

Sequence No.: 9

Sample ID: ICP_ICB(Daily)

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 8

Date Collected: 10/17/2012 9:18:59 AM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Mean Data: ICP_ICB(Daily)

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Ag 328.068	10.0	0.0001 mg/L	0.00021	0.0001 mg/L	0.00021	277.04%
QC value within limits for Ag 328.068 Recovery = Not calculated						
Al 308.215	-89.7	-0.0026 mg/L	0.00007	-0.0026 mg/L	0.00007	2.52%
QC value within limits for Al 308.215 Recovery = Not calculated						
As 188.979	-1.9	-0.0003 mg/L	0.00116	-0.0003 mg/L	0.00116	337.86%
QC value within limits for As 188.979 Recovery = Not calculated						
B 249.677	3640.5	0.0407 mg/L	0.00116	0.0407 mg/L	0.00116	2.84%
QC value greater than the upper limit for B 249.677 Recovery = Not calculated						
Ba 233.527	68.3	0.0007 mg/L	0.00005	0.0007 mg/L	0.00005	7.99%
QC value within limits for Ba 233.527 Recovery = Not calculated						
Be 313.107	1108.2	0.0005 mg/L	0.00009	0.0005 mg/L	0.00009	19.25%
QC value within limits for Be 313.107 Recovery = Not calculated						
Bi 223.061	-9.1	-0.0041 mg/L	0.00083	-0.0041 mg/L	0.00083	20.26%
QC value within limits for Bi 223.061 Recovery = Not calculated						
Bi 190.171	6.9	0.0083 mg/L	0.00090	0.0083 mg/L	0.00090	10.85%
QC value within limits for Bi 190.171 Recovery = Not calculated						
Ca 315.887	-0.5	-0.0002 mg/L	0.00330	-0.0002 mg/L	0.00330	>999.9%
QC value within limits for Ca 315.887 Recovery = Not calculated						
Ca 317.933	5.1	0.0020 mg/L	0.00147	0.0020 mg/L	0.00147	74.23%
QC value within limits for Ca 317.933 Recovery = Not calculated						
Cd 214.440	41.0	0.0009 mg/L	0.00007	0.0009 mg/L	0.00007	7.78%
QC value within limits for Cd 214.440 Recovery = Not calculated						
Co 228.616	9.7	0.0004 mg/L	0.00012	0.0004 mg/L	0.00012	32.67%
QC value within limits for Co 228.616 Recovery = Not calculated						
Cr 267.716	13.5	0.0004 mg/L	0.00022	0.0004 mg/L	0.00022	63.32%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu 324.752	161.8	0.0005 mg/L	0.00064	0.0005 mg/L	0.00064	120.45%
QC value within limits for Cu 324.752 Recovery = Not calculated						
Fe 238.204	59.1	0.0015 mg/L	0.00084	0.0015 mg/L	0.00084	56.45%
QC value within limits for Fe 238.204 Recovery = Not calculated						
Fe 273.955	12.2	0.0007 mg/L	0.00126	0.0007 mg/L	0.00126	176.54%
QC value within limits for Fe 273.955 Recovery = Not calculated						
K 766.490	-235.3	-0.0836 mg/L	0.05194	-0.0836 mg/L	0.05194	62.14%
QC value less than the lower limit for K 766.490 Recovery = Not calculated						
Mg 279.077	3.6	0.0156 mg/L	0.01982	0.0156 mg/L	0.01982	127.21%
QC value greater than the upper limit for Mg 279.077 Recovery = Not calculated						
Mn 257.610	215.0	0.0005 mg/L	0.00003	0.0005 mg/L	0.00003	5.75%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Mo 202.031	15.6	0.0034 mg/L	0.00051	0.0034 mg/L	0.00051	14.93%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Na 589.592	-135.0	-0.0209 mg/L	0.01311	-0.0209 mg/L	0.01311	62.80%
QC value less than the lower limit for Na 589.592 Recovery = Not calculated						
Na 330.237	-1.3	-0.1653 mg/L	0.22270	-0.1653 mg/L	0.22270	134.71%
QC value less than the lower limit for Na 330.237 Recovery = Not calculated						
Ni 231.604	8.6	0.0005 mg/L	0.00016	0.0005 mg/L	0.00016	34.66%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353	-0.4	0.0000 mg/L	0.00077	0.0000 mg/L	0.00077	>999.9%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836	23.2	0.0208 mg/L	0.00091	0.0208 mg/L	0.00091	4.38%
QC value greater than the upper limit for Sb 206.836 Recovery = Not calculated						
Se 196.026	73.1	0.0093 mg/L	0.01087	0.0093 mg/L	0.01087	117.02%
QC value within limits for Se 196.026 Recovery = Not calculated						
Sn 189.927	-0.1	0.0000 mg/L	0.00087	0.0000 mg/L	0.00087	>999.9%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr 407.771	1028.8	0.0024 mg/L	0.00178	0.0024 mg/L	0.00178	73.22%
QC value within limits for Sr 407.771 Recovery = Not calculated						
Sr 421.552	603.3	0.0025 mg/L	0.00199	0.0025 mg/L	0.00199	78.08%
QC value within limits for Sr 421.552 Recovery = Not calculated						
Ti 334.940	467.7	0.0012 mg/L	0.00021	0.0012 mg/L	0.00021	17.38%
QC value within limits for Ti 334.940 Recovery = Not calculated						
Tl 190.801	-3.9	-0.0007 mg/L	0.00374	-0.0007 mg/L	0.00374	527.00%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 290.880	121.9	0.0008 mg/L	0.00040	0.0008 mg/L	0.00040	52.53%
QC value within limits for V 290.880 Recovery = Not calculated						

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Zn 206.200	10.8	0.0007 mg/L	0.00013	0.0007 mg/L	0.00013	18.01%
QC value within limits for Zn 206.200 Recovery = Not calculated						
P 213.617	3.6	0.0027 mg/L	0.01009	0.0027 mg/L	0.01009	378.23%
Si 251.611	-10.4	-0.0003 mg/L	0.00230	-0.0003 mg/L	0.00230	898.09%
Li 670.784	-219.5	-0.0032 mg/L	0.00526	-0.0032 mg/L	0.00526	165.51%
Li 610.362	84.1	0.0120 mg/L	0.01221	0.0120 mg/L	0.01221	102.09%
S 181.975	-4.3	-0.0175 mg/L	0.00556	-0.0175 mg/L	0.00556	31.72%

QC Failed. Continue with analysis.

ALAB: 00205

Sequence No.: 10
 Sample ID: ICP_CCVGM(7-6-12)
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 6
 Date Collected: 10/17/2012 9:21:37 AM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Mean Data: ICP_CCVGM(7-6-12)

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Std.Dev.	RSD
Ag 328.068	-22.8	-0.0002	mg/L	0.00058	-0.0002	mg/L	0.00058 329.75%
Al 308.215	-607.5	-0.0175	mg/L	0.00027	-0.0175	mg/L	0.00027 1.56%
As 188.979	18.6	0.0033	mg/L	0.00008	0.0033	mg/L	0.00008 2.46%
B 249.677	3420.1	0.0382	mg/L	0.00026	0.0382	mg/L	0.00026 0.69%
Ba 233.527	67.1	0.0007	mg/L	0.00002	0.0007	mg/L	0.00002 3.05%
Be 313.107	76.3	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001 21.10%
Bi 223.061	6.4	0.0028	mg/L	0.00451	0.0028	mg/L	0.00451 158.33%
Bi 190.171	20.8	0.0252	mg/L	0.00005	0.0252	mg/L	0.00005 0.19%
Ca 315.887	210994.4	96.82	mg/L	0.080	96.82	mg/L	0.080 0.08%
QC value within limits for Ca 315.887 Recovery = 96.82%							
Ca 317.933	249241.3	97.75	mg/L	0.138	97.75	mg/L	0.138 0.14%
QC value within limits for Ca 317.933 Recovery = 97.75%							
Cd 214.440	-14.3	-0.0003	mg/L	0.00003	-0.0003	mg/L	0.00003 7.92%
Co 228.616	5.2	0.0002	mg/L	0.00011	0.0002	mg/L	0.00011 56.78%
Cr 267.716	79.0	0.0021	mg/L	0.00023	0.0021	mg/L	0.00023 11.18%
Cu 324.752	831.3	0.0027	mg/L	0.00025	0.0027	mg/L	0.00025 9.06%
Fe 238.204	175.8	0.0045	mg/L	0.00016	0.0045	mg/L	0.00016 3.63%
Fe 273.955	-42.0	-0.0024	mg/L	0.00001	-0.0024	mg/L	0.00001 0.55%
K 766.490	275858.3	98.01	mg/L	0.460	98.01	mg/L	0.460 0.47%
QC value within limits for K 766.490 Recovery = 98.01%							
Mg 279.077	23251.0	99.87	mg/L	0.598	99.87	mg/L	0.598 0.60%
QC value within limits for Mg 279.077 Recovery = 99.87%							
Mn 257.610	1453.7	0.0033	mg/L	0.00002	0.0033	mg/L	0.00002 0.55%
Mo 202.031	30.1	0.0065	mg/L	0.00037	0.0065	mg/L	0.00037 5.72%
Na 589.592	633485.8	98.00	mg/L	0.720	98.00	mg/L	0.720 0.73%
QC value within limits for Na 589.592 Recovery = 98.00%							
Na 330.237	781.5	100.6	mg/L	0.03	100.6	mg/L	0.03 0.03%
QC value within limits for Na 330.237 Recovery = 100.61%							
Ni 231.604	10.3	0.0005	mg/L	0.00044	0.0005	mg/L	0.00044 79.93%
Pb 220.353	-6.8	-0.0003	mg/L	0.00404	-0.0003	mg/L	0.00404 >999.9%
Sb 206.836	-5.9	-0.0053	mg/L	0.00084	-0.0053	mg/L	0.00084 15.72%
Se 196.026	-63.2	-0.0080	mg/L	0.02935	-0.0080	mg/L	0.02935 365.18%
Sn 189.927	-92.1	-0.0300	mg/L	0.00344	-0.0300	mg/L	0.00344 11.49%
Sr 407.771	231.9	0.0005	mg/L	0.00000	0.0005	mg/L	0.00000 0.35%
Sr 421.552	92.5	0.0004	mg/L	0.00002	0.0004	mg/L	0.00002 6.14%
Ti 334.940	3532.2	0.0093	mg/L	0.00044	0.0093	mg/L	0.00044 4.73%
Ti 190.801	-62.5	-0.0113	mg/L	0.00503	-0.0113	mg/L	0.00503 44.59%
V 290.880	-309.9	-0.0020	mg/L	0.00036	-0.0020	mg/L	0.00036 18.40%
W 207.912	25.7	0.0103	mg/L	0.00101	0.0103	mg/L	0.00101 9.81%
Y 371.029	1530.0						65.33 4.27%
Zn 206.200	6.8	0.0005	mg/L	0.00024	0.0005	mg/L	0.00024 51.36%
P 213.617	-8.8	-0.0066	mg/L	0.00602	-0.0066	mg/L	0.00602 91.44%
Si 251.611	455.7	0.0112	mg/L	0.00013	0.0112	mg/L	0.00013 1.18%
Li 670.784	-1132.3	-0.0164	mg/L	0.00008	-0.0164	mg/L	0.00008 0.50%
Li 610.362	-2698.6	-0.3838	mg/L	0.11840	-0.3838	mg/L	0.11840 30.85%
S 181.975	4.0	0.0162	mg/L	0.01895	0.0162	mg/L	0.01895 116.71%

All analyte(s) passed QC.

ALAB: 00205

Sequence No.: 11
 Sample ID: ICP_CCB(Daily)
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 8
 Date Collected: 10/17/2012 9:24:13 AM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Mean Data: ICP_CCB(Daily)

Analyte	Mean Corrected Intensity	Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Ag 328.068	65.0	0.0005 mg/L	0.00027	0.0005 mg/L	0.00027	53.44%
Al 308.215	-131.6	-0.0038 mg/L	0.00022	-0.0038 mg/L	0.00022	5.66%
As 188.979	-15.1	-0.0027 mg/L	0.00107	-0.0027 mg/L	0.00107	39.89%
B 249.677	2744.6	0.0307 mg/L	0.00018	0.0307 mg/L	0.00018	0.60%
Ba 233.527	11.8	0.0001 mg/L	0.00005	0.0001 mg/L	0.00005	40.18%
Be 313.107	-3.3	0.0000 mg/L	0.00005	0.0000 mg/L	0.00005	>999.9%
Bi 223.061	-3.8	-0.0017 mg/L	0.00315	-0.0017 mg/L	0.00315	183.46%
Bi 190.171	5.3	0.0065 mg/L	0.00297	0.0065 mg/L	0.00297	45.95%
Ca 315.887	81.0	0.0372 mg/L	0.00745	0.0372 mg/L	0.00745	20.05%
Ca 317.933	101.5	0.0398 mg/L	0.00412	0.0398 mg/L	0.00412	10.35%
Cd 214.440	19.0	0.0004 mg/L	0.00002	0.0004 mg/L	0.00002	4.84%
Co 228.616	-2.1	-0.0001 mg/L	0.00004	-0.0001 mg/L	0.00004	52.79%
Cr 267.716	5.5	0.0001 mg/L	0.00026	0.0001 mg/L	0.00026	184.01%
Cu 324.752	44.4	0.0001 mg/L	0.00008	0.0001 mg/L	0.00008	52.25%
Fe 238.204	-6.8	-0.0002 mg/L	0.00006	-0.0002 mg/L	0.00006	37.12%
Fe 273.955	-8.0	-0.0005 mg/L	0.00021	-0.0005 mg/L	0.00021	44.83%
K 766.490	163.5	0.0581 mg/L	0.00226	0.0581 mg/L	0.00226	3.89%
Mg 279.077	15.3	0.0655 mg/L	0.00578	0.0655 mg/L	0.00578	8.81%
Mn 257.610	17.4	0.0000 mg/L	0.00001	0.0000 mg/L	0.00001	16.90%
Mo 202.031	4.1	0.0009 mg/L	0.00032	0.0009 mg/L	0.00032	35.96%
QC value less than the lower limit for Mo 202.031 Recovery = 0.09%						
Na 589.592	379.6	0.0587 mg/L	0.01016	0.0587 mg/L	0.01016	17.30%
Na 330.237	6.4	0.8254 mg/L	0.52452	0.8254 mg/L	0.52452	63.55%
Ni 231.604	7.7	0.0004 mg/L	0.00014	0.0004 mg/L	0.00014	33.55%
Pb 220.353	-21.1	-0.0010 mg/L	0.00290	-0.0010 mg/L	0.00290	279.63%
Sb 206.836	7.2	0.0064 mg/L	0.00288	0.0064 mg/L	0.00288	44.85%
QC value less than the lower limit for Sb 206.836 Recovery = 0.64%						
Se 196.026	124.0	0.0158 mg/L	0.01744	0.0158 mg/L	0.01744	110.68%
Sn 189.927	4.4	0.0014 mg/L	0.00074	0.0014 mg/L	0.00074	51.37%
Sr 407.771	0.0	0.0000 mg/L	0.00002	0.0000 mg/L	0.00002	>999.9%
Sr 421.552	9.0	0.0000 mg/L	0.00038	0.0000 mg/L	0.00038	990.61%
Ti 334.940	134.3	0.0004 mg/L	0.00008	0.0004 mg/L	0.00008	22.57%
Tl 190.801	-17.4	-0.0031 mg/L	0.00102	-0.0031 mg/L	0.00102	32.43%
V 290.880	149.6	0.0009 mg/L	0.00013	0.0009 mg/L	0.00013	13.30%
W 207.912	2.9	0.0012 mg/L	0.00012	0.0012 mg/L	0.00012	10.60%
Y 371.029	1577.4				101.55	6.44%
Zn 206.200	3.8	0.0003 mg/L	0.00007	0.0003 mg/L	0.00007	28.42%
P 213.617	-3.6	-0.0027 mg/L	0.00083	-0.0027 mg/L	0.00083	30.76%
Si 251.611	-97.5	-0.0024 mg/L	0.00044	-0.0024 mg/L	0.00044	18.17%
Li 670.784	-619.5	-0.0090 mg/L	0.00474	-0.0090 mg/L	0.00474	52.77%
Li 610.362	-14.6	-0.0021 mg/L	0.05364	-0.0021 mg/L	0.05364	>999.9%
S 181.975	-8.6	-0.0353 mg/L	0.02734	-0.0353 mg/L	0.02734	77.39%

QC Failed. Continue with analysis.

ALAB: 00207

Sequence No.: 13
 Sample ID: ICSA(3-22-12)
 Analyst: nina
 Initial Sample Wt:
 Dilution:

Autosampler Location: 12
 Date Collected: 10/17/2012 9:35:01 AM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Mean Data: ICSA(3-22-12)

Analyte	Mean Corrected Intensity	Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Ag 328.068	356.7	0.0027 mg/L	0.00071	0.0027 mg/L	0.00071	25.99%
Al 308.215	11923870.5	344.1 mg/L	9.25	344.1 mg/L	9.25	2.69%
As 188.979	-89.8	-0.0160 mg/L	0.01190	-0.0160 mg/L	0.01190	74.49%
B 249.677	-1663.1	-0.0186 mg/L	0.00259	-0.0186 mg/L	0.00259	13.95%
Ba 233.527	659.2	0.0064 mg/L	0.00063	0.0064 mg/L	0.00063	9.84%
Be 313.107	-640.2	-0.0003 mg/L	0.00007	-0.0003 mg/L	0.00007	26.38%
Bi 223.061	98.0	0.0438 mg/L	0.00294	0.0438 mg/L	0.00294	6.71%
Bi 190.171	87.4	0.1060 mg/L	0.00070	0.1060 mg/L	0.00070	0.66%
Ca 315.887	897645.4	411.9 mg/L	12.85	411.9 mg/L	12.85	3.12%
Ca 317.933	1053240.1	413.1 mg/L	12.60	413.1 mg/L	12.60	3.05%
Cd 214.440	180.3	0.0041 mg/L	0.00028	0.0041 mg/L	0.00028	6.79%
Co 228.616	36.6	0.0014 mg/L	0.00004	0.0014 mg/L	0.00004	2.81%
Cr 267.716	242.7	0.0063 mg/L	0.00039	0.0063 mg/L	0.00039	6.11%
Cu 324.752	-2334.9	-0.0076 mg/L	0.00046	-0.0076 mg/L	0.00046	5.99%
Fe 238.204	4976541.2	126.0 mg/L	1.95	126.0 mg/L	1.95	1.55%
Fe 273.955	2394387.4	139.3 mg/L	0.75	139.3 mg/L	0.75	0.54%
K 766.490	790.8	0.2810 mg/L	0.06462	0.2810 mg/L	0.06462	23.00%
Mg 279.077	100308.5	430.9 mg/L	15.77	430.9 mg/L	15.77	3.66%
Mn 257.610	654.4	0.0015 mg/L	0.00036	0.0015 mg/L	0.00036	24.13%
Mo 202.031	44.7	0.0097 mg/L	0.00186	0.0097 mg/L	0.00186	19.19%
Na 589.592	1047.7	0.1621 mg/L	0.00486	0.1621 mg/L	0.00486	3.00%
Na 330.237	18.8	2.419 mg/L	0.2233	2.419 mg/L	0.2233	9.23%
Ni 231.604	19.4	0.0010 mg/L	0.00049	0.0010 mg/L	0.00049	47.55%
Pb 220.353	-35.5	-0.0017 mg/L	0.00368	-0.0017 mg/L	0.00368	211.77%
Sb 206.836	-36.2	-0.0325 mg/L	0.00785	-0.0325 mg/L	0.00785	24.14%
Se 196.026	-642.9	-0.0817 mg/L	0.04929	-0.0817 mg/L	0.04929	60.32%
Sn 189.927	-58.1	-0.0189 mg/L	0.00815	-0.0189 mg/L	0.00815	43.07%
Sr 407.771	3494.8	0.0083 mg/L	0.00001	0.0083 mg/L	0.00001	0.10%
Sr 421.552	1958.9	0.0083 mg/L	0.00001	0.0083 mg/L	0.00001	0.14%
Ti 334.940	4029.5	0.0106 mg/L	0.00020	0.0106 mg/L	0.00020	1.90%
Tl 190.801	-119.2	-0.0215 mg/L	0.00133	-0.0215 mg/L	0.00133	6.21%
V 290.880	328.4	-0.0075 mg/L	0.00133	-0.0075 mg/L	0.00133	17.66%
W 207.912	169.8	0.0678 mg/L	0.00203	0.0678 mg/L	0.00203	2.99%
Y 371.029	1382.3				6.76	0.49%
Zn 206.200	69.2	0.0046 mg/L	0.00042	0.0046 mg/L	0.00042	9.00%
P 213.617	-93.2	-0.0697 mg/L	0.00930	-0.0697 mg/L	0.00930	13.34%
Si 251.611	694.8	0.0172 mg/L	0.01161	0.0172 mg/L	0.01161	67.70%
Li 670.784	-233.3	-0.0034 mg/L	0.01119	-0.0034 mg/L	0.01119	331.08%
Li 610.362	-7930.2	-1.128 mg/L	0.0063	-1.128 mg/L	0.0063	0.56%
S 181.975	-59.4	-0.2434 mg/L	0.02289	-0.2434 mg/L	0.02289	9.41%

ALAB: 00208

Sequence No.: 14
 Sample ID: ICSAB(3-22-12)
 Analyst: nina
 Initial Sample Wt:
 Dilution:

Autosampler Location: 13
 Date Collected: 10/17/2012 9:37:39 AM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Mean Data: ICSAB(3-22-12)

Analyte	Mean Corrected Intensity	Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Ag 328.068	142176.5	1.088 mg/L	0.0092	1.088 mg/L	0.0092	0.85%
Al 308.215	12523670.3	361.4 mg/L	14.88	361.4 mg/L	14.88	4.12%
As 188.979	-167.3	-0.0298 mg/L	0.00033	-0.0298 mg/L	0.00033	1.10%
B 249.677	-216.9	-0.0024 mg/L	0.00285	-0.0024 mg/L	0.00285	117.83%
Ba 233.527	53486.1	0.5183 mg/L	0.01261	0.5183 mg/L	0.01261	2.43%
Be 313.107	1138424.4	0.4955 mg/L	0.00721	0.4955 mg/L	0.00721	1.46%
Bi 223.061	21.5	0.0096 mg/L	0.00922	0.0096 mg/L	0.00922	95.92%
Bi 190.171	59.9	0.0726 mg/L	0.00708	0.0726 mg/L	0.00708	9.74%
Ca 315.887	945789.4	434.0 mg/L	16.59	434.0 mg/L	16.59	3.82%
Ca 317.933	1104407.8	433.2 mg/L	16.91	433.2 mg/L	16.91	3.90%
Cd 214.440	41046.8	0.9415 mg/L	0.01490	0.9415 mg/L	0.01490	1.58%
Co 228.616	11496.9	0.4390 mg/L	0.00168	0.4390 mg/L	0.00168	0.38%
Cr 267.716	19162.6	0.4977 mg/L	0.01616	0.4977 mg/L	0.01616	3.25%
Cu 324.752	152732.1	0.4994 mg/L	0.00646	0.4994 mg/L	0.00646	1.29%
Fe 238.204	5161788.4	130.7 mg/L	2.31	130.7 mg/L	2.31	1.76%
Fe 273.955	2490452.9	144.9 mg/L	3.22	144.9 mg/L	3.22	2.22%
K 766.490	922.9	0.3279 mg/L	0.26416	0.3279 mg/L	0.26416	80.56%
Mg 279.077	105378.5	452.6 mg/L	17.40	452.6 mg/L	17.40	3.84%
Mn 257.610	208237.3	0.4749 mg/L	0.00878	0.4749 mg/L	0.00878	1.85%
Mo 202.031	37.9	0.0082 mg/L	0.00224	0.0082 mg/L	0.00224	27.27%
Na 589.592	1254.6	0.1941 mg/L	0.00345	0.1941 mg/L	0.00345	1.78%
Na 330.237	10.3	1.325 mg/L	0.3114	1.325 mg/L	0.3114	23.50%
Ni 231.604	16478.2	0.8713 mg/L	0.00412	0.8713 mg/L	0.00412	0.47%
Pb 220.353	17792.8	0.8716 mg/L	0.00768	0.8716 mg/L	0.00768	0.88%
Sb 206.836	-36.4	-0.0327 mg/L	0.00841	-0.0327 mg/L	0.00841	25.74%
Se 196.026	-448.2	-0.0570 mg/L	0.02446	-0.0570 mg/L	0.02446	42.95%
Sn 189.927	-142.9	-0.0465 mg/L	0.00282	-0.0465 mg/L	0.00282	6.06%
Sr 407.771	3952.5	0.0093 mg/L	0.00003	0.0093 mg/L	0.00003	0.33%
Sr 421.552	2218.4	0.0094 mg/L	0.00005	0.0094 mg/L	0.00005	0.53%
Ti 334.940	3949.7	0.0104 mg/L	0.00126	0.0104 mg/L	0.00126	12.13%
Tl 190.801	-127.3	-0.0230 mg/L	0.01012	-0.0230 mg/L	0.01012	44.05%
V 290.880	80161.8	0.4966 mg/L	0.00748	0.4966 mg/L	0.00748	1.51%
W 207.912	131.4	0.0525 mg/L	0.00178	0.0525 mg/L	0.00178	3.39%
Y 371.029	1510.8				125.47	8.31%
Zn 206.200	13371.2	0.8973 mg/L	0.00317	0.8973 mg/L	0.00317	0.35%
P 213.617	-818.7	-0.6123 mg/L	0.01665	-0.6123 mg/L	0.01665	2.72%
Si 251.611	464.0	0.0115 mg/L	0.00061	0.0115 mg/L	0.00061	5.36%
Li 670.784	19.6	0.0003 mg/L	0.00544	0.0003 mg/L	0.00544	>999.9%
Li 610.362	-8046.3	-1.144 mg/L	0.1145	-1.144 mg/L	0.1145	10.01%
S 181.975	-55.3	-0.2267 mg/L	0.03595	-0.2267 mg/L	0.03595	15.86%

ALAB: 00209

Sequence No.: 22
 Sample ID: ICP_CCv(7-6-12)
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 7
 Date Collected: 10/17/2012 10:08:26 AM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Mean Data: ICP_CCv(7-6-12)

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Ag 328.068	70130.1	0.5368 mg/L		0.01902	0.5368 mg/L	0.01902	3.54%
QC value within limits for Ag 328.068 Recovery = 107.35%							
Al 308.215	35733.8	1.031 mg/L		0.0202	1.031 mg/L	0.0202	1.96%
QC value within limits for Al 308.215 Recovery = 103.13%							
As 188.979	5897.0	1.050 mg/L		0.0086	1.050 mg/L	0.0086	0.82%
QC value within limits for As 188.979 Recovery = 104.97%							
B 249.677	102150.8	1.141 mg/L		0.0397	1.141 mg/L	0.0397	3.48%
QC value greater than the upper limit for B 249.677 Recovery = 114.13%							
Ba 233.527	112863.4	1.094 mg/L		0.0333	1.094 mg/L	0.0333	3.04%
QC value within limits for Ba 233.527 Recovery = 109.36%							
Be 313.107	2395443.9	1.043 mg/L		0.0339	1.043 mg/L	0.0339	3.25%
QC value within limits for Be 313.107 Recovery = 104.27%							
Bi 223.061	-75.4	-0.0337 mg/L		0.00149	-0.0337 mg/L	0.00149	4.44%
Bi 190.171	11.1	0.0134 mg/L		0.00234	0.0134 mg/L	0.00234	17.42%
Ca 315.887	2394.6	1.099 mg/L		0.0090	1.099 mg/L	0.0090	0.82%
Ca 317.933	2829.2	1.110 mg/L		0.0072	1.110 mg/L	0.0072	0.65%
Cd 214.440	45574.6	1.045 mg/L		0.0336	1.045 mg/L	0.0336	3.21%
QC value within limits for Cd 214.440 Recovery = 104.54%							
Co 228.616	27145.5	1.036 mg/L		0.0375	1.036 mg/L	0.0375	3.62%
QC value within limits for Co 228.616 Recovery = 103.65%							
Cr 267.716	41931.5	1.089 mg/L		0.0341	1.089 mg/L	0.0341	3.13%
QC value within limits for Cr 267.716 Recovery = 108.91%							
Cu 324.752	308506.7	1.009 mg/L		0.0295	1.009 mg/L	0.0295	2.92%
QC value within limits for Cu 324.752 Recovery = 100.87%							
Fe 238.204	42666.5	1.081 mg/L		0.0386	1.081 mg/L	0.0386	3.58%
QC value within limits for Fe 238.204 Recovery = 108.06%							
Fe 273.955	18106.1	1.053 mg/L		0.0189	1.053 mg/L	0.0189	1.80%
QC value within limits for Fe 273.955 Recovery = 105.33%							
K 766.490	26233.5	9.321 mg/L		0.5659	9.321 mg/L	0.5659	6.07%
Ag 279.077	268.5	1.153 mg/L		0.0125	1.153 mg/L	0.0125	1.08%
Mn 257.610	467225.2	1.066 mg/L		0.0359	1.066 mg/L	0.0359	3.37%
QC value within limits for Mn 257.610 Recovery = 106.56%							
Mo 202.031	4692.6	1.019 mg/L		0.0441	1.019 mg/L	0.0441	4.32%
QC value within limits for Mo 202.031 Recovery = 101.90%							
Ni 589.592	5898.7	0.9126 mg/L		0.04297	0.9126 mg/L	0.04297	4.71%
Ni 330.237	-8.1	-1.042 mg/L		0.6518	-1.042 mg/L	0.6518	62.57%
Ni 231.604	19907.7	1.053 mg/L		0.0422	1.053 mg/L	0.0422	4.01%
QC value within limits for Ni 231.604 Recovery = 105.26%							
Pb 220.353	21052.6	1.031 mg/L		0.0339	1.031 mg/L	0.0339	3.28%
QC value within limits for Pb 220.353 Recovery = 103.13%							
Sb 206.836	1146.8	1.029 mg/L		0.0006	1.029 mg/L	0.0006	0.06%
QC value within limits for Sb 206.836 Recovery = 102.86%							
Se 196.026	8490.9	1.079 mg/L		0.0080	1.079 mg/L	0.0080	0.74%
QC value within limits for Se 196.026 Recovery = 107.92%							
Sr 189.927	-9.2	-0.0030 mg/L		0.00004	-0.0030 mg/L	0.00004	1.48%
Sr 407.771	374961.6	0.8866 mg/L		0.04960	0.8866 mg/L	0.04960	5.59%
QC value less than the lower limit for Sr 407.771 Recovery = 88.66%							
Sr 421.552	211340.2	0.8923 mg/L		0.04544	0.8923 mg/L	0.04544	5.09%
QC value less than the lower limit for Sr 421.552 Recovery = 89.23%							
Ti 334.940	409307.2	1.077 mg/L		0.0405	1.077 mg/L	0.0405	3.76%
QC value within limits for Ti 334.940 Recovery = 107.70%							
Tl 190.801	6031.5	1.088 mg/L		0.0081	1.088 mg/L	0.0081	0.75%
QC value within limits for Tl 190.801 Recovery = 108.81%							
V 290.880	164704.7	1.041 mg/L		0.0309	1.041 mg/L	0.0309	2.97%
QC value within limits for V 290.880 Recovery = 104.08%							
V 207.912	44.3	0.0177 mg/L		0.00040	0.0177 mg/L	0.00040	2.24%
V 371.029	1813.2					300.86	16.59%
Zn 206.200	15366.0	1.031 mg/L		0.0401	1.031 mg/L	0.0401	3.89%
QC value within limits for Zn 206.200 Recovery = 103.11%							
Zn 213.617	-1878.4	-1.405 mg/L		0.0839	-1.405 mg/L	0.0839	5.97%
Zn 251.611	40282.3	0.9944 mg/L		0.02863	0.9944 mg/L	0.02863	2.88%
QC value within limits for Zn 251.611 Recovery = 99.44%							
Zn 670.784	58337.7	0.8451 mg/L		0.04019	0.8451 mg/L	0.04019	4.76%
Zn 610.362	5754.0	0.8184 mg/L		0.00450	0.8184 mg/L	0.00450	0.55%

Sequence No.: 23
 Sample ID: ICP_CCVGM(7-6-12)
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 6
 Date Collected: 10/17/2012 10:11:00 AM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Mean Data: ICP_CCVGM(7-6-12)

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Ag 328.068	181.9	0.0014 mg/L	0.00039	0.0014 mg/L	0.00039	27.72%
Al 308.215	-486.9	-0.0141 mg/L	0.00188	-0.0141 mg/L	0.00188	13.36%
As 188.979	21.6	0.0038 mg/L	0.00289	0.0038 mg/L	0.00289	75.03%
B 249.677	12459.4	0.1392 mg/L	0.00118	0.1392 mg/L	0.00118	0.84%
Ba 233.527	94.0	0.0009 mg/L	0.00020	0.0009 mg/L	0.00020	21.69%
Be 313.107	556.2	0.0002 mg/L	0.00005	0.0002 mg/L	0.00005	20.67%
Bi 223.061	-4.2	-0.0019 mg/L	0.00275	-0.0019 mg/L	0.00275	147.46%
Bi 190.171	19.2	0.0233 mg/L	0.00600	0.0233 mg/L	0.00600	25.74%
Ca 315.887	229150.4	105.2 mg/L	9.48	105.2 mg/L	9.48	9.01%
QC value within limits for Ca 315.887 Recovery = 105.15%						
Ca 317.933	267748.7	105.0 mg/L	9.42	105.0 mg/L	9.42	8.97%
QC value within limits for Ca 317.933 Recovery = 105.01%						
Cd 214.440	56.9	0.0013 mg/L	0.00003	0.0013 mg/L	0.00003	1.93%
Co 228.616	19.5	0.0007 mg/L	0.00024	0.0007 mg/L	0.00024	31.96%
Cr 267.716	92.1	0.0024 mg/L	0.00027	0.0024 mg/L	0.00027	11.24%
Cu 324.752	974.9	0.0032 mg/L	0.00012	0.0032 mg/L	0.00012	3.84%
Fe 238.204	251.1	0.0064 mg/L	0.00031	0.0064 mg/L	0.00031	4.95%
Fe 273.955	-25.0	-0.0015 mg/L	0.00025	-0.0015 mg/L	0.00025	17.39%
K 766.490	295062.5	104.8 mg/L	9.51	104.8 mg/L	9.51	9.07%
QC value within limits for K 766.490 Recovery = 104.84%						
Mg 279.077	24820.7	106.6 mg/L	0.72	106.6 mg/L	0.72	0.68%
QC value within limits for Mg 279.077 Recovery = 106.61%						
Mn 257.610	1646.2	0.0038 mg/L	0.00006	0.0038 mg/L	0.00006	1.65%
Mo 202.031	35.7	0.0077 mg/L	0.00159	0.0077 mg/L	0.00159	20.51%
Na 589.592	682736.0	105.6 mg/L	9.80	105.6 mg/L	9.80	9.28%
QC value within limits for Na 589.592 Recovery = 105.62%						
Na 330.237	809.8	104.2 mg/L	1.13	104.2 mg/L	1.13	1.08%
QC value within limits for Na 330.237 Recovery = 104.25%						
Ni 231.604	16.3	0.0009 mg/L	0.00005	0.0009 mg/L	0.00005	6.31%
Pb 220.353	43.2	0.0021 mg/L	0.00148	0.0021 mg/L	0.00148	69.75%
Pb 206.836	11.0	0.0099 mg/L	0.00080	0.0099 mg/L	0.00080	8.06%
Se 196.026	33.5	0.0043 mg/L	0.02523	0.0043 mg/L	0.02523	592.73%
Sn 189.927	-90.9	-0.0296 mg/L	0.00141	-0.0296 mg/L	0.00141	4.76%
Sr 407.771	366.8	0.0009 mg/L	0.00009	0.0009 mg/L	0.00009	9.87%
Sr 421.552	180.1	0.0008 mg/L	0.00007	0.0008 mg/L	0.00007	8.64%
Ti 334.940	3812.6	0.0100 mg/L	0.00011	0.0100 mg/L	0.00011	1.14%
Tl 190.801	-50.5	-0.0091 mg/L	0.00269	-0.0091 mg/L	0.00269	29.53%
V 290.880	-170.4	-0.0011 mg/L	0.00058	-0.0011 mg/L	0.00058	53.97%
V 207.912	30.2	0.0120 mg/L	0.00284	0.0120 mg/L	0.00284	23.61%
Zr 371.029	1534.6				43.98	2.87%
Zn 206.200	15.7	0.0011 mg/L	0.00022	0.0011 mg/L	0.00022	20.83%
Zn 213.617	-9.3	-0.0069 mg/L	0.00179	-0.0069 mg/L	0.00179	25.91%
Zn 251.611	482.9	0.0119 mg/L	0.00036	0.0119 mg/L	0.00036	3.01%
Zn 670.784	-236.6	-0.0034 mg/L	0.00044	-0.0034 mg/L	0.00044	12.79%
Zn 610.362	-1624.9	-0.2311 mg/L	0.04871	-0.2311 mg/L	0.04871	21.08%
Zn 181.975	6.8	0.0278 mg/L	0.03137	0.0278 mg/L	0.03137	112.95%

All analyte(s) passed QC.

