598801.94	95.7	69.5 - 130	
159 Tb	5240883.50	0.62	5240202.50	100.0	69.5 - 130	
209 Bi	3092382.30	0.78	3108879.00	99.5	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\076SMPL.D\076SMPL.D#
 Date Acquired: Jul 1 2014 05:05 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: SH4401-004
 Misc Info: DILUTION 1.6/8
 Vial Number: 2407
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 5.00
 Autodil Factor: Undiluted
Final Dil Factor: 5.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	0.0255	0.0051	ppb	54.94	100.	
11 B	4.909	0.9818	ppb	12.47	1000.	
23 Na	3,591.5	718.3	ppb	2.37	200000.	
25 Mg	1,090.5	218.1	ppb	2.32	200000.	
27 Al	30.395	6.079	ppb	4.02	200000.	
28 Si	4,158.5	831.7	ppb	4.13	#VALUE!	
29 Si	4,505.5	901.1	ppb	17.43	10000.	
39 K	677.	135.4	ppb	4.99	200000.	
43 Ca	3,749.5	749.9	ppb	4.05	#VALUE!	
44 Ca	3,593.	718.6	ppb	2.38	200000.	
51 V	0.604	0.1208	ppb	76.66	1000.	
52 Cr	4.4085	0.8817	ppb	1.61	1000.	
53 Cr	48.045	9.609	ppb	3.94	#VALUE!	
55 Mn	1,665.	333.	ppb	1.57	1000.	
56 Fe	1,410.	282.	ppb	1.90	#VALUE!	
57 Fe	1,372.5	274.5	ppb	2.33	100000.	
59 Co	5.075	1.015	ppb	2.01	1000.	
60 Ni	30.055	6.011	ppb	2.40	1000.	
63 Cu	2.673	0.5346	ppb	4.86	#VALUE!	
65 Cu	2.642	0.5284	ppb	9.12	1000.	
66 Zn	2.632	0.5264	ppb	14.48	1000.	
68 Zn	5.265	1.053	ppb	34.62	#VALUE!	
75 As	4.34	0.868	ppb	17.57	1000.	
82 Se	-0.3376	-0.0675	ppb	85.41	1000.	
88 Sr	23.905	4.781	ppb	2.84	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	0.3548	0.071	ppb	17.44	1000.	
107 Ag	-0.002	-0.0004	ppb	259.18	500.	
109 Ag	-0.0006	-0.0001	ppb	1681.40	#VALUE!	
111 Cd	0.1764	0.0353	ppb	113.47	#VALUE!	
114 Cd	0.1637	0.0327	ppb	7.95	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	0.4187	0.0837	ppb	18.39	1000.	
120 Sn	0.387	0.0774	ppb	6.60	#VALUE!	
121 Sb	0.0719	0.0144	ppb	38.09	#VALUE!	
123 Sb	0.0614	0.0123	ppb	21.15	1000.	
135 Ba	3.2415	0.6483	ppb	4.26	1000.	
137 Ba	2.975	0.595	ppb	3.17	#VALUE!	
182 W	0.0927	0.0185	ppb ---		#VALUE!	
203 Tl	0.0275	0.0055	ppb	37.32	1000.	
205 Tl	0.013	0.0026	ppb	74.15	#VALUE!	
208 Pb	0.399	0.0798	ppb	2.81	1000.	
232 Th	0.1485	0.0297	ppb	21.34	1000.	
238 U	0.0183	0.0037	ppb	27.34	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3249193.80	1.15	3225547.00	100.7	69.5 - 130	
45 Sc	2744002.50	1.53	2797225.50	98.1	69.5 - 130	
72 Ge	574778.94	0.89	598801.94	96.0	69.5 - 130	
159 Tb	5238019.00	1.49	5240202.50	100.0	69.5 - 130	
209 Bi	3065962.80	2.04	3108879.00	98.6	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\077SMPL.D\077SMPL.D#
 Date Acquired: Jul 1 2014 05:08 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: SH4401-005
 Misc Info: DILUTION 1.6/8
 Vial Number: 2408
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 5.00
 Autodil Factor: Undiluted
Final Dil Factor: 5.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	0.0128	0.0026	ppb	49.86	100.	
11 B	5.365	1.073	ppb	1.64	1000.	
23 Na	3,660.5	732.1	ppb	1.93	200000.	
25 Mg	1,100.5	220.1	ppb	0.86	200000.	
27 Al	17.47	3.494	ppb	2.44	200000.	
28 Si	4,113.5	822.7	ppb	4.05	#VALUE!	
29 Si	3,802.5	760.5	ppb	6.96	10000.	
39 K	685.5	137.1	ppb	2.19	200000.	
43 Ca	3,632.5	726.5	ppb	5.93	#VALUE!	
44 Ca	3,647.5	729.5	ppb	0.60	200000.	
51 V	1.264	0.2528	ppb	29.93	1000.	
52 Cr	4.498	0.8996	ppb	5.26	1000.	
53 Cr	50.3	10.06	ppb	6.51	#VALUE!	
55 Mn	1,679.	335.8	ppb	0.91	1000.	
56 Fe	1,254.5	250.9	ppb	1.97	#VALUE!	
57 Fe	1,198.5	239.7	ppb	2.02	100000.	
59 Co	5.395	1.079	ppb	3.87	1000.	
60 Ni	2.9005	0.5801	ppb	8.68	1000.	
63 Cu	0.9845	0.1969	ppb	4.34	#VALUE!	
65 Cu	1.0795	0.2159	ppb	11.95	1000.	
66 Zn	4.7645	0.9529	ppb	7.61	1000.	
68 Zn	7.08	1.416	ppb	30.06	#VALUE!	
75 As	3.3985	0.6797	ppb	23.79	1000.	
82 Se	0.7685	0.1537	ppb	92.58	1000.	
88 Sr	24.055	4.811	ppb	1.12	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	0.1886	0.0377	ppb	12.10	1000.	
107 Ag	0.0075	0.0015	ppb	118.48	500.	
109 Ag	0.0057	0.0011	ppb	94.24	#VALUE!	
111 Cd	0.2459	0.0492	ppb	48.73	#VALUE!	
114 Cd	0.1268	0.0254	ppb	7.69	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	0.3552	0.071	ppb	12.10	1000.	
120 Sn	0.3311	0.0662	ppb	14.32	#VALUE!	
121 Sb	0.0567	0.0113	ppb	16.52	#VALUE!	
123 Sb	0.0371	0.0074	ppb	29.46	1000.	
135 Ba	2.951	0.5902	ppb	6.63	1000.	
137 Ba	2.6735	0.5347	ppb	6.18	#VALUE!	
182 W	0.0727	0.0145	ppb ---		#VALUE!	
203 Tl	0.0345	0.0069	ppb	41.03	1000.	
205 Tl	0.0116	0.0023	ppb	56.42	#VALUE!	
208 Pb	0.1803	0.0361	ppb	44.84	1000.	
232 Th	0.1065	0.0213	ppb	13.32	1000.	
238 U	0.0087	0.0017	ppb	118.16	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3240756.30	0.94	3225547.00	100.5	69.5 - 130	
45 Sc	2760425.30	1.11	2797225.50	98.7	69.5 - 130	
72 Ge	576665.94	0.59	598801.94	96.3	69.5 - 130	
159 Tb	5291762.50	0.39	5240202.50	101.0	69.5 - 130	
209 Bi	3102946.00	0.69	3108879.00	99.8	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\078SMPL.D\078SMPL.D#
 Date Acquired: Jul 1 2014 05:12 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: SH4401-006
 Misc Info: DILUTION 1.6/8
 Vial Number: 2409
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 5.00
 Autodil Factor: Undiluted
Final Dil Factor: 5.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	0.0092	0.0018	ppb	77.30	100.	