ALAB: 00211

Sequence No.: 24
 Sample ID: ICP_CCB(Daily)
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 8
 Date Collected: 10/17/2012 10:13:35 AM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Mean Data: ICP_CCB(Daily)

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Conc. Units	Sample	Std.Dev.	RSD
Ag 328.068	1533.6	0.0117 mg/L		0.00075	0.0117 mg/L		0.00075	6.37%
Al 308.215	-136.7	-0.0039 mg/L		0.00088	-0.0039 mg/L		0.00088	22.37%
As 188.979	12.6	0.0022 mg/L		0.00001	0.0022 mg/L		0.00001	0.59%
B 249.677	11495.6	0.1284 mg/L		0.00007	0.1284 mg/L		0.00007	0.06%
Ba 233.527	33.4	0.0003 mg/L		0.00011	0.0003 mg/L		0.00011	34.63%
Be 313.107	184.0	0.0001 mg/L		0.00003	0.0001 mg/L		0.00003	33.12%
Bi 223.061	-11.4	-0.0051 mg/L		0.00527	-0.0051 mg/L		0.00527	103.54%
Bi 190.171	4.3	0.0052 mg/L		0.00818	0.0052 mg/L		0.00818	156.36%
Ca 315.887	92.3	0.0424 mg/L		0.00903	0.0424 mg/L		0.00903	21.32%
Ca 317.933	115.6	0.0453 mg/L		0.00278	0.0453 mg/L		0.00278	6.13%
Cd 214.440	64.0	0.0015 mg/L		0.00004	0.0015 mg/L		0.00004	2.85%
Co 228.616	13.7	0.0005 mg/L		0.00031	0.0005 mg/L		0.00031	58.20%
Cr 267.716	15.0	0.0004 mg/L		0.00002	0.0004 mg/L		0.00002	6.39%
Cu 324.752	94.5	0.0003 mg/L		0.00024	0.0003 mg/L		0.00024	77.63%
Fe 238.204	36.1	0.0009 mg/L		0.00005	0.0009 mg/L		0.00005	5.85%
Fe 273.955	9.2	0.0005 mg/L		0.00065	0.0005 mg/L		0.00065	121.81%
K 766.490	158.4	0.0563 mg/L		0.00948	0.0563 mg/L		0.00948	16.85%
Mg 279.077	19.3	0.0828 mg/L		0.00585	0.0828 mg/L		0.00585	7.06%
Mn 257.610	79.3	0.0002 mg/L		0.00001	0.0002 mg/L		0.00001	5.15%
Mo 202.031	7.6	0.0017 mg/L		0.00040	0.0017 mg/L		0.00040	23.90%
QC value less than the lower limit for Mo 202.031				Recovery = 0.17%				
Na 589.592	-1.7	-0.0003 mg/L		0.02340	-0.0003 mg/L		0.02340	>999.9%
Na 330.237	1.7	0.2224 mg/L		0.60320	0.2224 mg/L		0.60320	271.20%
Ni 231.604	6.8	0.0004 mg/L		0.00019	0.0004 mg/L		0.00019	53.78%
Pb 220.353	21.4	0.0010 mg/L		0.00095	0.0010 mg/L		0.00095	90.61%
Sb 206.836	9.0	0.0081 mg/L		0.00127	0.0081 mg/L		0.00127	15.66%
QC value less than the lower limit for Sb 206.836				Recovery = 0.81%				
Se 196.026	-114.6	-0.0146 mg/L		0.01037	-0.0146 mg/L		0.01037	71.25%
Sn 189.927	5.6	0.0018 mg/L		0.00100	0.0018 mg/L		0.00100	55.42%
Sr 407.771	83.0	0.0002 mg/L		0.00014	0.0002 mg/L		0.00014	68.93%
Sr 421.552	-6.6	0.0000 mg/L		0.00011	0.0000 mg/L		0.00011	396.36%
Ti 334.940	138.2	0.0004 mg/L		0.00014	0.0004 mg/L		0.00014	37.22%
Tl 190.801	5.3	0.0010 mg/L		0.00356	0.0010 mg/L		0.00356	371.58%
V 290.880	70.9	0.0004 mg/L		0.00002	0.0004 mg/L		0.00002	5.02%
W 207.912	4.5	0.0018 mg/L		0.00040	0.0018 mg/L		0.00040	21.81%
Y 371.029	1526.8						93.07	6.10%
Zn 206.200	7.3	0.0005 mg/L		0.00015	0.0005 mg/L		0.00015	30.43%
P 213.617	6.6	0.0049 mg/L		0.00278	0.0049 mg/L		0.00278	56.12%
Si 251.611	-149.2	-0.0037 mg/L		0.00012	-0.0037 mg/L		0.00012	3.15%
Li 670.784	-16.6	-0.0002 mg/L		0.00349	-0.0002 mg/L		0.00349	>999.9%
Li 610.362	3.5	0.0005 mg/L		0.01478	0.0005 mg/L		0.01478	>999.9%
S 181.975	-6.8	-0.0277 mg/L		0.01447	-0.0277 mg/L		0.01447	52.29%
QC Failed. Continue with analysis.								

ALAB: 00212

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Analysis Begun

Start Time: 10/17/2012 10:35:35 AM

Plasma On Time: 10/17/2012 7:49:05 AM

Logged In Analyst: kedy

Technique: ICP Continuous

Spectrometer Model: Optima 4300 DV, S/N 077N1091901Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\10-17-12.sif

Batch ID: 10-17-12

Results Data Set: 10-17-12

Results Library: C:\pe\Administrator\Results\Results.mdb

=====
Sequence No.: 30

Autosampler Location: 26

Sample ID: 0.5 ppm CAM(daily)

Date Collected: 10/17/2012 10:35:35 AM

Analyst: nina

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Mean Data: 0.5 ppm CAM(daily)

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	34714.7	0.2657	mg/L	0.00017	0.2657	mg/L	0.00017	0.06%
Al 308.215	17908.1	0.5168	mg/L	0.00288	0.5168	mg/L	0.00288	0.56%
As 188.979	2913.5	0.5186	mg/L	0.00327	0.5186	mg/L	0.00327	0.63%
B 249.677	50767.4	0.5672	mg/L	0.00025	0.5672	mg/L	0.00025	0.04%
Ba 233.527	56142.2	0.5440	mg/L	0.00002	0.5440	mg/L	0.00002	0.00%
Be 313.107	1110629.7	0.4834	mg/L	0.01059	0.4834	mg/L	0.01059	2.19%
Bi 223.061	-35.1	-0.0157	mg/L	0.00260	-0.0157	mg/L	0.00260	16.58%
Bi 190.171	9.5	0.0115	mg/L	0.00243	0.0115	mg/L	0.00243	21.15%
Ca 315.887	1124.5	0.5160	mg/L	0.00740	0.5160	mg/L	0.00740	1.43%
Ca 317.933	1333.3	0.5229	mg/L	0.00904	0.5229	mg/L	0.00904	1.73%
Cd 214.440	22508.9	0.5163	mg/L	0.00323	0.5163	mg/L	0.00323	0.63%
Co 228.616	13532.2	0.5167	mg/L	0.00459	0.5167	mg/L	0.00459	0.89%
Cr 267.716	20418.5	0.5303	mg/L	0.00410	0.5303	mg/L	0.00410	0.77%
Cu 324.752	158852.1	0.5194	mg/L	0.00019	0.5194	mg/L	0.00019	0.04%
Fe 238.204	21248.5	0.5381	mg/L	0.00030	0.5381	mg/L	0.00030	0.06%
Fe 273.955	8983.6	0.5226	mg/L	0.00635	0.5226	mg/L	0.00635	1.22%
K 766.490	13772.1	4.893	mg/L	0.1033	4.893	mg/L	0.1033	2.11%
Mg 279.077	134.7	0.5785	mg/L	0.03680	0.5785	mg/L	0.03680	6.36%
Mn 257.610	229503.5	0.5234	mg/L	0.00973	0.5234	mg/L	0.00973	1.86%
Mo 202.031	2119.7	0.4603	mg/L	0.00010	0.4603	mg/L	0.00010	0.02%
Na 589.592	3163.8	0.4894	mg/L	0.02015	0.4894	mg/L	0.02015	4.12%
Na 330.237	-12.2	-1.565	mg/L	0.0903	-1.565	mg/L	0.0903	5.77%
Ni 231.604	9973.5	0.5273	mg/L	0.00085	0.5273	mg/L	0.00085	0.16%
Pb 220.353	10458.8	0.5124	mg/L	0.00512	0.5124	mg/L	0.00512	1.00%
Sb 206.836	546.9	0.4905	mg/L	0.00999	0.4905	mg/L	0.00999	2.04%
Se 196.026	3882.7	0.4935	mg/L	0.00776	0.4935	mg/L	0.00776	1.57%
Sn 189.927	-5.6	-0.0018	mg/L	0.00055	-0.0018	mg/L	0.00055	30.51%
Sr 407.771	222386.2	0.5258	mg/L	0.02296	0.5258	mg/L	0.02296	4.37%
Sr 421.552	125181.4	0.5285	mg/L	0.02081	0.5285	mg/L	0.02081	3.94%
Ti 334.940	199157.4	0.5240	mg/L	0.01057	0.5240	mg/L	0.01057	2.02%
Tl 190.801	3059.5	0.5519	mg/L	0.00554	0.5519	mg/L	0.00554	1.00%
V 290.880	79687.8	0.5036	mg/L	0.00014	0.5036	mg/L	0.00014	0.03%
W 207.912	12.9	0.0052	mg/L	0.00273	0.0052	mg/L	0.00273	52.99%
Y 371.029	1520.9						11.56	0.76%
Zn 206.200	7595.8	0.5097	mg/L	0.00656	0.5097	mg/L	0.00656	1.29%
P 213.617	-914.4	-0.6838	mg/L	0.00489	-0.6838	mg/L	0.00489	0.72%
Si 251.611	20297.9	0.5011	mg/L	0.01390	0.5011	mg/L	0.01390	2.77%
Li 670.784	32175.9	0.4661	mg/L	0.01474	0.4661	mg/L	0.01474	3.16%
Li 610.362	4075.9	0.5797	mg/L	0.20055	0.5797	mg/L	0.20055	34.59%
S 181.975	-3.0	-0.0122	mg/L	0.01155	-0.0122	mg/L	0.01155	94.27%

ALAB: 00213

Sequence No.: 31
 Sample ID: CCB(daily)
 Analyst: nina
 Initial Sample Wt:
 Dilution:

Autosampler Location: 1
 Date Collected: 10/17/2012 10:38:12 AM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Mean Data: CCB(daily)

Analyte	Mean Corrected Intensity	Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Ag 328.068	4799.7	0.0367 mg/L	0.00359	0.0367 mg/L	0.00359	9.79%
Al 308.215	18.6	0.0005 mg/L	0.00062	0.0005 mg/L	0.00062	116.33%
As 188.979	-5.0	-0.0009 mg/L	0.00049	-0.0009 mg/L	0.00049	54.44%
B 249.677	6468.5	0.0723 mg/L	0.00205	0.0723 mg/L	0.00205	2.84%
Ba 233.527	53.4	0.0005 mg/L	0.00005	0.0005 mg/L	0.00005	8.84%
Be 313.107	429.3	0.0002 mg/L	0.00004	0.0002 mg/L	0.00004	23.93%
Bi 223.061	-3.3	-0.0015 mg/L	0.00061	-0.0015 mg/L	0.00061	41.30%
Bi 190.171	7.8	0.0095 mg/L	0.01024	0.0095 mg/L	0.01024	108.07%
Ca 315.887	-3.3	-0.0015 mg/L	0.00568	-0.0015 mg/L	0.00568	379.45%
Ca 317.933	14.4	0.0056 mg/L	0.00258	0.0056 mg/L	0.00258	45.68%
Cd 214.440	34.2	0.0008 mg/L	0.00005	0.0008 mg/L	0.00005	6.07%
Co 228.616	4.9	0.0002 mg/L	0.00010	0.0002 mg/L	0.00010	55.41%
Cr 267.716	10.4	0.0003 mg/L	0.00002	0.0003 mg/L	0.00002	6.89%
Cu 324.752	207.6	0.0007 mg/L	0.00009	0.0007 mg/L	0.00009	13.18%
Fe 238.204	87.5	0.0022 mg/L	0.00026	0.0022 mg/L	0.00026	11.56%
Fe 273.955	27.8	0.0016 mg/L	0.00033	0.0016 mg/L	0.00033	20.48%
K 766.490	-246.5	-0.0876 mg/L	0.04660	-0.0876 mg/L	0.04660	53.21%
Mg 279.077	6.6	0.0282 mg/L	0.00774	0.0282 mg/L	0.00774	27.49%
Mn 257.610	118.8	0.0003 mg/L	0.00002	0.0003 mg/L	0.00002	8.11%
Mo 202.031	12.9	0.0028 mg/L	0.00073	0.0028 mg/L	0.00073	26.02%
Na 589.592	-347.2	-0.0537 mg/L	0.02200	-0.0537 mg/L	0.02200	40.96%
Na 330.237	3.3	0.4195 mg/L	0.71473	0.4195 mg/L	0.71473	170.37%
Ni 231.604	2.8	0.0002 mg/L	0.00003	0.0002 mg/L	0.00003	19.87%
Pb 220.353	75.1	0.0037 mg/L	0.00076	0.0037 mg/L	0.00076	20.68%
Sb 206.836	26.5	0.0238 mg/L	0.00509	0.0238 mg/L	0.00509	21.39%
Se 196.026	38.6	0.0049 mg/L	0.00684	0.0049 mg/L	0.00684	139.63%
Sn 189.927	-0.8	-0.0003 mg/L	0.00075	-0.0003 mg/L	0.00075	277.12%
Sr 407.771	215.1	0.0005 mg/L	0.00023	0.0005 mg/L	0.00023	45.05%
Sr 421.552	102.3	0.0004 mg/L	0.00008	0.0004 mg/L	0.00008	17.59%
Ti 334.940	288.5	0.0008 mg/L	0.00021	0.0008 mg/L	0.00021	27.35%
Tl 190.801	-2.4	-0.0004 mg/L	0.00748	-0.0004 mg/L	0.00748	>999.9%
V 290.880	174.7	0.0011 mg/L	0.00079	0.0011 mg/L	0.00079	71.49%
W 207.912	2.8	0.0011 mg/L	0.00059	0.0011 mg/L	0.00059	52.63%
Y 371.029	1675.8				109.65	6.54%
Zn 206.200	9.7	0.0007 mg/L	0.00007	0.0007 mg/L	0.00007	10.07%
P 213.617	9.0	0.0067 mg/L	0.00167	0.0067 mg/L	0.00167	24.88%
Si 251.611	-126.6	-0.0031 mg/L	0.00030	-0.0031 mg/L	0.00030	9.67%
Li 670.784	-230.8	-0.0033 mg/L	0.00433	-0.0033 mg/L	0.00433	129.44%
Li 610.362	-138.6	-0.0197 mg/L	0.00762	-0.0197 mg/L	0.00762	38.65%
S 181.975	-7.8	-0.0318 mg/L	0.01376	-0.0318 mg/L	0.01376	43.33%

ALAB: 00214

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Analysis Begun

Start Time: 10/17/2012 12:15:41 PM

Plasma On Time: 10/17/2012 11:56:53 AM

Logged In Analyst: kedy

Technique: ICP Continuous

Spectrometer Model: Optima 4300 DV, S/N 077N1091901 Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\10-17-12.sif

Batch ID: 10-17-12

Results Data Set: 10-17-12

Results Library: C:\pe\Administrator\Results\Results.mdb
=====

Sequence No.: 1

Autosampler Location: 1

Sample ID: Calib Blank 1

Date Collected: 10/17/2012 12:15:41 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:
=====

Mean Data: Calib Blank 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc. Units
Ag 328.068	669.3	11.67	1.74%	[0.00] mg/L
Al 308.215	2798.0	83.98	3.00%	[0.00] mg/L
As 188.979	24.7	4.39	17.73%	[0.00] mg/L
B 249.677	5923.2	170.51	2.88%	[0.00] mg/L
Ba 233.527	-67.8	8.88	13.09%	[0.00] mg/L
Be 313.107	-3419.2	32.32	0.95%	[0.00] mg/L
Bi 223.061	-66.2	3.73	5.63%	[0.00] mg/L
Bi 190.171	15.5	5.44	35.18%	[0.00] mg/L
Ca 315.887	17.3	9.25	53.59%	[0.00] mg/L
Ca 317.933	120.2	0.82	0.69%	[0.00] mg/L
Cd 214.440	43.8	0.49	1.13%	[0.00] mg/L
Co 228.616	-38.8	8.25	21.26%	[0.00] mg/L
Cr 267.716	-70.7	2.66	3.76%	[0.00] mg/L
Cu 324.752	2135.6	60.12	2.82%	[0.00] mg/L
Fe 238.204	121.8	7.23	5.94%	[0.00] mg/L
Fe 273.955	-448.1	6.26	1.40%	[0.00] mg/L
K 766.490	-775.4	222.66	28.72%	[0.00] mg/L
Mg 279.077	-41.3	0.25	0.61%	[0.00] mg/L
Mn 257.610	366.4	10.25	2.80%	[0.00] mg/L
Mo 202.031	0.5	0.06	12.66%	[0.00] mg/L
Na 589.592	221.4	163.51	73.85%	[0.00] mg/L
Na 330.237	34.2	6.46	18.86%	[0.00] mg/L
Ni 231.604	2.1	1.56	75.75%	[0.00] mg/L
Pb 220.353	-117.2	19.04	16.25%	[0.00] mg/L
Sb 206.836	0.5	7.86	>999.9%	[0.00] mg/L
Se 196.026	86.6	67.82	78.30%	[0.00] mg/L
Sn 189.927	-8.6	1.71	20.02%	[0.00] mg/L
Sr 407.771	24.6	32.38	131.54%	[0.00] mg/L
Sr 421.552	153.5	69.86	45.50%	[0.00] mg/L
Ti 334.940	-969.0	33.05	3.41%	[0.00] mg/L
Tl 190.801	16.5	21.69	131.38%	[0.00] mg/L
V 290.880	3597.1	21.91	0.61%	[0.00] mg/L
W 207.912	22.6	3.67	16.24%	[0.00] mg/L
Zn 206.200	9.1	0.96	10.60%	[0.00] mg/L
P 213.617	-7.1	5.29	74.60%	[0.00] mg/L
Si 251.611	190.1	14.26	7.50%	[0.00] mg/L
Li 670.784	-250.2	20.46	8.18%	[0.00] mg/L
Li 610.362	-3302.0	104.01	3.15%	[0.00] mg/L
S 181.975	2.1	7.75	371.68%	[0.00] mg/L

ALAB: 00215

Sequence No.: 2

Sample ID: ICP STD1-0.05PPM(7-6-12)

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 2

Date Collected: 10/17/2012 12:18:17 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Mean Data: ICP STD1-0.05PPM(7-6-12)

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc. Units
Al 308.215	1766.3	68.74	3.89%	[0.05] mg/L
As 188.979	285.3	1.57	0.55%	[0.05] mg/L
B 249.677	6247.8	32.98	0.53%	[0.05] mg/L
Ba 233.527	5583.5	49.43	0.89%	[0.05] mg/L
Be 313.107	109008.1	59.76	0.05%	[0.05] mg/L
Cd 214.440	2478.6	11.63	0.47%	[0.05] mg/L
Co 228.616	1399.2	7.93	0.57%	[0.05] mg/L
Cr 267.716	2052.2	7.26	0.35%	[0.05] mg/L
Cu 324.752	15474.2	50.24	0.32%	[0.05] mg/L
Fe 238.204	2191.7	4.02	0.18%	[0.05] mg/L
Fe 273.955	1020.3	134.05	13.14%	[0.05] mg/L
Mn 257.610	25052.4	94.52	0.38%	[0.05] mg/L
Mo 202.031	231.1	0.17	0.07%	[0.05] mg/L
Ni 231.604	1015.4	5.04	0.50%	[0.05] mg/L
Pb 220.353	1138.6	22.99	2.02%	[0.05] mg/L
Sb 206.836	111.0	6.87	6.19%	[0.05] mg/L
Se 196.026	298.6	35.75	11.97%	[0.05] mg/L
Ti 334.940	18963.2	192.81	1.02%	[0.05] mg/L
Tl 190.801	326.4	12.75	3.91%	[0.05] mg/L
V 290.880	7974.1	52.25	0.66%	[0.05] mg/L
Zn 206.200	905.9	11.47	1.27%	[0.05] mg/L

ALAB: 00216

Sequence No.: 3
Sample ID: ICP STD2-1PPM(7-6-12)
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 10/17/2012 12:20:27 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICP STD2-1PPM(7-6-12)

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc. Units
Al 308.215	36708.7	203.50	0.55%	[1.00] mg/L
As 188.979	5719.9	39.17	0.68%	[1.00] mg/L
B 249.677	90322.5	56.88	0.06%	[1.00] mg/L
Ba 233.527	111132.9	1366.57	1.23%	[1.00] mg/L
Be 313.107	2213382.5	101719.91	4.60%	[1.00] mg/L
Cd 214.440	48803.5	584.18	1.20%	[1.00] mg/L
Co 228.616	27214.3	18.97	0.07%	[1.00] mg/L
Cr 267.716	40170.8	163.22	0.41%	[1.00] mg/L
Cu 324.752	305177.7	816.33	0.27%	[1.00] mg/L
Fe 238.204	42341.2	60.96	0.14%	[1.00] mg/L
Fe 273.955	17770.3	407.45	2.29%	[1.00] mg/L
Mn 257.610	489613.3	26307.78	5.37%	[1.00] mg/L
Mo 202.031	4474.9	20.01	0.45%	[1.00] mg/L
Ni 231.604	20264.6	175.02	0.86%	[1.00] mg/L
Pb 220.353	21081.0	380.86	1.81%	[1.00] mg/L
Sb 206.836	1095.6	14.61	1.33%	[1.00] mg/L
Se 196.026	8089.2	14.98	0.19%	[1.00] mg/L
Sr 407.771	430156.2	2397.81	0.56%	[1.00] mg/L
Sr 421.552	240414.4	558.01	0.23%	[1.00] mg/L
Ti 334.940	380278.0	17559.27	4.62%	[1.00] mg/L
Tl 190.801	6278.4	55.53	0.88%	[1.00] mg/L
V 290.880	154015.8	1737.06	1.13%	[1.00] mg/L
Zn 206.200	15713.3	459.29	2.92%	[1.00] mg/L

ALAB: 00217

Sequence No.: 4
Sample ID: ICP STD3-20PPM(7-6-12)
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 10/17/2012 12:22:43 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICP STD3-20PPM(7-6-12)

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc. Units
Al 308.215	685677.1	3005.46	0.44%	[20.00] mg/L
As 188.979	110735.3	583.23	0.53%	[20.00] mg/L
B 249.677	1767999.8	80262.25	4.54%	[20.00] mg/L
Ba 233.527	2059742.8	63619.69	3.09%	[20.00] mg/L
Be 313.107	Saturated2			
Bi 223.061	21721.0	78.44	0.36%	[10] mg/L
Bi 190.171	8092.9	42.62	0.53%	[10] mg/L
Ca 315.887	21747.8	142.97	0.66%	[10.00] mg/L
Ca 317.933	25491.9	159.36	0.63%	[10.00] mg/L
Cd 214.440	886303.0	26181.96	2.95%	[20.00] mg/L
Co 228.616	510573.1	9483.68	1.86%	[20.00] mg/L
Cr 267.716	771980.1	25246.77	3.27%	[20.00] mg/L
Cu 324.752	5957156.8	216731.82	3.64%	[20.00] mg/L
Fe 238.204	788171.7	27817.23	3.53%	[20.00] mg/L
Fe 273.955	332940.2	5114.72	1.54%	[20.00] mg/L
K 766.490	28445.2	425.29	1.50%	[10.00] mg/L
Mg 279.077	2386.1	10.10	0.42%	[10.00] mg/L
Mn 257.610	8589517.6	63859.20	0.74%	[20.00] mg/L
Mo 202.031	89202.8	1147.73	1.29%	[20.00] mg/L
Na 589.592	66984.6	1317.54	1.97%	[10.00] mg/L
Ni 231.604	374739.1	6694.18	1.79%	[20.00] mg/L
Pb 220.353	393157.9	7721.45	1.96%	[20.00] mg/L
Se 196.026	156659.9	835.56	0.53%	[20.00] mg/L
Sn 189.927	30767.2	80.02	0.26%	[10.00] mg/L
Ti 334.940	7361543.4	80075.20	1.09%	[20.00] mg/L
Tl 190.801	110548.1	541.54	0.49%	[20.00] mg/L
V 290.880	3089760.6	85755.09	2.78%	[20.00] mg/L
W 207.912	12384.2	0.91	0.01%	[5] mg/L
Zn 206.200	294296.0	7905.17	2.69%	[20.00] mg/L
Li 670.784	131197.3	1989.07	1.52%	[2.0] mg/L
Li 610.362	13810.7	469.47	3.40%	[2.0] mg/L
S 181.975	2434.3	16.47	0.68%	[10.00] mg/L

ALAB: 00218

Sequence No.: 5

Sample ID: ICP STD4-2PPM(7-6-12)

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 5

Date Collected: 10/17/2012 12:25:20 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Mean Data: ICP STD4-2PPM(7-6-12)

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc. Units
Ag 328.068	259689.3	15891.87	6.12%	[2.00] mg/L

ALAB: 00219

Sequence No.: 6
Sample ID: ICP STD5-100PPM(7-6-12)
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 10/17/2012 12:27:12 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICP STD5-100PPM(7-6-12)

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ca 315.887	202527.0	5956.02	2.94%	[100.00]	mg/L
Ca 317.933	239440.8	4475.55	1.87%	[100.00]	mg/L
K 766.490	263921.1	6122.09	2.32%	[100.00]	mg/L
Mg 279.077	22363.6	101.80	0.46%	[100.00]	mg/L
Na 589.592	593286.9	14853.78	2.50%	[100.00]	mg/L
Na 330.237	723.2	1.45	0.20%	[100.00]	mg/L

ALAB: 00220

Sequence No.: 7

Sample ID: ICP STD6-10PPM(7-6-12)

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 10

Date Collected: 10/17/2012 12:29:24 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Mean Data: ICP STD6-10PPM(7-6-12)

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc. Units
P 213.617	13594.3	404.21	2.97%	[10.00] mg/L
Si 251.611	392259.8	12732.95	3.25%	[10.00] mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	1	Lin Thru 0	0.0	129800	0.00000	1.000000	
Al 308.215	3	Lin Thru 0	0.0	34290	0.00000	0.999994	
As 188.979	3	Lin Thru 0	0.0	5537	0.00000	0.999999	
B 249.677	3	Lin Thru 0	0.0	88410	0.00000	0.999999	
Ba 233.527	3	Lin Thru 0	0.0	103000	0.00000	0.999992	
Be 313.107	2	Lin Thru 0	0.0	2213000	0.00000	1.000000	
Bi 223.061	1	Lin Thru 0	0.0	2172	0.00000	1.000000	
Bi 190.171	1	Lin Thru 0	0.0	809.3	0.00000	1.000000	
Ca 315.887	2	Lin Thru 0	0.0	2027	0.00000	0.999973	
Ca 317.933	2	Lin Thru 0	0.0	2396	0.00000	0.999980	
Cd 214.440	3	Lin Thru 0	0.0	44330	0.00000	0.999987	
Co 228.616	3	Lin Thru 0	0.0	25530	0.00000	0.999995	
Cr 267.716	3	Lin Thru 0	0.0	38600	0.00000	0.999998	
Cu 324.752	3	Lin Thru 0	0.0	297900	0.00000	0.999999	
Fe 238.204	3	Lin Thru 0	0.0	39420	0.00000	0.999993	
Fe 273.955	3	Lin Thru 0	0.0	16650	0.00000	0.999994	
K 766.490	2	Lin Thru 0	0.0	2641	0.00000	0.999970	
Mg 279.077	2	Lin Thru 0	0.0	223.8	0.00000	0.999978	
Mn 257.610	3	Lin Thru 0	0.0	429600	0.00000	0.999976	
Mo 202.031	3	Lin Thru 0	0.0	4460	0.00000	1.000000	
Na 589.592	2	Lin Thru 0	0.0	5940	0.00000	0.999919	
Na 330.237	1	Lin Thru 0	0.0	7.232	0.00000	1.000000	
Ni 231.604	3	Lin Thru 0	0.0	18740	0.00000	0.999992	
Pb 220.353	3	Lin Thru 0	0.0	19660	0.00000	0.999993	
Sb 206.836	2	Lin Thru 0	0.0	1098	0.00000	0.998701	
Se 196.026	3	Lin Thru 0	0.0	7834	0.00000	0.999998	
Sn 189.927	1	Lin Thru 0	0.0	3077	0.00000	1.000000	
Sr 407.771	1	Lin Thru 0	0.0	430200	0.00000	1.000000	
Sr 421.552	1	Lin Thru 0	0.0	240400	0.00000	1.000000	
Ti 334.940	3	Lin Thru 0	0.0	368100	0.00000	0.999999	
Tl 190.801	3	Lin Thru 0	0.0	5529	0.00000	0.999977	
V 290.880	3	Lin Thru 0	0.0	154500	0.00000	1.000000	
W 207.912	1	Lin Thru 0	0.0	2477	0.00000	1.000000	
Zn 206.200	3	Lin Thru 0	0.0	14720	0.00000	0.999994	
P 213.617	1	Lin Thru 0	0.0	1359	0.00000	1.000000	
Si 251.611	1	Lin Thru 0	0.0	39230	0.00000	1.000000	
Li 670.784	1	Lin Thru 0	0.0	65600	0.00000	1.000000	
Li 610.362	1	Lin Thru 0	0.0	6905	0.00000	1.000000	
S 181.975	1	Lin Thru 0	0.0	243.4	0.00000	1.000000	

ALAB: 00221

Analytical Sequence

Method: 10-02-12

Seq.	Loc.	ID	Status
1	1	Calib Blank 1	Applied
2	2	ICP STD1-0.05PPM(7-6-12)	Applied
3	3	ICP STD2-1PPM(7-6-12)	Applied
4	4	ICP STD3-20PPM(7-6-12)	Applied
5	5	ICP STD4-2PPM(7-6-12)	Applied
6	9	ICP STD5-100PPM(7-6-12)	Applied
7	10	ICP STD6-10PPM(7-6-12)	Applied

ALAB : 00222

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Analysis Begun

Start Time: 10/17/2012 12:34:57 PM Plasma On Time: 10/17/2012 11:56:53 AM
 Logged In Analyst: kedy Technique: ICP Continuous
 Spectrometer Model: Optima 4300 DV, S/N 077N1091901 Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\10-17-12.sif
 Batch ID: 10-17-12

Results Data Set: 10-17-12

Results Library: C:\pe\Administrator\Results\Results.mdb

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Sequence No.: 8

Sample ID: ICP_ICV(7-6-12)

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 7

Date Collected: 10/17/2012 12:34:57 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

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Mean Data: ICP_ICV(7-6-12)

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Ag 328.068	65463.5	0.5042 mg/L	0.00877	0.5042 mg/L	0.00877	1.74%
QC value within limits for Ag 328.068		Recovery = 100.83%				
Al 308.215	36124.9	1.054 mg/L	0.0159	1.054 mg/L	0.0159	1.50%
QC value within limits for Al 308.215		Recovery = 105.35%				
As 188.979	5423.8	0.9795 mg/L	0.00415	0.9795 mg/L	0.00415	0.42%
QC value within limits for As 188.979		Recovery = 97.95%				
B 249.677	87152.2	0.9858 mg/L	0.02102	0.9858 mg/L	0.02102	2.13%
QC value within limits for B 249.677		Recovery = 98.58%				
Ba 233.527	110275.5	1.071 mg/L	0.0217	1.071 mg/L	0.0217	2.03%
QC value within limits for Ba 233.527		Recovery = 107.06%				
Be 313.107	2181482.7	0.9856 mg/L	0.07949	0.9856 mg/L	0.07949	8.07%
QC value within limits for Be 313.107		Recovery = 98.56%				
Bi 223.061	-57.7	-0.0266 mg/L	0.00087	-0.0266 mg/L	0.00087	3.29%
Bi 190.171	4.9	0.0060 mg/L	0.00777	0.0060 mg/L	0.00777	129.48%
Ca 315.887	2197.7	1.084 mg/L	0.0043	1.084 mg/L	0.0043	0.39%
Ca 317.933	2593.7	1.083 mg/L	0.0034	1.083 mg/L	0.0034	0.31%
Cd 214.440	44590.8	1.006 mg/L	0.0264	1.006 mg/L	0.0264	2.62%
QC value within limits for Cd 214.440		Recovery = 100.60%				
Co 228.616	26422.3	1.035 mg/L	0.0271	1.035 mg/L	0.0271	2.62%
QC value within limits for Co 228.616		Recovery = 103.48%				
Cr 267.716	40980.8	1.062 mg/L	0.0257	1.062 mg/L	0.0257	2.42%
QC value within limits for Cr 267.716		Recovery = 106.16%				
Cu 324.752	290447.4	0.9751 mg/L	0.08825	0.9751 mg/L	0.08825	9.05%
QC value within limits for Cu 324.752		Recovery = 97.51%				
Fe 238.204	41688.7	1.058 mg/L	0.0251	1.058 mg/L	0.0251	2.38%
QC value within limits for Fe 238.204		Recovery = 105.77%				
Fe 273.955	17373.4	1.043 mg/L	0.0143	1.043 mg/L	0.0143	1.37%
QC value within limits for Fe 273.955		Recovery = 104.35%				
K 766.490	27439.6	10.39 mg/L	0.975	10.39 mg/L	0.975	9.39%
Mg 279.077	243.4	1.088 mg/L	0.0090	1.088 mg/L	0.0090	0.83%
Mn 257.610	436865.1	1.017 mg/L	0.0783	1.017 mg/L	0.0783	7.70%
QC value within limits for Mn 257.610		Recovery = 101.68%				
Mo 202.031	4451.4	0.9980 mg/L	0.00137	0.9980 mg/L	0.00137	0.14%
QC value within limits for Mo 202.031		Recovery = 99.80%				
Na 589.592	6325.6	1.065 mg/L	0.0990	1.065 mg/L	0.0990	9.30%
Na 330.237	-22.1	-3.057 mg/L	0.5386	-3.057 mg/L	0.5386	17.62%
Ni 231.604	19600.6	1.046 mg/L	0.0226	1.046 mg/L	0.0226	2.16%
QC value within limits for Ni 231.604		Recovery = 104.59%				
Pb 220.353	20541.8	1.045 mg/L	0.0009	1.045 mg/L	0.0009	0.09%
QC value within limits for Pb 220.353		Recovery = 104.48%				
Sb 206.836	1044.4	0.9508 mg/L	0.00087	0.9508 mg/L	0.00087	0.09%
QC value within limits for Sb 206.836		Recovery = 95.08%				
Se 196.026	7738.5	0.9879 mg/L	0.00216	0.9879 mg/L	0.00216	0.22%
QC value within limits for Se 196.026		Recovery = 98.79%				
Sn 189.927	-10.2	-0.0033 mg/L	0.00000	-0.0033 mg/L	0.00000	0.04%
Sr 407.771	397059.2	0.9231 mg/L	0.07827	0.9231 mg/L	0.07827	8.48%
QC value within limits for Sr 407.771		Recovery = 92.31%				
Sr 421.552	222613.0	0.9260 mg/L	0.07660	0.9260 mg/L	0.07660	8.27%
QC value within limits for Sr 421.552		Recovery = 92.60%				
Ti 334.940	373826.9	1.016 mg/L	0.0797	1.016 mg/L	0.0797	7.85%
QC value within limits for Ti 334.940		Recovery = 101.55%				
Ti 190.801	5758.5	1.041 mg/L	0.0050	1.041 mg/L	0.0050	0.48%

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LMC-PET-00001033

W 207.912	32.6	0.0132 mg/L	0.00007	0.0132 mg/L	0.00007	0.50%
Y 371.029	1722.3				79.86	4.64%
Zn 206.200	15178.0	1.031 mg/L	0.0227	1.031 mg/L	0.0227	2.20%
QC value within limits for Zn 206.200 Recovery = 103.13%						
P 213.617	-1917.2	-1.410 mg/L	0.0652	-1.410 mg/L	0.0652	4.62%
Si 251.611	39526.6	1.008 mg/L	0.0152	1.008 mg/L	0.0152	1.50%
QC value within limits for Si 251.611 Recovery = 100.77%						
Li 670.784	61865.3	0.9431 mg/L	0.06770	0.9431 mg/L	0.06770	7.18%
Li 610.362	6083.7	0.8810 mg/L	0.14183	0.8810 mg/L	0.14183	16.10%
S 181.975	4.8	0.0198 mg/L	0.01106	0.0198 mg/L	0.01106	55.84%

All analyte(s) passed QC.