11 B	5.17	1.034	ppb	9.31	1000.	
23 Na	4,391.	878.2	ppb	2.32	200000.	
25 Mg	1,681.	336.2	ppb	2.54	200000.	
27 Al	59.35	11.87	ppb	1.43	200000.	
28 Si	3,360.5	672.1	ppb	5.01	#VALUE!	
29 Si	3,328.5	665.7	ppb	23.48	10000.	
39 K	548.5	109.7	ppb	5.14	200000.	
43 Ca	4,631.5	926.3	ppb	1.85	#VALUE!	
44 Ca	4,510.5	902.1	ppb	1.65	200000.	
51 V	1.352	0.2704	ppb	60.24	1000.	
52 Cr	4.6135	0.9227	ppb	3.84	1000.	
53 Cr	46.82	9.364	ppb	3.22	#VALUE!	
55 Mn	495.6	99.12	ppb	0.12	1000.	
56 Fe	278.8	55.76	ppb	0.32	#VALUE!	
57 Fe	262.2	52.44	ppb	2.58	100000.	
59 Co	0.0998	0.02	ppb	25.69	1000.	
60 Ni	1.276	0.2552	ppb	3.07	1000.	
63 Cu	0.579	0.1158	ppb	11.97	#VALUE!	
65 Cu	0.749	0.1498	ppb	11.30	1000.	
66 Zn	1.1935	0.2387	ppb	16.03	1000.	
68 Zn	5.07	1.014	ppb	20.90	#VALUE!	
75 As	0.694	0.1388	ppb	94.67	1000.	
82 Se	-0.696	-0.1392	ppb	103.23	1000.	
88 Sr	23.565	4.713	ppb	1.50	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	0.0863	0.0173	ppb	20.10	1000.	
107 Ag	0.0121	0.0024	ppb	63.19	500.	
109 Ag	0.0077	0.0015	ppb	197.47	#VALUE!	
111 Cd	-0.0204	-0.0041	ppb	603.88	#VALUE!	
114 Cd	0.0663	0.0133	ppb	17.39	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	0.3126	0.0625	ppb	26.31	1000.	
120 Sn	0.263	0.0526	ppb	13.28	#VALUE!	
121 Sb	0.062	0.0124	ppb	12.28	#VALUE!	
123 Sb	0.0563	0.0113	ppb	29.39	1000.	
135 Ba	2.8395	0.5679	ppb	10.95	1000.	
137 Ba	2.67	0.534	ppb	8.20	#VALUE!	
182 W	0.0382	0.0076	ppb ---		#VALUE!	
203 Tl	0.016	0.0032	ppb	45.42	1000.	
205 Tl	0.0025	0.0005	ppb	63.44	#VALUE!	
208 Pb	0.1321	0.0264	ppb	33.67	1000.	
232 Th	0.0971	0.0194	ppb	11.67	1000.	
238 U	0.0033	0.0007	ppb	127.11	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3270331.00	0.80	3225547.00	101.4	69.5 - 130	
45 Sc	2719655.30	1.46	2797225.50	97.2	69.5 - 130	
72 Ge	574706.06	0.12	598801.94	96.0	69.5 - 130	
159 Tb	5263167.50	0.39	5240202.50	100.4	69.5 - 130	
209 Bi	3058797.30	1.03	3108879.00	98.4	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\079SMPL.D\079SMPL.D#
 Date Acquired: Jul 1 2014 05:15 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: SH4401-007
 Misc Info: DILUTION 1.6/8
 Vial Number: 2410
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 5.00
 Autodil Factor: Undiluted
Final Dil Factor: 5.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	0.0092	0.0018	ppb	56.18	100.	
11 B	5.32	1.064	ppb	7.04	1000.	
23 Na	4,326.5	865.3	ppb	1.42	200000.	
25 Mg	1,645.5	329.1	ppb	2.17	200000.	
27 Al	39.53	7.906	ppb	0.63	200000.	
28 Si	3,222.	644.4	ppb	3.54	#VALUE!	
29 Si	2,906.5	581.3	ppb	7.64	10000.	
39 K	552.5	110.5	ppb	3.16	200000.	
43 Ca	4,565.5	913.1	ppb	4.45	#VALUE!	
44 Ca	4,393.	878.6	ppb	0.95	200000.	
51 V	1.062	0.2124	ppb	18.01	1000.	
52 Cr	4.673	0.9346	ppb	1.46	1000.	
53 Cr	58.8	11.76	ppb	1.82	#VALUE!	
55 Mn	469.55	93.91	ppb	1.15	1000.	
56 Fe	245.9	49.18	ppb	2.30	#VALUE!	
57 Fe	231.75	46.35	ppb	5.51	100000.	
59 Co	0.0791	0.0158	ppb	29.25	1000.	
60 Ni	1.454	0.2908	ppb	3.01	1000.	
63 Cu	0.6935	0.1387	ppb	8.92	#VALUE!	
65 Cu	0.697	0.1394	ppb	10.34	1000.	
66 Zn	2.492	0.4984	ppb	3.55	1000.	
68 Zn	5.305	1.061	ppb	30.56	#VALUE!	
75 As	1.038	0.2076	ppb	82.85	1000.	
82 Se	0.3903	0.0781	ppb	554.64	1000.	
88 Sr	23.2	4.64	ppb	1.02	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	0.0903	0.0181	ppb	32.84	1000.	
107 Ag	0.007	0.0014	ppb	81.86	500.	
109 Ag	0.0051	0.001	ppb	66.17	#VALUE!	
111 Cd	0.0939	0.0188	ppb	285.62	#VALUE!	
114 Cd	0.0797	0.0159	ppb	36.64	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	0.2884	0.0577	ppb	19.37	1000.	
120 Sn	0.24	0.048	ppb	5.12	#VALUE!	
121 Sb	0.0227	0.0045	ppb	78.38	#VALUE!	
123 Sb	0.0424	0.0085	ppb	35.58	1000.	
135 Ba	2.8195	0.5639	ppb	3.32	1000.	
137 Ba	2.9385	0.5877	ppb	2.47	#VALUE!	
182 W	0.0505	0.0101	ppb ---		#VALUE!	
203 Tl	0.0069	0.0014	ppb	172.91	1000.	
205 Tl	0.0029	0.0006	ppb	350.87	#VALUE!	
208 Pb	0.0937	0.0187	ppb	23.48	1000.	
232 Th	0.0555	0.0111	ppb	9.50	1000.	
238 U	0.0033	0.0007	ppb	191.68	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3272031.00	1.24	3225547.00	101.4	69.5 - 130	
45 Sc	2710983.00	1.02	2797225.50	96.9	69.5 - 130	
72 Ge	572984.31	0.41	598801.94	95.7	69.5 - 130	
159 Tb	5250215.50	0.60	5240202.50	100.2	69.5 - 130	
209 Bi	3072159.00	1.19	3108879.00	98.8	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\080SMPL.D\080SMPL.D#
 Date Acquired: Jul 1 2014 05:18 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: SH4401-007L
 Misc Info: DILUTION 0.4/10
 Vial Number: 2411
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 25.00
 Autodil Factor: Undiluted
Final Dil Factor: 25.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	0.0208	0.0008	ppb	119.45	100.	