ALAB: 00224

Sequence No.: 9
 Sample ID: ICP_ICB(Daily)
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 8
 Date Collected: 10/17/2012 12:37:31 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Mean Data: ICP_ICB(Daily)

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Conc. Units	Std.Dev.	RSD
Ag 328.068	2414.4	0.0186 mg/L		0.00021	0.0186 mg/L	0.00021	1.15%
QC value greater than the upper limit for Ag 328.068					Recovery = Not calculated		
Al 308.215	277.8	0.0081 mg/L		0.00156	0.0081 mg/L	0.00156	19.30%
QC value within limits for Al 308.215					Recovery = Not calculated		
As 188.979	13.6	0.0025 mg/L		0.00178	0.0025 mg/L	0.00178	72.23%
QC value within limits for As 188.979					Recovery = Not calculated		
B 249.677	1436.9	0.0163 mg/L		0.00077	0.0163 mg/L	0.00077	4.73%
QC value greater than the upper limit for B 249.677					Recovery = Not calculated		
Ba 233.527	36.4	0.0004 mg/L		0.00004	0.0004 mg/L	0.00004	11.96%
QC value within limits for Ba 233.527					Recovery = Not calculated		
Be 313.107	323.7	0.0001 mg/L		0.00004	0.0001 mg/L	0.00004	30.33%
QC value within limits for Be 313.107					Recovery = Not calculated		
Bi 223.061	17.8	0.0082 mg/L		0.00656	0.0082 mg/L	0.00656	80.09%
QC value within limits for Bi 223.061					Recovery = Not calculated		
Bi 190.171	-2.6	-0.0032 mg/L		0.00160	-0.0032 mg/L	0.00160	50.25%
QC value within limits for Bi 190.171					Recovery = Not calculated		
Ca 315.887	14.8	0.0073 mg/L		0.00335	0.0073 mg/L	0.00335	45.90%
QC value within limits for Ca 315.887					Recovery = Not calculated		
Ca 317.933	28.9	0.0121 mg/L		0.00204	0.0121 mg/L	0.00204	16.92%
QC value greater than the upper limit for Ca 317.933					Recovery = Not calculated		
Cd 214.440	25.4	0.0006 mg/L		0.00001	0.0006 mg/L	0.00001	2.03%
QC value within limits for Cd 214.440					Recovery = Not calculated		
Co 228.616	2.8	0.0001 mg/L		0.00000	0.0001 mg/L	0.00000	3.08%
QC value within limits for Co 228.616					Recovery = Not calculated		
Cr 267.716	20.0	0.0005 mg/L		0.00020	0.0005 mg/L	0.00020	38.87%
QC value within limits for Cr 267.716					Recovery = Not calculated		
Cu 324.752	166.5	0.0006 mg/L		0.00003	0.0006 mg/L	0.00003	4.53%
QC value within limits for Cu 324.752					Recovery = Not calculated		
Fe 238.204	68.2	0.0017 mg/L		0.00013	0.0017 mg/L	0.00013	7.69%
QC value within limits for Fe 238.204					Recovery = Not calculated		
Fe 273.955	86.9	0.0052 mg/L		0.00010	0.0052 mg/L	0.00010	1.91%
QC value within limits for Fe 273.955					Recovery = Not calculated		
K 766.490	-110.4	-0.0418 mg/L		0.06583	-0.0418 mg/L	0.06583	157.54%
QC value less than the lower limit for K 766.490					Recovery = Not calculated		
Mg 279.077	2.6	0.0118 mg/L		0.02472	0.0118 mg/L	0.02472	209.78%
QC value greater than the upper limit for Mg 279.077					Recovery = Not calculated		
Mn 257.610	197.8	0.0005 mg/L		0.00002	0.0005 mg/L	0.00002	4.27%
QC value within limits for Mn 257.610					Recovery = Not calculated		
Mo 202.031	11.1	0.0025 mg/L		0.00070	0.0025 mg/L	0.00070	28.06%
QC value within limits for Mo 202.031					Recovery = Not calculated		
Na 589.592	169.8	0.0286 mg/L		0.04612	0.0286 mg/L	0.04612	161.35%
QC value greater than the upper limit for Na 589.592					Recovery = Not calculated		
Na 330.237	-3.7	-0.5136 mg/L		0.19393	-0.5136 mg/L	0.19393	37.76%
QC value less than the lower limit for Na 330.237					Recovery = Not calculated		
Ni 231.604	-1.7	-0.0001 mg/L		0.00029	-0.0001 mg/L	0.00029	319.21%
QC value within limits for Ni 231.604					Recovery = Not calculated		
Pb 220.353	36.5	0.0019 mg/L		0.00074	0.0019 mg/L	0.00074	39.97%
QC value within limits for Pb 220.353					Recovery = Not calculated		
Sb 206.836	10.5	0.0095 mg/L		0.00074	0.0095 mg/L	0.00074	7.72%
QC value within limits for Sb 206.836					Recovery = Not calculated		
Se 196.026	-15.2	-0.0019 mg/L		0.01213	-0.0019 mg/L	0.01213	626.17%
QC value within limits for Se 196.026					Recovery = Not calculated		
Sn 189.927	-4.9	-0.0016 mg/L		0.00157	-0.0016 mg/L	0.00157	99.24%
QC value within limits for Sn 189.927					Recovery = Not calculated		
Sr 407.771	151.9	0.0004 mg/L		0.00020	0.0004 mg/L	0.00020	57.48%
QC value within limits for Sr 407.771					Recovery = Not calculated		
Sr 421.552	46.1	0.0002 mg/L		0.00008	0.0002 mg/L	0.00008	42.89%
QC value within limits for Sr 421.552					Recovery = Not calculated		
Ti 334.940	-213.9	-0.0006 mg/L		0.00015	-0.0006 mg/L	0.00015	25.25%
QC value within limits for Ti 334.940					Recovery = Not calculated		
Tl 190.801	6.2	0.0011 mg/L		0.00012	0.0011 mg/L	0.00012	10.31%
QC value within limits for Tl 190.801					Recovery = Not calculated		
V 290.880	196.9	0.0013 mg/L		0.00016	0.0013 mg/L	0.00016	12.57%
QC value within limits for V 290.880					Recovery = Not calculated		

ALAB: 00225

Zn 206.200	6.1	0.0004 mg/L	0.00001	0.0004 mg/L	0.00001	2.03%
QC value within limits for Zn 206.200 Recovery = Not calculated						
P 213.617	11.9	0.0087 mg/L	0.00033	0.0087 mg/L	0.00033	3.77%
Si 251.611	112.3	0.0029 mg/L	0.00019	0.0029 mg/L	0.00019	6.58%
Li 670.784	115.2	0.0018 mg/L	0.00687	0.0018 mg/L	0.00687	391.47%
Li 610.362	-104.1	-0.0151 mg/L	0.01447	-0.0151 mg/L	0.01447	95.97%
S 181.975	0.7	0.0028 mg/L	0.01498	0.0028 mg/L	0.01498	537.55%

QC Failed. Continue with analysis.

ALAB: 00226

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Analysis Begun

Start Time: 10/17/2012 12:58:54 PM

Plasma On Time: 10/17/2012 11:56:53 AM

Logged In Analyst: kedy

Technique: ICP Continuous

Spectrometer Model: Optima 4300 DV, S/N 077N1091901 Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\10-17-12.sif

Batch ID: 10-17-12

Results Data Set: 10-17-12

Results Library: C:\pe\Administrator\Results\Results.mdb
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Sequence No.: 35

Autosampler Location: 7

Sample ID: ICP_CCV(7-6-12)

Date Collected: 10/17/2012 12:58:54 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:
=====

Mean Data: ICP_CCV(7-6-12)

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Ag 328.068	65106.0	0.5014 mg/L	0.01294	0.5014 mg/L	0.01294	2.58%
QC value within limits for Ag 328.068		Recovery = 100.28%				
Al 308.215	36056.4	1.052 mg/L	0.0419	1.052 mg/L	0.0419	3.98%
QC value within limits for Al 308.215		Recovery = 105.15%				
As 188.979	5482.9	0.9902 mg/L	0.00574	0.9902 mg/L	0.00574	0.58%
QC value within limits for As 188.979		Recovery = 99.02%				
B 249.677	82509.1	0.9333 mg/L	0.03590	0.9333 mg/L	0.03590	3.85%
QC value within limits for B 249.677		Recovery = 93.33%				
Ba 233.527	109831.9	1.066 mg/L	0.0330	1.066 mg/L	0.0330	3.09%
QC value within limits for Ba 233.527		Recovery = 106.63%				
Be 313.107	2270287.1	1.026 mg/L	0.0217	1.026 mg/L	0.0217	2.12%
QC value within limits for Be 313.107		Recovery = 102.57%				
Bi 223.061	-57.3	-0.0264 mg/L	0.00241	-0.0264 mg/L	0.00241	9.12%
Bi 190.171	5.7	0.0071 mg/L	0.00156	0.0071 mg/L	0.00156	22.07%
Ca 315.887	2307.1	1.138 mg/L	0.0001	1.138 mg/L	0.0001	0.01%
Ca 317.933	2732.7	1.141 mg/L	0.0035	1.141 mg/L	0.0035	0.30%
Cd 214.440	44123.9	0.9954 mg/L	0.03829	0.9954 mg/L	0.03829	3.85%
QC value within limits for Cd 214.440		Recovery = 99.54%				
Co 228.616	26352.0	1.032 mg/L	0.0360	1.032 mg/L	0.0360	3.49%
QC value within limits for Co 228.616		Recovery = 103.21%				
Cr 267.716	40541.5	1.050 mg/L	0.0291	1.050 mg/L	0.0291	2.77%
QC value within limits for Cr 267.716		Recovery = 105.02%				
Cu 324.752	299201.3	1.004 mg/L	0.0344	1.004 mg/L	0.0344	3.43%
QC value within limits for Cu 324.752		Recovery = 100.44%				
Fe 238.204	41675.2	1.057 mg/L	0.0443	1.057 mg/L	0.0443	4.19%
QC value within limits for Fe 238.204		Recovery = 105.73%				
Fe 273.955	17237.6	1.035 mg/L	0.0278	1.035 mg/L	0.0278	2.68%
QC value within limits for Fe 273.955		Recovery = 103.53%				
K 766.490	28617.2	10.83 mg/L	0.153	10.83 mg/L	0.153	1.41%
Mg 279.077	251.8	1.125 mg/L	0.0049	1.125 mg/L	0.0049	0.44%
Mn 257.610	453360.6	1.055 mg/L	0.0280	1.055 mg/L	0.0280	2.65%
QC value within limits for Mn 257.610		Recovery = 105.52%				
Mo 202.031	4560.0	1.022 mg/L	0.0339	1.022 mg/L	0.0339	3.31%
QC value within limits for Mo 202.031		Recovery = 102.24%				
Na 589.592	7114.5	1.198 mg/L	0.0333	1.198 mg/L	0.0333	2.78%
Na 330.237	-23.9	-3.308 mg/L	0.4379	-3.308 mg/L	0.4379	13.24%
Ni 231.604	19546.6	1.043 mg/L	0.0424	1.043 mg/L	0.0424	4.06%
QC value within limits for Ni 231.604		Recovery = 104.30%				
Pb 220.353	20174.4	1.026 mg/L	0.0520	1.026 mg/L	0.0520	5.07%
QC value within limits for Pb 220.353		Recovery = 102.61%				
Sb 206.836	1045.8	0.9521 mg/L	0.00361	0.9521 mg/L	0.00361	0.38%
QC value within limits for Sb 206.836		Recovery = 95.21%				
Se 196.026	7906.0	1.009 mg/L	0.0053	1.009 mg/L	0.0053	0.52%
QC value within limits for Se 196.026		Recovery = 100.92%				
Sn 189.927	-9.9	-0.0032 mg/L	0.00141	-0.0032 mg/L	0.00141	43.69%
Sr 407.771	413225.5	0.9606 mg/L	0.01199	0.9606 mg/L	0.01199	1.25%
QC value within limits for Sr 407.771		Recovery = 96.06%				
Sr 421.552	233075.7	0.9695 mg/L	0.00478	0.9695 mg/L	0.00478	0.49%
QC value within limits for Sr 421.552		Recovery = 96.95%				
Ti 334.940	390240.5	1.060 mg/L	0.0248	1.060 mg/L	0.0248	2.33%
QC value within limits for Ti 334.940		Recovery = 106.01%				
Ti 100.801	5779.0	1.045 mg/L	0.0081	1.045 mg/L	0.0081	0.78%

W 207.912	19.5	0.0079 mg/L	0.00211	0.0079 mg/L	0.00211	26.85%
Y 371.029	1592.7				17.94	1.13%
Zn 206.200	14999.0	1.019 mg/L	0.0460	1.019 mg/L	0.0460	4.51%
QC value within limits for Zn 206.200 Recovery = 101.91%						
P 213.617	-1875.6	-1.380 mg/L	0.0857	-1.380 mg/L	0.0857	6.21%
Si 251.611	39389.5	1.004 mg/L	0.0321	1.004 mg/L	0.0321	3.20%
QC value within limits for Si 251.611 Recovery = 100.42%						
Li 670.784	66363.6	1.012 mg/L	0.0302	1.012 mg/L	0.0302	2.98%
Li 610.362	7284.4	1.055 mg/L	0.0083	1.055 mg/L	0.0083	0.79%
S 181.975	4.5	0.0184 mg/L	0.00602	0.0184 mg/L	0.00602	32.64%

All analyte(s) passed QC.

ALAB: 00228

User canceled analysis.

=====
Analysis Begun

Start Time: 10/17/2012 1:01:42 PM

Plasma On Time: 10/17/2012 11:56:53 AM

Logged In Analyst: kedy

Technique: ICP Continuous

Spectrometer Model: Optima 4300 DV, S/N 077N1091901 Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\10-17-12.sif

Batch ID: 10-17-12

Results Data Set: 10-17-12

Results Library: C:\pe\Administrator\Results\Results.mdb

Sequence No.: 37

Autosampler Location: 8

Sample ID: ICP_CCB(Daily)

Date Collected: 10/17/2012 1:01:42 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Mean Data: ICP_CCB(Daily)

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Ag 328.068	2507.4	0.0193 mg/L	0.00066	0.0193 mg/L	0.00066	3.44%
Al 308.215	216.3	0.0063 mg/L	0.00037	0.0063 mg/L	0.00037	5.81%
As 188.979	22.5	0.0041 mg/L	0.00002	0.0041 mg/L	0.00002	0.39%
B 249.677	-1994.0	-0.0226 mg/L	0.00000	-0.0226 mg/L	0.00000	0.02%
Ba 233.527	72.9	0.0007 mg/L	0.00009	0.0007 mg/L	0.00009	12.14%
Be 313.107	1099.7	0.0005 mg/L	0.00007	0.0005 mg/L	0.00007	14.81%
Bi 223.061	-2.9	-0.0013 mg/L	0.00222	-0.0013 mg/L	0.00222	165.43%
Bi 190.171	-2.1	-0.0026 mg/L	0.00763	-0.0026 mg/L	0.00763	298.80%
Ca 315.887	28.7	0.0142 mg/L	0.00317	0.0142 mg/L	0.00317	22.34%
Ca 317.933	42.5	0.0177 mg/L	0.00401	0.0177 mg/L	0.00401	22.64%
Cd 214.440	26.6	0.0006 mg/L	0.00001	0.0006 mg/L	0.00001	1.87%
Co 228.616	19.9	0.0008 mg/L	0.00010	0.0008 mg/L	0.00010	13.21%
Cr 267.716	28.5	0.0007 mg/L	0.00003	0.0007 mg/L	0.00003	4.68%
Cu 324.752	235.1	0.0008 mg/L	0.00022	0.0008 mg/L	0.00022	27.73%
Fe 238.204	90.3	0.0023 mg/L	0.00018	0.0023 mg/L	0.00018	8.01%
Fe 273.955	92.0	0.0055 mg/L	0.00016	0.0055 mg/L	0.00016	2.84%
K 766.490	-154.4	-0.0585 mg/L	0.06209	-0.0585 mg/L	0.06209	106.20%
Mg 279.077	5.7	0.0253 mg/L	0.00075	0.0253 mg/L	0.00075	2.98%
Mn 257.610	336.1	0.0008 mg/L	0.00003	0.0008 mg/L	0.00003	3.51%
Mo 202.031	11.8	0.0026 mg/L	0.00073	0.0026 mg/L	0.00073	27.60%
QC value less than the lower limit for Mo 202.031				Recovery = 0.26%		
Na 589.592	249.5	0.0420 mg/L	0.04270	0.0420 mg/L	0.04270	101.67%
Na 330.237	-6.6	-0.9144 mg/L	1.74551	-0.9144 mg/L	1.74551	190.89%
Ni 231.604	2.4	0.0001 mg/L	0.00004	0.0001 mg/L	0.00004	27.15%
Pb 220.353	57.4	0.0029 mg/L	0.00060	0.0029 mg/L	0.00060	20.43%
Sb 206.836	2.6	0.0024 mg/L	0.00433	0.0024 mg/L	0.00433	180.88%
QC value less than the lower limit for Sb 206.836				Recovery = 0.24%		
Se 196.026	-29.0	-0.0037 mg/L	0.00632	-0.0037 mg/L	0.00632	170.44%
Sn 189.927	2.0	0.0007 mg/L	0.00052	0.0007 mg/L	0.00052	79.16%
Sr 407.771	359.0	0.0008 mg/L	0.00021	0.0008 mg/L	0.00021	25.17%
Sr 421.552	154.1	0.0006 mg/L	0.00057	0.0006 mg/L	0.00057	89.22%
Ti 334.940	85.9	0.0002 mg/L	0.00000	0.0002 mg/L	0.00000	0.99%
Tl 190.801	17.3	0.0031 mg/L	0.00253	0.0031 mg/L	0.00253	80.87%
V 290.880	51.5	0.0003 mg/L	0.00035	0.0003 mg/L	0.00035	104.66%
W 207.912	-4.2	-0.0017 mg/L	0.00051	-0.0017 mg/L	0.00051	30.38%
Y 371.029	1709.5				81.60	4.77%
Zn 206.200	10.6	0.0007 mg/L	0.00004	0.0007 mg/L	0.00004	5.37%
P 213.617	3.6	0.0027 mg/L	0.00032	0.0027 mg/L	0.00032	12.16%
Si 251.611	169.1	0.0043 mg/L	0.00084	0.0043 mg/L	0.00084	19.46%
Li 670.784	440.2	0.0067 mg/L	0.00509	0.0067 mg/L	0.00509	75.86%
Li 610.362	-347.8	-0.0504 mg/L	0.01684	-0.0504 mg/L	0.01684	33.45%
S 181.975	-3.6	-0.0149 mg/L	0.02558	-0.0149 mg/L	0.02558	171.16%

QC Failed. Continue with analysis.

ALAB: 00229

Sequence No.: 48
 Sample ID: ICP_CCV(7-6-12)
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 7
 Date Collected: 10/17/2012 1:30:19 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Mean Data: ICP_CCV(7-6-12)

Analyste	Mean Corrected Intensity	Conc. Units	Calib Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Ag 328.068	65257.0	0.5026 mg/L	0.00165	0.5026 mg/L	0.00165	0.33%
QC value within limits for Ag		328.068 Recovery = 100.52%				
Al 308.215	35665.9	1.040 mg/L	0.0015	1.040 mg/L	0.0015	0.15%
QC value within limits for Al		308.215 Recovery = 104.01%				
As 188.979	5423.1	0.9794 mg/L	0.00948	0.9794 mg/L	0.00948	0.97%
QC value within limits for As		188.979 Recovery = 97.94%				
B 249.677	79606.2	0.9005 mg/L	0.00687	0.9005 mg/L	0.00687	0.76%
QC value within limits for B		249.677 Recovery = 90.05%				
Ba 233.527	109601.7	1.064 mg/L	0.0064	1.064 mg/L	0.0064	0.60%
QC value within limits for Ba		233.527 Recovery = 106.40%				
Be 313.107	2176666.2	0.9834 mg/L	0.03389	0.9834 mg/L	0.03389	3.45%
QC value within limits for Be		313.107 Recovery = 98.34%				
Bi 223.061	-45.0	-0.0207 mg/L	0.00497	-0.0207 mg/L	0.00497	23.99%
Bi 190.171	5.8	0.0072 mg/L	0.00327	0.0072 mg/L	0.00327	45.51%
Ca 315.887	2401.4	1.185 mg/L	0.0229	1.185 mg/L	0.0229	1.93%
Ca 317.933	2848.8	1.189 mg/L	0.0160	1.189 mg/L	0.0160	1.34%
Cd 214.440	43993.4	0.9925 mg/L	0.01041	0.9925 mg/L	0.01041	1.05%
QC value within limits for Cd		214.440 Recovery = 99.25%				
Co 228.616	25912.6	1.015 mg/L	0.0083	1.015 mg/L	0.0083	0.82%
QC value within limits for Co		228.616 Recovery = 101.49%				
Cr 267.716	40299.4	1.044 mg/L	0.0049	1.044 mg/L	0.0049	0.47%
QC value within limits for Cr		267.716 Recovery = 104.39%				
Cu 324.752	296078.3	0.9940 mg/L	0.00376	0.9940 mg/L	0.00376	0.38%
QC value within limits for Cu		324.752 Recovery = 99.40%				
Fe 238.204	41517.3	1.053 mg/L	0.0038	1.053 mg/L	0.0038	0.36%
QC value within limits for Fe		238.204 Recovery = 105.33%				
Fe 273.955	17052.2	1.024 mg/L	0.0052	1.024 mg/L	0.0052	0.51%
QC value within limits for Fe		273.955 Recovery = 102.42%				
K 766.490	29674.0	11.23 mg/L	0.203	11.23 mg/L	0.203	1.81%
Mg 279.077	261.0	1.166 mg/L	0.0172	1.166 mg/L	0.0172	1.47%
Mn 257.610	430640.0	1.002 mg/L	0.0356	1.002 mg/L	0.0356	3.55%
QC value within limits for Mn		257.610 Recovery = 100.24%				
Mo 202.031	4473.9	1.003 mg/L	0.0007	1.003 mg/L	0.0007	0.07%
QC value within limits for Mo		202.031 Recovery = 100.31%				
Na 589.592	7021.5	1.182 mg/L	0.0575	1.182 mg/L	0.0575	4.86%
Na 330.237	-13.6	-1.885 mg/L	1.7518	-1.885 mg/L	1.7518	92.95%
Ni 231.604	19361.8	1.033 mg/L	0.0022	1.033 mg/L	0.0022	0.21%
QC value within limits for Ni		231.604 Recovery = 103.31%				
Pb 220.353	20445.2	1.040 mg/L	0.0383	1.040 mg/L	0.0383	3.69%
QC value within limits for Pb		220.353 Recovery = 103.99%				
Sb 206.836	1033.7	0.9411 mg/L	0.00776	0.9411 mg/L	0.00776	0.82%
QC value within limits for Sb		206.836 Recovery = 94.11%				
Se 196.026	7917.5	1.011 mg/L	0.0142	1.011 mg/L	0.0142	1.41%
QC value within limits for Se		196.026 Recovery = 101.07%				
Sn 189.927	-9.4	-0.0031 mg/L	0.00020	-0.0031 mg/L	0.00020	6.45%
Sr 407.771	427036.4	0.9927 mg/L	0.01420	0.9927 mg/L	0.01420	1.43%
QC value within limits for Sr		407.771 Recovery = 99.27%				
Sr 421.552	240545.4	1.001 mg/L	0.0011	1.001 mg/L	0.0011	0.11%
QC value within limits for Sr		421.552 Recovery = 100.05%				
Ti 334.940	372014.6	1.011 mg/L	0.0406	1.011 mg/L	0.0406	4.02%
QC value within limits for Ti		334.940 Recovery = 101.06%				
Tl 190.801	5751.2	1.040 mg/L	0.0078	1.040 mg/L	0.0078	0.75%
QC value within limits for Tl		190.801 Recovery = 104.01%				
V 290.880	156198.4	1.011 mg/L	0.0076	1.011 mg/L	0.0076	0.75%
QC value within limits for V		290.880 Recovery = 101.10%				
W 207.912	17.2	0.0070 mg/L	0.00069	0.0070 mg/L	0.00069	9.86%
Y 371.029	1336.0				139.49	10.44%
Zn 206.200	14697.2	0.9986 mg/L	0.00221	0.9986 mg/L	0.00221	0.22%
QC value within limits for Zn		206.200 Recovery = 99.86%				
P 213.617	-1849.1	-1.360 mg/L	0.1221	-1.360 mg/L	0.1221	8.98%
Si 251.611	39014.3	0.9946 mg/L	0.00687	0.9946 mg/L	0.00687	0.69%
QC value within limits for Si		251.611 Recovery = 99.46%				
Li 670.784	67805.7	1.034 mg/L	0.0002	1.034 mg/L	0.0002	0.01%
		0.9863 mg/L	0.10347	0.9863 mg/L	0.10347	10.49%

User canceled analysis.

=====
Analysis Begun

Start Time: 10/17/2012 1:32:15 PM

Plasma On Time: 10/17/2012 11:56:53 AM

Logged In Analyst: kedy

Technique: ICP Continuous

Spectrometer Model: Optima 4300 DV, S/N 077N1091901 Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\10-17-12.sif

Batch ID: 10-17-12

Results Data Set: 10-17-12

Results Library: C:\pe\Administrator\Results\Results.mdb

Sequence No.: 50

Autosampler Location: 8

Sample ID: ICP_CCB(Daily)

Date Collected: 10/17/2012 1:32:15 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

=====
Mean Data: ICP_CCB(Daily)

Mean Data: ICP_OCB(Daily)			Mean Corrected	Calib		Sample		
analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Ag 328.068	2655.8	0.0205	mg/L	0.00002	0.0205	mg/L	0.00002	0.11%
Al 308.215	50.5	0.0015	mg/L	0.00387	0.0015	mg/L	0.00387	262.82%
As 188.979	10.6	0.0019	mg/L	0.00103	0.0019	mg/L	0.00103	53.79%
B 249.677	-3474.0	-0.0393	mg/L	0.00046	-0.0393	mg/L	0.00046	1.17%
Ba 233.527	115.2	0.0011	mg/L	0.00006	0.0011	mg/L	0.00006	5.04%
Be 313.107	1687.6	0.0008	mg/L	0.00005	0.0008	mg/L	0.00005	5.99%
Bi 223.061	5.8	0.0027	mg/L	0.00201	0.0027	mg/L	0.00201	74.89%
Bi 190.171	-0.7	-0.0009	mg/L	0.00373	-0.0009	mg/L	0.00373	416.10%
Ca 315.887	30.5	0.0151	mg/L	0.00049	0.0151	mg/L	0.00049	3.25%
Ca 317.933	35.5	0.0148	mg/L	0.00104	0.0148	mg/L	0.00104	7.04%
Cd 214.440	39.0	0.0009	mg/L	0.00019	0.0009	mg/L	0.00019	21.46%
Co 228.616	33.4	0.0013	mg/L	0.00028	0.0013	mg/L	0.00028	21.50%
Cr 267.716	42.9	0.0011	mg/L	0.00018	0.0011	mg/L	0.00018	16.23%
Cu 324.752	277.9	0.0009	mg/L	0.00010	0.0009	mg/L	0.00010	10.88%
Fe 238.204	86.5	0.0022	mg/L	0.00029	0.0022	mg/L	0.00029	13.04%
Fe 273.955	101.3	0.0061	mg/L	0.00029	0.0061	mg/L	0.00029	4.80%
K 766.490	239.9	0.0908	mg/L	0.06441	0.0908	mg/L	0.06441	70.92%
Ag 279.077	1.8	0.0080	mg/L	0.00383	0.0080	mg/L	0.00383	48.13%
Mn 257.610	475.8	0.0011	mg/L	0.00002	0.0011	mg/L	0.00002	1.43%
Mo 202.031	12.6	0.0028	mg/L	0.00095	0.0028	mg/L	0.00095	33.73%
QC value less than the lower limit for Mo 202.031				Recovery = 0.28%				
Na 589.592	313.9	0.0528	mg/L	0.02854	0.0528	mg/L	0.02854	54.02%
Na 330.237	1.4	0.1951	mg/L	0.69941	0.1951	mg/L	0.69941	358.47%
Ni 231.604	6.1	0.0003	mg/L	0.00021	0.0003	mg/L	0.00021	63.73%
Pb 220.353	62.5	0.0032	mg/L	0.00019	0.0032	mg/L	0.00019	6.01%
Sb 206.836	8.3	0.0075	mg/L	0.00547	0.0075	mg/L	0.00547	72.42%
QC value less than the lower limit for Sb 206.836				Recovery = 0.75%				
Se 196.026	-6.5	-0.0008	mg/L	0.00614	-0.0008	mg/L	0.00614	745.69%
Sn 189.927	-1.9	-0.0006	mg/L	0.00103	-0.0006	mg/L	0.00103	170.34%
Sr 407.771	466.8	0.0011	mg/L	0.00043	0.0011	mg/L	0.00043	39.27%
Sr 421.552	176.0	0.0007	mg/L	0.00012	0.0007	mg/L	0.00012	16.11%
Ti 334.940	94.3	0.0003	mg/L	0.00036	0.0003	mg/L	0.00036	139.80%
Tl 190.801	-8.4	-0.0015	mg/L	0.00488	-0.0015	mg/L	0.00488	322.13%
Zn 290.880	177.9	0.0012	mg/L	0.00006	0.0012	mg/L	0.00006	5.04%
Zn 207.912	-2.8	-0.0011	mg/L	0.00028	-0.0011	mg/L	0.00028	25.13%
Zn 371.029	1684.0						43.42	2.58%
Zn 206.200	16.5	0.0011	mg/L	0.00020	0.0011	mg/L	0.00020	18.06%
Zn 213.617	8.9	0.0065	mg/L	0.00337	0.0065	mg/L	0.00337	51.66%
Zn 251.611	133.0	0.0034	mg/L	0.00019	0.0034	mg/L	0.00019	5.63%
Zn 670.784	210.4	0.0032	mg/L	0.00113	0.0032	mg/L	0.00113	35.09%
Zn 610.362	166.6	0.0241	mg/L	0.01882	0.0241	mg/L	0.01882	77.99%
Zn 181.975	1.4	0.0057	mg/L	0.00998	0.0057	mg/L	0.00998	175.96%
QC Failed. Continue with analysis.								

QC Failed. Continue with analysis.

ALAB: 00231

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Analysis Begun

Start Time: 10/17/2012 2:34:29 PM

Plasma On Time: 10/17/2012 11:56:53 AM

Logged In Analyst: kedy

Technique: ICP Continuous

Spectrometer Model: Optima 4300 DV, S/N 077N1091901 Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\10-17-12.sif

Batch ID: 10-17-12

Results Data Set: 10-17-12

Results Library: C:\pe\Administrator\Results\Results.mdb
=====

Sequence No.: 61

Autosampler Location: 7

Sample ID: ICP_CCV(7-6-12)

Date Collected: 10/17/2012 2:34:29 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:
=====

Mean Data: ICP_CCV(7-6-12)

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Ag 328.068	67825.3	0.5224 mg/L	0.00307	0.5224 mg/L	0.00307	0.59%
QC value within limits for Ag 328.068 Recovery = 104.47%						
Al 308.215	36774.4	1.072 mg/L	0.0037	1.072 mg/L	0.0037	0.34%
QC value within limits for Al 308.215 Recovery = 107.25%						
As 188.979	5633.0	1.017 mg/L	0.0054	1.017 mg/L	0.0054	0.53%
QC value within limits for As 188.979 Recovery = 101.73%						
B 249.677	85356.3	0.9655 mg/L	0.00574	0.9655 mg/L	0.00574	0.59%
QC value within limits for B 249.677 Recovery = 96.55%						
Ba 233.527	115422.9	1.121 mg/L	0.0117	1.121 mg/L	0.0117	1.05%
QC value greater than the upper limit for Ba 233.527 Recovery = 112.05%						
Be 313.107	2357517.3	1.065 mg/L	0.0298	1.065 mg/L	0.0298	2.80%
QC value within limits for Be 313.107 Recovery = 106.52%						
Bi 223.061	-41.4	-0.0191 mg/L	0.00087	-0.0191 mg/L	0.00087	4.58%
Bi 190.171	5.3	0.0065 mg/L	0.00037	0.0065 mg/L	0.00037	5.69%
Ca 315.887	2432.6	1.200 mg/L	0.0020	1.200 mg/L	0.0020	0.16%
Ca 317.933	2893.6	1.208 mg/L	0.0108	1.208 mg/L	0.0108	0.89%
Cd 214.440	47162.1	1.064 mg/L	0.0151	1.064 mg/L	0.0151	1.42%
QC value within limits for Cd 214.440 Recovery = 106.40%						
Co 228.616	27502.3	1.077 mg/L	0.0118	1.077 mg/L	0.0118	1.10%
QC value within limits for Co 228.616 Recovery = 107.71%						
Cr 267.716	42555.3	1.102 mg/L	0.0064	1.102 mg/L	0.0064	0.58%
QC value greater than the upper limit for Cr 267.716 Recovery = 110.24%						
Cu 324.752	308088.0	1.034 mg/L	0.0085	1.034 mg/L	0.0085	0.83%
QC value within limits for Cu 324.752 Recovery = 103.43%						
Fe 238.204	44124.6	1.119 mg/L	0.0246	1.119 mg/L	0.0246	2.20%
QC value greater than the upper limit for Fe 238.204 Recovery = 111.95%						
Fe 273.955	18005.7	1.081 mg/L	0.0175	1.081 mg/L	0.0175	1.62%
QC value within limits for Fe 273.955 Recovery = 108.14%						
K 766.490	29124.7	11.03 mg/L	0.245	11.03 mg/L	0.245	2.22%
Mg 279.077	276.3	1.235 mg/L	0.0007	1.235 mg/L	0.0007	0.06%
Mn 257.610	462791.2	1.077 mg/L	0.0356	1.077 mg/L	0.0356	3.30%
QC value within limits for Mn 257.610 Recovery = 107.72%						
Mo 202.031	4604.7	1.032 mg/L	0.0013	1.032 mg/L	0.0013	0.13%
QC value within limits for Mo 202.031 Recovery = 103.24%						
Na 589.592	6964.2	1.172 mg/L	0.0953	1.172 mg/L	0.0953	8.13%
Na 330.237	-17.1	-2.363 mg/L	0.6812	-2.363 mg/L	0.6812	28.82%
Ni 231.604	20594.1	1.099 mg/L	0.0233	1.099 mg/L	0.0233	2.12%
QC value within limits for Ni 231.604 Recovery = 109.89%						
Pb 220.353	22081.1	1.123 mg/L	0.0220	1.123 mg/L	0.0220	1.96%
QC value greater than the upper limit for Pb 220.353 Recovery = 112.31%						
Sb 206.836	1069.1	0.9733 mg/L	0.00216	0.9733 mg/L	0.00216	0.22%
QC value within limits for Sb 206.836 Recovery = 97.33%						
Se 196.026	8157.4	1.041 mg/L	0.0058	1.041 mg/L	0.0058	0.55%
QC value within limits for Se 196.026 Recovery = 104.13%						
Sn 189.927	-10.2	-0.0033 mg/L	0.00124	-0.0033 mg/L	0.00124	37.39%
Sr 407.771	410328.0	0.9539 mg/L	0.01546	0.9539 mg/L	0.01546	1.62%
QC value within limits for Sr 407.771 Recovery = 95.39%						
Sr 421.552	231630.6	0.9635 mg/L	0.00868	0.9635 mg/L	0.00868	0.90%
QC value within limits for Sr 421.552 Recovery = 96.35%						
Ti 334.940	399633.0	1.086 mg/L	0.0335	1.086 mg/L	0.0335	3.09%
QC value within limits for Ti 334.940 Recovery = 108.56%						
Tl 190.801	5946.6	1.075 mg/L	0.0024	1.075 mg/L	0.0024	0.22%
QC value within limits for Tl 190.801 Recovery = 107.55%						

ALAB:00232

W 207.912	19.7	0.0080 mg/L	0.00032	0.0080 mg/L	0.00032	3.96%
Y 371.029	1794.3				14.94	0.83%
Zn 206.200	15823.2	1.075 mg/L	0.0248	1.075 mg/L	0.0248	2.31%
QC value within limits for Zn 206.200 Recovery = 107.51%						
P 213.617	-1810.3	-1.332 mg/L	0.0905	-1.332 mg/L	0.0905	6.80%
Si 251.611	41215.6	1.051 mg/L	0.0107	1.051 mg/L	0.0107	1.02%
QC value within limits for Si 251.611 Recovery = 105.07%						
Li 670.784	64379.1	0.9814 mg/L	0.03268	0.9814 mg/L	0.03268	3.33%
Li 610.362	6616.2	0.9581 mg/L	0.05873	0.9581 mg/L	0.05873	6.13%
S 181.975	5.0	0.0205 mg/L	0.00097	0.0205 mg/L	0.00097	4.72%

QC Failed. Continue with analysis.

User canceled analysis.