11 B	-0.6573	-0.0263	ppb	225.52	1000.	
23 Na	4,355.	174.2	ppb	1.43	200000.	
25 Mg	1,621.	64.84	ppb	0.44	200000.	
27 Al	52.45	2.098	ppb	5.30	200000.	
28 Si	4,455.	178.2	ppb	19.20	#VALUE!	
29 Si	6,865.	274.6	ppb	41.81	10000.	
39 K	529.5	21.18	ppb	12.06	200000.	
43 Ca	4,197.5	167.9	ppb	10.55	#VALUE!	
44 Ca	4,235.	169.4	ppb	2.65	200000.	
51 V	0.8508	0.034	ppb	23.15	1000.	
52 Cr	4.805	0.1922	ppb	11.79	1000.	
53 Cr	80.625	3.225	ppb	5.80	#VALUE!	
55 Mn	464.75	18.59	ppb	0.96	1000.	
56 Fe	260.25	10.41	ppb	6.74	#VALUE!	
57 Fe	160.35	6.414	ppb	37.86	100000.	
59 Co	-0.0152	-0.0006	ppb	236.50	1000.	
60 Ni	1.3433	0.0537	ppb	3.63	1000.	
63 Cu	0.2868	0.0115	ppb	97.82	#VALUE!	
65 Cu	0.8468	0.0339	ppb	34.51	1000.	
66 Zn	1.7208	0.0688	ppb	99.83	1000.	
68 Zn	10.7675	0.4307	ppb	50.73	#VALUE!	
75 As	1.0105	0.0404	ppb	409.70	1000.	
82 Se	-1.0155	-0.0406	ppb	82.13	1000.	
88 Sr	22.42	0.8968	ppb	3.76	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	0.0722	0.0029	ppb	96.16	1000.	
107 Ag	0.0161	0.0006	ppb	189.74	500.	
109 Ag	0.0298	0.0012	ppb	95.22	#VALUE!	
111 Cd	-0.0697	-0.0028	ppb	484.03	#VALUE!	
114 Cd	0.1022	0.0041	ppb	149.71	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	0.2548	0.0102	ppb	16.27	1000.	
120 Sn	0.223	0.0089	ppb	64.14	#VALUE!	
121 Sb	-0.0233	-0.0009	ppb	273.27	#VALUE!	
123 Sb	0.006	0.0002	ppb	196.88	1000.	
135 Ba	8.365	0.3346	ppb	4.27	1000.	
137 Ba	8.7525	0.3501	ppb	5.78	#VALUE!	
182 W	0.1534	0.0061	ppb ---		#VALUE!	
203 Tl	0.0055	0.0002	ppb	1213.70	1000.	
205 Tl	-0.0027	-0.0001	ppb	899.26	#VALUE!	
208 Pb	0.1261	0.005	ppb	63.04	1000.	
232 Th	-0.0044	-0.0002	ppb	473.90	1000.	
238 U	-0.0188	-0.0008	ppb	71.57	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3340268.50	0.98	3225547.00	103.6	69.5 - 130	
45 Sc	2779543.00	1.44	2797225.50	99.4	69.5 - 130	
72 Ge	587868.75	1.05	598801.94	98.2	69.5 - 130	
159 Tb	5510626.50	1.02	5240202.50	105.2	69.5 - 130	
209 Bi	3245867.00	1.08	3108879.00	104.4	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\081SMPL.D\081SMPL.D#
 Date Acquired: Jul 1 2014 05:22 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: SH4401-007A
 Misc Info: DILUTION 1.6/8
 Vial Number: 2412
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 5.00
 Autodil Factor: Undiluted
Final Dil Factor: 5.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	8.985	1.797	ppb	4.61	100.	
11 B	191.85	38.37	ppb	1.74	1000.	
23 Na	13,925.	2,785.	ppb	2.98	200000.	
25 Mg	2,578.5	515.7	ppb	2.72	200000.	
27 Al	3,029.5	605.9	ppb	3.10	200000.	
28 Si	8,085.	1,617.	ppb	4.69	#VALUE!	
29 Si	7,680.	1,536.	ppb	10.61	10000.	
39 K	10,330.	2,066.	ppb	2.80	200000.	
43 Ca	5,335.	1,067.	ppb	6.88	#VALUE!	
44 Ca	5,250.	1,050.	ppb	3.00	200000.	
51 V	48.115	9.623	ppb	1.18	1000.	
52 Cr	55.1	11.02	ppb	0.80	1000.	
53 Cr	118.65	23.73	ppb	3.59	#VALUE!	
55 Mn	493.1	98.62	ppb	1.71	1000.	
56 Fe	1,233.	246.6	ppb	2.92	#VALUE!	
57 Fe	1,169.5	233.9	ppb	1.36	100000.	
59 Co	9.865	1.973	ppb	3.59	1000.	
60 Ni	21.45	4.29	ppb	2.51	1000.	
63 Cu	31.	6.2	ppb	1.50	#VALUE!	
65 Cu	30.715	6.143	ppb	2.38	1000.	
66 Zn	97.85	19.57	ppb	1.68	1000.	
68 Zn	96.	19.2	ppb	2.60	#VALUE!	
75 As	48.91	9.782	ppb	4.52	1000.	
82 Se	46.645	9.329	ppb	3.79	1000.	
88 Sr	72.4	14.48	ppb	1.98	1000.	
89 Y	----	-----	---		#VALUE!	
98 Mo	49.24	9.848	ppb	2.40	1000.	
107 Ag	10.185	2.037	ppb	1.61	500.	
109 Ag	10.125	2.025	ppb	1.40	#VALUE!	
111 Cd	9.825	1.965	ppb	1.65	#VALUE!	
114 Cd	9.92	1.984	ppb	1.32	1000.	
115 In	----	-----	---		#VALUE!	
118 Sn	47.51	9.502	ppb	1.83	1000.	
120 Sn	47.405	9.481	ppb	2.88	#VALUE!	
121 Sb	9.6	1.92	ppb	2.89	#VALUE!	
123 Sb	9.6	1.92	ppb	3.17	1000.	
135 Ba	23.135	4.627	ppb	6.03	1000.	
137 Ba	23.855	4.771	ppb	2.09	#VALUE!	
182 W	49.275	9.855	ppb ---		#VALUE!	
203 Tl	9.645	1.929	ppb	2.06	1000.	
205 Tl	9.69	1.938	ppb	2.48	#VALUE!	
208 Pb	9.84	1.968	ppb	2.06	1000.	
232 Th	9.15	1.83	ppb	2.09	1000.	
238 U	9.465	1.893	ppb	0.75	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3264774.30	1.75	3225547.00	101.2	69.5 - 130	
45 Sc	2741139.80	2.57	2797225.50	98.0	69.5 - 130	
72 Ge	572462.75	1.01	598801.94	95.6	69.5 - 130	
159 Tb	5288048.50	1.82	5240202.50	100.9	69.5 - 130	
209 Bi	3092762.50	1.09	3108879.00	99.5	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\082SMPL.D\082SMPL.D#
 Date Acquired: Jul 1 2014 05:25 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: SH4401-007S
 Misc Info: DILUTION 1.6/8
 Vial Number: 2501
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 5.00
 Autodil Factor: Undiluted
Final Dil Factor: 5.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	45.265	9.053	ppb	1.73	100.	