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Analysis Begun

Start Time: 10/17/2012 2:37:59 PM

Plasma On Time: 10/17/2012 11:56:53 AM

Logged In Analyst: kedy

Technique: ICP Continuous

Spectrometer Model: Optima 4300 DV, S/N 077N1091901 Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\10-17-12.sif

Batch ID: 10-17-12

Results Data Set: 10-17-12

Results Library: C:\pe\Administrator\Results\Results.mdb

Sequence No.: 63

Autosampler Location: 8

Sample ID: ICP_CCB(Daily)

Date Collected: 10/17/2012 2:37:59 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Mean Data: ICP_CCB(Daily)

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Conc. Units	Sample	Std.Dev.	RSD
Ag 328.068	2702.3	0.0208 mg/L		0.00048	0.0208 mg/L		0.00048	2.29%
Al 308.215	99.7	0.0029 mg/L		0.00169	0.0029 mg/L		0.00169	57.99%
As 188.979	21.4	0.0039 mg/L		0.00044	0.0039 mg/L		0.00044	11.35%
B 249.677	-3391.7	-0.0384 mg/L		0.00004	-0.0384 mg/L		0.00004	0.10%
Ba 233.527	69.5	0.0007 mg/L		0.00000	0.0007 mg/L		0.00000	0.43%
Be 313.107	816.3	0.0004 mg/L		0.00007	0.0004 mg/L		0.00007	17.67%
Bi 223.061	5.6	0.0026 mg/L		0.00061	0.0026 mg/L		0.00061	23.67%
Bi 190.171	1.0	0.0012 mg/L		0.00447	0.0012 mg/L		0.00447	359.21%
Ca 315.887	16.9	0.0084 mg/L		0.00455	0.0084 mg/L		0.00455	54.50%
Ca 317.933	36.9	0.0154 mg/L		0.00199	0.0154 mg/L		0.00199	12.90%
Cd 214.440	7.7	0.0002 mg/L		0.00002	0.0002 mg/L		0.00002	11.10%
Co 228.616	22.0	0.0009 mg/L		0.00040	0.0009 mg/L		0.00040	46.87%
Cr 267.716	22.6	0.0006 mg/L		0.00031	0.0006 mg/L		0.00031	52.95%
Cu 324.752	151.1	0.0005 mg/L		0.00042	0.0005 mg/L		0.00042	83.67%
Fe 238.204	94.7	0.0024 mg/L		0.00012	0.0024 mg/L		0.00012	5.01%
Fe 273.955	102.0	0.0061 mg/L		0.00003	0.0061 mg/L		0.00003	0.42%
K 766.490	94.7	0.0359 mg/L		0.03041	0.0359 mg/L		0.03041	84.80%
Mg 279.077	2.1	0.0094 mg/L		0.00988	0.0094 mg/L		0.00988	105.60%
Mn 257.610	280.0	0.0007 mg/L		0.00002	0.0007 mg/L		0.00002	2.52%
Mo 202.031	12.7	0.0029 mg/L		0.00096	0.0029 mg/L		0.00096	33.79%
QC value less than the lower limit for Mo 202.031 Recovery = 0.29%								
Na 589.592	251.3	0.0423 mg/L		0.00146	0.0423 mg/L		0.00146	3.45%
Na 330.237	1.8	0.2554 mg/L		0.28161	0.2554 mg/L		0.28161	110.26%
Ni 231.604	4.2	0.0002 mg/L		0.00014	0.0002 mg/L		0.00014	62.72%
Pb 220.353	49.1	0.0025 mg/L		0.00288	0.0025 mg/L		0.00288	115.15%
Sb 206.836	5.4	0.0049 mg/L		0.00408	0.0049 mg/L		0.00408	82.72%
QC value less than the lower limit for Sb 206.836 Recovery = 0.49%								
Se 196.026	-93.9	-0.0120 mg/L		0.01042	-0.0120 mg/L		0.01042	86.89%
Sn 189.927	-2.4	-0.0008 mg/L		0.00023	-0.0008 mg/L		0.00023	29.73%
Sr 407.771	263.0	0.0006 mg/L		0.00014	0.0006 mg/L		0.00014	22.55%
Sr 421.552	110.2	0.0005 mg/L		0.00033	0.0005 mg/L		0.00033	71.56%
Ti 334.940	46.4	0.0001 mg/L		0.00027	0.0001 mg/L		0.00027	214.31%
Tl 190.801	8.9	0.0016 mg/L		0.00196	0.0016 mg/L		0.00196	122.31%
V 290.880	201.0	0.0013 mg/L		0.00012	0.0013 mg/L		0.00012	9.48%
W 207.912	-2.2	-0.0009 mg/L		0.00008	-0.0009 mg/L		0.00008	8.55%
Y 371.029	1643.5						99.15	6.03%
Zn 206.200	6.0	0.0004 mg/L		0.00028	0.0004 mg/L		0.00028	68.95%
P 213.617	4.9	0.0036 mg/L		0.00199	0.0036 mg/L		0.00199	55.86%
Si 251.611	114.7	0.0029 mg/L		0.00027	0.0029 mg/L		0.00027	9.17%
Li 670.784	421.7	0.0064 mg/L		0.00063	0.0064 mg/L		0.00063	9.78%
Li 610.362	200.8	0.0291 mg/L		0.01499	0.0291 mg/L		0.01499	51.52%
S 181.975	5.5	0.0226 mg/L		0.01293	0.0226 mg/L		0.01293	57.19%

QC Failed. Continue with analysis.

ALAB: 00233

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Analysis Begun

Start Time: 10/17/2012 3:12:17 PM

Plasma On Time: 10/17/2012 11:56:53 AM

Logged In Analyst: kedy

Technique: ICP Continuous

Spectrometer Model: Optima 4300 DV, S/N 077N1091901Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\10-17-12.sif

Batch ID: 10-17-12

Results Data Set: 10-17-12

Results Library: C:\pe\Administrator\Results\Results.mdb

Sequence No.: 74

Autosampler Location: 7

Sample ID: ICP_CCV(7-6-12)

Date Collected: 10/17/2012 3:12:17 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

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Mean Data: ICP_CCV(7-6-12)

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Ag 328.068	64922.5	0.5000 mg/L	0.00339	0.5000 mg/L	0.00339	0.68%
QC value within limits for Ag 328.068 Recovery = 100.00%						
Al 308.215	35157.7	1.025 mg/L	0.0047	1.025 mg/L	0.0047	0.46%
QC value within limits for Al 308.215 Recovery = 102.53%						
As 188.979	5583.3	1.008 mg/L	0.0019	1.008 mg/L	0.0019	0.19%
QC value within limits for As 188.979 Recovery = 100.83%						
B 249.677	80498.8	0.9106 mg/L	0.01190	0.9106 mg/L	0.01190	1.31%
QC value within limits for B 249.677 Recovery = 91.06%						
Ba 233.527	109735.5	1.065 mg/L	0.0092	1.065 mg/L	0.0092	0.87%
QC value within limits for Ba 233.527 Recovery = 106.53%						
Be 313.107	2221028.4	1.003 mg/L	0.0631	1.003 mg/L	0.0631	6.28%
QC value within limits for Be 313.107 Recovery = 100.35%						
Bi 223.061	-46.6	-0.0215 mg/L	0.00119	-0.0215 mg/L	0.00119	5.53%
Bi 190.171	3.6	0.0044 mg/L	0.00155	0.0044 mg/L	0.00155	35.12%
Ca 315.887	2473.8	1.221 mg/L	0.0050	1.221 mg/L	0.0050	0.41%
Ca 317.933	2938.3	1.226 mg/L	0.0063	1.226 mg/L	0.0063	0.51%
Cd 214.440	44753.3	1.010 mg/L	0.0157	1.010 mg/L	0.0157	1.56%
QC value within limits for Cd 214.440 Recovery = 100.96%						
Co 228.616	26394.4	1.034 mg/L	0.0081	1.034 mg/L	0.0081	0.78%
QC value within limits for Co 228.616 Recovery = 103.37%						
Cr 267.716	40773.2	1.056 mg/L	0.0147	1.056 mg/L	0.0147	1.39%
QC value within limits for Cr 267.716 Recovery = 105.62%						
Cu 324.752	287416.2	0.9649 mg/L	0.06340	0.9649 mg/L	0.06340	6.57%
QC value within limits for Cu 324.752 Recovery = 96.49%						
Fe 238.204	41945.7	1.064 mg/L	0.0093	1.064 mg/L	0.0093	0.88%
QC value within limits for Fe 238.204 Recovery = 106.42%						
Fe 273.955	17350.5	1.042 mg/L	0.0069	1.042 mg/L	0.0069	0.66%
QC value within limits for Fe 273.955 Recovery = 104.21%						
K 766.490	28588.4	10.82 mg/L	0.280	10.82 mg/L	0.280	2.59%
Mg 279.077	272.2	1.216 mg/L	0.0282	1.216 mg/L	0.0282	2.32%
Mn 257.610	441814.5	1.028 mg/L	0.0633	1.028 mg/L	0.0633	6.16%
QC value within limits for Mn 257.610 Recovery = 102.84%						
Mo 202.031	4527.0	1.015 mg/L	0.0027	1.015 mg/L	0.0027	0.27%
QC value within limits for Mo 202.031 Recovery = 101.50%						
Na 589.592	7034.6	1.184 mg/L	0.0378	1.184 mg/L	0.0378	3.19%
Na 330.237	-17.9	-2.471 mg/L	0.7663	-2.471 mg/L	0.7663	31.01%
Ni 231.604	19533.7	1.042 mg/L	0.0146	1.042 mg/L	0.0146	1.40%
QC value within limits for Ni 231.604 Recovery = 104.23%						
Pb 220.353	20452.4	1.040 mg/L	0.0070	1.040 mg/L	0.0070	0.67%
QC value within limits for Pb 220.353 Recovery = 104.02%						
Sb 206.836	1051.9	0.9577 mg/L	0.00666	0.9577 mg/L	0.00666	0.70%
QC value within limits for Sb 206.836 Recovery = 95.77%						
Se 196.026	8001.5	1.021 mg/L	0.0077	1.021 mg/L	0.0077	0.76%
QC value within limits for Se 196.026 Recovery = 102.14%						
Sn 189.927	-6.9	-0.0022 mg/L	0.00165	-0.0022 mg/L	0.00165	73.22%
Sr 407.771	418111.6	0.9720 mg/L	0.02597	0.9720 mg/L	0.02597	2.67%
QC value within limits for Sr 407.771 Recovery = 97.20%						
Sr 421.552	235597.8	0.9800 mg/L	0.02684	0.9800 mg/L	0.02684	2.74%
QC value within limits for Sr 421.552 Recovery = 98.00%						
Ti 334.940	378369.7	1.028 mg/L	0.0622	1.028 mg/L	0.0622	6.05%
QC value within limits for Ti 334.940 Recovery = 102.79%						
Tl 190.801	5850.2	1.058 mg/L	0.0084	1.058 mg/L	0.0084	0.79%

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W 207.912	22.6	0.0091 mg/L	0.00279	0.0091 mg/L	0.00279	30.51%
Y 371.029	1634.4				105.53	6.46%
Zn 206.200	15079.1	1.025 mg/L	0.0067	1.025 mg/L	0.0067	0.65%
QC value within limits for Zn 206.200 Recovery = 102.46%						
P 213.617	-1860.0	-1.368 mg/L	0.0613	-1.368 mg/L	0.0613	4.48%
Si 251.611	39296.9	1.002 mg/L	0.0051	1.002 mg/L	0.0051	0.51%
QC value within limits for Si 251.611 Recovery = 100.18%						
Li 670.784	66089.0	1.007 mg/L	0.0332	1.007 mg/L	0.0332	3.30%
Li 610.362	6671.0	0.9661 mg/L	0.10413	0.9661 mg/L	0.10413	10.78%
S 181.975	6.8	0.0278 mg/L	0.03769	0.0278 mg/L	0.03769	135.52%

All analyte(s) passed QC.

ALAB: 00235

User canceled analysis.

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Analysis Begun

Start Time: 10/17/2012 3:14:18 PM

Plasma On Time: 10/17/2012 11:56:53 AM

Logged In Analyst: kedy

Technique: ICP Continuous

Spectrometer Model: Optima 4300 DV, S/N 077N1091901 Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\10-17-12.sif

Batch ID: 10-17-12

Results Data Set: 10-17-12

Results Library: C:\pe\Administrator\Results\Results.mdb

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Sequence No.: 76

Autosampler Location: 8

Sample ID: ICP_CCB(Daily)

Date Collected: 10/17/2012 3:14:18 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Mean Data: ICP_CCB(Daily)

Mean Data: 101_003 (Daily)		Mean Corrected	Calib		Sample			
Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Ag 328.068	2454.7	0.0189	mg/L	0.00008	0.0189	mg/L	0.00008	0.42%
Al 308.215	28.4	0.0008	mg/L	0.00032	0.0008	mg/L	0.00032	38.25%
As 188.979	14.3	0.0026	mg/L	0.00257	0.0026	mg/L	0.00257	99.18%
B 249.677	-3843.8	-0.0435	mg/L	0.00040	-0.0435	mg/L	0.00040	0.92%
Ba 233.527	141.2	0.0014	mg/L	0.00016	0.0014	mg/L	0.00016	11.97%
Be 313.107	2306.9	0.0010	mg/L	0.00013	0.0010	mg/L	0.00013	12.48%
Bi 223.061	0.5	0.0002	mg/L	0.00092	0.0002	mg/L	0.00092	378.21%
Bi 190.171	1.9	0.0024	mg/L	0.00503	0.0024	mg/L	0.00503	210.73%
Ca 315.887	29.6	0.0146	mg/L	0.00111	0.0146	mg/L	0.00111	7.56%
Ca 317.933	31.3	0.0130	mg/L	0.00401	0.0130	mg/L	0.00401	30.72%
Cd 214.440	50.4	0.0011	mg/L	0.00027	0.0011	mg/L	0.00027	24.17%
Co 228.616	34.2	0.0013	mg/L	0.00007	0.0013	mg/L	0.00007	5.54%
Cr 267.716	56.6	0.0015	mg/L	0.00015	0.0015	mg/L	0.00015	10.46%
Cu 324.752	346.3	0.0012	mg/L	0.00050	0.0012	mg/L	0.00050	43.01%
Fe 238.204	89.5	0.0023	mg/L	0.00002	0.0023	mg/L	0.00002	1.02%
Fe 273.955	101.3	0.0061	mg/L	0.00026	0.0061	mg/L	0.00026	4.21%
K 766.490	63.5	0.0241	mg/L	0.02343	0.0241	mg/L	0.02343	97.40%
Mg 279.077	10.1	0.0450	mg/L	0.00247	0.0450	mg/L	0.00247	5.49%
Mn 257.610	543.3	0.0013	mg/L	0.00012	0.0013	mg/L	0.00012	9.79%
Mo 202.031	17.1	0.0038	mg/L	0.00027	0.0038	mg/L	0.00027	6.96%
QC value less than the lower limit for Mo 202.031				Recovery = 0.38%				
Na 589.592	393.9	0.0663	mg/L	0.00057	0.0663	mg/L	0.00057	0.86%
Na 330.237	-2.8	-0.3832	mg/L	0.95136	-0.3832	mg/L	0.95136	248.26%
Ni 231.604	15.4	0.0008	mg/L	0.00049	0.0008	mg/L	0.00049	59.30%
Pb 220.353	67.9	0.0035	mg/L	0.00159	0.0035	mg/L	0.00159	45.95%
Sb 206.836	4.7	0.0043	mg/L	0.00107	0.0043	mg/L	0.00107	24.97%
QC value less than the lower limit for Sb 206.836				Recovery = 0.43%				
Se 196.026	23.1	0.0030	mg/L	0.00340	0.0030	mg/L	0.00340	115.36%
Sn 189.927	-0.4	-0.0001	mg/L	0.00176	-0.0001	mg/L	0.00176	>999.9%
Sr 407.771	837.5	0.0019	mg/L	0.00008	0.0019	mg/L	0.00008	3.99%
Sr 421.552	395.8	0.0016	mg/L	0.00036	0.0016	mg/L	0.00036	21.82%
Ti 334.940	418.1	0.0011	mg/L	0.00011	0.0011	mg/L	0.00011	10.02%
Tl 190.801	15.2	0.0027	mg/L	0.00175	0.0027	mg/L	0.00175	63.92%
V 290.880	311.7	0.0020	mg/L	0.00021	0.0020	mg/L	0.00021	10.29%
W 207.912	-2.4	-0.0010	mg/L	0.00081	-0.0010	mg/L	0.00081	83.72%
Y 371.029	1600.6						121.85	7.61%
Zn 206.200	17.9	0.0012	mg/L	0.00026	0.0012	mg/L	0.00026	21.22%
P 213.617	-0.8	-0.0006	mg/L	0.00042	-0.0006	mg/L	0.00042	70.67%
Si 251.611	363.3	0.0093	mg/L	0.00025	0.0093	mg/L	0.00025	2.67%
Li 670.784	287.2	0.0044	mg/L	0.00504	0.0044	mg/L	0.00504	115.11%
Li 610.362	10.8	0.0016	mg/L	0.01382	0.0016	mg/L	0.01382	881.00%
S 181.975	-2.3	-0.0093	mg/L	0.00783	-0.0093	mg/L	0.00783	84.47%
QC Failed. Continue with analysis.								

QC Failed. Continue with analysis.

ALAB: 00236

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analysis Begun

Start Time: 10/17/2012 3:46:40 PM

Plasma On Time: 10/17/2012 11:56:53 AM

Logged In Analyst: kedy

Technique: ICP Continuous

Spectrometer Model: Optima 4300 DV, S/N 077N1091901 Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\10-17-12.sif

Batch ID: 10-17-12

Results Data Set: 10-17-12

Results Library: C:\pe\Administrator\Results\Results.mdb
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Sequence No.: 87

Autosampler Location: 7

Sample ID: ICP_CCV(7-6-12)

Date Collected: 10/17/2012 3:46:40 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:
=====

Clean Data: ICP_CCV(7-6-12)

	Mean Corrected	Calib		Sample		
Analyte	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	RSD
Ag 328.068	63944.0	0.4925 mg/L	0.00440	0.4925 mg/L	0.00440	0.89%
QC value within limits for Ag 328.068		Recovery = 98.49%				
Al 308.215	34703.1	1.012 mg/L	0.0243	1.012 mg/L	0.0243	2.40%
QC value within limits for Al 308.215		Recovery = 101.20%				
As 188.979	5318.6	0.9605 mg/L	0.01825	0.9605 mg/L	0.01825	1.90%
QC value within limits for As 188.979		Recovery = 96.05%				
Ba 249.677	78840.0	0.8918 mg/L	0.01138	0.8918 mg/L	0.01138	1.28%
QC value less than the lower limit for Ba 249.677		Recovery = 89.18%				
Ba 233.527	107629.6	1.045 mg/L	0.0068	1.045 mg/L	0.0068	0.65%
QC value within limits for Ba 233.527		Recovery = 104.49%				
Be 313.107	2186146.0	0.9877 mg/L	0.01789	0.9877 mg/L	0.01789	1.81%
QC value within limits for Be 313.107		Recovery = 98.77%				
Bi 223.061	-44.1	-0.0203 mg/L	0.00363	-0.0203 mg/L	0.00363	17.89%
Bi 190.171	1.7	0.0022 mg/L	0.00304	0.0022 mg/L	0.00304	141.10%
Ba 315.887	2431.2	1.075 mg/L	0.0002	1.075 mg/L	0.0002	0.02%
Ba 317.933	2894.5	1.078 mg/L	0.0058	1.078 mg/L	0.0058	0.53%
Cd 214.440	43125.8	0.9729 mg/L	0.00176	0.9729 mg/L	0.00176	0.18%
QC value within limits for Cd 214.440		Recovery = 97.29%				
Co 228.616	25947.5	1.016 mg/L	0.0092	1.016 mg/L	0.0092	0.91%
QC value within limits for Co 228.616		Recovery = 101.62%				
Cr 267.716	39969.6	1.035 mg/L	0.0051	1.035 mg/L	0.0051	0.49%
QC value within limits for Cr 267.716		Recovery = 103.54%				
Cu 324.752	287461.6	0.9650 mg/L	0.02541	0.9650 mg/L	0.02541	2.63%
QC value within limits for Cu 324.752		Recovery = 96.50%				
Fe 238.204	40624.0	1.031 mg/L	0.0100	1.031 mg/L	0.0100	0.97%
QC value within limits for Fe 238.204		Recovery = 103.06%				
Fe 273.955	17064.2	1.025 mg/L	0.0023	1.025 mg/L	0.0023	0.23%
QC value within limits for Fe 273.955		Recovery = 102.49%				
Fe 766.490	28082.1	9.582 mg/L	0.1460	9.582 mg/L	0.1460	1.52%
Fe 279.077	265.1	1.101 mg/L	0.0051	1.101 mg/L	0.0051	0.46%
Mn 257.610	427387.3	0.9948 mg/L	0.01581	0.9948 mg/L	0.01581	1.59%
QC value within limits for Mn 257.610		Recovery = 99.48%				
Mo 202.031	4355.4	0.9765 mg/L	0.01119	0.9765 mg/L	0.01119	1.15%
QC value within limits for Mo 202.031		Recovery = 97.65%				
Ni 589.592	7394.4	1.120 mg/L	0.0481	1.120 mg/L	0.0481	4.29%
Ni 330.237	-19.3	-2.503 mg/L	0.3345	-2.503 mg/L	0.3345	13.36%
Ni 231.604	19220.7	1.026 mg/L	0.0030	1.026 mg/L	0.0030	0.29%
QC value within limits for Ni 231.604		Recovery = 102.56%				
Pb 220.353	19663.5	1.000 mg/L	0.0032	1.000 mg/L	0.0032	0.32%
QC value within limits for Pb 220.353		Recovery = 100.01%				
Pb 206.836	1007.6	0.9174 mg/L	0.00673	0.9174 mg/L	0.00673	0.73%
QC value within limits for Pb 206.836		Recovery = 91.74%				
Se 196.026	7703.5	0.9834 mg/L	0.02644	0.9834 mg/L	0.02644	2.69%
QC value within limits for Se 196.026		Recovery = 98.34%				
Se 189.927	-10.3	-0.0033 mg/L	0.00134	-0.0033 mg/L	0.00134	40.09%
Sr 407.771	408181.4	0.9489 mg/L	0.01401	0.9489 mg/L	0.01401	1.48%
QC value within limits for Sr 407.771		Recovery = 94.89%				
Sr 421.552	232139.7	0.9656 mg/L	0.00282	0.9656 mg/L	0.00282	0.29%
QC value within limits for Sr 421.552		Recovery = 96.56%				
Ti 334.940	371889.7	1.010 mg/L	0.0219	1.010 mg/L	0.0219	2.17%
QC value within limits for Ti 334.940		Recovery = 101.03%				
Ti 190.801	5608.9	1.014 mg/L	0.0082	1.014 mg/L	0.0082	0.81%

7 207.912	20.8	0.0084 mg/L	0.00209	0.0084 mg/L	0.00209	24.83%
371.029	1725.1				25.46	1.48%
in 206.200	14625.1	0.9937 mg/L	0.00048	0.9937 mg/L	0.00048	0.05%
QC value within limits for Zn 206.200 Recovery = 99.37%						
213.617	-1768.2	-1.301 mg/L	0.0209	-1.301 mg/L	0.0209	1.60%
Si 251.611	38687.4	0.9863 mg/L	0.01002	0.9863 mg/L	0.01002	1.02%
QC value within limits for Si 251.611 Recovery = 98.63%						
670.784	65266.4	0.9949 mg/L	0.01639	0.9949 mg/L	0.01639	1.65%
610.362	6837.0	0.9901 mg/L	0.06638	0.9901 mg/L	0.06638	6.70%
181.975	10.3	0.0423 mg/L	0.00069	0.0423 mg/L	0.00069	1.62%

QC Failed. Continue with analysis.

ALAB: 00238

Sequence No.: 89
 Sample ID: ICP_CCB(Daily)
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 8
 Date Collected: 10/17/2012 3:51:49 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Mean Data: ICP_CCB(Daily)

Analyte	Mean Corrected Intensity	Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Ag 328.068	2302.5	0.0177 mg/L	0.00013	0.0177 mg/L	0.00013	0.71%
Al 308.215	13.3	0.0004 mg/L	0.00044	0.0004 mg/L	0.00044	114.02%
As 188.979	25.8	0.0047 mg/L	0.00002	0.0047 mg/L	0.00002	0.39%
B 249.677	-4360.9	-0.0493 mg/L	0.00010	-0.0493 mg/L	0.00010	0.21%
Ba 233.527	37.3	0.0004 mg/L	0.00007	0.0004 mg/L	0.00007	19.54%
Be 313.107	448.6	0.0002 mg/L	0.00002	0.0002 mg/L	0.00002	7.70%
Bi 223.061	8.0	0.0037 mg/L	0.00355	0.0037 mg/L	0.00355	95.99%
Bi 190.171	1.3	0.0015 mg/L	0.00309	0.0015 mg/L	0.00309	199.49%
Ca 315.887	141.7	0.0627 mg/L	0.00263	0.0627 mg/L	0.00263	4.20%
Ca 317.933	169.1	0.0630 mg/L	0.00791	0.0630 mg/L	0.00791	12.56%
Cd 214.440	4.5	0.0001 mg/L	0.00006	0.0001 mg/L	0.00006	60.23%
Co 228.616	9.9	0.0004 mg/L	0.00012	0.0004 mg/L	0.00012	30.57%
Cr 267.716	21.0	0.0005 mg/L	0.00019	0.0005 mg/L	0.00019	34.79%
Cu 324.752	154.5	0.0005 mg/L	0.00019	0.0005 mg/L	0.00019	36.86%
Fe 238.204	43.6	0.0011 mg/L	0.00007	0.0011 mg/L	0.00007	5.97%
Fe 273.955	95.4	0.0057 mg/L	0.00072	0.0057 mg/L	0.00072	12.53%
K 766.490	692.8	0.2364 mg/L	0.03518	0.2364 mg/L	0.03518	14.88%
Mg 279.077	18.4	0.0765 mg/L	0.00890	0.0765 mg/L	0.00890	11.63%
Mn 257.610	166.0	0.0004 mg/L	0.00004	0.0004 mg/L	0.00004	9.91%
Mo 202.031	5.7	0.0013 mg/L	0.00006	0.0013 mg/L	0.00006	4.82%
QC value less than the lower limit for Mo 202.031 Recovery = 0.13%						
Na 589.592	1054.0	0.1596 mg/L	0.01119	0.1596 mg/L	0.01119	7.01%
Na 330.237	0.5	0.0593 mg/L	0.33603	0.0593 mg/L	0.33603	566.31%
Ni 231.604	-1.4	-0.0001 mg/L	0.00017	-0.0001 mg/L	0.00017	222.16%
Pb 220.353	65.6	0.0033 mg/L	0.00266	0.0033 mg/L	0.00266	79.86%
Sb 206.836	-3.0	-0.0028 mg/L	0.00500	-0.0028 mg/L	0.00500	180.81%
QC value less than the lower limit for Sb 206.836 Recovery = -0.28%						
Se 196.026	-113.9	-0.0145 mg/L	0.00319	-0.0145 mg/L	0.00319	21.91%
Sn 189.927	0.5	0.0002 mg/L	0.00040	0.0002 mg/L	0.00040	250.27%
Sr 407.771	138.0	0.0003 mg/L	0.00010	0.0003 mg/L	0.00010	29.70%
Sr 421.552	99.8	0.0004 mg/L	0.00015	0.0004 mg/L	0.00015	35.46%
Ti 334.940	-12.3	0.0000 mg/L	0.00015	0.0000 mg/L	0.00015	462.02%
Tl 190.801	13.2	0.0024 mg/L	0.00378	0.0024 mg/L	0.00378	157.80%
V 290.880	70.9	0.0005 mg/L	0.00053	0.0005 mg/L	0.00053	116.48%
W 207.912	-6.7	-0.0027 mg/L	0.00028	-0.0027 mg/L	0.00028	10.51%
Y 371.029	1624.9				80.83	4.97%
Zn 206.200	7.5	0.0005 mg/L	0.00000	0.0005 mg/L	0.00000	0.86%
Z 213.617	6.2	0.0045 mg/L	0.00220	0.0045 mg/L	0.00220	48.33%
Si 251.611	377.0	0.0096 mg/L	0.00004	0.0096 mg/L	0.00004	0.37%
Li 670.784	106.0	0.0016 mg/L	0.00453	0.0016 mg/L	0.00453	280.33%
Li 610.362	12.6	0.0018 mg/L	0.14910	0.0018 mg/L	0.14910	>999.9%
S 181.975	2.3	0.0093 mg/L	0.01115	0.0093 mg/L	0.01115	120.42%

QC Failed. Continue with analysis.

ALAB: 00240

Sequence No.: 100

Sample ID: ICP_CCV(7-6-12)

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 7

Date Collected: 10/17/2012 4:20:55 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Mean Data: ICP_CCV(7-6-12)

Analyte	Mean Corrected Intensity	Conc. Units	Calib Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Ag 328.068	67974.1	0.5235 mg/L	0.00980	0.5235 mg/L	0.00980	1.87%
QC value within limits for Ag 328.068 Recovery = 104.70%						
Al 308.215	36456.7	1.063 mg/L	0.0192	1.063 mg/L	0.0192	1.81%
QC value within limits for Al 308.215 Recovery = 106.32%						
As 188.979	5459.5	0.9860 mg/L	0.00106	0.9860 mg/L	0.00106	0.11%
QC value within limits for As 188.979 Recovery = 98.60%						
B 249.677	84777.8	0.9590 mg/L	0.01007	0.9590 mg/L	0.01007	1.05%
QC value within limits for B 249.677 Recovery = 95.90%						
Ba 233.527	114022.1	1.107 mg/L	0.0085	1.107 mg/L	0.0085	0.77%
QC value greater than the upper limit for Ba 233.527 Recovery = 110.69%						
Be 313.107	2279299.3	1.030 mg/L	0.0770	1.030 mg/L	0.0770	7.47%
QC value within limits for Be 313.107 Recovery = 102.98%						
Bi 223.061	2.3	0.0011 mg/L	0.00154	0.0011 mg/L	0.00154	142.57%
Bi 190.171	27.6	0.0340 mg/L	0.00703	0.0340 mg/L	0.00703	20.64%
Ca 315.887	2414.8	1.068 mg/L	0.0159	1.068 mg/L	0.0159	1.49%
Ca 317.933	2861.0	1.065 mg/L	0.0141	1.065 mg/L	0.0141	1.32%
Cd 214.440	46149.8	1.041 mg/L	0.0124	1.041 mg/L	0.0124	1.19%
QC value within limits for Cd 214.440 Recovery = 104.11%						
Co 228.616	27231.2	1.067 mg/L	0.0107	1.067 mg/L	0.0107	1.00%
QC value within limits for Co 228.616 Recovery = 106.65%						
Cr 267.716	42565.7	1.103 mg/L	0.0186	1.103 mg/L	0.0186	1.69%
QC value greater than the upper limit for Cr 267.716 Recovery = 110.27%						
Cu 324.752	309917.1	1.040 mg/L	0.0233	1.040 mg/L	0.0233	2.24%
QC value within limits for Cu 324.752 Recovery = 104.04%						
Fe 238.204	43019.1	1.091 mg/L	0.0156	1.091 mg/L	0.0156	1.43%
QC value within limits for Fe 238.204 Recovery = 109.14%						
Fe 273.955	18024.8	1.083 mg/L	0.0197	1.083 mg/L	0.0197	1.82%
QC value within limits for Fe 273.955 Recovery = 108.26%						
K 766.490	28967.0	9.884 mg/L	0.2544	9.884 mg/L	0.2544	2.57%
Mg 279.077	267.4	1.111 mg/L	0.0016	1.111 mg/L	0.0016	0.15%
Mn 257.610	443911.1	1.033 mg/L	0.0624	1.033 mg/L	0.0624	6.04%
QC value within limits for Mn 257.610 Recovery = 103.32%						
Mo 202.031	4730.8	1.061 mg/L	0.0096	1.061 mg/L	0.0096	0.90%
QC value within limits for Mo 202.031 Recovery = 106.07%						
Na 589.592	7239.3	1.097 mg/L	0.1308	1.097 mg/L	0.1308	11.93%
Na 330.237	-9.0	-1.176 mg/L	0.5889	-1.176 mg/L	0.5889	50.10%
Ni 231.604	20277.4	1.082 mg/L	0.0156	1.082 mg/L	0.0156	1.44%
QC value within limits for Ni 231.604 Recovery = 108.20%						
Pb 220.353	21211.7	1.079 mg/L	0.0497	1.079 mg/L	0.0497	4.60%
QC value within limits for Pb 220.353 Recovery = 107.88%						
Sb 206.836	1006.5	0.9164 mg/L	0.01515	0.9164 mg/L	0.01515	1.65%
QC value within limits for Sb 206.836 Recovery = 91.64%						
Se 196.026	7938.5	1.013 mg/L	0.0036	1.013 mg/L	0.0036	0.35%
QC value within limits for Se 196.026 Recovery = 101.34%						
Sn 189.927	33.2	0.0108 mg/L	0.00095	0.0108 mg/L	0.00095	8.84%
Sr 407.771	420258.3	0.9770 mg/L	0.04208	0.9770 mg/L	0.04208	4.31%
QC value within limits for Sr 407.771 Recovery = 97.70%						
Sr 421.552	237336.8	0.9872 mg/L	0.04013	0.9872 mg/L	0.04013	4.07%
QC value within limits for Sr 421.552 Recovery = 98.72%						
Ti 334.940	386244.1	1.049 mg/L	0.0725	1.049 mg/L	0.0725	6.91%
QC value within limits for Ti 334.940 Recovery = 104.93%						
Tl 190.801	5748.1	1.040 mg/L	0.0138	1.040 mg/L	0.0138	1.33%
QC value within limits for Tl 190.801 Recovery = 103.96%						
V 290.880	164483.8	1.065 mg/L	0.0124	1.065 mg/L	0.0124	1.16%
QC value within limits for V 290.880 Recovery = 106.46%						
V 207.912	96.4	0.0389 mg/L	0.00602	0.0389 mg/L	0.00602	15.48%
V 371.029	1394.9				153.39	11.00%
Zn 206.200	15568.2	1.058 mg/L	0.0027	1.058 mg/L	0.0027	0.26%
QC value within limits for Zn 206.200 Recovery = 105.78%						
Zn 213.617	-1829.7	-1.346 mg/L	0.0746	-1.346 mg/L	0.0746	5.55%
Zn 251.611	45092.8	1.150 mg/L	0.0125	1.150 mg/L	0.0125	1.09%
QC value greater than the upper limit for Zn 251.611 Recovery = 114.96%						
Zn 670.784	68460.8	1.044 mg/L	0.0414	1.044 mg/L	0.0414	3.96%
Zn 610.262	7730.6	1.120 mg/L	0.0597	1.120 mg/L	0.0597	5.83%

Sequence No.: 101
 Sample ID: ICP_CCVGM(7-6-12)
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 6
 Date Collected: 10/17/2012 4:23:31 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Mean Data: ICP_CCVGM(7-6-12)

Analyte	Mean Corrected Intensity	Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Ag 328.068	76.1	0.0006 mg/L	0.00049	0.0006 mg/L	0.00049	84.04%
Al 308.215	-6.4	-0.0002 mg/L	0.00365	-0.0002 mg/L	0.00365	>999.9%
As 188.979	-6.0	-0.0011 mg/L	0.00348	-0.0011 mg/L	0.00348	320.45%
B 249.677	-3842.8	-0.0435 mg/L	0.00111	-0.0435 mg/L	0.00111	2.55%
Ba 233.527	98.8	0.0010 mg/L	0.00008	0.0010 mg/L	0.00008	8.15%
Be 313.107	664.7	0.0003 mg/L	0.00004	0.0003 mg/L	0.00004	14.49%
Bi 223.061	32.9	0.0152 mg/L	0.00396	0.0152 mg/L	0.00396	26.12%
Bi 190.171	12.6	0.0156 mg/L	0.00775	0.0156 mg/L	0.00775	49.85%
Ca 315.887	222112.7	98.25 mg/L	8.467	98.25 mg/L	8.467	8.62%
QC value within limits for Ca 315.887 Recovery = 98.25%						
Ca 317.933	263536.3	98.15 mg/L	8.491	98.15 mg/L	8.491	8.65%
QC value within limits for Ca 317.933 Recovery = 98.15%						
Cd 214.440	-35.7	-0.0008 mg/L	0.00002	-0.0008 mg/L	0.00002	2.35%
Co 228.616	19.9	0.0008 mg/L	0.00027	0.0008 mg/L	0.00027	35.13%
Cr 267.716	94.8	0.0025 mg/L	0.00031	0.0025 mg/L	0.00031	12.74%
Cu 324.752	1007.1	0.0034 mg/L	0.00021	0.0034 mg/L	0.00021	6.29%
Fe 238.204	188.5	0.0048 mg/L	0.00002	0.0048 mg/L	0.00002	0.48%
Fe 273.955	20.4	0.0012 mg/L	0.00066	0.0012 mg/L	0.00066	54.04%
K 766.490	288006.3	98.27 mg/L	7.714	98.27 mg/L	7.714	7.85%
QC value within limits for K 766.490 Recovery = 98.27%						
Mg 279.077	25375.9	105.4 mg/L	1.10	105.4 mg/L	1.10	1.04%
QC value within limits for Mg 279.077 Recovery = 105.43%						
Mn 257.610	1634.6	0.0038 mg/L	0.00010	0.0038 mg/L	0.00010	2.55%
Mo 202.031	35.1	0.0079 mg/L	0.00018	0.0079 mg/L	0.00018	2.28%
Na 589.592	648320.8	98.20 mg/L	7.532	98.20 mg/L	7.532	7.67%
QC value within limits for Na 589.592 Recovery = 98.20%						
Na 330.237	816.9	106.2 mg/L	0.83	106.2 mg/L	0.83	0.79%
QC value within limits for Na 330.237 Recovery = 106.17%						
Ni 231.604	6.8	0.0004 mg/L	0.00044	0.0004 mg/L	0.00044	122.31%
Pb 220.353	57.1	0.0029 mg/L	0.00111	0.0029 mg/L	0.00111	38.25%
Sb 206.836	-16.0	-0.0146 mg/L	0.00471	-0.0146 mg/L	0.00471	32.24%
Se 196.026	-250.1	-0.0319 mg/L	0.00618	-0.0319 mg/L	0.00618	19.35%
Sn 189.927	-87.4	-0.0284 mg/L	0.00073	-0.0284 mg/L	0.00073	2.59%
Sr 407.771	466.7	0.0011 mg/L	0.00005	0.0011 mg/L	0.00005	4.32%
Sr 421.552	226.0	0.0009 mg/L	0.00010	0.0009 mg/L	0.00010	11.06%
Ti 334.940	3656.9	0.0099 mg/L	0.00027	0.0099 mg/L	0.00027	2.70%
Tl 190.801	-73.0	-0.0132 mg/L	0.00076	-0.0132 mg/L	0.00076	5.73%
T 290.880	-789.1	-0.0051 mg/L	0.00026	-0.0051 mg/L	0.00026	5.08%
V 207.912	33.4	0.0135 mg/L	0.00139	0.0135 mg/L	0.00139	10.29%
Z 371.029	1457.6				41.92	2.88%
Zn 206.200	3.8	0.0003 mg/L	0.00035	0.0003 mg/L	0.00035	136.23%
Z 213.617	-5.8	-0.0042 mg/L	0.00074	-0.0042 mg/L	0.00074	17.34%
Zi 251.611	2905.0	0.0741 mg/L	0.00328	0.0741 mg/L	0.00328	4.43%
Zi 670.784	696.5	0.0106 mg/L	0.00347	0.0106 mg/L	0.00347	32.67%
Zi 610.362	-1099.6	-0.1592 mg/L	0.07155	-0.1592 mg/L	0.07155	44.93%
Z 181.975	9.0	0.0371 mg/L	0.01460	0.0371 mg/L	0.01460	39.31%

All analyte(s) passed QC.

ALAB: 00242

Sequence No.: 102
 Sample ID: ICP_CCB(Daily)
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 8
 Date Collected: 10/17/2012 4:26:08 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Mean Data: ICP_CCB(Daily)

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Conc. Units	Sample	Std.Dev.	RSD
Ag 328.068	2314.8	0.0178 mg/L	0.00016	0.0178 mg/L	0.00016	0.90%		
Al 308.215	59.0	0.0017 mg/L	0.00004	0.0017 mg/L	0.00004	2.15%		
As 188.979	0.8	0.0001 mg/L	0.01011	0.0001 mg/L	0.01011	>999.9%		
B 249.677	-4588.4	-0.0519 mg/L	0.00015	-0.0519 mg/L	0.00015	0.29%		
Ba 233.527	38.6	0.0004 mg/L	0.00001	0.0004 mg/L	0.00001	1.70%		
Be 313.107	386.7	0.0002 mg/L	0.00003	0.0002 mg/L	0.00003	19.94%		
Bi 223.061	7.2	0.0033 mg/L	0.00305	0.0033 mg/L	0.00305	91.37%		
Bi 190.171	1.8	0.0022 mg/L	0.00265	0.0022 mg/L	0.00265	119.24%		
Ca 315.887	153.3	0.0678 mg/L	0.00092	0.0678 mg/L	0.00092	1.35%		
Ca 317.933	184.5	0.0687 mg/L	0.00668	0.0687 mg/L	0.00668	9.72%		
Cd 214.440	7.4	0.0002 mg/L	0.00013	0.0002 mg/L	0.00013	79.82%		
Co 228.616	8.4	0.0003 mg/L	0.00036	0.0003 mg/L	0.00036	109.16%		
Cr 267.716	21.1	0.0005 mg/L	0.00027	0.0005 mg/L	0.00027	48.78%		
Cu 324.752	119.6	0.0004 mg/L	0.00028	0.0004 mg/L	0.00028	69.33%		
Fe 238.204	41.0	0.0010 mg/L	0.00007	0.0010 mg/L	0.00007	6.80%		
Fe 273.955	85.9	0.0052 mg/L	0.00030	0.0052 mg/L	0.00030	5.76%		
Fe 766.490	484.8	0.1654 mg/L	0.11464	0.1654 mg/L	0.11464	69.30%		
Ga 279.077	21.6	0.0897 mg/L	0.00400	0.0897 mg/L	0.00400	4.46%		
In 257.610	185.3	0.0004 mg/L	0.00004	0.0004 mg/L	0.00004	8.88%		
Mo 202.031	7.8	0.0017 mg/L	0.00007	0.0017 mg/L	0.00007	3.74%		
QC value less than the lower limit for Mo 202.031 Recovery = 0.17%								
La 589.592	1055.9	0.1599 mg/L	0.00530	0.1599 mg/L	0.00530	3.31%		
La 330.237	8.0	1.041 mg/L	0.8420	1.041 mg/L	0.8420	80.86%		
Li 231.604	5.1	0.0003 mg/L	0.00010	0.0003 mg/L	0.00010	35.21%		
Pb 220.353	44.4	0.0023 mg/L	0.00002	0.0023 mg/L	0.00002	0.89%		
Sb 206.836	-3.5	-0.0031 mg/L	0.00161	-0.0031 mg/L	0.00161	51.25%		
QC value less than the lower limit for Sb 206.836 Recovery = -0.31%								
Se 196.026	-109.0	-0.0139 mg/L	0.00794	-0.0139 mg/L	0.00794	57.03%		
In 189.927	6.4	0.0021 mg/L	0.00135	0.0021 mg/L	0.00135	64.98%		
Ir 407.771	189.7	0.0004 mg/L	0.00020	0.0004 mg/L	0.00020	44.39%		
Ir 421.552	88.4	0.0004 mg/L	0.00021	0.0004 mg/L	0.00021	57.88%		
Li 334.940	-42.7	-0.0001 mg/L	0.00004	-0.0001 mg/L	0.00004	37.16%		
Li 190.801	1.2	0.0002 mg/L	0.00218	0.0002 mg/L	0.00218	>999.9%		
Li 290.880	150.2	0.0010 mg/L	0.00002	0.0010 mg/L	0.00002	2.25%		
Li 207.912	1.2	0.0005 mg/L	0.00076	0.0005 mg/L	0.00076	159.04%		
Li 371.029	1688.7				93.15	5.52%		
In 206.200	8.6	0.0006 mg/L	0.00009	0.0006 mg/L	0.00009	14.74%		
Li 213.617	4.7	0.0035 mg/L	0.00141	0.0035 mg/L	0.00141	40.52%		
Li 251.611	922.8	0.0235 mg/L	0.00051	0.0235 mg/L	0.00051	2.16%		
Li 670.784	-87.0	-0.0013 mg/L	0.00235	-0.0013 mg/L	0.00235	176.84%		
Li 610.362	11.2	0.0016 mg/L	0.02129	0.0016 mg/L	0.02129	>999.9%		
Li 181.975	6.6	0.0269 mg/L	0.00336	0.0269 mg/L	0.00336	12.48%		

QC Failed. Continue with analysis.

ALAB: 00243

User canceled analysis.

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Analysis Begun

Start Time: 10/17/2012 1:32:15 PM

Plasma On Time: 10/17/2012 11:56:53 AM

Logged In Analyst: kedy

Technique: ICP Continuous

Spectrometer Model: Optima 4300 DV, S/N 077N1091901 Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\10-17-12.sif

Batch ID: 10-17-12

Results Data Set: 10-17-12

Results Library: C:\pe\Administrator\Results\Results.mdb

Sequence No.: 50

Autosampler Location: 8

Sample ID: ICP_CCB(Daily)

Date Collected: 10/17/2012 1:32:15 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

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Mean Data: ICP_CCB(Daily)

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Conc. Units	Std.Dev.	RSD
Ag 328.068	2655.8	0.0205 mg/L	0.00002	0.00002	0.0205 mg/L	0.00002	0.11%
Al 308.215	50.5	0.0015 mg/L	0.00387	0.00387	0.0015 mg/L	0.00387	262.82%
As 188.979	10.6	0.0019 mg/L	0.00103	0.00103	0.0019 mg/L	0.00103	53.79%
B 249.677	-3474.0	-0.0393 mg/L	0.00046	0.00046	-0.0393 mg/L	0.00046	1.17%
Ba 233.527	115.2	0.0011 mg/L	0.00006	0.00006	0.0011 mg/L	0.00006	5.04%
Be 313.107	1687.6	0.0008 mg/L	0.00005	0.00005	0.0008 mg/L	0.00005	5.99%
Bi 223.061	5.8	0.0027 mg/L	0.00201	0.00201	0.0027 mg/L	0.00201	74.89%
Bi 190.171	-0.7	-0.0009 mg/L	0.00373	0.00373	-0.0009 mg/L	0.00373	416.10%
Ca 315.887	30.5	0.0151 mg/L	0.00049	0.00049	0.0151 mg/L	0.00049	3.25%
Ca 317.933	35.5	0.0148 mg/L	0.00104	0.00104	0.0148 mg/L	0.00104	7.04%
Cd 214.440	39.0	0.0009 mg/L	0.00019	0.00019	0.0009 mg/L	0.00019	21.46%
Co 228.616	33.4	0.0013 mg/L	0.00028	0.00028	0.0013 mg/L	0.00028	21.50%
Cr 267.716	42.9	0.0011 mg/L	0.00018	0.00018	0.0011 mg/L	0.00018	16.23%
Cu 324.752	277.9	0.0009 mg/L	0.00010	0.00010	0.0009 mg/L	0.00010	10.88%
Fe 238.204	86.5	0.0022 mg/L	0.00029	0.00029	0.0022 mg/L	0.00029	13.04%
Fe 273.955	101.3	0.0061 mg/L	0.00029	0.00029	0.0061 mg/L	0.00029	4.80%
K 766.490	239.9	0.0908 mg/L	0.06441	0.06441	0.0908 mg/L	0.06441	70.92%
Ag 279.077	1.8	0.0080 mg/L	0.00383	0.00383	0.0080 mg/L	0.00383	48.13%
Mn 257.610	475.8	0.0011 mg/L	0.00002	0.00002	0.0011 mg/L	0.00002	1.43%
Mo 202.031	12.6	0.0028 mg/L	0.00095	0.00095	0.0028 mg/L	0.00095	33.73%
QC value less than the lower limit for Mo 202.031				Recovery = 0.28%			
Na 589.592	313.9	0.0528 mg/L	0.02854	0.02854	0.0528 mg/L	0.02854	54.02%
Na 330.237	1.4	0.1951 mg/L	0.69941	0.69941	0.1951 mg/L	0.69941	358.47%
Ni 231.604	6.1	0.0003 mg/L	0.00021	0.00021	0.0003 mg/L	0.00021	63.73%
Pb 220.353	62.5	0.0032 mg/L	0.00019	0.00019	0.0032 mg/L	0.00019	6.01%
Sb 206.836	8.3	0.0075 mg/L	0.00547	0.00547	0.0075 mg/L	0.00547	72.42%
QC value less than the lower limit for Sb 206.836				Recovery = 0.75%			
Se 196.026	-6.5	-0.0008 mg/L	0.00614	0.00614	-0.0008 mg/L	0.00614	745.69%
Sn 189.927	-1.9	-0.0006 mg/L	0.00103	0.00103	-0.0006 mg/L	0.00103	170.34%
Sr 407.771	466.8	0.0011 mg/L	0.00043	0.00043	0.0011 mg/L	0.00043	39.27%
Sr 421.552	176.0	0.0007 mg/L	0.00012	0.00012	0.0007 mg/L	0.00012	16.11%
Ti 334.940	94.3	0.0003 mg/L	0.00036	0.00036	0.0003 mg/L	0.00036	139.80%
Tl 190.801	-8.4	-0.0015 mg/L	0.00488	0.00488	-0.0015 mg/L	0.00488	322.13%
V 290.880	177.9	0.0012 mg/L	0.00006	0.00006	0.0012 mg/L	0.00006	5.04%
V 207.912	-2.8	-0.0011 mg/L	0.00028	0.00028	-0.0011 mg/L	0.00028	25.13%
Zr 371.029	1684.0					43.42	2.58%
Zn 206.200	16.5	0.0011 mg/L	0.00020	0.00020	0.0011 mg/L	0.00020	18.06%
Zr 213.617	8.9	0.0065 mg/L	0.00337	0.00337	0.0065 mg/L	0.00337	51.66%
Zr 251.611	133.0	0.0034 mg/L	0.00019	0.00019	0.0034 mg/L	0.00019	5.63%
Zr 670.784	210.4	0.0032 mg/L	0.00113	0.00113	0.0032 mg/L	0.00113	35.09%
Zr 610.362	166.6	0.0241 mg/L	0.01882	0.01882	0.0241 mg/L	0.01882	77.99%
Zr 181.975	1.4	0.0057 mg/L	0.00998	0.00998	0.0057 mg/L	0.00998	175.96%

QC Failed. Continue with analysis.

ALAB: 00244

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Analysis Begun

Start Time: 10/17/2012 2:34:29 PM

Plasma On Time: 10/17/2012 11:56:53 AM

Logged In Analyst: kedy

Technique: ICP Continuous

Spectrometer Model: Optima 4300 DV, S/N 077N1091901 Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\10-17-12.sif

Batch ID: 10-17-12

Results Data Set: 10-17-12

Results Library: C:\pe\Administrator\Results\Results.mdb
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Sequence No.: 61

Autosampler Location: 7

Sample ID: ICP_CCV(7-6-12)

Date Collected: 10/17/2012 2:34:29 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:
=====

Mean Data: ICP_CCV(7-6-12)

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Ag 328.068	67825.3	0.5224 mg/L	0.00307	0.5224 mg/L	0.00307	0.59%
QC value within limits for Ag 328.068 Recovery = 104.47%						
Al 308.215	36774.4	1.072 mg/L	0.0037	1.072 mg/L	0.0037	0.34%
QC value within limits for Al 308.215 Recovery = 107.25%						
As 188.979	5633.0	1.017 mg/L	0.0054	1.017 mg/L	0.0054	0.53%
QC value within limits for As 188.979 Recovery = 101.73%						
B 249.677	85356.3	0.9655 mg/L	0.00574	0.9655 mg/L	0.00574	0.59%
QC value within limits for B 249.677 Recovery = 96.55%						
Ba 233.527	115422.9	1.121 mg/L	0.0117	1.121 mg/L	0.0117	1.05%
QC value greater than the upper limit for Ba 233.527 Recovery = 112.05%						
Be 313.107	2357517.3	1.065 mg/L	0.0298	1.065 mg/L	0.0298	2.80%
QC value within limits for Be 313.107 Recovery = 106.52%						
Bi 223.061	-41.4	-0.0191 mg/L	0.00087	-0.0191 mg/L	0.00087	4.58%
Bi 190.171	5.3	0.0065 mg/L	0.00037	0.0065 mg/L	0.00037	5.69%
Ca 315.887	2432.6	1.200 mg/L	0.0020	1.200 mg/L	0.0020	0.16%
Ca 317.933	2893.6	1.208 mg/L	0.0108	1.208 mg/L	0.0108	0.89%
Cd 214.440	47162.1	1.064 mg/L	0.0151	1.064 mg/L	0.0151	1.42%
QC value within limits for Cd 214.440 Recovery = 106.40%						
Co 228.616	27502.3	1.077 mg/L	0.0118	1.077 mg/L	0.0118	1.10%
QC value within limits for Co 228.616 Recovery = 107.71%						
Cr 267.716	42555.3	1.102 mg/L	0.0064	1.102 mg/L	0.0064	0.58%
QC value greater than the upper limit for Cr 267.716 Recovery = 110.24%						
Cu 324.752	308088.0	1.034 mg/L	0.0085	1.034 mg/L	0.0085	0.83%
QC value within limits for Cu 324.752 Recovery = 103.43%						
Fe 238.204	44124.6	1.119 mg/L	0.0246	1.119 mg/L	0.0246	2.20%
QC value greater than the upper limit for Fe 238.204 Recovery = 111.95%						
Fe 273.955	18005.7	1.081 mg/L	0.0175	1.081 mg/L	0.0175	1.62%
QC value within limits for Fe 273.955 Recovery = 108.14%						
K 766.490	29124.7	11.03 mg/L	0.245	11.03 mg/L	0.245	2.22%
Mg 279.077	276.3	1.235 mg/L	0.0007	1.235 mg/L	0.0007	0.06%
Mn 257.610	462791.2	1.077 mg/L	0.0356	1.077 mg/L	0.0356	3.30%
QC value within limits for Mn 257.610 Recovery = 107.72%						
Mo 202.031	4604.7	1.032 mg/L	0.0013	1.032 mg/L	0.0013	0.13%
QC value within limits for Mo 202.031 Recovery = 103.24%						
Na 589.592	6964.2	1.172 mg/L	0.0953	1.172 mg/L	0.0953	8.13%
Na 330.237	-17.1	-2.363 mg/L	0.6812	-2.363 mg/L	0.6812	28.82%
Ni 231.604	20594.1	1.099 mg/L	0.0233	1.099 mg/L	0.0233	2.12%
QC value within limits for Ni 231.604 Recovery = 109.89%						
Pb 220.353	22081.1	1.123 mg/L	0.0220	1.123 mg/L	0.0220	1.96%
QC value greater than the upper limit for Pb 220.353 Recovery = 112.31%						
Sb 206.836	1069.1	0.9733 mg/L	0.00216	0.9733 mg/L	0.00216	0.22%
QC value within limits for Sb 206.836 Recovery = 97.33%						
Se 196.026	8157.4	1.041 mg/L	0.0058	1.041 mg/L	0.0058	0.55%
QC value within limits for Se 196.026 Recovery = 104.13%						
Sn 189.927	-10.2	-0.0033 mg/L	0.00124	-0.0033 mg/L	0.00124	37.39%
Sr 407.771	410328.0	0.9539 mg/L	0.01546	0.9539 mg/L	0.01546	1.62%
QC value within limits for Sr 407.771 Recovery = 95.39%						
Sr 421.552	231630.6	0.9635 mg/L	0.00868	0.9635 mg/L	0.00868	0.90%
QC value within limits for Sr 421.552 Recovery = 96.35%						
Ti 334.940	399633.0	1.086 mg/L	0.0335	1.086 mg/L	0.0335	3.09%
QC value within limits for Ti 334.940 Recovery = 108.56%						
Tl 190.801	5946.6	1.075 mg/L	0.0024	1.075 mg/L	0.0024	0.22%
QC value within limits for Tl 190.801 Recovery = 107.55%						

ALAB: 00245

W 207.912	19.7	0.0080 mg/L	0.00032	0.0080 mg/L	0.00032	3.96%
Y 371.029	1794.3				14.94	0.83%
Zn 206.200	15823.2	1.075 mg/L	0.0248	1.075 mg/L	0.0248	2.31%
QC value within limits for Zn 206.200 Recovery = 107.51%						
P 213.617	-1810.3	-1.332 mg/L	0.0905	-1.332 mg/L	0.0905	6.80%
Si 251.611	41215.6	1.051 mg/L	0.0107	1.051 mg/L	0.0107	1.02%
QC value within limits for Si 251.611 Recovery = 105.07%						
Li 670.784	64379.1	0.9814 mg/L	0.03268	0.9814 mg/L	0.03268	3.33%
Li 610.362	6616.2	0.9581 mg/L	0.05873	0.9581 mg/L	0.05873	6.13%
S 181.975	5.0	0.0205 mg/L	0.00097	0.0205 mg/L	0.00097	4.72%

QC Failed. Continue with analysis.

ALAB: 00246

User canceled analysis.

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Analysis Begun

Start Time: 10/17/2012 2:37:59 PM

Plasma On Time: 10/17/2012 11:56:53 AM

Logged In Analyst: kedy

Technique: ICP Continuous

Spectrometer Model: Optima 4300 DV, S/N 077N1091901 Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\10-17-12.sif

Batch ID: 10-17-12

Results Data Set: 10-17-12

Results Library: C:\pe\Administrator\Results\Results.mdb

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Sequence No.: 63

Autosampler Location: 8

Sample ID: ICP_CCB(Daily)

Date Collected: 10/17/2012 2:37:59 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Mean Data: ICP_CCB(Daily)

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Conc. Units	Std.Dev.	RSD
Ag 328.068	2702.3	0.0208 mg/L	0.00048	0.00048	0.0208 mg/L	0.00048	2.29%
Al 308.215	99.7	0.0029 mg/L	0.00169	0.00169	0.0029 mg/L	0.00169	57.99%
As 188.979	21.4	0.0039 mg/L	0.00044	0.00044	0.0039 mg/L	0.00044	11.35%
B 249.677	-3391.7	-0.0384 mg/L	0.00004	0.00004	-0.0384 mg/L	0.00004	0.10%
Ba 233.527	69.5	0.0007 mg/L	0.00000	0.00000	0.0007 mg/L	0.00000	0.43%
Be 313.107	816.3	0.0004 mg/L	0.00007	0.00007	0.0004 mg/L	0.00007	17.67%
Bi 223.061	5.6	0.0026 mg/L	0.00061	0.00061	0.0026 mg/L	0.00061	23.67%
Bi 190.171	1.0	0.0012 mg/L	0.00447	0.00447	0.0012 mg/L	0.00447	359.21%
Ca 315.887	16.9	0.0084 mg/L	0.00455	0.00455	0.0084 mg/L	0.00455	54.50%
Ca 317.933	36.9	0.0154 mg/L	0.00199	0.00199	0.0154 mg/L	0.00199	12.90%
Cd 214.440	7.7	0.0002 mg/L	0.00002	0.00002	0.0002 mg/L	0.00002	11.10%
Co 228.616	22.0	0.0009 mg/L	0.00040	0.00040	0.0009 mg/L	0.00040	46.87%
Cr 267.716	22.6	0.0006 mg/L	0.00031	0.00031	0.0006 mg/L	0.00031	52.95%
Cu 324.752	151.1	0.0005 mg/L	0.00042	0.00042	0.0005 mg/L	0.00042	83.67%
Fe 238.204	94.7	0.0024 mg/L	0.00012	0.00012	0.0024 mg/L	0.00012	5.01%
Fe 273.955	102.0	0.0061 mg/L	0.00003	0.00003	0.0061 mg/L	0.00003	0.42%
K 766.490	94.7	0.0359 mg/L	0.03041	0.03041	0.0359 mg/L	0.03041	84.80%
Mg 279.077	2.1	0.0094 mg/L	0.00988	0.00988	0.0094 mg/L	0.00988	105.60%
Mn 257.610	280.0	0.0007 mg/L	0.00002	0.00002	0.0007 mg/L	0.00002	2.52%
Mo 202.031	12.7	0.0029 mg/L	0.00096	0.00096	0.0029 mg/L	0.00096	33.79%
QC value less than the lower limit for Mo 202.031 Recovery = 0.29%							
Na 589.592	251.3	0.0423 mg/L	0.00146	0.00146	0.0423 mg/L	0.00146	3.45%
Na 330.237	1.8	0.2554 mg/L	0.28161	0.28161	0.2554 mg/L	0.28161	110.26%
Ni 231.604	4.2	0.0002 mg/L	0.00014	0.00014	0.0002 mg/L	0.00014	62.72%
Pb 220.353	49.1	0.0025 mg/L	0.00288	0.00288	0.0025 mg/L	0.00288	115.15%
Sb 206.836	5.4	0.0049 mg/L	0.00408	0.00408	0.0049 mg/L	0.00408	82.72%
QC value less than the lower limit for Sb 206.836 Recovery = 0.49%							
Se 196.026	-93.9	-0.0120 mg/L	0.01042	0.01042	-0.0120 mg/L	0.01042	86.89%
Sn 189.927	-2.4	-0.0008 mg/L	0.00023	0.00023	-0.0008 mg/L	0.00023	29.73%
Sr 407.771	263.0	0.0006 mg/L	0.00014	0.00014	0.0006 mg/L	0.00014	22.55%
Sr 421.552	110.2	0.0005 mg/L	0.00033	0.00033	0.0005 mg/L	0.00033	71.56%
Ti 334.940	46.4	0.0001 mg/L	0.00027	0.00027	0.0001 mg/L	0.00027	214.31%
Tl 190.801	8.9	0.0016 mg/L	0.00196	0.00196	0.0016 mg/L	0.00196	122.31%
V 290.880	201.0	0.0013 mg/L	0.00012	0.00012	0.0013 mg/L	0.00012	9.48%
W 207.912	-2.2	-0.0009 mg/L	0.00008	0.00008	-0.0009 mg/L	0.00008	8.55%
Y 371.029	1643.5					99.15	6.03%
Zn 206.200	6.0	0.0004 mg/L	0.00028	0.00028	0.0004 mg/L	0.00028	68.95%
P 213.617	4.9	0.0036 mg/L	0.00199	0.00199	0.0036 mg/L	0.00199	55.86%
Si 251.611	114.7	0.0029 mg/L	0.00027	0.00027	0.0029 mg/L	0.00027	9.17%
Li 670.784	421.7	0.0064 mg/L	0.00063	0.00063	0.0064 mg/L	0.00063	9.78%
Li 610.362	200.8	0.0291 mg/L	0.01499	0.01499	0.0291 mg/L	0.01499	51.52%
S 181.975	5.5	0.0226 mg/L	0.01293	0.01293	0.0226 mg/L	0.01293	57.19%

QC Failed. Continue with analysis.

ALAB: 00247

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Analysis Begun

Start Time: 10/17/2012 3:12:17 PM

Plasma On Time: 10/17/2012 11:56:53 AM

Logged In Analyst: kedy

Technique: ICP Continuous

Spectrometer Model: Optima 4300 DV, S/N 077N1091901Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\10-17-12.sif

Batch ID: 10-17-12

Results Data Set: 10-17-12

Results Library: C:\pe\Administrator\Results\Results.mdb
=====

Sequence No.: 74

Autosampler Location: 7

Sample ID: ICP_CCV(7-6-12)

Date Collected: 10/17/2012 3:12:17 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:
=====

Mean Data: ICP_CCV(7-6-12)

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Ag 328.068	64922.5	0.5000 mg/L		0.00339	0.5000 mg/L	0.00339	0.68%
QC value within limits for Ag 328.068 Recovery = 100.00%							
Al 308.215	35157.7	1.025 mg/L		0.0047	1.025 mg/L	0.0047	0.46%
QC value within limits for Al 308.215 Recovery = 102.53%							
As 188.979	5583.3	1.008 mg/L		0.0019	1.008 mg/L	0.0019	0.19%
QC value within limits for As 188.979 Recovery = 100.83%							
B 249.677	80498.8	0.9106 mg/L		0.01190	0.9106 mg/L	0.01190	1.31%
QC value within limits for B 249.677 Recovery = 91.06%							
Ba 233.527	109735.5	1.065 mg/L		0.0092	1.065 mg/L	0.0092	0.87%
QC value within limits for Ba 233.527 Recovery = 106.53%							
Be 313.107	2221028.4	1.003 mg/L		0.0631	1.003 mg/L	0.0631	6.28%
QC value within limits for Be 313.107 Recovery = 100.35%							
Bi 223.061	-46.6	-0.0215 mg/L		0.00119	-0.0215 mg/L	0.00119	5.53%
Bi 190.171	3.6	0.0044 mg/L		0.00155	0.0044 mg/L	0.00155	35.12%
Ca 315.887	2473.8	1.221 mg/L		0.0050	1.221 mg/L	0.0050	0.41%
Ca 317.933	2938.3	1.226 mg/L		0.0063	1.226 mg/L	0.0063	0.51%
Cd 214.440	44753.3	1.010 mg/L		0.0157	1.010 mg/L	0.0157	1.56%
QC value within limits for Cd 214.440 Recovery = 100.96%							
Co 228.616	26394.4	1.034 mg/L		0.0081	1.034 mg/L	0.0081	0.78%
QC value within limits for Co 228.616 Recovery = 103.37%							
Cr 267.716	40773.2	1.056 mg/L		0.0147	1.056 mg/L	0.0147	1.39%
QC value within limits for Cr 267.716 Recovery = 105.62%							
Cu 324.752	287416.2	0.9649 mg/L		0.06340	0.9649 mg/L	0.06340	6.57%
QC value within limits for Cu 324.752 Recovery = 96.49%							
Fe 238.204	41945.7	1.064 mg/L		0.0093	1.064 mg/L	0.0093	0.88%
QC value within limits for Fe 238.204 Recovery = 106.42%							
Fe 273.955	17350.5	1.042 mg/L		0.0069	1.042 mg/L	0.0069	0.66%
QC value within limits for Fe 273.955 Recovery = 104.21%							
K 766.490	28588.4	10.82 mg/L		0.280	10.82 mg/L	0.280	2.59%
Mg 279.077	272.2	1.216 mg/L		0.0282	1.216 mg/L	0.0282	2.32%
Mn 257.610	441814.5	1.028 mg/L		0.0633	1.028 mg/L	0.0633	6.16%
QC value within limits for Mn 257.610 Recovery = 102.84%							
Mo 202.031	4527.0	1.015 mg/L		0.0027	1.015 mg/L	0.0027	0.27%
QC value within limits for Mo 202.031 Recovery = 101.50%							
Na 589.592	7034.6	1.184 mg/L		0.0378	1.184 mg/L	0.0378	3.19%
Na 330.237	-17.9	-2.471 mg/L		0.7663	-2.471 mg/L	0.7663	31.01%
Ni 231.604	19533.7	1.042 mg/L		0.0146	1.042 mg/L	0.0146	1.40%
QC value within limits for Ni 231.604 Recovery = 104.23%							
Pb 220.353	20452.4	1.040 mg/L		0.0070	1.040 mg/L	0.0070	0.67%
QC value within limits for Pb 220.353 Recovery = 104.02%							
Sb 206.836	1051.9	0.9577 mg/L		0.00666	0.9577 mg/L	0.00666	0.70%
QC value within limits for Sb 206.836 Recovery = 95.77%							
Se 196.026	8001.5	1.021 mg/L		0.0077	1.021 mg/L	0.0077	0.76%
QC value within limits for Se 196.026 Recovery = 102.14%							
Sn 189.927	-6.9	-0.0022 mg/L		0.00165	-0.0022 mg/L	0.00165	73.22%
Sr 407.771	418111.6	0.9720 mg/L		0.02597	0.9720 mg/L	0.02597	2.67%
QC value within limits for Sr 407.771 Recovery = 97.20%							
Sr 421.552	235597.8	0.9800 mg/L		0.02684	0.9800 mg/L	0.02684	2.74%
QC value within limits for Sr 421.552 Recovery = 98.00%							
Ti 334.940	378369.7	1.028 mg/L		0.0622	1.028 mg/L	0.0622	6.05%
QC value within limits for Ti 334.940 Recovery = 102.79%							
Tl 190.801	5850.2	1.058 mg/L		0.0084	1.058 mg/L	0.0084	0.80%

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W 207.912	22.6	0.0091 mg/L	0.00279	0.0091 mg/L	0.00279	30.51%
Y 371.029	1634.4				105.53	6.46%
Zn 206.200	15079.1	1.025 mg/L	0.0067	1.025 mg/L	0.0067	0.65%
QC value within limits for Zn 206.200 Recovery = 102.46%						
P 213.617	-1860.0	-1.368 mg/L	0.0613	-1.368 mg/L	0.0613	4.48%
Si 251.611	39296.9	1.002 mg/L	0.0051	1.002 mg/L	0.0051	0.51%
QC value within limits for Si 251.611 Recovery = 100.18%						
Li 670.784	66089.0	1.007 mg/L	0.0332	1.007 mg/L	0.0332	3.30%
Li 610.362	6671.0	0.9661 mg/L	0.10413	0.9661 mg/L	0.10413	10.78%
S 181.975	6.8	0.0278 mg/L	0.03769	0.0278 mg/L	0.03769	135.52%

All analyte(s) passed QC.

ALAB: 00249

User canceled analysis.

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Analysis Begun

Start Time: 10/17/2012 3:14:18 PM

Plasma On Time: 10/17/2012 11:56:53 AM

Logged In Analyst: kedy

Technique: ICP Continuous

Spectrometer Model: Optima 4300 DV, S/N 077N1091901 Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\10-17-12.sif

Batch ID: 10-17-12

Results Data Set: 10-17-12

Results Library: C:\pe\Administrator\Results\Results.mdb

Sequence No.: 76

Sample ID: ICP_CCB(Daily)

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 8

Date Collected: 10/17/2012 3:14:18 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Mean Data: ICP_CCB(Daily)

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Conc. Units	Std.Dev.	RSD
Ag 328.068	2454.7	0.0189 mg/L		0.00008	0.0189 mg/L	0.00008	0.42%
Al 308.215	28.4	0.0008 mg/L		0.00032	0.0008 mg/L	0.00032	38.25%
As 188.979	14.3	0.0026 mg/L		0.00257	0.0026 mg/L	0.00257	99.18%
B 249.677	-3843.8	-0.0435 mg/L		0.00040	-0.0435 mg/L	0.00040	0.92%
Ba 233.527	141.2	0.0014 mg/L		0.00016	0.0014 mg/L	0.00016	11.97%
Be 313.107	2306.9	0.0010 mg/L		0.00013	0.0010 mg/L	0.00013	12.48%
Bi 223.061	0.5	0.0002 mg/L		0.00092	0.0002 mg/L	0.00092	378.21%
Bi 190.171	1.9	0.0024 mg/L		0.00503	0.0024 mg/L	0.00503	210.73%
Ca 315.887	29.6	0.0146 mg/L		0.00111	0.0146 mg/L	0.00111	7.56%
Ca 317.933	31.3	0.0130 mg/L		0.00401	0.0130 mg/L	0.00401	30.72%
Cd 214.440	50.4	0.0011 mg/L		0.00027	0.0011 mg/L	0.00027	24.17%
Co 228.616	34.2	0.0013 mg/L		0.00007	0.0013 mg/L	0.00007	5.54%
Cr 267.716	56.6	0.0015 mg/L		0.00015	0.0015 mg/L	0.00015	10.46%
Cu 324.752	346.3	0.0012 mg/L		0.00050	0.0012 mg/L	0.00050	43.01%
Fe 238.204	89.5	0.0023 mg/L		0.00002	0.0023 mg/L	0.00002	1.02%
Fe 273.955	101.3	0.0061 mg/L		0.00026	0.0061 mg/L	0.00026	4.21%
K 766.490	63.5	0.0241 mg/L		0.02343	0.0241 mg/L	0.02343	97.40%
Mg 279.077	10.1	0.0450 mg/L		0.00247	0.0450 mg/L	0.00247	5.49%
Mn 257.610	543.3	0.0013 mg/L		0.00012	0.0013 mg/L	0.00012	9.79%
Mo 202.031	17.1	0.0038 mg/L		0.00027	0.0038 mg/L	0.00027	6.96%
QC value less than the lower limit for Mo 202.031				Recovery = 0.38%			
Na 589.592	393.9	0.0663 mg/L		0.00057	0.0663 mg/L	0.00057	0.86%
Na 330.237	-2.8	-0.3832 mg/L		0.95136	-0.3832 mg/L	0.95136	248.26%
Ni 231.604	15.4	0.0008 mg/L		0.00049	0.0008 mg/L	0.00049	59.30%
Pb 220.353	67.9	0.0035 mg/L		0.00159	0.0035 mg/L	0.00159	45.95%
Sb 206.836	4.7	0.0043 mg/L		0.00107	0.0043 mg/L	0.00107	24.97%
QC value less than the lower limit for Sb 206.836				Recovery = 0.43%			
Se 196.026	23.1	0.0030 mg/L		0.00340	0.0030 mg/L	0.00340	115.36%
Sn 189.927	-0.4	-0.0001 mg/L		0.00176	-0.0001 mg/L	0.00176	>999.9%
Sr 407.771	837.5	0.0019 mg/L		0.00008	0.0019 mg/L	0.00008	3.99%
Sr 421.552	395.8	0.0016 mg/L		0.00036	0.0016 mg/L	0.00036	21.82%
Ti 334.940	418.1	0.0011 mg/L		0.00011	0.0011 mg/L	0.00011	10.02%
Tl 190.801	15.2	0.0027 mg/L		0.00175	0.0027 mg/L	0.00175	63.92%
V 290.880	311.7	0.0020 mg/L		0.00021	0.0020 mg/L	0.00021	10.29%
W 207.912	-2.4	-0.0010 mg/L		0.00081	-0.0010 mg/L	0.00081	83.72%
Y 371.029	1600.6					121.85	7.61%
Zn 206.200	17.9	0.0012 mg/L		0.00026	0.0012 mg/L	0.00026	21.22%
P 213.617	-0.8	-0.0006 mg/L		0.00042	-0.0006 mg/L	0.00042	70.67%
Si 251.611	363.3	0.0093 mg/L		0.00025	0.0093 mg/L	0.00025	2.67%
Li 670.784	287.2	0.0044 mg/L		0.00504	0.0044 mg/L	0.00504	115.11%
Li 610.362	10.8	0.0016 mg/L		0.01382	0.0016 mg/L	0.01382	881.00%
S 181.975	-2.3	-0.0093 mg/L		0.00783	-0.0093 mg/L	0.00783	84.47%

QC Failed. Continue with analysis.

ALAB: 00250

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analysis Begun

Start Time: 10/17/2012 3:46:40 PM

Plasma On Time: 10/17/2012 11:56:53 AM

Logged In Analyst: kedy

Technique: ICP Continuous

Spectrometer Model: Optima 4300 DV, S/N 077N1091901 Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\10-17-12.sif

Batch ID: 10-17-12

Results Data Set: 10-17-12

Results Library: C:\pe\Administrator\Results\Results.mdb
=====

Sequence No.: 87

Autosampler Location: 7

Sample ID: ICP_CCv(7-6-12)

Date Collected: 10/17/2012 3:46:40 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:
=====

Clean Data: ICP_CCv(7-6-12)

	Mean Corrected	Calib		Sample		
Analyte	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	RSD
Ag 328.068	63944.0	0.4925 mg/L	0.00440	0.4925 mg/L	0.00440	0.89%
QC value within limits for Ag	328.068	Recovery =	98.49%			
Al 308.215	34703.1	1.012 mg/L	0.0243	1.012 mg/L	0.0243	2.40%
QC value within limits for Al	308.215	Recovery =	101.20%			
As 188.979	5318.6	0.9605 mg/L	0.01825	0.9605 mg/L	0.01825	1.90%
QC value within limits for As	188.979	Recovery =	96.05%			
Ba 249.677	78840.0	0.8918 mg/L	0.01138	0.8918 mg/L	0.01138	1.28%
QC value less than the lower limit for B	249.677	Recovery =	89.18%			
Ba 233.527	107629.6	1.045 mg/L	0.0068	1.045 mg/L	0.0068	0.65%
QC value within limits for Ba	233.527	Recovery =	104.49%			
Be 313.107	2186146.0	0.9877 mg/L	0.01789	0.9877 mg/L	0.01789	1.81%
QC value within limits for Be	313.107	Recovery =	98.77%			
Bi 223.061	-44.1	-0.0203 mg/L	0.00363	-0.0203 mg/L	0.00363	17.89%
Bi 190.171	1.7	0.0022 mg/L	0.00304	0.0022 mg/L	0.00304	141.10%
Ba 315.887	2431.2	1.075 mg/L	0.0002	1.075 mg/L	0.0002	0.02%
Ba 317.933	2894.5	1.078 mg/L	0.0058	1.078 mg/L	0.0058	0.53%
Cd 214.440	43125.8	0.9729 mg/L	0.00176	0.9729 mg/L	0.00176	0.18%
QC value within limits for Cd	214.440	Recovery =	97.29%			
Co 228.616	25947.5	1.016 mg/L	0.0092	1.016 mg/L	0.0092	0.91%
QC value within limits for Co	228.616	Recovery =	101.62%			
Cr 267.716	39969.6	1.035 mg/L	0.0051	1.035 mg/L	0.0051	0.49%
QC value within limits for Cr	267.716	Recovery =	103.54%			
Cu 324.752	287461.6	0.9650 mg/L	0.02541	0.9650 mg/L	0.02541	2.63%
QC value within limits for Cu	324.752	Recovery =	96.50%			
Fe 238.204	40624.0	1.031 mg/L	0.0100	1.031 mg/L	0.0100	0.97%
QC value within limits for Fe	238.204	Recovery =	103.06%			
Fe 273.955	17064.2	1.025 mg/L	0.0023	1.025 mg/L	0.0023	0.23%
QC value within limits for Fe	273.955	Recovery =	102.49%			
Ga 766.490	28082.1	9.582 mg/L	0.1460	9.582 mg/L	0.1460	1.52%
Ga 279.077	265.1	1.101 mg/L	0.0051	1.101 mg/L	0.0051	0.46%
Mn 257.610	427387.3	0.9948 mg/L	0.01581	0.9948 mg/L	0.01581	1.59%
QC value within limits for Mn	257.610	Recovery =	99.48%			
Mo 202.031	4355.4	0.9765 mg/L	0.01119	0.9765 mg/L	0.01119	1.15%
QC value within limits for Mo	202.031	Recovery =	97.65%			
Ni 589.592	7394.4	1.120 mg/L	0.0481	1.120 mg/L	0.0481	4.29%
Ni 330.237	-19.3	-2.503 mg/L	0.3345	-2.503 mg/L	0.3345	13.36%
Ni 231.604	19220.7	1.026 mg/L	0.0030	1.026 mg/L	0.0030	0.29%
QC value within limits for Ni	231.604	Recovery =	102.56%			
Pb 220.353	19663.5	1.000 mg/L	0.0032	1.000 mg/L	0.0032	0.32%
QC value within limits for Pb	220.353	Recovery =	100.01%			
Pb 206.836	1007.6	0.9174 mg/L	0.00673	0.9174 mg/L	0.00673	0.73%
QC value within limits for Sb	206.836	Recovery =	91.74%			
Se 196.026	7703.5	0.9834 mg/L	0.02644	0.9834 mg/L	0.02644	2.69%
QC value within limits for Se	196.026	Recovery =	98.34%			
Sr 189.927	-10.3	-0.0033 mg/L	0.00134	-0.0033 mg/L	0.00134	40.09%
Sr 407.771	408181.4	0.9489 mg/L	0.01401	0.9489 mg/L	0.01401	1.48%
QC value within limits for Sr	407.771	Recovery =	94.89%			
Sr 421.552	232139.7	0.9656 mg/L	0.00282	0.9656 mg/L	0.00282	0.29%
QC value within limits for Sr	421.552	Recovery =	96.56%			
Ti 334.940	371889.7	1.010 mg/L	0.0219	1.010 mg/L	0.0219	2.17%
QC value within limits for Ti	334.940	Recovery =	101.03%			
Ti 190.801	5608.9	1.014 mg/L	0.0082	1.014 mg/L	0.0082	0.81%

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7	207.912	20.8	0.0084 mg/L	0.00209	0.0084 mg/L	0.00209	24.83%
8	371.029	1725.1				25.46	1.48%
9	206.200	14625.1	0.9937 mg/L	0.00048	0.9937 mg/L	0.00048	0.05%
QC value within limits for Zn 206.200 Recovery = 99.37%							
10	213.617	-1768.2	-1.301 mg/L	0.0209	-1.301 mg/L	0.0209	1.60%
11	251.611	38687.4	0.9863 mg/L	0.01002	0.9863 mg/L	0.01002	1.02%
QC value within limits for Si 251.611 Recovery = 98.63%							
12	670.784	65266.4	0.9949 mg/L	0.01639	0.9949 mg/L	0.01639	1.65%
13	610.362	6837.0	0.9901 mg/L	0.06638	0.9901 mg/L	0.06638	6.70%
14	181.975	10.3	0.0423 mg/L	0.00069	0.0423 mg/L	0.00069	1.62%

QC Failed. Continue with analysis.

ALAB: 00252

Sequence No.: 88
 Sample ID: ICP_CCVGM(7-6-12)
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 6
 Date Collected: 10/17/2012 3:49:14 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Mean Data: ICP_CCVGM(7-6-12)

analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
g 328.068	69.7	0.0005 mg/L	0.00035	0.0005 mg/L	0.00035	64.86%
l 308.215	53.9	0.0016 mg/L	0.00084	0.0016 mg/L	0.00084	53.67%
s 188.979	-32.6	-0.0059 mg/L	0.00675	-0.0059 mg/L	0.00675	114.90%
i 249.677	-3600.0	-0.0407 mg/L	0.00052	-0.0407 mg/L	0.00052	1.26%
a 233.527	93.4	0.0009 mg/L	0.00000	0.0009 mg/L	0.00000	0.27%
e 313.107	690.1	0.0003 mg/L	0.00005	0.0003 mg/L	0.00005	14.92%
i 223.061	16.0	0.0074 mg/L	0.00496	0.0074 mg/L	0.00496	67.28%
i 190.171	17.1	0.0211 mg/L	0.00149	0.0211 mg/L	0.00149	7.03%
a 315.887	224772.5	99.42 mg/L	2.398	99.42 mg/L	2.398	2.41%
QC value within limits for Ca 315.887 Recovery = 99.42%						
a 317.933	266034.9	99.08 mg/L	2.496	99.08 mg/L	2.496	2.52%
QC value within limits for Ca 317.933 Recovery = 99.08%						
d 214.440	-31.7	-0.0007 mg/L	0.00005	-0.0007 mg/L	0.00005	7.37%
o 228.616	27.6	0.0011 mg/L	0.00016	0.0011 mg/L	0.00016	15.06%
r 267.716	103.0	0.0027 mg/L	0.00005	0.0027 mg/L	0.00005	1.97%
u 324.752	1079.4	0.0036 mg/L	0.00031	0.0036 mg/L	0.00031	8.43%
e 238.204	182.2	0.0046 mg/L	0.00006	0.0046 mg/L	0.00006	1.31%
e 273.955	12.7	0.0008 mg/L	0.00074	0.0008 mg/L	0.00074	97.07%
766.490	292640.3	99.85 mg/L	1.461	99.85 mg/L	1.461	1.46%
QC value within limits for K 766.490 Recovery = 99.85%						
g 279.077	24362.0	101.2 mg/L	0.67	101.2 mg/L	0.67	0.66%
QC value within limits for Mg 279.077 Recovery = 101.21%						
n 257.610	1578.6	0.0037 mg/L	0.00002	0.0037 mg/L	0.00002	0.47%
o 202.031	36.1	0.0081 mg/L	0.00011	0.0081 mg/L	0.00011	1.37%
a 589.592	653415.9	98.97 mg/L	1.076	98.97 mg/L	1.076	1.09%
QC value within limits for Na 589.592 Recovery = 98.97%						
a 330.237	782.0	101.6 mg/L	0.84	101.6 mg/L	0.84	0.83%
QC value within limits for Na 330.237 Recovery = 101.64%						
i 231.604	13.6	0.0007 mg/L	0.00016	0.0007 mg/L	0.00016	22.56%
b 220.353	91.9	0.0047 mg/L	0.00130	0.0047 mg/L	0.00130	27.86%
b 206.836	-14.4	-0.0131 mg/L	0.00204	-0.0131 mg/L	0.00204	15.59%
e 196.026	-211.7	-0.0270 mg/L	0.00629	-0.0270 mg/L	0.00629	23.29%
n 189.927	-103.8	-0.0337 mg/L	0.00023	-0.0337 mg/L	0.00023	0.69%
r 407.771	468.8	0.0011 mg/L	0.00006	0.0011 mg/L	0.00006	5.13%
r 421.552	229.0	0.0010 mg/L	0.00012	0.0010 mg/L	0.00012	12.35%
i 334.940	3443.7	0.0094 mg/L	0.00009	0.0094 mg/L	0.00009	0.97%
l 190.801	-76.0	-0.0137 mg/L	0.00172	-0.0137 mg/L	0.00172	12.53%
290.880	-722.8	-0.0047 mg/L	0.00071	-0.0047 mg/L	0.00071	15.21%
207.912	7.8	0.0032 mg/L	0.00201	0.0032 mg/L	0.00201	63.59%
371.029	1450.8				35.63	2.46%
n 206.200	3.5	0.0002 mg/L	0.00064	0.0002 mg/L	0.00064	268.61%
213.617	-12.2	-0.0090 mg/L	0.00948	-0.0090 mg/L	0.00948	105.65%
i 251.611	739.9	0.0189 mg/L	0.00050	0.0189 mg/L	0.00050	2.63%
i 670.784	88.5	0.0013 mg/L	0.00449	0.0013 mg/L	0.00449	333.00%
i 610.362	-1781.3	-0.2580 mg/L	0.06984	-0.2580 mg/L	0.06984	27.07%
181.975	6.0	0.0245 mg/L	0.02265	0.0245 mg/L	0.02265	92.45%

11 analyte(s) passed QC.

ALAB: 00253

Sequence No.: 89
 Sample ID: ICP_CCB(Daily)
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 8
 Date Collected: 10/17/2012 3:51:49 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Mean Data: ICP_CCB(Daily)

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Ag 328.068	2302.5	0.0177 mg/L	0.00013	0.0177 mg/L	0.00013	0.71%
Al 308.215	13.3	0.0004 mg/L	0.00044	0.0004 mg/L	0.00044	114.02%
As 188.979	25.8	0.0047 mg/L	0.00002	0.0047 mg/L	0.00002	0.39%
B 249.677	-4360.9	-0.0493 mg/L	0.00010	-0.0493 mg/L	0.00010	0.21%
Ba 233.527	37.3	0.0004 mg/L	0.00007	0.0004 mg/L	0.00007	19.54%
Be 313.107	448.6	0.0002 mg/L	0.00002	0.0002 mg/L	0.00002	7.70%
Bi 223.061	8.0	0.0037 mg/L	0.00355	0.0037 mg/L	0.00355	95.99%
Bi 190.171	1.3	0.0015 mg/L	0.00309	0.0015 mg/L	0.00309	199.49%
Ca 315.887	141.7	0.0627 mg/L	0.00263	0.0627 mg/L	0.00263	4.20%
Ca 317.933	169.1	0.0630 mg/L	0.00791	0.0630 mg/L	0.00791	12.56%
Cd 214.440	4.5	0.0001 mg/L	0.00006	0.0001 mg/L	0.00006	60.23%
Co 228.616	9.9	0.0004 mg/L	0.00012	0.0004 mg/L	0.00012	30.57%
Cr 267.716	21.0	0.0005 mg/L	0.00019	0.0005 mg/L	0.00019	34.79%
Cu 324.752	154.5	0.0005 mg/L	0.00019	0.0005 mg/L	0.00019	36.86%
Fe 238.204	43.6	0.0011 mg/L	0.00007	0.0011 mg/L	0.00007	5.97%
Fe 273.955	95.4	0.0057 mg/L	0.00072	0.0057 mg/L	0.00072	12.53%
K 766.490	692.8	0.2364 mg/L	0.03518	0.2364 mg/L	0.03518	14.88%
Mg 279.077	18.4	0.0765 mg/L	0.00890	0.0765 mg/L	0.00890	11.63%
Mn 257.610	166.0	0.0004 mg/L	0.00004	0.0004 mg/L	0.00004	9.91%
Mo 202.031	5.7	0.0013 mg/L	0.00006	0.0013 mg/L	0.00006	4.82%
QC value less than the lower limit for Mo 202.031 Recovery = 0.13%						
Na 589.592	1054.0	0.1596 mg/L	0.01119	0.1596 mg/L	0.01119	7.01%
Na 330.237	0.5	0.0593 mg/L	0.33603	0.0593 mg/L	0.33603	566.31%
Ni 231.604	-1.4	-0.0001 mg/L	0.00017	-0.0001 mg/L	0.00017	222.16%
Pb 220.353	65.6	0.0033 mg/L	0.00266	0.0033 mg/L	0.00266	79.86%
Sb 206.836	-3.0	-0.0028 mg/L	0.00500	-0.0028 mg/L	0.00500	180.81%
QC value less than the lower limit for Sb 206.836 Recovery = -0.28%						
Se 196.026	-113.9	-0.0145 mg/L	0.00319	-0.0145 mg/L	0.00319	21.91%
Sn 189.927	0.5	0.0002 mg/L	0.00040	0.0002 mg/L	0.00040	250.27%
Sr 407.771	138.0	0.0003 mg/L	0.00010	0.0003 mg/L	0.00010	29.70%
Sr 421.552	99.8	0.0004 mg/L	0.00015	0.0004 mg/L	0.00015	35.46%
Ti 334.940	-12.3	0.0000 mg/L	0.00015	0.0000 mg/L	0.00015	462.02%
Tl 190.801	13.2	0.0024 mg/L	0.00378	0.0024 mg/L	0.00378	157.80%
V 290.880	70.9	0.0005 mg/L	0.00053	0.0005 mg/L	0.00053	116.48%
W 207.912	-6.7	-0.0027 mg/L	0.00028	-0.0027 mg/L	0.00028	10.51%
Y 371.029	1624.9				80.83	4.97%
Zn 206.200	7.5	0.0005 mg/L	0.00000	0.0005 mg/L	0.00000	0.86%
Zr 213.617	6.2	0.0045 mg/L	0.00220	0.0045 mg/L	0.00220	48.33%
Si 251.611	377.0	0.0096 mg/L	0.00004	0.0096 mg/L	0.00004	0.37%
Li 670.784	106.0	0.0016 mg/L	0.00453	0.0016 mg/L	0.00453	280.33%
Li 610.362	12.6	0.0018 mg/L	0.14910	0.0018 mg/L	0.14910	>999.9%
S 181.975	2.3	0.0093 mg/L	0.01115	0.0093 mg/L	0.01115	120.42%

QC Failed. Continue with analysis.

ALAB: 00254

Sequence No.: 100
 Sample ID: ICP_CCV(7-6-12)
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 7
 Date Collected: 10/17/2012 4:20:55 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Mean Data: ICP_CCV(7-6-12)

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Ag 328.068	67974.1	0.5235 mg/L	0.00980	0.5235 mg/L	0.00980	1.87%
QC value within limits for Ag 328.068 Recovery = 104.70%						
Al 308.215	36456.7	1.063 mg/L	0.0192	1.063 mg/L	0.0192	1.81%
QC value within limits for Al 308.215 Recovery = 106.32%						
As 188.979	5459.5	0.9860 mg/L	0.00106	0.9860 mg/L	0.00106	0.11%
QC value within limits for As 188.979 Recovery = 98.60%						
B 249.677	84777.8	0.9590 mg/L	0.01007	0.9590 mg/L	0.01007	1.05%
QC value within limits for B 249.677 Recovery = 95.90%						
Ba 233.527	114022.1	1.107 mg/L	0.0085	1.107 mg/L	0.0085	0.77%
QC value greater than the upper limit for Ba 233.527 Recovery = 110.69%						
Be 313.107	2279299.3	1.030 mg/L	0.0770	1.030 mg/L	0.0770	7.47%
QC value within limits for Be 313.107 Recovery = 102.98%						
Bi 223.061	2.3	0.0011 mg/L	0.00154	0.0011 mg/L	0.00154	142.57%
Bi 190.171	27.6	0.0340 mg/L	0.00703	0.0340 mg/L	0.00703	20.64%
Ca 315.887	2414.8	1.068 mg/L	0.0159	1.068 mg/L	0.0159	1.49%
Ca 317.933	2861.0	1.065 mg/L	0.0141	1.065 mg/L	0.0141	1.32%
Cd 214.440	46149.8	1.041 mg/L	0.0124	1.041 mg/L	0.0124	1.19%
QC value within limits for Cd 214.440 Recovery = 104.11%						
Co 228.616	27231.2	1.067 mg/L	0.0107	1.067 mg/L	0.0107	1.00%
QC value within limits for Co 228.616 Recovery = 106.65%						
Cr 267.716	42565.7	1.103 mg/L	0.0186	1.103 mg/L	0.0186	1.69%
QC value greater than the upper limit for Cr 267.716 Recovery = 110.27%						
Cu 324.752	309917.1	1.040 mg/L	0.0233	1.040 mg/L	0.0233	2.24%
QC value within limits for Cu 324.752 Recovery = 104.04%						
Fe 238.204	43019.1	1.091 mg/L	0.0156	1.091 mg/L	0.0156	1.43%
QC value within limits for Fe 238.204 Recovery = 109.14%						
Fe 273.955	18024.8	1.083 mg/L	0.0197	1.083 mg/L	0.0197	1.82%
QC value within limits for Fe 273.955 Recovery = 108.26%						
K 766.490	28967.0	9.884 mg/L	0.2544	9.884 mg/L	0.2544	2.57%
Mg 279.077	267.4	1.111 mg/L	0.0016	1.111 mg/L	0.0016	0.15%
Mn 257.610	443911.1	1.033 mg/L	0.0624	1.033 mg/L	0.0624	6.04%
QC value within limits for Mn 257.610 Recovery = 103.32%						
Mo 202.031	4730.8	1.061 mg/L	0.0096	1.061 mg/L	0.0096	0.90%
QC value within limits for Mo 202.031 Recovery = 106.07%						
Na 589.592	7239.3	1.097 mg/L	0.1308	1.097 mg/L	0.1308	11.93%
Na 330.237	-9.0	-1.176 mg/L	0.5889	-1.176 mg/L	0.5889	50.10%
Ni 231.604	20277.4	1.082 mg/L	0.0156	1.082 mg/L	0.0156	1.44%
QC value within limits for Ni 231.604 Recovery = 108.20%						
Pb 220.353	21211.7	1.079 mg/L	0.0497	1.079 mg/L	0.0497	4.60%
QC value within limits for Pb 220.353 Recovery = 107.88%						
Sb 206.836	1006.5	0.9164 mg/L	0.01515	0.9164 mg/L	0.01515	1.65%
QC value within limits for Sb 206.836 Recovery = 91.64%						
Se 196.026	7938.5	1.013 mg/L	0.0036	1.013 mg/L	0.0036	0.35%
QC value within limits for Se 196.026 Recovery = 101.34%						
Sn 189.927	33.2	0.0108 mg/L	0.00095	0.0108 mg/L	0.00095	8.84%
Sr 407.771	420258.3	0.9770 mg/L	0.04208	0.9770 mg/L	0.04208	4.31%
QC value within limits for Sr 407.771 Recovery = 97.70%						
Sr 421.552	237336.8	0.9872 mg/L	0.04013	0.9872 mg/L	0.04013	4.07%
QC value within limits for Sr 421.552 Recovery = 98.72%						
Ti 334.940	386244.1	1.049 mg/L	0.0725	1.049 mg/L	0.0725	6.91%
QC value within limits for Ti 334.940 Recovery = 104.93%						
Tl 190.801	5748.1	1.040 mg/L	0.0138	1.040 mg/L	0.0138	1.33%
QC value within limits for Tl 190.801 Recovery = 103.96%						
V 290.880	164483.8	1.065 mg/L	0.0124	1.065 mg/L	0.0124	1.16%
QC value within limits for V 290.880 Recovery = 106.46%						
V 207.912	96.4	0.0389 mg/L	0.00602	0.0389 mg/L	0.00602	15.48%
V 371.029	1394.9				153.39	11.00%
Zn 206.200	15568.2	1.058 mg/L	0.0027	1.058 mg/L	0.0027	0.26%
QC value within limits for Zn 206.200 Recovery = 105.78%						
Zn 213.617	-1829.7	-1.346 mg/L	0.0746	-1.346 mg/L	0.0746	5.55%
Si 251.611	45092.8	1.150 mg/L	0.0125	1.150 mg/L	0.0125	1.09%
QC value greater than the upper limit for Si 251.611 Recovery = 114.96%						
Si 670.784	68460.8	1.044 mg/L	0.0414	1.044 mg/L	0.0414	4.05%

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LMC-PET-00001066

Sequence No.: 101
 Sample ID: ICP_CCVGM(7-6-12)
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 6
 Date Collected: 10/17/2012 4:23:31 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Mean Data: ICP_CCVGM(7-6-12)

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Conc. Units	Std.Dev.	RSD
Ag 328.068	76.1	0.0006 mg/L	0.00049	0.0006 mg/L	0.00049	84.04%	
Al 308.215	-6.4	-0.0002 mg/L	0.00365	-0.0002 mg/L	0.00365	>999.9%	
As 188.979	-6.0	-0.0011 mg/L	0.00348	-0.0011 mg/L	0.00348	320.45%	
B 249.677	-3842.8	-0.0435 mg/L	0.00111	-0.0435 mg/L	0.00111	2.55%	
Ba 233.527	98.8	0.0010 mg/L	0.00008	0.0010 mg/L	0.00008	8.15%	
Be 313.107	664.7	0.0003 mg/L	0.00004	0.0003 mg/L	0.00004	14.49%	
Bi 223.061	32.9	0.0152 mg/L	0.00396	0.0152 mg/L	0.00396	26.12%	
Bi 190.171	12.6	0.0156 mg/L	0.00775	0.0156 mg/L	0.00775	49.85%	
Ca 315.887	222112.7	98.25 mg/L	8.467	98.25 mg/L	8.467	8.62%	
QC value within limits for Ca 315.887 Recovery = 98.25%							
Ca 317.933	263536.3	98.15 mg/L	8.491	98.15 mg/L	8.491	8.65%	
QC value within limits for Ca 317.933 Recovery = 98.15%							
Cd 214.440	-35.7	-0.0008 mg/L	0.00002	-0.0008 mg/L	0.00002	2.35%	
Co 228.616	19.9	0.0008 mg/L	0.00027	0.0008 mg/L	0.00027	35.13%	
Cr 267.716	94.8	0.0025 mg/L	0.00031	0.0025 mg/L	0.00031	12.74%	
Cu 324.752	1007.1	0.0034 mg/L	0.00021	0.0034 mg/L	0.00021	6.29%	
Fe 238.204	188.5	0.0048 mg/L	0.00002	0.0048 mg/L	0.00002	0.48%	
Fe 273.955	20.4	0.0012 mg/L	0.00066	0.0012 mg/L	0.00066	54.04%	
K 766.490	288006.3	98.27 mg/L	7.714	98.27 mg/L	7.714	7.85%	
QC value within limits for K 766.490 Recovery = 98.27%							
Mg 279.077	25375.9	105.4 mg/L	1.10	105.4 mg/L	1.10	1.04%	
QC value within limits for Mg 279.077 Recovery = 105.43%							
Mn 257.610	1634.6	0.0038 mg/L	0.00010	0.0038 mg/L	0.00010	2.55%	
Mo 202.031	35.1	0.0079 mg/L	0.00018	0.0079 mg/L	0.00018	2.28%	
Na 589.592	648320.8	98.20 mg/L	7.532	98.20 mg/L	7.532	7.67%	
QC value within limits for Na 589.592 Recovery = 98.20%							
Na 330.237	816.9	106.2 mg/L	0.83	106.2 mg/L	0.83	0.79%	
QC value within limits for Na 330.237 Recovery = 106.17%							
Ni 231.604	6.8	0.0004 mg/L	0.00044	0.0004 mg/L	0.00044	122.31%	
Pb 220.353	57.1	0.0029 mg/L	0.00111	0.0029 mg/L	0.00111	38.25%	
Sb 206.836	-16.0	-0.0146 mg/L	0.00471	-0.0146 mg/L	0.00471	32.24%	
Se 196.026	-250.1	-0.0319 mg/L	0.00618	-0.0319 mg/L	0.00618	19.35%	
Sn 189.927	-87.4	-0.0284 mg/L	0.00073	-0.0284 mg/L	0.00073	2.59%	
Sr 407.771	466.7	0.0011 mg/L	0.00005	0.0011 mg/L	0.00005	4.32%	
Sr 421.552	226.0	0.0009 mg/L	0.00010	0.0009 mg/L	0.00010	11.06%	
Ti 334.940	3656.9	0.0099 mg/L	0.00027	0.0099 mg/L	0.00027	2.70%	
Tl 190.801	-73.0	-0.0132 mg/L	0.00076	-0.0132 mg/L	0.00076	5.73%	
T 290.880	-789.1	-0.0051 mg/L	0.00026	-0.0051 mg/L	0.00026	5.08%	
V 207.912	33.4	0.0135 mg/L	0.00139	0.0135 mg/L	0.00139	10.29%	
V 371.029	1457.6				41.92	2.88%	
Zn 206.200	3.8	0.0003 mg/L	0.00035	0.0003 mg/L	0.00035	136.23%	
Zn 213.617	-5.8	-0.0042 mg/L	0.00074	-0.0042 mg/L	0.00074	17.34%	
Zi 251.611	2905.0	0.0741 mg/L	0.00328	0.0741 mg/L	0.00328	4.43%	
Zi 670.784	696.5	0.0106 mg/L	0.00347	0.0106 mg/L	0.00347	32.67%	
Zi 610.362	-1099.6	-0.1592 mg/L	0.07155	-0.1592 mg/L	0.07155	44.93%	
Zi 181.975	9.0	0.0371 mg/L	0.01460	0.0371 mg/L	0.01460	39.31%	

All analyte(s) passed QC.

ALAB: 00256

Sequence No.: 102

Sample ID: ICP_CCB(Daily)

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 8

Date Collected: 10/17/2012 4:26:08 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Mean Data: ICP_CCB(Daily)

Analyte	Mean Corrected Intensity	Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Ag 328.068	2314.8	0.0178 mg/L	0.00016	0.0178 mg/L	0.00016	0.90%
Al 308.215	59.0	0.0017 mg/L	0.00004	0.0017 mg/L	0.00004	2.15%
As 188.979	0.8	0.0001 mg/L	0.01011	0.0001 mg/L	0.01011	>999.9%
Ba 249.677	-4588.4	-0.0519 mg/L	0.00015	-0.0519 mg/L	0.00015	0.29%
Ba 233.527	38.6	0.0004 mg/L	0.00001	0.0004 mg/L	0.00001	1.70%
Be 313.107	386.7	0.0002 mg/L	0.00003	0.0002 mg/L	0.00003	19.94%
Bi 223.061	7.2	0.0033 mg/L	0.00305	0.0033 mg/L	0.00305	91.37%
Bi 190.171	1.8	0.0022 mg/L	0.00265	0.0022 mg/L	0.00265	119.24%
Ca 315.887	153.3	0.0678 mg/L	0.00092	0.0678 mg/L	0.00092	1.35%
Ca 317.933	184.5	0.0687 mg/L	0.00668	0.0687 mg/L	0.00668	9.72%
Cd 214.440	7.4	0.0002 mg/L	0.00013	0.0002 mg/L	0.00013	79.82%
Co 228.616	8.4	0.0003 mg/L	0.00036	0.0003 mg/L	0.00036	109.16%
Cr 267.716	21.1	0.0005 mg/L	0.00027	0.0005 mg/L	0.00027	48.78%
Cu 324.752	119.6	0.0004 mg/L	0.00028	0.0004 mg/L	0.00028	69.33%
Fe 238.204	41.0	0.0010 mg/L	0.00007	0.0010 mg/L	0.00007	6.80%
Fe 273.955	85.9	0.0052 mg/L	0.00030	0.0052 mg/L	0.00030	5.76%
Fe 766.490	484.8	0.1654 mg/L	0.11464	0.1654 mg/L	0.11464	69.30%
Ga 279.077	21.6	0.0897 mg/L	0.00400	0.0897 mg/L	0.00400	4.46%
In 257.610	185.3	0.0004 mg/L	0.00004	0.0004 mg/L	0.00004	8.88%
Mo 202.031	7.8	0.0017 mg/L	0.00007	0.0017 mg/L	0.00007	3.74%
QC value less than the lower limit for Mo 202.031 Recovery = 0.17%						
Na 589.592	1055.9	0.1599 mg/L	0.00530	0.1599 mg/L	0.00530	3.31%
Na 330.237	8.0	1.041 mg/L	0.8420	1.041 mg/L	0.8420	80.86%
Ni 231.604	5.1	0.0003 mg/L	0.00010	0.0003 mg/L	0.00010	35.21%
Nb 220.353	44.4	0.0023 mg/L	0.00002	0.0023 mg/L	0.00002	0.89%
Nb 206.836	-3.5	-0.0031 mg/L	0.00161	-0.0031 mg/L	0.00161	51.25%
QC value less than the lower limit for Sb 206.836 Recovery = -0.31%						
Se 196.026	-109.0	-0.0139 mg/L	0.00794	-0.0139 mg/L	0.00794	57.03%
Sn 189.927	6.4	0.0021 mg/L	0.00135	0.0021 mg/L	0.00135	64.98%
Sr 407.771	189.7	0.0004 mg/L	0.00020	0.0004 mg/L	0.00020	44.39%
Sr 421.552	88.4	0.0004 mg/L	0.00021	0.0004 mg/L	0.00021	57.88%
Ti 334.940	-42.7	-0.0001 mg/L	0.00004	-0.0001 mg/L	0.00004	37.16%
Tl 190.801	1.2	0.0002 mg/L	0.00218	0.0002 mg/L	0.00218	>999.9%
Tl 290.880	150.2	0.0010 mg/L	0.00002	0.0010 mg/L	0.00002	2.25%
Tl 207.912	1.2	0.0005 mg/L	0.00076	0.0005 mg/L	0.00076	159.04%
Tl 371.029	1688.7				93.15	5.52%
V 206.200	8.6	0.0006 mg/L	0.00009	0.0006 mg/L	0.00009	14.74%
V 213.617	4.7	0.0035 mg/L	0.00141	0.0035 mg/L	0.00141	40.52%
W 251.611	922.8	0.0235 mg/L	0.00051	0.0235 mg/L	0.00051	2.16%
W 670.784	-87.0	-0.0013 mg/L	0.00235	-0.0013 mg/L	0.00235	176.84%
W 610.362	11.2	0.0016 mg/L	0.02129	0.0016 mg/L	0.02129	>999.9%
W 181.975	6.6	0.0269 mg/L	0.00336	0.0269 mg/L	0.00336	12.48%

QC Failed. Continue with analysis.

00257

EPA 8260B

Volatile Organic Compounds + Oxygenates

ALAB : 00258

CONFIDENTIAL

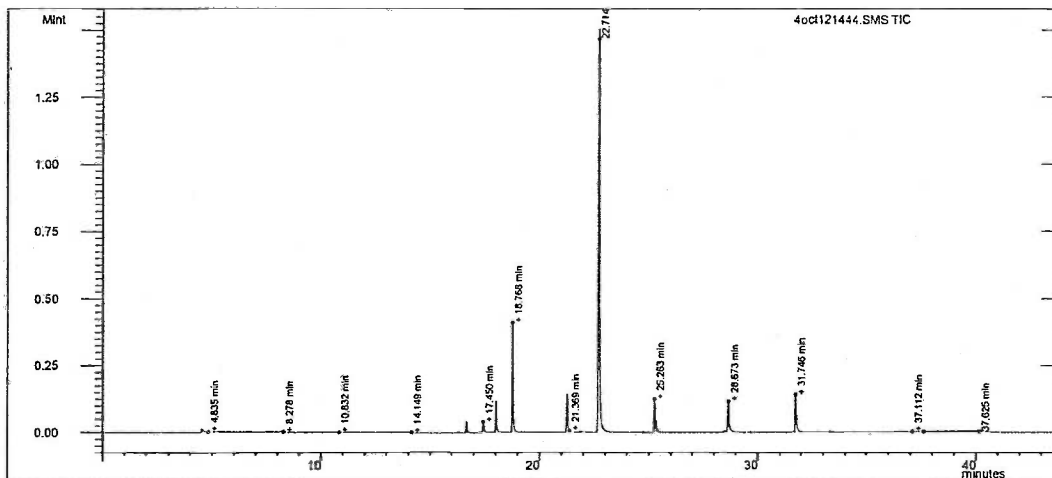
LMC-PET-00001069

524 Volatile Organics

Associated Labs

GCMS # 4

Data File Name: C:\VarianWS\data\4Oct12\4oct121444. Calc Method: C:\VarianWS\methods\ms4_524_10181 SMS
 Sample Name: 312080-001_10mL-2 Acquisition Date: 10/21/2012 5:39:50 AM
 Inj. Notes: pH<2 Operator Name: NZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
18.033	96.0+70.0	Fluorobenzene (IS1)	903	191464	25.000
25.263	117.0	Chlorobenzene-d5(IS2)	986	163255	25.000
31.746	152.0	1,4-Dichlorobenzene-d4(IS3)	916	79110	25.000
4.835	85.0	Dichlorodifluoromethane	303	77	0.023
5.468	50.0+52.0+49.0	Chloromethane	348	60	0.020
5.812	62.0+64.0	Vinyl Chloride	655		N/A
7.014	94.0+45.0	Bromomethane	578		N/A
7.411	45.0+49.0	Chloroethane	644		N/A
8.278	101.0+103.0	Trichlorofluoromethane	863	181	0.025
9.497	59.0	Ethyl ether	615		N/A
10.249	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	906	2321	0.541
11.202	56.0	Acrolein	395		N/A
10.329	96.0+61.0+98.0	1,1-Dichloroethene	929	4280	0.770
10.845	142.0	Iodomethane	756		N/A
10.832	43.0+58.0	Acetone	838	362	1.108
11.515	45.0	Isopropyl alcohol (2-Propanol)	733		N/A
10.957	76.0	Carbon disulfide	636		N/A
13.346	41.0	Acetonitrile	915		N/A
11.623	41.0+39.0	Allyl chloride	817		N/A
12.155	84.0+49.0+86.0	Methylene Chloride	908	393	0.063
12.615	59.0	tert-Butanol	681		N/A
12.843	73.0	Methyl-tert-butyl-ether (MTBE)	824	336	0.094
12.847	61.0+96.0	t-1,2-Dichloroethene	673	50	0.008

2012/10/22
 ALAB: 00259

RT	Quan	Ions	Compound Name	R.Match	Area	Amount
13.070	53.0		Acrylonitrile	355		N/A
13.360	41.0		n-Hexane	520		N/A
14.107	63.0		1,1-Dichloroethane	857	191	0.044
14.298	43.0		Vinyl acetate	459		N/A
14.149	45.0		Isopropyl ether	928	510	0.082
14.201	53.0		Chloroprene	482		N/A
14.968	59.0		Ethyl-tert-butyl-ether	288		N/A
15.440	77.0+41.0		2,2-Dichloropropane	637		N/A
15.607	61.0+96.0		c-1,2-Dichloroethene	928	789	0.124
15.870	43.0+72.0		2-Butanone (MEK)	425	44	0.082
15.948	54.0		Propionitrile	320		N/A
16.308	130.0+49.0		Bromochloromethane	329	471	0.124
17.528	39.0		Methacrylonitrile	513		N/A
16.311	83.0+85.0		Chloroform	994	7466	0.921
16.615	97.0+99.0		1,1,1-Trichloroethane	903	285	0.029
16.677	111.0		Dibromofluoromethane (Surr1)	987	40969	25.975
16.910	117.0+119.0		Carbon Tetrachloride	978	1309	0.162
16.283	42.0+72.0		Tetrahydrofuran	756	220	0.693
16.949	75.0+39.0		1,1-Dichloropropene	537		N/A
17.429	78.0		Benzene	473	187	0.029
17.450	65.0		1,2-Dichloroethane-d4 (Surr2)	990	61770	28.826
17.641	62.0+64.0		1,2-Dichloroethane	528	347	0.082
17.537	73.0+55.0+87.0		tert-Amyl-methyl-ether	546		N/A
18.768	130.0+132.0+95.0		Trichloroethene	996	652634	78.160
19.397	41.0		Methyl methacrylate	669		N/A
19.273	63.0+65.0		1,2-Dichloropropane	666		N/A
19.543	93.0+174.0		Dibromomethane	846		N/A
20.281	88.0		1,4-Dioxane	406		N/A
19.868	83.0+85.0		Bromodichloromethane	970	920	0.152
20.393	63.0+43.0		2-Chloroethyl vinyl ether	721		N/A
20.738	75.0+77.0+39.0		c-1,3-Dichloropropene	613		N/A
21.012	43.0+58.0		4-Methyl-2-pentanone	307		N/A
21.263	98.0		Toluene-d8 (Surr3)	996	219442	25.118
21.369	92.0+91.0		Toluene	205		N/A
22.013	69.0		Ethyl methacrylate	547		N/A
23.027	43.0+58.0+100.0		2-Hexanone	544		N/A
22.043	75.0+77.0		1-1,3-Dichloropropene	227		N/A
22.504	97.0+99.0		1,1,2-Trichloroethane	604		N/A
22.714	164.0+166.0		Tetrachloroethene	996	620658	669.536
22.981	76.0+41.0		1,3-Dichloropropane	286		N/A
17.440	41.0		Isobutyl alcohol	597		N/A
23.543	129.0+127.0		Dibromochloromethane	652		N/A
23.948	107.0+109.0		1,2-Dibromoethane	331		N/A
25.749	91.0		1-Chlorohexane	529		N/A
25.315	112.0+114.0		Chlorobenzene	250		N/A
25.481	106.0+91.0		Ethylbenzene	547		N/A
25.569	131.0+117.0		1,1,1,2-Tetrachloroethane	807	135	0.032
25.823	106.0+91.0		p,m-Xylenes	763		N/A
27.024	106.0+91.0		o-Xylene	713		N/A
27.332	104.0+78.0		Styrene	725	63	0.005
27.764	171.0+173.0+175.0		Bromoform	520		N/A

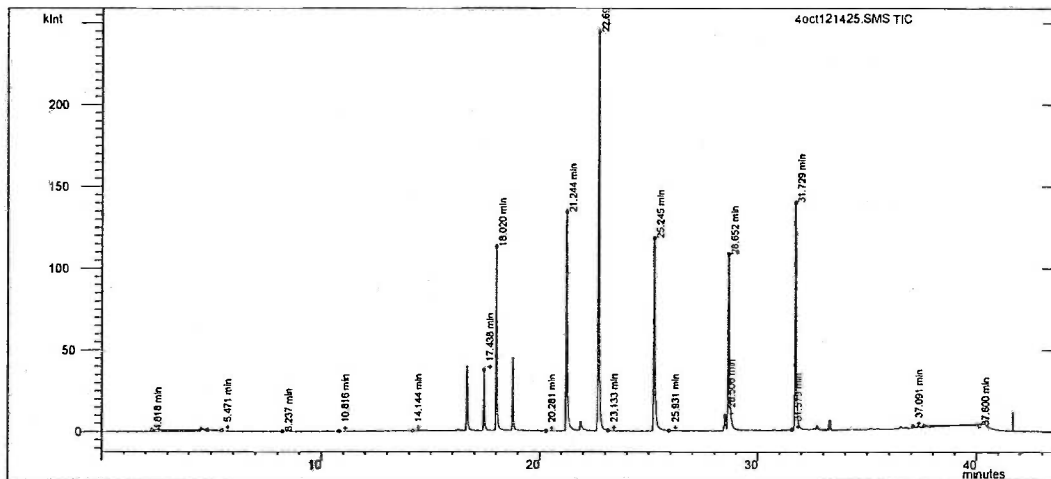
RT	Quan Ions	Compound Name	R.Match	Area	Amount
28.000	105.0+120.0	Isopropylbenzene	802		N/A
28.527	75.0	cis-1,4-Dichloro-2-butene	574	288	0.835
28.673	95.0	p-Bromofluorobenzene (Surr4)	999	111206	28.322
29.090	83.0+85.0	1,1,2,2-Tetrachloroethane	498		N/A
29.044	77.0+158.0	Bromobenzene	673		N/A
29.148	91.0+120.0	n-Propylbenzene	654		N/A
29.229	75.0	trans-1,4-Dichloro-2-butene	809		N/A
29.231	75.0+110.0	1,2,3-Trichloropropane	909		N/A
29.517	91.0+126.0	2-Chlorotoluene	722		N/A
29.719	105.0+120.0	1,3,5-Trimethylbenzene	859	270	0.011
29.521	91.0+126.0	4-Chlorotoluene	792		N/A
30.485	119.0+91.0	tert-Butylbenzene	678		N/A
30.744	105.0+120.0	1,2,4-Trimethylbenzene	905	652	0.029
31.431	117.0	Pentachloroethane	704		N/A
31.150	105.0+134.0	sec-Butylbenzene	869	450	0.019
30.483	119.0	4-Isopropyltoluene	764		N/A
31.519	146.0+148.0	1,3-Dichlorobenzene	872		N/A
31.600	146.0+148.0	1,4-Dichlorobenzene	853	255	0.021
32.112	91.0	Benzyl Chloride	616		N/A
32.474	91.0+134.0	n-Butylbenzene	881		N/A
32.765	146.0+148.0	1,2-Dichlorobenzene	605	75	0.006
34.645	75.0+157.0	1,2-Dibromo-3-chloropropane	555		N/A
37.625	180.0+182.0	1,2,4-Trichlorobenzene	965	1532	0.196
36.683	225.0+226.0	Hexachlorobutadiene	916		N/A
37.112	128.0	Naphthalene	968	1330	0.229
37.562	180.0+182.0	1,2,3-Trichlorobenzene	969		N/A

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524 Volatile Organics

Associated Labs
GCMS # 4

Data File Name: c:\varianws\data\4oct12\4oct121425.S Calc Method: C:\VarianWS\methods\ms4_524_10181
MS
Sample Name: 312080-001_1mL-2 Acquisition Date: 10/20/2012 2:01:48 PM
Inj. Notes: 1:10 pH<2 Operator Name: NZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
18.020	96.0+70.0	Fluorobenzene (IS1)	889	190320	25.000
25.245	117.0	Chlorobenzene-d5(IS2)	994	159623	25.000
31.729	152.0	1,4-Dichlorobenzene-d4(IS3)	935	81647	25.000
4.818	85.0	Dichlorodifluoromethane	721		N/A
5.471	50.0+52.0+49.0	Chloromethane	497	79	0.027
5.812	62.0+64.0	Vinyl Chloride	658		N/A
7.014	94.0+45.0	Bromomethane	536		N/A
7.411	45.0+49.0	Chloroethane	525		N/A
8.237	101.0+103.0	Trichlorofluoromethane	818		N/A
9.497	59.0	Ethyl ether	536		N/A
10.247	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	804	203	0.048
11.202	56.0	Acrolein	533		N/A
10.317	96.0+61.0+98.0	1,1-Dichloroethene	850	422	0.076
10.845	142.0	Iodomethane	775		N/A
10.816	43.0+58.0	Acetone	823	464	1.428
11.515	45.0	Isopropyl alcohol (2-Propanol)	786		N/A
10.957	76.0	Carbon disulfide	747		N/A
13.346	41.0	Acetonitrile	733		N/A
11.623	41.0+39.0	Allyl chloride	667		N/A
12.154	84.0+49.0+86.0	Methylene Chloride	862	560	0.090
12.615	59.0	tert-Butanol	657		N/A
12.750	73.0	Methyl-tert-butyl-ether (MTBE)	623		N/A
12.801	61.0+96.0	1,1,2-Dichloroethene	662		N/A

RT	Quan	Ions	Compound Name	R.Match	Area	Amount
13.070	53.0		Acrylonitrile	355		N/A
13.360	41.0		n-Hexane	575		N/A
14.144	63.0		1,1-Dichloroethane	574	18	0.004
14.298	43.0		Vinyl acetate	515		N/A
14.055	45.0		Isopropyl ether	635		N/A
14.201	53.0		Chloroprene	800		N/A
14.968	59.0		Ethyl-tert-butyl-ether	220		N/A
15.440	77.0+41.0		2,2-Dichloropropane	599		N/A
15.583	61.0+96.0		c-1,2-Dichloroethene	814	109	0.017
15.659	43.0+72.0		2-Butanone (MEK)	764	17	0.032
15.948	54.0		Propionitrile	292		N/A
16.306	130.0+49.0		Bromochloromethane	315	39	0.010
17.528	39.0		Methacrylonitrile	425		N/A
16.306	83.0+85.0		Chloroform	957	719	0.089
16.636	97.0+99.0		1,1,1-Trichloroethane	306	22	0.002
16.664	111.0		Dibromofluoromethane (Surr1)	986	40162	25.617
16.861	117.0+119.0		Carbon Tetrachloride	859		N/A
16.229	42.0+72.0		Tetrahydrofuran	710	549	1.740
16.949	75.0+39.0		1,1-Dichloropropene	530		N/A
17.378	78.0		Benzene	429		N/A
17.438	65.0		1,2-Dichloroethane-d4 (Surr2)	987	57458	26.975
17.581	62.0+64.0		1,2-Dichloroethane	256		N/A
17.537	73.0+55.0+87.0		tert-Amyl-methyl-ether	442		N/A
18.761	130.0+132.0+95.0		Trichloroethene	996	65415	8.012
19.397	41.0		Methyl methacrylate	641		N/A
19.273	63.0+65.0		1,2-Dichloropropane	664		N/A
19.543	93.0+174.0		Dibromomethane	497		N/A
20.281	88.0		1,4-Dioxane	449		N/A
19.837	83.0+85.0		Bromodichloromethane	693	17	0.003
20.393	63.0+43.0		2-Chloroethyl vinyl ether	634		N/A
20.738	75.0+77.0+39.0		c-1,3-Dichloropropene	630		N/A
21.012	43.0+58.0		4-Methyl-2-pentanone	410		N/A
21.244	98.0		Toluene-d8 (Surr3)	996	219754	25.726
21.369	92.0+91.0		Toluene	250		N/A
22.013	69.0		Ethyl methacrylate	452		N/A
23.133	43.0+58.0+100.0		2-Hexanone	416	18	0.015
22.043	75.0+77.0		t-1,3-Dichloropropene	76		N/A
22.504	97.0+99.0		1,1,2-Trichloroethane	511		N/A
22.694	164.0+166.0		Tetrachloroethene	997	58469	64.508
22.981	76.0+41.0		1,3-Dichloropropane	257		N/A
17.440	41.0		Isobutyl alcohol	623		N/A
23.543	129.0+127.0		Dibromochloromethane	465		N/A
23.948	107.0+109.0		1,2-Dibromoethane	566		N/A
25.749	91.0		1-Chlorohexane	605		N/A
25.315	112.0+114.0		Chlorobenzene	238		N/A
25.481	106.0+91.0		Ethylbenzene	666		N/A
25.549	131.0+117.0		1,1,1,2-Tetrachloroethane	404		N/A
25.931	106.0+91.0		p,m-Xylenes	791	628	0.030
27.082	106.0+91.0		o-Xylene	778	400	0.019
27.106	104.0+78.0		Styrene	368		N/A
27.764	171.0+173.0+175.0		Bromoform	560		N/A

645.08

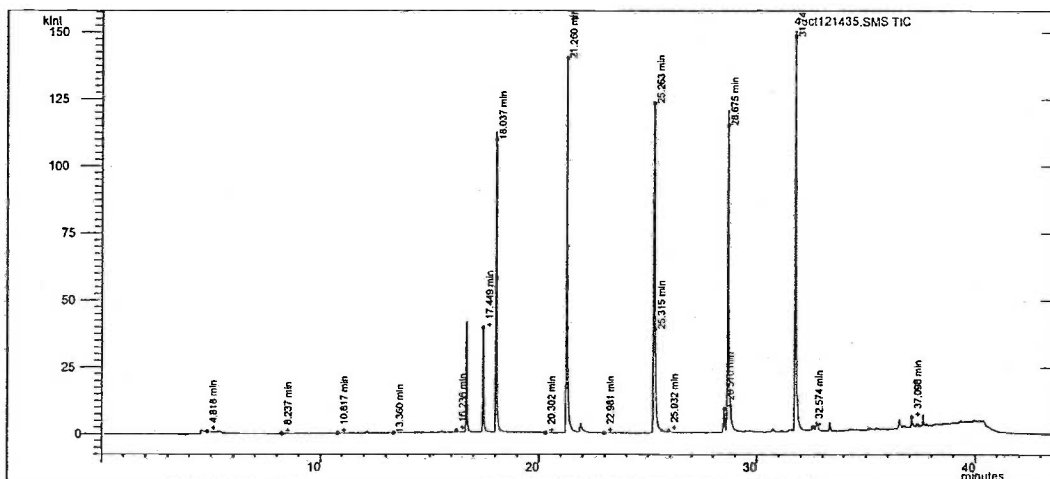
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RT	Quan Ions	Compound Name	R.Match	Area	Amount
28.000	105.0+120.0	Isopropylbenzene	737		N/A
28.506	75.0	cis-1,4-Dichloro-2-butene	672	207	0.583
28.652	95.0	p-Bromofluorobenzene (Surr4)	998	106800	26.355
29.090	83.0+85.0	1,1,2,2-Tetrachloroethane	419		N/A
29.044	77.0+158.0	Bromobenzene	734		N/A
29.148	91.0+120.0	n-Propylbenzene	782		N/A
29.229	75.0	trans-1,4-Dichloro-2-butene	665		N/A
29.231	75.0+110.0	1,2,3-Trichloropropane	682		N/A
29.517	91.0+126.0	2-Chlorotoluene	669		N/A
29.680	105.0+120.0	1,3,5-Trimethylbenzene	841	413	0.017
29.521	91.0+126.0	4-Chlorotoluene	686		N/A
30.485	119.0+91.0	tert-Butylbenzene	695		N/A
30.722	105.0+120.0	1,2,4-Trimethylbenzene	908	714	0.030
31.431	117.0	Pentachloroethane	582		N/A
31.108	105.0+134.0	sec-Butylbenzene	879	468	0.019
30.514	119.0	4-Isopropyltoluene	729	232	0.013
31.576	146.0+148.0	1,3-Dichlorobenzene	922	328	0.026
31.579	146.0+148.0	1,4-Dichlorobenzene	932	456	0.036
32.112	91.0	Benzyl Chloride	594		N/A
32.474	91.0+134.0	n-Butylbenzene	912		N/A
32.758	146.0+148.0	1,2-Dichlorobenzene	676	151	0.013
34.645	75.0+157.0	1,2-Dibromo-3-chloropropane	722		N/A
37.600	180.0+182.0	1,2,4-Trichlorobenzene	950	1702	0.210
36.683	225.0+226.0	Hexachlorobutadiene	914		N/A
37.091	128.0	Naphthalene	984	1629	0.272
37.562	180.0+182.0	1,2,3-Trichlorobenzene	956		N/A

524 Volatile Organics

Associated Labs
GCMS # 4

Data File Name: C:\VarianWS\data\4Oct12\4oct121435. Calc Method: C:\VarianWS\methods\ms4_524_10181
SMS
Sample Name: 312080-002_10mL-1 Acquisition Date: 10/20/2012 10:14:23 PM
Inj. Notes: pH<2 Operator Name: NZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
18.037	96.0+70.0	Fluorobenzene (IS1)	900	189567	25.000
25.263	117.0	Chlorobenzene-d5(IS2)	987	162391	25.000
31.746	152.0	1,4-Dichlorobenzene-d4(IS3)	957	79097	25.000
4.818	85.0	Dichlorodifluoromethane	664		N/A
5.446	50.0+52.0+49.0	Chloromethane	280		N/A
5.812	62.0+64.0	Vinyl Chloride	784		N/A
7.014	94.0+45.0	Bromomethane	615		N/A
7.411	45.0+49.0	Chloroethane	397		N/A
8.237	101.0+103.0	Trichlorofluoromethane	780		N/A
9.497	59.0	Ethyl ether	548		N/A
10.209	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	484		N/A
11.202	56.0	Acrolein	399		N/A
10.346	96.0+61.0+98.0	1,1-Dichloroethene	538	15	0.003
10.845	142.0	Iodomethane	907		N/A
10.817	43.0+58.0	Acetone	832	441	1.362
11.515	45.0	Isopropyl alcohol (2-Propanol)	725		N/A
10.957	76.0	Carbon disulfide	581		N/A
13.346	41.0	Acetonitrile	785		N/A
11.623	41.0+39.0	Allyl chloride	686		N/A
12.160	84.0+49.0+86.0	Methylene Chloride	872	1836	0.296
12.615	59.0	tert-Butanol	621		N/A
12.750	73.0	Methyl-tert-butyl-ether (MTBE)	488		N/A
12.801	61.0+96.0	t-1,2-Dichloroethene	719		N/A

10/22/2012 9:35

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4oct121435.SMS

ALAB : 00265

CONFIDENTIAL

LMC-PET-00001076

RT	Quan Ions	Compound Name	R.Match	Area	Amount
13.070	53.0	Acrylonitrile	403		N/A
13.360	41.0	n-Hexane	622		N/A
14.068	63.0	1,1-Dichloroethane	619		N/A
14.298	43.0	Vinyl acetate	548		N/A
14.055	45.0	Isopropyl ether	654		N/A
14.201	53.0	Chloroprene	495		N/A
14.968	59.0	Ethyl-tert-butyl-ether	357		N/A
15.440	77.0+41.0	2,2-Dichloropropane	720		N/A
15.554	61.0+96.0	c-1,2-Dichloroethene	476		N/A
15.719	43.0+72.0	2-Butanone (MEK)	591		N/A
15.948	54.0	Propionitrile	423		N/A
16.166	130.0+49.0	Bromochloromethane	488	25	0.007
17.528	39.0	Methacrylonitrile	369		N/A
16.314	83.0+85.0	Chloroform	828	117	0.015
16.584	97.0+99.0	1,1,1-Trichloroethane	446		N/A
16.676	111.0	Dibromofluoromethane (Surr1)	993	41119	26.332
16.861	117.0+119.0	Carbon Tetrachloride	592		N/A
16.236	42.0+72.0	Tetrahydrofuran	724	700	2.226
16.949	75.0+39.0	1,1-Dichloropropene	662		N/A
17.378	78.0	Benzene	369		N/A
17.449	65.0	1,2-Dichloroethane-d4 (Surr2)	989	59762	28.168
17.494	62.0+64.0	1,2-Dichloroethane	423	255	0.061
17.537	73.0+55.0+87.0	tert-Amyl-methyl-ether	587		N/A
18.793	130.0+132.0+95.0	Trichloroethene	817	144	0.017
19.397	41.0	Methyl methacrylate	671		N/A
19.273	63.0+65.0	1,2-Dichloropropane	681		N/A
19.543	93.0+174.0	Dibromomethane	410		N/A
20.281	88.0	1,4-Dioxane	448		N/A
19.821	83.0+85.0	Bromodichloromethane	479		N/A
20.302	63.0+43.0	2-Chloroethyl vinyl ether	613	15	0.053
20.738	75.0+77.0+39.0	c-1,3-Dichloropropene	528		N/A
21.012	43.0+58.0	4-Methyl-2-pentanone	580		N/A
21.260	98.0	Toluene-d8 (Surr3)	997	220773	25.405
21.444	92.0+91.0	Toluene	335	887	0.043
22.013	69.0	Ethyl methacrylate	439		N/A
23.027	43.0+58.0+100.0	2-Hexanone	482		N/A
22.043	75.0+77.0	t-1,3-Dichloropropene	276		N/A
22.504	97.0+99.0	1,1,2-Trichloroethane	449		N/A
22.669	164.0+166.0	Tetrachloroethene	841		N/A
22.981	76.0+41.0	1,3-Dichloropropane	691		N/A
17.440	41.0	Isobutyl alcohol	579		N/A
23.543	129.0+127.0	Dibromochloromethane	456		N/A
23.948	107.0+109.0	1,2-Dibromoethane	529		N/A
25.749	91.0	1-Chlorohexane	545		N/A
25.315	112.0+114.0	Chlorobenzene	222		N/A
25.481	106.0+91.0	Ethylbenzene	682		N/A
25.549	131.0+117.0	1,1,1,2-Tetrachloroethane	455		N/A
25.932	106.0+91.0	p,m-Xylenes	933	1608	0.080
27.125	106.0+91.0	o-Xylene	850	344	0.017
27.106	104.0+78.0	Styrene	506		N/A
27.764	171.0+173.0+175.0	Bromoform	614		N/A

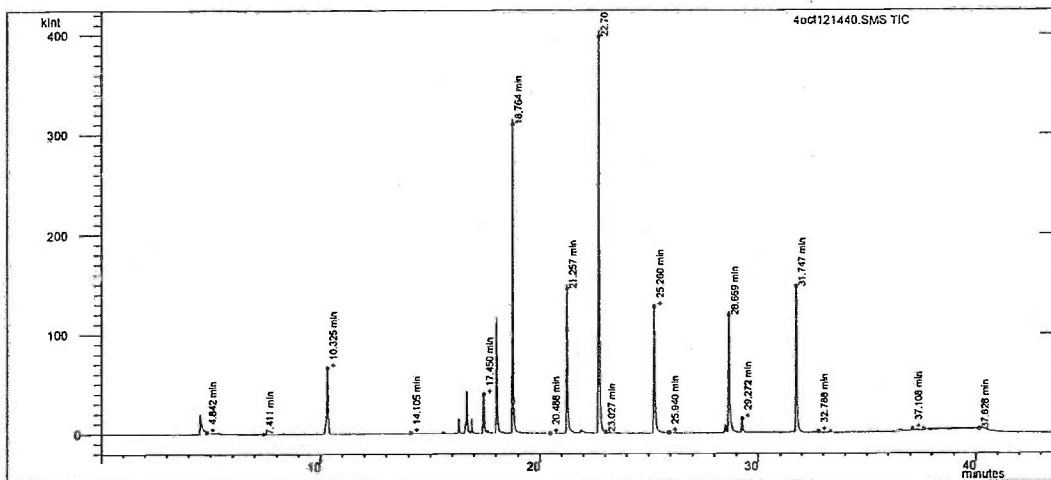
RT	Quan Ions	Compound Name	R.Match	Area	Amount
28.000	105.0+120.0	Isopropylbenzene	815		N/A
28.510	75.0	cis-1,4-Dichloro-2-butene	800	352	1.020
28.675	95.0	p-Bromofluorobenzene (Surr4)	999	114132	29.072
29.090	83.0+85.0	1,1,2,2-Tetrachloroethane	570		N/A
29.044	77.0+158.0	Bromobenzene	802		N/A
29.148	91.0+120.0	n-Propylbenzene	798		N/A
29.229	75.0	trans-1,4-Dichloro-2-butene	586		N/A
29.231	75.0+110.0	1,2,3-Trichloropropane	561		N/A
29.517	91.0+126.0	2-Chlorotoluene	807		N/A
29.705	105.0+120.0	1,3,5-Trimethylbenzene	895	1066	0.045
29.521	91.0+126.0	4-Chlorotoluene	795		N/A
30.485	119.0+91.0	tert-Butylbenzene	866		N/A
30.739	105.0+120.0	1,2,4-Trimethylbenzene	976	1887	0.083
31.431	117.0	Pentachloroethane	517		N/A
31.117	105.0+134.0	sec-Butylbenzene	909	645	0.027
30.534	119.0	4-Isopropyltoluene	837	115	0.007
31.606	146.0+148.0	1,3-Dichlorobenzene	925	537	0.044
31.597	146.0+148.0	1,4-Dichlorobenzene	940	347	0.028
32.112	91.0	Benzyl Chloride	574		N/A
32.574	91.0+134.0	n-Butylbenzene	956	1862	0.102
32.788	146.0+148.0	1,2-Dichlorobenzene	818	983	0.085
34.645	75.0+157.0	1,2-Dibromo-3-chloropropane	684		N/A
37.616	180.0+182.0	1,2,4-Trichlorobenzene	989	4958	0.633
36.683	225.0+226.0	Hexachlorobutadiene	922		N/A
37.098	128.0	Naphthalene	991	4811	0.828
37.618	180.0+182.0	1,2,3-Trichlorobenzene	990	3955	0.520

524 Volatile Organics

Associated Labs

GCMS # 4

Data File Name: C:\VarianWS\data\4Oct12\4oct121440. Calc Method: C:\VarianWS\methods\ms4_524_10181
SMS
Sample Name: 312080-003_10mL-6 Acquisition Date: 10/21/2012 2:19:19 AM
Inj. Notes: pH<2 Operator Name: NZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
18.031	96.0+70.0	Fluorobenzene (IS1)	921	194697	25.000
25.260	117.0	Chlorobenzene-d5(IS2)	986	163904	25.000
31.747	152.0	1,4-Dichlorobenzene-d4(IS3)	933	82791	25.000
4.842	85.0	Dichlorodifluoromethane	503	52	0.015
5.446	50.0+52.0+49.0	Chloromethane	152		N/A
5.812	62.0+64.0	Vinyl Chloride	706		N/A
7.014	94.0+45.0	Bromomethane	544		N/A
7.411	45.0+49.0	Chloroethane	411		N/A
8.279	101.0+103.0	Trichlorofluoromethane	965	2315	0.315
9.497	59.0	Ethyl ether	578		N/A
10.248	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	919	18199	4.170
11.202	56.0	Acrolein	560		N/A
10.325	96.0+61.0+98.0	1,1-Dichloroethene	932	172535	30.518
10.845	142.0	Iodomethane	863		N/A
10.829	43.0+58.0	Acetone	820	364	1.096
11.515	45.0	Isopropyl alcohol (2-Propanol)	773		N/A
10.957	76.0	Carbon disulfide	399		N/A
13.346	41.0	Acetonitrile	825		N/A
11.623	41.0+39.0	Allyl chloride	725		N/A
12.151	84.0+49.0+86.0	Methylene Chloride	891	1218	0.191
12.615	59.0	tert-Butanol	663		N/A
12.833	73.0	Methyl-tert-butyl-ether (MTBE)	950	1177	0.325
12.834	61.0+96.0	1,1,2-Dichloroethene	775	356	0.053

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4oct121440.SMS

ALAB: 00268

CONFIDENTIAL

LMC-PET-00001079

RT	Quan	Ions	Compound Name	R.Match	Area	Amount
13.070	53.0		Acrylonitrile	301		N/A
13.360	41.0		n-Hexane	693		N/A
14.105	63.0		1,1-Dichloroethane	807	1430	0.323
14.298	43.0		Vinyl acetate	425		N/A
14.055	45.0		Isopropyl ether	472		N/A
14.201	53.0		Chloroprene	669		N/A
14.968	59.0		Ethyl-tert-butyl-ether	221		N/A
15.440	77.0+41.0		2,2-Dichloropropane	370		N/A
15.599	61.0+96.0		c-1,2-Dichloroethene	937	2942	0.455
15.719	43.0+72.0		2-Butanone (MEK)	665		N/A
15.948	54.0		Propionitrile	331		N/A
16.308	130.0+49.0		Bromochloromethane	416	2108	0.548
17.528	39.0		Methacrylonitrile	490		N/A
16.305	83.0+85.0		Chloroform	992	28785	3.492
16.610	97.0+99.0		1,1,1-Trichloroethane	997	17811	1.761
16.676	111.0		Dibromofluoromethane (Surr1)	989	41768	26.042
16.901	117.0+119.0		Carbon Tetrachloride	986	24498	2.980
16.306	42.0+72.0		Tetrahydrofuran	751	325	1.007
16.949	75.0+39.0		1,1-Dichloropropene	581		N/A
17.419	78.0		Benzene	403	117	0.018
17.450	65.0		1,2-Dichloroethane-d4 (Surr2)	987	62647	28.750
17.631	62.0+64.0		1,2-Dichloroethane	628	4574	1.070
17.537	73.0+55.0+87.0		tert-Amyl-methyl-ether	415		N/A
18.764	130.0+132.0+95.0		Trichloroethene	996	461439	55.043
19.397	41.0		Methyl methacrylate	758		N/A
19.273	63.0+65.0		1,2-Dichloropropane	927		N/A
19.543	93.0+174.0		Dibromomethane	510		N/A
20.281	88.0		1,4-Dioxane	413		N/A
19.860	83.0+85.0		Bromodichloromethane	971	1084	0.179
20.488	63.0+43.0		2-Chloroethyl vinyl ether	489	26	0.095
20.738	75.0+77.0+39.0		c-1,3-Dichloropropene	449		N/A
21.012	43.0+58.0		4-Methyl-2-pentanone	311		N/A
21.257	98.0		Toluene-d8 (Surr3)	997	228517	26.054
21.435	92.0+91.0		Toluene	352	799	0.039
22.013	69.0		Ethyl methacrylate	555		N/A
23.027	43.0+58.0+100.0		2-Hexanone	486		N/A
22.043	75.0+77.0		t-1,3-Dichloropropene	186		N/A
22.504	97.0+99.0		1,1,2-Trichloroethane	578		N/A
22.707	164.0+166.0		Tetrachloroethene	997	100107	107.563
22.981	76.0+41.0		1,3-Dichloropropane	280		N/A
17.440	41.0		Isobutyl alcohol	589		N/A
23.543	129.0+127.0		Dibromochloromethane	599		N/A
23.948	107.0+109.0		1,2-Dibromoethane	412		N/A
25.749	91.0		1-Chlorohexane	600		N/A
25.315	112.0+114.0		Chlorobenzene	252		N/A
25.481	106.0+91.0		Ethylbenzene	767		N/A
25.549	131.0+117.0		1,1,1,2-Tetrachloroethane	458		N/A
25.940	106.0+91.0		p,m-Xylenes	891	431	0.021
27.024	106.0+91.0		o-Xylene	803		N/A
27.106	104.0+78.0		Styrene	388		N/A
27.764	171.0+173.0+175.0		Bromoform	516		N/A

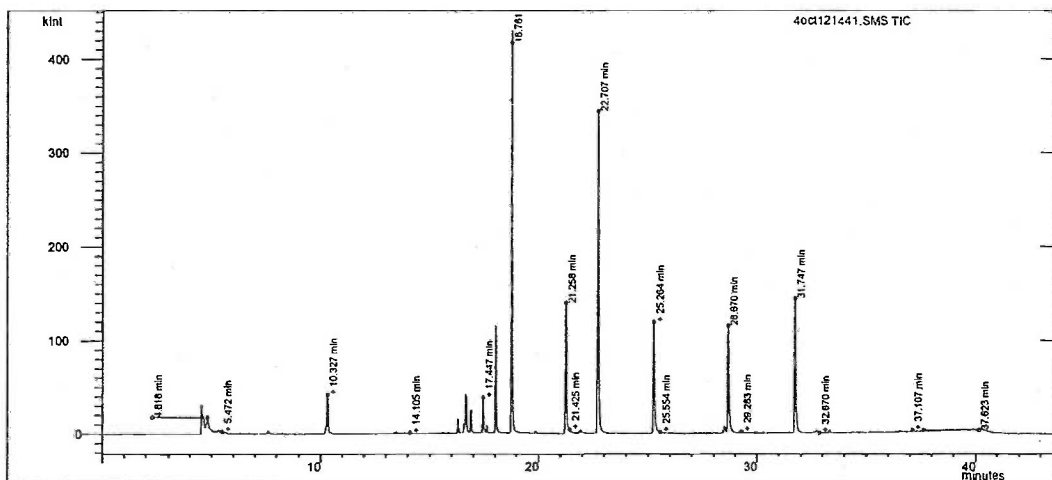
RT	Quan Ions	Compound Name	R.Match	Area	Amount
28.088	105.0+120.0	Isopropylbenzene	834	57	0.002
28.418	75.0	cis-1,4-Dichloro-2-butene	676		N/A
28.669	95.0	p-Bromofluorobenzene (Surr4)	998	112735	27.435
29.090	83.0+85.0	1,1,2,2-Tetrachloroethane	412		N/A
29.044	77.0+158.0	Bromobenzene	796		N/A
29.148	91.0+120.0	n-Propylbenzene	736		N/A
29.273	75.0	trans-1,4-Dichloro-2-butene	856	10361	6.219
29.272	75.0+110.0	1,2,3-Trichloropropane	921	15325	6.926
29.517	91.0+126.0	2-Chlorotoluene	758		N/A
29.746	105.0+120.0	1,3,5-Trimethylbenzene	789	332	0.013
29.521	91.0+126.0	4-Chlorotoluene	750		N/A
30.485	119.0+91.0	tert-Butylbenzene	801		N/A
30.745	105.0+120.0	1,2,4-Trimethylbenzene	949	674	0.028
31.431	117.0	Pentachloroethane	478		N/A
31.141	105.0+134.0	sec-Butylbenzene	829	506	0.020
30.483	119.0	4-Isopropyltoluene	799		N/A
31.598	146.0+148.0	1,3-Dichlorobenzene	804	308	0.024
31.600	146.0+148.0	1,4-Dichlorobenzene	897	261	0.020
32.112	91.0	Benzyl Chloride	455		N/A
32.565	91.0+134.0	n-Butylbenzene	883	829	0.043
32.788	146.0+148.0	1,2-Dichlorobenzene	813	528	0.044
34.645	75.0+157.0	1,2-Dibromo-3-chloropropane	655		N/A
37.628	180.0+182.0	1,2,4-Trichlorobenzene	964	1804	0.220
36.683	225.0+226.0	Hexachlorobutadiene	876		N/A
37.108	128.0	Naphthalene	988	2048	0.337
37.562	180.0+182.0	1,2,3-Trichlorobenzene	969		N/A

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Associated Labs

GCMS # 4

Data File Name: C:\VarianWS\data\4Oct12\4oct121441. Calc Method: C:\VarianWS\methods\ms4_524_10181 SMS
 Sample Name: 312080-004_10mL-9 Acquisition Date: 10/21/2012 3:09:26 AM
 Inj. Notes: pH<2 Operator Name: NZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
18.034	96.0+70.0	Fluorobenzene (IS1)	895	190656	25.000
25.264	117.0	Chlorobenzene-d5(IS2)	987	158377	25.000
31.747	152.0	1,4-Dichlorobenzene-d4(IS3)	942	80737	25.000
4.818	85.0	Dichlorodifluoromethane	27		N/A
5.472	50.0+52.0+49.0	Chloromethane	470	492	0.170
5.812	62.0+64.0	Vinyl Chloride	735		N/A
7.014	94.0+45.0	Bromomethane	555		N/A
7.411	45.0+49.0	Chloroethane	534		N/A
8.280	101.0+103.0	Trichlorofluoromethane	962	2041	0.283
9.497	59.0	Ethyl ether	650		N/A
10.249	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	911	10605	2.482
11.202	56.0	Acrolein	532		N/A
10.327	96.0+61.0+98.0	1,1-Dichloroethene	935	108078	19.522
10.845	142.0	Iodomethane	907		N/A
10.835	43.0+58.0	Acetone	825	583	1.790
11.515	45.0	Isopropyl alcohol (2-Propanol)	773		N/A
10.957	76.0	Carbon disulfide	478		N/A
13.346	41.0	Acetonitrile	507		N/A
11.623	41.0+39.0	Allyl chloride	704		N/A
12.168	84.0+49.0+86.0	Methylene Chloride	865	460	0.074
12.665	59.0	tert-Butanol	834	182	1.346
12.750	73.0	Methyl-tert-butyl-ether (MTBE)	802		N/A
12.837	61.0+96.0	t-1,2-Dichloroethene	730	130	0.020

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4oct121441.SMS

ALAB: 00271

CONFIDENTIAL

LMC-PET-00001082

RT	Quan Ions	Compound Name	R.Match	Area	Amount
13.070	53.0	Acrylonitrile	233		N/A
13.360	41.0	n-Hexane	473		N/A
14.105	63.0	1,1-Dichloroethane	682	1775	0.409
14.298	43.0	Vinyl acetate	507		N/A
14.055	45.0	Isopropyl ether	584		N/A
14.201	53.0	Chloroprene	395		N/A
14.968	59.0	Ethyl-tert-butyl-ether	288		N/A
15.440	77.0+41.0	2,2-Dichloropropane	700		N/A
15.592	61.0+96.0	c-1,2-Dichloroethene	905	559	0.088
15.719	43.0+72.0	2-Butanone (MEK)	663		N/A
15.948	54.0	Propionitrile	301		N/A
16.123	130.0+49.0	Bromochloromethane	274		N/A
17.528	39.0	Methacrylonitrile	287		N/A
16.305	83.0+85.0	Chloroform	991	30421	3.768
16.605	97.0+99.0	1,1,1-Trichloroethane	994	18817	1.900
16.675	111.0	Dibromofluoromethane (Surr1)	990	40148	25.563
16.901	117.0+119.0	Carbon Tetrachloride	990	44194	5.489
16.245	42.0+72.0	Tetrahydrofuran	611	44	0.139
16.949	75.0+39.0	1,1-Dichloropropene	549		N/A
17.423	78.0	Benzene	890	1981	0.306
17.447	65.0	1,2-Dichloroethane-d4 (Surr2)	988	59146	27.719
17.621	62.0+64.0	1,2-Dichloroethane	610	15058	3.598
17.537	73.0+55.0+87.0	tert-Amyl-methyl-ether	428		N/A
18.761	130.0+132.0+95.0	Trichloroethene	997	632486	78.080
19.397	41.0	Methyl methacrylate	738		N/A
19.273	63.0+65.0	1,2-Dichloropropane	795		N/A
19.543	93.0+174.0	Dibromomethane	400		N/A
20.281	88.0	1,4-Dioxane	359		N/A
19.858	83.0+85.0	Bromodichloromethane	995	4445	0.760
20.393	63.0+43.0	2-Chloroethyl vinyl ether	763		N/A
20.738	75.0+77.0+39.0	c-1,3-Dichloropropene	399		N/A
21.012	43.0+58.0	4-Methyl-2-pentanone	501		N/A
21.258	98.0	Toluene-d8 (Surr3)	998	218455	25.776
21.425	92.0+91.0	Toluene	659	2994	0.150
22.013	69.0	Ethyl methacrylate	586		N/A
23.027	43.0+58.0+100.0	2-Hexanone	457		N/A
22.043	75.0+77.0	t-1,3-Dichloropropene	272		N/A
22.565	97.0+99.0	1,1,2-Trichloroethane	870	237	0.078
22.707	164.0+166.0	Tetrachloroethene	997	82634	91.887
22.981	76.0+41.0	1,3-Dichloropropane	289		N/A
17.440	41.0	Isobutyl alcohol	668		N/A
23.543	129.0+127.0	Dibromochloromethane	921		N/A
23.948	107.0+109.0	1,2-Dibromoethane	345		N/A
25.749	91.0	1-Chlorohexane	585		N/A
25.315	112.0+114.0	Chlorobenzene	240		N/A
25.554	106.0+91.0	Ethylbenzene	827	563	0.026
25.549	131.0+117.0	1,1,1,2-Tetrachloroethane	263		N/A
25.934	106.0+91.0	p,m-Xylenes	914	480	0.023
27.116	106.0+91.0	o-Xylene	912	374	0.018
27.106	104.0+78.0	Styrene	595		N/A
27.764	171.0+173.0+175.0	Bromoform	463		N/A

ALAB: 00272

RT	Quan Ions	Compound Name	R.Match	Area	Amount
28.000	105.0+120.0	Isopropylbenzene	844		N/A
28.515	75.0	cis-1,4-Dichloro-2-butene	415	207	0.588
28.670	95.0	p-Bromofluorobenzene (Surr4)	999	109806	27.401
29.090	83.0+85.0	1,1,2,2-Tetrachloroethane	422		N/A
29.044	77.0+158.0	Bromobenzene	804		N/A
29.148	91.0+120.0	n-Propylbenzene	800		N/A
29.283	75.0	trans-1,4-Dichloro-2-butene	869	1198	0.737
29.283	75.0+110.0	1,2,3-Trichloropropane	927	1868	0.866
29.517	91.0+126.0	2-Chlorotoluene	772		N/A
29.713	105.0+120.0	1,3,5-Trimethylbenzene	886	346	0.014
29.521	91.0+126.0	4-Chlorotoluene	704		N/A
30.485	119.0+91.0	tert-Butylbenzene	795		N/A
30.745	105.0+120.0	1,2,4-Trimethylbenzene	962	801	0.035
31.431	117.0	Pentachloroethane	654		N/A
31.067	105.0+134.0	sec-Butylbenzene	868		N/A
30.483	119.0	4-Isopropyltoluene	782		N/A
31.519	146.0+148.0	1,3-Dichlorobenzene	925		N/A
31.599	146.0+148.0	1,4-Dichlorobenzene	961	374	0.030
32.112	91.0	Benzyl Chloride	582		N/A
32.474	91.0+134.0	n-Butylbenzene	893		N/A
32.870	146.0+148.0	1,2-Dichlorobenzene	868	92	0.008
34.645	75.0+157.0	1,2-Dibromo-3-chloropropane	608		N/A
37.623	180.0+182.0	1,2,4-Trichlorobenzene	986	1398	0.175
36.683	225.0+226.0	Hexachlorobutadiene	913		N/A
37.107	128.0	Naphthalene	993	1689	0.285
37.562	180.0+182.0	1,2,3-Trichlorobenzene	986		N/A

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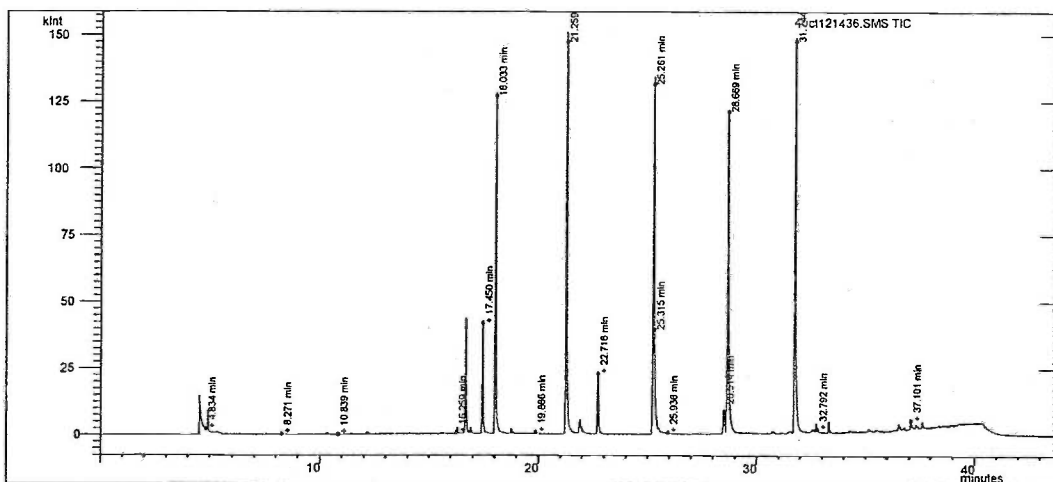
Associated Labs

GCMS # 4

Data File Name: C:\VarianWS\data\4Oct12\4oct121436. Calc Method: C:\VarianWS\methods\ms4_524_10181
SMS 2_35C.mth

Sample Name: 312080-005_10mL-7 Acquisition Date: 10/20/2012 11:03:58 PM

Inj. Notes: pH<2 Operator Name: NZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
18.033	96.0+70.0	Fluorobenzene (IS1)	912	205735	25.000
25.261	117.0	Chlorobenzene-d5(IS2)	987	174471	25.000
31.744	152.0	1,4-Dichlorobenzene-d4(IS3)	945	86256	25.000
4.834	85.0	Dichlorodifluoromethane	710	923	0.261
5.446	50.0+52.0+49.0	Chloromethane	246		N/A
5.812	62.0+64.0	Vinyl Chloride	605		N/A
7.014	94.0+45.0	Bromomethane	538		N/A
7.411	45.0+49.0	Chloroethane	422		N/A
8.271	101.0+103.0	Trichlorofluoromethane	883	280	0.036
9.497	59.0	Ethyl ether	687		N/A
10.253	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	800	216	0.047
11.202	56.0	Acrolein	458		N/A
10.331	96.0+61.0+98.0	1,1-Dichloroethene	859	1769	0.296
10.845	142.0	Iodomethane	907		N/A
10.839	43.0+58.0	Acetone	892	471	1.341
11.515	45.0	Isopropyl alcohol (2-Propanol)	794		N/A
10.957	76.0	Carbon disulfide	661		N/A
13.346	41.0	Acetonitrile	862		N/A
11.623	41.0+39.0	Allyl chloride	798		N/A
12.157	84.0+49.0+86.0	Methylene Chloride	897	2379	0.353
12.615	59.0	tert-Butanol	503		N/A
12.850	73.0	Methyl-tert-butyl-ether (MTBE)	894	230	0.060
12.801	61.0+96.0	1,1,2-Dichloroethene	747		N/A

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4oct121436.SMS

ALAB: 00274

CONFIDENTIAL

LMC-PET-00001085

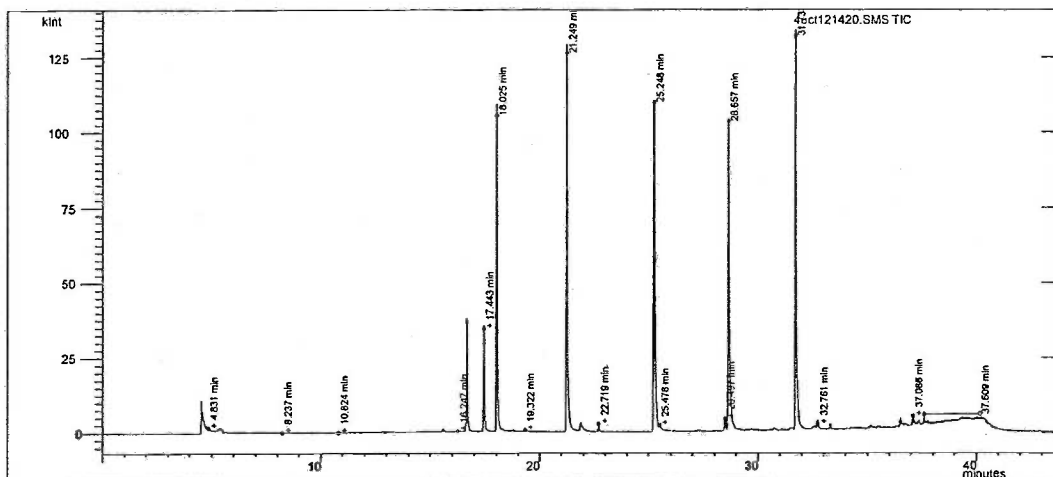
RT	Quan Ions	Compound Name	R.Match	Area	Amount
13.070	53.0	Acrylonitrile	400		N/A
13.360	41.0	n-Hexane	604		N/A
14.109	63.0	1,1-Dichloroethane	820	808	0.173
14.298	43.0	Vinyl acetate	461		N/A
14.055	45.0	Isopropyl ether	521		N/A
14.201	53.0	Chloroprene	422		N/A
14.968	59.0	Ethyl-tert-butyl-ether	419		N/A
15.440	77.0+41.0	2,2-Dichloropropane	683		N/A
15.606	61.0+96.0	c-1,2-Dichloroethene	940	926	0.136
15.719	43.0+72.0	2-Butanone (MEK)	679		N/A
15.948	54.0	Propionitrile	278		N/A
16.123	130.0+49.0	Bromochloromethane	254		N/A
17.528	39.0	Methacrylonitrile	298		N/A
16.311	83.0+85.0	Chloroform	993	4812	0.552
16.609	97.0+99.0	1,1,1-Trichloroethane	787	186	0.017
16.676	111.0	Dibromofluoromethane (Surr1)	988	43927	25.919
16.901	117.0+119.0	Carbon Tetrachloride	983	4036	0.465
16.259	42.0+72.0	Tetrahydrofuran	715	210	0.616
16.949	75.0+39.0	1,1-Dichloropropene	763		N/A
17.427	78.0	Benzene	354	174	0.025
17.450	65.0	1,2-Dichloroethane-d4 (Surr2)	983	64807	28.146
17.638	62.0+64.0	1,2-Dichloroethane	526	147	0.033
17.537	73.0+55.0+87.0	tert-Amyl-methyl-ether	526		N/A
18.789	130.0+132.0+95.0	Trichloroethene	988	2908	0.326
19.397	41.0	Methyl methacrylate	625		N/A
19.273	63.0+65.0	1,2-Dichloropropane	806		N/A
19.543	93.0+174.0	Dibromomethane	654		N/A
20.281	88.0	1,4-Dioxane	481		N/A
19.866	83.0+85.0	Bromodichloromethane	977	1074	0.167
20.393	63.0+43.0	2-Chloroethyl vinyl ether	460		N/A
20.738	75.0+77.0+39.0	c-1,3-Dichloropropene	559		N/A
21.012	43.0+58.0	4-Methyl-2-pentanone	620		N/A
21.259	98.0	Toluene-d8 (Surr3)	997	234776	25.146
21.432	92.0+91.0	Toluene	436	752	0.034
22.013	69.0	Ethyl methacrylate	283		N/A
23.027	43.0+58.0+100.0	2-Hexanone	525		N/A
22.043	75.0+77.0	t-1,3-Dichloropropene	108		N/A
22.504	97.0+99.0	1,1,2-Trichloroethane	534		N/A
22.718	164.0+166.0	Tetrachloroethene	996	4885	4.931
22.981	76.0+41.0	1,3-Dichloropropane	495		N/A
17.440	41.0	Isobutyl alcohol	12		N/A
23.543	129.0+127.0	Dibromochloromethane	812		N/A
23.948	107.0+109.0	1,2-Dibromoethane	669		N/A
25.749	91.0	1-Chlorohexane	543		N/A
25.315	112.0+114.0	Chlorobenzene	262		N/A
25.481	106.0+91.0	Ethylbenzene	743		N/A
25.549	131.0+117.0	1,1,1,2-Tetrachloroethane	386		N/A
25.936	106.0+91.0	p,m-Xylenes	908	1090	0.050
27.024	106.0+91.0	o-Xylene	824		N/A
27.325	104.0+78.0	Styrene	803	131	0.010
27.764	171.0+173.0+175.0	Bromoform	472		N/A

RT	Quan Ions	Compound Name	R.Match	Area	Amount
28.000	105.0+120.0	Isopropylbenzene	813		N/A
28.514	75.0	cis-1,4-Dichloro-2-butene	715	275	0.731
28.669	95.0	p-Bromofluorobenzene (Surr4)	998	115918	27.076
29.159	83.0+85.0	1,1,2,2-Tetrachloroethane	581	29	0.009
29.081	77.0+158.0	Bromobenzene	849	142	0.014
29.148	91.0+120.0	n-Propylbenzene	867		N/A
29.229	75.0	trans-1,4-Dichloro-2-butene	661		N/A
29.231	75.0+110.0	1,2,3-Trichloropropane	724		N/A
29.517	91.0+126.0	2-Chlorotoluene	704		N/A
29.731	105.0+120.0	1,3,5-Trimethylbenzene	896	1658	0.064
29.521	91.0+126.0	4-Chlorotoluene	677		N/A
30.485	119.0+91.0	tert-Butylbenzene	742		N/A
30.736	105.0+120.0	1,2,4-Trimethylbenzene	977	945	0.038
31.431	117.0	Pentachloroethane	520		N/A
31.124	105.0+134.0	sec-Butylbenzene	919	581	0.023
30.483	119.0	4-Isopropyltoluene	762		N/A
31.599	146.0+148.0	1,3-Dichlorobenzene	889	452	0.034
31.602	146.0+148.0	1,4-Dichlorobenzene	930	372	0.028
32.112	91.0	Benzyl Chloride	636		N/A
32.573	91.0+134.0	n-Butylbenzene	940	1175	0.059
32.792	146.0+148.0	1,2-Dichlorobenzene	880	750	0.060
34.645	75.0+157.0	1,2-Dibromo-3-chloropropane	844		N/A
37.619	180.0+182.0	1,2,4-Trichlorobenzene	979	3400	0.398
36.683	225.0+226.0	Hexachlorobutadiene	920		N/A
37.101	128.0	Naphthalene	991	3062	0.483
37.619	180.0+182.0	1,2,3-Trichlorobenzene	987	2827	0.341

524 Volatile Organics

Associated Labs
GCMS # 4

Data File Name: c:\varianws\data\4oct12\4oct121420.S MS Calc Method: C:\VarianWS\methods\ms4_524_10181_2_35C.mth
Sample Name: 312080-006_10mL-7 Acquisition Date: 10/20/2012 9:56:33 AM
Inj. Notes: pH<2 Operator Name: NZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
18.025	96.0+70.0	Fluorobenzene (IS1)	906	175967	25.000
25.248	117.0	Chlorobenzene-d5(IS2)	987	147315	25.000
31.733	152.0	1,4-Dichlorobenzene-d4(IS3)	988	75673	25.000
4.831	85.0	Dichlorodifluoromethane	644	397	0.131
5.468	50.0+52.0+49.0	Chloromethane	605	95	0.036
5.683	62.0+64.0	Vinyl Chloride	692	20	0.007
7.014	94.0+45.0	Bromomethane	583		N/A
7.411	45.0+49.0	Chloroethane	580		N/A
8.237	101.0+103.0	Trichlorofluoromethane	756		N/A
9.497	59.0	Ethyl ether	700		N/A
10.247	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	636	95	0.024
11.202	56.0	Acrolein	445		N/A
10.319	96.0+61.0+98.0	1,1-Dichloroethene	670	231	0.045
10.845	142.0	Iodomethane	863		N/A
10.824	43.0+58.0	Acetone	770	152	0.505
11.515	45.0	Isopropyl alcohol (2-Propanol)	783		N/A
10.957	76.0	Carbon disulfide	530		N/A
13.346	41.0	Acetonitrile	725		N/A
11.623	41.0+39.0	Allyl chloride	673		N/A
12.144	84.0+49.0+86.0	Methylene Chloride	867	276	0.048
12.615	59.0	tert-Butanol	574		N/A
12.826	73.0	Methyl-tert-butyl-ether (MTBE)	832	429	0.131
12.823	61.0+96.0	t-1,2-Dichloroethene	631	20	0.003

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4oct121420.SMS

ALAB: 00277

CONFIDENTIAL

LMC-PET-00001088

RT	Quan Ions	Compound Name	R.Match	Area	Amount
13.070	53.0	Acrylonitrile	580		N/A
13.360	41.0	n-Hexane	704		N/A
14.097	63.0	1,1-Dichloroethane	729	636	0.159
14.298	43.0	Vinyl acetate	445		N/A
14.055	45.0	Isopropyl ether	547		N/A
14.201	53.0	Chloroprene	270		N/A
14.968	59.0	Ethyl-tert-butyl-ether	510		N/A
15.440	77.0+41.0	2,2-Dichloropropane	613		N/A
15.594	61.0+96.0	c-1,2-Dichloroethene	964	1470	0.252
15.719	43.0+72.0	2-Butanone (MEK)	663		N/A
15.948	54.0	Propionitrile	265		N/A
16.123	130.0+49.0	Bromochloromethane	524		N/A
17.528	39.0	Methacrylonitrile	511		N/A
16.306	83.0+85.0	Chloroform	906	393	0.053
16.584	97.0+99.0	1,1,1-Trichloroethane	651		N/A
16.669	111.0	Dibromofluoromethane (Surr1)	987	37477	25.854
16.861	117.0+119.0	Carbon Tetrachloride	810		N/A
16.247	42.0+72.0	Tetrahydrofuran	691	163	0.559
16.949	75.0+39.0	1,1-Dichloropropene	474		N/A
17.378	78.0	Benzene	520		N/A
17.443	65.0	1,2-Dichloroethane-d4 (Surr2)	987	55874	28.371
17.615	62.0+64.0	1,2-Dichloroethane	529	131	0.034
17.537	73.0+55.0+87.0	tert-Amyl-methyl-ether	446		N/A
18.788	130.0+132.0+95.0	Trichloroethene	933	559	0.074
19.397	41.0	Methyl methacrylate	755		N/A
19.322	63.0+65.0	1,2-Dichloropropane	928	289	0.148
19.543	93.0+174.0	Dibromomethane	344		N/A
20.281	88.0	1,4-Dioxane	348		N/A
19.821	83.0+85.0	Bromodichloromethane	607		N/A
20.393	63.0+43.0	2-Chloroethyl vinyl ether	453		N/A
20.738	75.0+77.0+39.0	c-1,3-Dichloropropene	454		N/A
20.888	43.0+58.0	4-Methyl-2-pentanone	605	20	0.013
21.249	98.0	Toluene-d8 (Surr3)	997	206305	26.170
21.369	92.0+91.0	Toluene	249		N/A
22.013	69.0	Ethyl methacrylate	505		N/A
23.027	43.0+58.0+100.0	2-Hexanone	496		N/A
22.043	75.0+77.0	t-1,3-Dichloropropene	215		N/A
22.504	97.0+99.0	1,1,2-Trichloroethane	522		N/A
22.719	164.0+166.0	Tetrachloroethene	993	612	0.732
22.981	76.0+41.0	1,3-Dichloropropane	501		N/A
17.440	41.0	Isobutyl alcohol	548		N/A
23.543	129.0+127.0	Dibromochloromethane	602		N/A
23.948	107.0+109.0	1,2-Dibromoethane	576		N/A
25.749	91.0	1-Chlorohexane	526		N/A
25.315	112.0+114.0	Chlorobenzene	263		N/A
25.481	106.0+91.0	Ethylbenzene	590		N/A
25.478	131.0+117.0	1,1,1,2-Tetrachloroethane	483	324	0.081
25.823	106.0+91.0	p,m-Xylenes	826		N/A
27.024	106.0+91.0	o-Xylene	789		N/A
27.331	104.0+78.0	Styrene	739	50	0.004
27.764	171.0+173.0+175.0	Bromoform	532		N/A

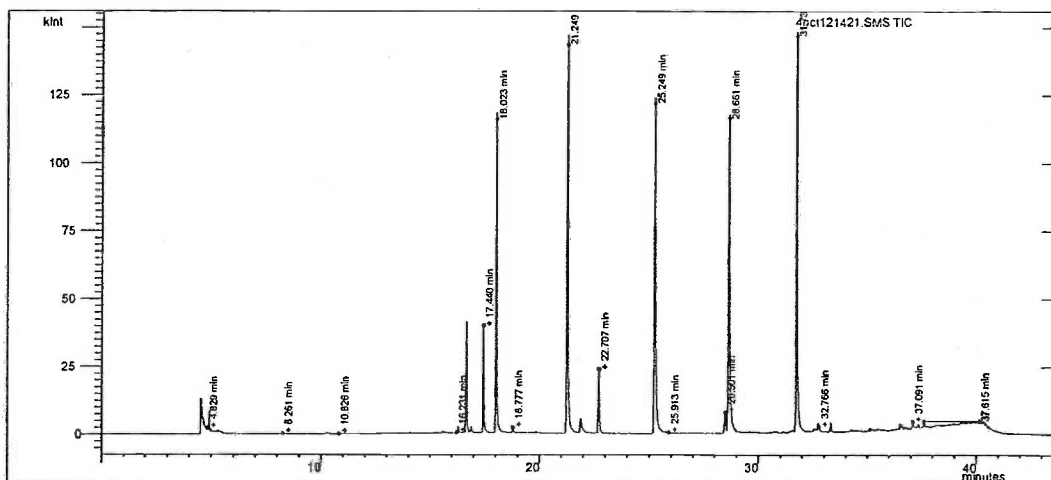
RT	Quan Ions	Compound Name	R.Match	Area	Amount
28.069	105.0+120.0	Isopropylbenzene	793	167	0.008
28.497	75.0	cis-1,4-Dichloro-2-butene	603	98	0.297
28.657	95.0	p-Bromofluorobenzene (Surr4)	998	101210	26.947
29.090	83.0+85.0	1,1,2,2-Tetrachloroethane	473		N/A
29.092	77.0+158.0	Bromobenzene	824	101	0.011
29.148	91.0+120.0	n-Propylbenzene	870		N/A
29.229	75.0	trans-1,4-Dichloro-2-butene	647		N/A
29.231	75.0+110.0	1,2,3-Trichloropropane	701		N/A
29.517	91.0+126.0	2-Chlorotoluene	787		N/A
29.696	105.0+120.0	1,3,5-Trimethylbenzene	889	282	0.012
29.521	91.0+126.0	4-Chlorotoluene	770		N/A
30.485	119.0+91.0	tert-Butylbenzene	779		N/A
30.736	105.0+120.0	1,2,4-Trimethylbenzene	933	1233	0.057
31.431	117.0	Pentachloroethane	538		N/A
31.108	105.0+134.0	sec-Butylbenzene	960	991	0.044
30.483	119.0	4-Isopropyltoluene	795		N/A
31.579	146.0+148.0	1,3-Dichlorobenzene	861	453	0.039
31.585	146.0+148.0	1,4-Dichlorobenzene	880	500	0.043
32.112	91.0	Benzyl Chloride	517		N/A
32.554	91.0+134.0	n-Butylbenzene	961	673	0.038
32.761	146.0+148.0	1,2-Dichlorobenzene	843	632	0.057
34.645	75.0+157.0	1,2-Dibromo-3-chloropropane	831		N/A
37.606	180.0+182.0	1,2,4-Trichlorobenzene	984	3968	0.529
36.683	225.0+226.0	Hexachlorobutadiene	912		N/A
37.086	128.0	Naphthalene	994	3952	0.711
37.609	180.0+182.0	1,2,3-Trichlorobenzene	989	2770	0.381

524 Volatile Organics

Associated Labs

GCMS # 4

Data File Name: c:\varianws\data\4oct12\4oct121421.S MS
 Calc Method: C:\VarianWS\methods\ms4_524_10181
 2_35C.mth
 Sample Name: 312080-007_10mL-2 Acquisition Date: 10/20/2012 10:45:24 AM
 Inj. Notes: pH<2 Operator Name: NZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
18.023	96.0+70.0	Fluorobenzene (IS1)	926	197510	25.000
25.249	117.0	Chlorobenzene-d5(IS2)	993	163645	25.000
31.738	152.0	1,4-Dichlorobenzene-d4(IS3)	946	84835	25.000
4.829	85.0	Dichlorodifluoromethane	796	1037	0.305
5.446	50.0+52.0+49.0	Chloromethane	209		N/A
5.812	62.0+64.0	Vinyl Chloride	801		N/A
7.014	94.0+45.0	Bromomethane	431		N/A
7.411	45.0+49.0	Chloroethane	439		N/A
8.261	101.0+103.0	Trichlorofluoromethane	870	286	0.038
9.497	59.0	Ethyl ether	540		N/A
10.230	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	735	203	0.046
11.202	56.0	Acrolein	527		N/A
10.320	96.0+61.0+98.0	1,1-Dichloroethene	897	1372	0.239
10.845	142.0	Iodomethane	864		N/A
10.826	43.0+58.0	Acetone	811	336	0.995
11.515	45.0	Isopropyl alcohol (2-Propanol)	782		N/A
10.957	76.0	Carbon disulfide	591		N/A
13.346	41.0	Acetonitrile	824		N/A
11.623	41.0+39.0	Allyl chloride	507		N/A
12.135	84.0+49.0+86.0	Methylene Chloride	839	194	0.030
12.615	59.0	tert-Butanol	618		N/A
12.840	73.0	Methyl-tert-butyl-ether (MTBE)	913	157	0.043
12.828	61.0+96.0	1,1,2-Dichloroethene	775	96	0.014

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4oct121421.SMS

ALAB: 00260

CONFIDENTIAL

LMC-PET-00001091

RT	Quan Ions	Compound Name	R.Match	Area	Amount
13.070	53.0	Acrylonitrile	747		N/A
13.360	41.0	n-Hexane	646		N/A
14.096	63.0	1,1-Dichloroethane	706	797	0.178
14.298	43.0	Vinyl acetate	521		N/A
14.055	45.0	Isopropyl ether	365		N/A
14.201	53.0	Chloroprene	581		N/A
14.968	59.0	Ethyl-tert-butyl-ether	383		N/A
15.440	77.0+41.0	2,2-Dichloropropane	615		N/A
15.592	61.0+96.0	c-1,2-Dichloroethene	960	896	0.137
15.562	43.0+72.0	2-Butanone (MEK)	537	14	0.025
15.948	54.0	Propionitrile	360		N/A
16.304	130.0+49.0	Bromochloromethane	301	334	0.086
17.528	39.0	Methacrylonitrile	414		N/A
16.300	83.0+85.0	Chloroform	989	4435	0.530
16.587	97.0+99.0	1,1,1-Trichloroethane	829	112	0.011
16.665	111.0	Dibromofluoromethane (Surr1)	989	40333	24.790
16.890	117.0+119.0	Carbon Tetrachloride	983	3866	0.464
16.231	42.0+72.0	Tetrahydrofuran	794	193	0.690
16.949	75.0+39.0	1,1-Dichloropropene	734		N/A
17.378	78.0	Benzene	526		N/A
17.440	65.0	1,2-Dichloroethane-d4 (Surr2)	982	61243	27.706
17.581	62.0+64.0	1,2-Dichloroethane	203		N/A
17.537	73.0+55.0+87.0	tert-Amyl-methyl-ether	312		N/A
18.777	130.0+132.0+95.0	Trichloroethene	990	2770	0.331
19.397	41.0	Methyl methacrylate	673		N/A
19.273	63.0+65.0	1,2-Dichloropropane	815		N/A
19.543	93.0+174.0	Dibromomethane	468		N/A
20.281	88.0	1,4-Dioxane	425		N/A
19.858	83.0+85.0	Bromodichloromethane	962	1072	0.177
20.393	63.0+43.0	2-Chloroethyl vinyl ether	743		N/A
20.738	75.0+77.0+39.0	c-1,3-Dichloropropene	549		N/A
21.012	43.0+58.0	4-Methyl-2-pentanone	366		N/A
21.249	98.0	Toluene-d8 (Surr3)	997	224864	25.678
21.369	92.0+91.0	Toluene	240		N/A
22.013	69.0	Ethyl methacrylate	371		N/A
23.027	43.0+58.0+100.0	2-Hexanone	463		N/A
22.043	75.0+77.0	t-1,3-Dichloropropene	161		N/A
22.504	97.0+99.0	1,1,2-Trichloroethane	559		N/A
22.707	164.0+166.0	Tetrachloroethene	997	5184	5.579
22.981	76.0+41.0	1,3-Dichloropropane	596		N/A
17.440	41.0	Isobutyl alcohol	545		N/A
23.543	129.0+127.0	Dibromochloromethane	765		N/A
23.948	107.0+109.0	1,2-Dibromoethane	732		N/A
25.749	91.0	1-Chlorohexane	740		N/A
25.315	112.0+114.0	Chlorobenzene	281		N/A
25.481	106.0+91.0	Ethylbenzene	678		N/A
25.549	131.0+117.0	1,1,1,2-Tetrachloroethane	462		N/A
25.913	106.0+91.0	p,m-Xylenes	851	260	0.012
27.089	106.0+91.0	o-Xylene	795	197	0.009
27.291	104.0+78.0	Styrene	846	55	0.004
27.764	171.0+173.0+175.0	Bromoform	597		N/A

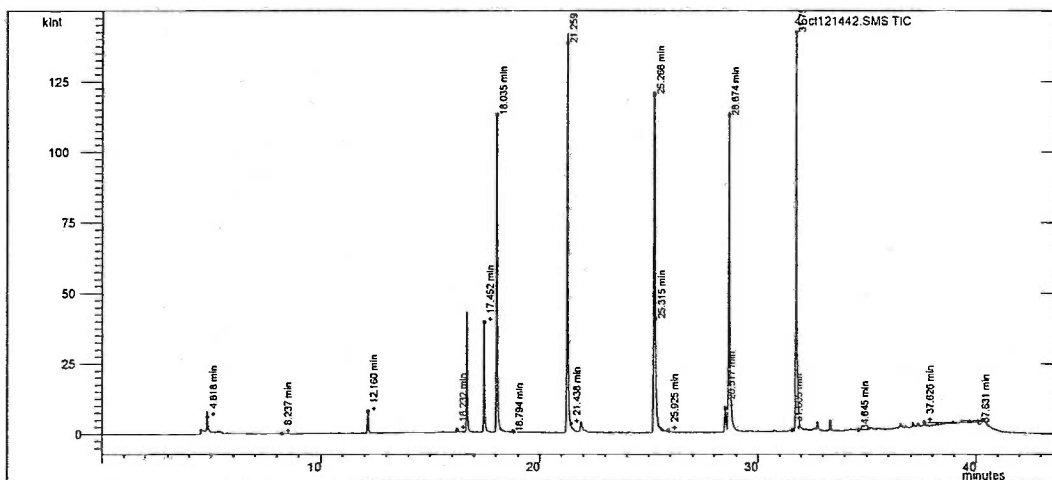
RT	Quan Ions	Compound Name	R.Match	Area	Amount
28.000	105.0+120.0	Isopropylbenzene	791		N/A
28.501	75.0	cis-1,4-Dichloro-2-butene	501	222	0.600
28.661	95.0	p-Bromofluorobenzene (Surr4)	998	112035	26.607
29.090	83.0+85.0	1,1,2,2-Tetrachloroethane	411		N/A
29.044	77.0+158.0	Bromobenzene	849		N/A
29.148	91.0+120.0	n-Propylbenzene	803		N/A
29.229	75.0	trans-1,4-Dichloro-2-butene	673		N/A
29.231	75.0+110.0	1,2,3-Trichloropropane	586		N/A
29.517	91.0+126.0	2-Chlorotoluene	739		N/A
29.683	105.0+120.0	1,3,5-Trimethylbenzene	880	1120	0.044
29.521	91.0+126.0	4-Chlorotoluene	778		N/A
30.485	119.0+91.0	tert-Butylbenzene	752		N/A
30.732	105.0+120.0	1,2,4-Trimethylbenzene	914	767	0.031
31.431	117.0	Pentachloroethane	567		N/A
31.111	105.0+134.0	sec-Butylbenzene	920	649	0.026
30.483	119.0	4-Isopropyltoluene	795		N/A
31.590	146.0+148.0	1,3-Dichlorobenzene	926	461	0.035
31.589	146.0+148.0	1,4-Dichlorobenzene	922	404	0.031
32.112	91.0	Benzyl Chloride	460		N/A
32.549	91.0+134.0	n-Butylbenzene	915	932	0.047
32.766	146.0+148.0	1,2-Dichlorobenzene	837	781	0.063
34.645	75.0+157.0	1,2-Dibromo-3-chloropropane	561		N/A
37.613	180.0+182.0	1,2,4-Trichlorobenzene	983	3107	0.370
36.683	225.0+226.0	Hexachlorobutadiene	932		N/A
37.091	128.0	Naphthalene	996	3172	0.509
37.615	180.0+182.0	1,2,3-Trichlorobenzene	989	2509	0.308

524 Volatile Organics

Associated Labs

GCMS # 4

Data File Name: C:\VarianWS\data\4Oct12\4oct121442. Calc Method: C:\VarianWS\methods\ms4_524_10181 SMS
 Sample Name: 312080-008_10mL-7 Acquisition Date: 10/21/2012 3:59:43 AM
 Inj. Notes: pH<2 Operator Name: NZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
18.035	96.0+70.0	Fluorobenzene (IS1)	889	191573	25.000
25.266	117.0	Chlorobenzene-d5(IS2)	987	159486	25.000
31.750	152.0	1,4-Dichlorobenzene-d4(IS3)	929	75409	25.000
4.818	85.0	Dichlorodifluoromethane	120		N/A
5.446	50.0+52.0+49.0	Chloromethane	243		N/A
5.812	62.0+64.0	Vinyl Chloride	832		N/A
7.014	94.0+45.0	Bromomethane	563		N/A
7.411	45.0+49.0	Chloroethane	525		N/A
8.237	101.0+103.0	Trichlorofluoromethane	763		N/A
9.497	59.0	Ethyl ether	457		N/A
10.209	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	501		N/A
11.202	56.0	Acrolein	508		N/A
10.330	96.0+61.0+98.0	1,1-Dichloroethene	721	41	0.007
10.845	142.0	Iodomethane	775		N/A
10.836	43.0+58.0	Acetone	866	703	2.750
11.515	45.0	Isopropyl alcohol (2-Propanol)	756		N/A
10.957	76.0	Carbon disulfide	628		N/A
13.346	41.0	Acetonitrile	891		N/A
11.623	41.0+39.0	Allyl chloride	645		N/A
12.160	84.0+49.0+86.0	Methylene Chloride	925	16130	2.571
12.615	59.0	tert-Butanol	687		N/A
12.750	73.0	Methyl-tert-butyl-ether (MTBE)	619		N/A
12.801	61.0+96.0	1-1,2-Dichloroethene	563		N/A

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4oct121442.SMS

ALAB: 00283

CONFIDENTIAL

LMC-PET-00001094

RT	Quan Ions	Compound Name	R.Match	Area	Amount
13.070	53.0	Acrylonitrile	364		N/A
13.360	41.0	n-Hexane	743		N/A
14.068	63.0	1,1-Dichloroethane	615		N/A
14.298	43.0	Vinyl acetate	313		N/A
14.055	45.0	Isopropyl ether	625		N/A
14.201	53.0	Chloroprene	409		N/A
14.968	59.0	Ethyl-tert-butyl-ether	308		N/A
15.440	77.0+41.0	2,2-Dichloropropane	729		N/A
15.554	61.0+96.0	c-1,2-Dichloroethene	584		N/A
15.772	43.0+72.0	2-Butanone (MEK)	670	33	0.062
15.948	54.0	Propionitrile	327		N/A
16.123	130.0+49.0	Bromochloromethane	566		N/A
17.528	39.0	Methacrylonitrile	367		N/A
16.316	83.0+85.0	Chloroform	983	587	0.072
16.584	97.0+99.0	1,1,1-Trichloroethane	490		N/A
16.677	111.0	Dibromofluoromethane (Surr1)	985	42079	26.664
16.861	117.0+119.0	Carbon Tetrachloride	784		N/A
16.232	42.0+72.0	Tetrahydrofuran	737	669	2.104
16.949	75.0+39.0	1,1-Dichloropropene	566		N/A
17.378	78.0	Benzene	502		N/A
17.452	65.0	1,2-Dichloroethane-d4 (Surr2)	982	59294	27.655
17.483	62.0+64.0	1,2-Dichloroethane	305	108	0.026
17.537	73.0+55.0+87.0	tert-Amyl-methyl-ether	552		N/A
18.794	130.0+132.0+95.0	Trichloroethene	835	290	0.036
19.397	41.0	Methyl methacrylate	672		N/A
19.273	63.0+65.0	1,2-Dichloropropane	655		N/A
19.543	93.0+174.0	Dibromomethane	376		N/A
20.281	88.0	1,4-Dioxane	370		N/A
19.821	83.0+85.0	Bromodichloromethane	531		N/A
20.393	63.0+43.0	2-Chloroethyl vinyl ether	543		N/A
20.738	75.0+77.0+39.0	c-1,3-Dichloropropene	449		N/A
21.012	43.0+58.0	4-Methyl-2-pentanone	591		N/A
21.259	98.0	Toluene-d8 (Surr3)	997	219105	25.673
21.438	92.0+91.0	Toluene	570	1716	0.085
22.013	69.0	Ethyl methacrylate	416		N/A
23.027	43.0+58.0+100.0	2-Hexanone	440		N/A
22.043	75.0+77.0	t-1,3-Dichloropropene	163		N/A
22.504	97.0+99.0	1,1,2-Trichloroethane	401		N/A
22.669	164.0+166.0	Tetrachloroethene	936		N/A
22.981	76.0+41.0	1,3-Dichloropropane	568		N/A
17.440	41.0	Isobutyl alcohol	638		N/A
23.543	129.0+127.0	Dibromochloromethane	429		N/A
23.948	107.0+109.0	1,2-Dibromoethane	396		N/A
25.749	91.0	1-Chlorohexane	758		N/A
25.315	112.0+114.0	Chlorobenzene	245		N/A
25.560	106.0+91.0	Ethylbenzene	780	218	0.011
25.549	131.0+117.0	1,1,1,2-Tetrachloroethane	324		N/A
25.925	106.0+91.0	p,m-Xylenes	942	1064	0.056
27.121	106.0+91.0	o-Xylene	835	459	0.024
27.106	104.0+78.0	Styrene	430		N/A
27.764	171.0+173.0+175.0	Bromoform	555		N/A

ALAB : 00284

RT	Quan Ions	Compound Name	R.Match	Area	Amount
28.000	105.0+120.0	Isopropylbenzene	706		N/A
28.517	75.0	cis-1,4-Dichloro-2-butene	709	232	0.707
28.674	95.0	p-Bromofluorobenzene (Surr4)	998	107616	28.753
29.090	83.0+85.0	1,1,2,2-Tetrachloroethane	598		N/A
29.044	77.0+158.0	Bromobenzene	771		N/A
29.148	91.0+120.0	n-Propylbenzene	720		N/A
29.229	75.0	trans-1,4-Dichloro-2-butene	633		N/A
29.231	75.0+110.0	1,2,3-Trichloropropane	706		N/A
29.517	91.0+126.0	2-Chlorotoluene	763		N/A
29.480	105.0+120.0	1,3,5-Trimethylbenzene	799	154	0.007
29.521	91.0+126.0	4-Chlorotoluene	726		N/A
30.485	119.0+91.0	tert-Butylbenzene	806		N/A
30.750	105.0+120.0	1,2,4-Trimethylbenzene	974	779	0.036
31.431	117.0	Pentachloroethane	532		N/A
31.067	105.0+134.0	sec-Butylbenzene	888		N/A
30.483	119.0	4-Isopropyltoluene	818		N/A
31.519	146.0+148.0	1,3-Dichlorobenzene	881		N/A
31.605	146.0+148.0	1,4-Dichlorobenzene	927	197	0.017
32.112	91.0	Benzyl Chloride	590		N/A
32.474	91.0+134.0	n-Butylbenzene	923		N/A
32.717	146.0+148.0	1,2-Dichlorobenzene	682		N/A
34.645	75.0+157.0	1,2-Dibromo-3-chloropropane	560		N/A
37.626	180.0+182.0	1,2,4-Trichlorobenzene	959	1628	0.218
36.683	225.0+226.0	Hexachlorobutadiene	911		N/A
37.113	128.0	Naphthalene	984	1193	0.215
37.631	180.0+182.0	1,2,3-Trichlorobenzene	974	1299	0.179

524 Volatile Organics

Associated Labs

GCMS # 4