11 B	471.8	94.36	ppb	1.07	1000.	
23 Na	11,625.	2,325.	ppb	2.30	200000.	
25 Mg	7,110.	1,422.	ppb	1.02	200000.	
27 Al	2,174.	434.8	ppb	1.25	200000.	
28 Si	8,455.	1,691.	ppb	5.09	#VALUE!	
29 Si	7,870.	1,574.	ppb	11.04	10000.	
39 K	10,770.	2,154.	ppb	3.48	200000.	
43 Ca	7,490.	1,498.	ppb	1.81	#VALUE!	
44 Ca	6,655.	1,331.	ppb	3.27	200000.	
51 V	516.	103.2	ppb	0.33	1000.	
52 Cr	203.2	40.64	ppb	0.94	1000.	
53 Cr	266.2	53.24	ppb	1.80	#VALUE!	
55 Mn	986.	197.2	ppb	1.04	1000.	
56 Fe	1,284.	256.8	ppb	1.20	#VALUE!	
57 Fe	1,245.5	249.1	ppb	0.30	100000.	
59 Co	523.	104.6	ppb	0.46	1000.	
60 Ni	520.5	104.1	ppb	1.15	1000.	
63 Cu	255.85	51.17	ppb	0.98	#VALUE!	
65 Cu	253.8	50.76	ppb	0.80	1000.	
66 Zn	505.5	101.1	ppb	1.02	1000.	
68 Zn	553.5	110.7	ppb	0.62	#VALUE!	
75 As	101.7	20.34	ppb	1.62	1000.	
82 Se	97.85	19.57	ppb	2.56	1000.	
88 Sr	550.	110.	ppb	0.92	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	310.4	62.08	ppb	0.52	1000.	
107 Ag	52.	10.4	ppb	0.34	500.	
109 Ag	52.3	10.46	ppb	0.44	#VALUE!	
111 Cd	255.7	51.14	ppb	1.26	#VALUE!	
114 Cd	255.65	51.13	ppb	1.20	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	502.	100.4	ppb	1.47	1000.	
120 Sn	504.5	100.9	ppb	1.73	#VALUE!	
121 Sb	99.25	19.85	ppb	2.01	#VALUE!	
123 Sb	99.7	19.94	ppb	2.17	1000.	
135 Ba	1,986.5	397.3	ppb	1.70	1000.	
137 Ba	2,000.5	400.1	ppb	1.37	#VALUE!	
182 W	107.3	21.46	ppb ---		#VALUE!	
203 Tl	95.5	19.1	ppb	1.31	1000.	
205 Tl	96.1	19.22	ppb	1.56	#VALUE!	
208 Pb	102.3	20.46	ppb	1.73	1000.	
232 Th	0.4776	0.0955	ppb	20.02	1000.	
238 U	92.85	18.57	ppb	1.51	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3310576.50	1.51	3225547.00	102.6	69.5 - 130	
45 Sc	2694151.30	1.78	2797225.50	96.3	69.5 - 130	
72 Ge	563153.56	0.52	598801.94	94.0	69.5 - 130	
159 Tb	5213296.50	0.91	5240202.50	99.5	69.5 - 130	
209 Bi	3028646.00	1.00	3108879.00	97.4	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\JHG01A.B\083SMPL.D\083SMPL.D#
 Date Acquired: Jul 1 2014 05:29 pm
 Acq. Method: K2008ES2.M
 Operator: EAM
 Sample Name: SH4401-007P
 Misc Info: DILUTION 1.6/8
 Vial Number: 2502
 Current Method: C:\ICPCHEM\1\METHODS\K2008ES2.M
 Calibration File: C:\ICPCHEM\1\CALIB\K2008ES2.C
 Last Cal. Update: Jul 01 2014 01:47 pm
 Sample Type: Sample
 Dilution Factor: 5.00
 Autodil Factor: Undiluted
Final Dil Factor: 5.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	44.045	8.809	ppb	1.63	100.	
11 B	454.25	90.85	ppb	1.44	1000.	
23 Na	11,865.	2,373.	ppb	0.86	200000.	
25 Mg	7,170.	1,434.	ppb	0.95	200000.	
27 Al	2,125.	425.	ppb	1.43	200000.	
28 Si	8,170.	1,634.	ppb	1.26	#VALUE!	
29 Si	7,960.	1,592.	ppb	9.69	10000.	
39 K	11,005.	2,201.	ppb	0.43	200000.	
43 Ca	7,310.	1,462.	ppb	1.00	#VALUE!	
44 Ca	6,575.	1,315.	ppb	0.74	200000.	
51 V	504.	100.8	ppb	0.48	1000.	
52 Cr	199.35	39.87	ppb	0.09	1000.	
53 Cr	247.25	49.45	ppb	0.28	#VALUE!	
55 Mn	958.	191.6	ppb	0.71	1000.	
56 Fe	1,258.5	251.7	ppb	0.19	#VALUE!	
57 Fe	1,198.	239.6	ppb	1.26	100000.	
59 Co	514.5	102.9	ppb	1.37	1000.	
60 Ni	512.5	102.5	ppb	0.64	1000.	
63 Cu	674.	134.8	ppb	0.74	#VALUE!	
65 Cu	677.5	135.5	ppb	0.06	1000.	
66 Zn	499.95	99.99	ppb	0.49	1000.	
68 Zn	543.	108.6	ppb	0.77	#VALUE!	
75 As	102.05	20.41	ppb	2.30	1000.	
82 Se	99.	19.8	ppb	1.03	1000.	
88 Sr	525.	105.	ppb	1.02	1000.	
89 Y	----	-----	--- ---		#VALUE!	
98 Mo	296.85	59.37	ppb	0.60	1000.	
107 Ag	50.95	10.19	ppb	0.88	500.	
109 Ag	50.7	10.14	ppb	0.96	#VALUE!	
111 Cd	260.95	52.19	ppb	0.48	#VALUE!	
114 Cd	262.2	52.44	ppb	0.53	1000.	
115 In	----	-----	--- ---		#VALUE!	
118 Sn	499.95	99.99	ppb	0.42	1000.	
120 Sn	501.	100.2	ppb	0.66	#VALUE!	
121 Sb	101.8	20.36	ppb	1.13	#VALUE!	
123 Sb	102.65	20.53	ppb	1.08	1000.	
135 Ba	1,967.5	393.5	ppb	1.07	1000.	
137 Ba	1,970.5	394.1	ppb	0.73	#VALUE!	
182 W	103.1	20.62	ppb ---		#VALUE!	
203 Tl	106.4	21.28	ppb	1.40	1000.	
205 Tl	106.65	21.33	ppb	1.13	#VALUE!	
208 Pb	105.5	21.1	ppb	0.39	1000.	
232 Th	0.1502	0.03	ppb	4.11	1000.	
238 U	88.85	17.77	ppb	1.19	1000.	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	3356845.00	1.47	3225547.00	104.1	69.5 - 130	
45 Sc	2723519.80	0.76	2797225.50	97.4	69.5 - 130	
72 Ge	570050.75	0.30	598801.94	95.2	69.5 - 130	
159 Tb	5256763.50	0.52	5240202.50	100.3	69.5 - 130	
209 Bi	3039371.00	0.53	3108879.00	97.8	69.5 - 130	

ISTD Ref File : C:\ICPCHEM\1\DATA\JHG01A.B\013CALB.D\013CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass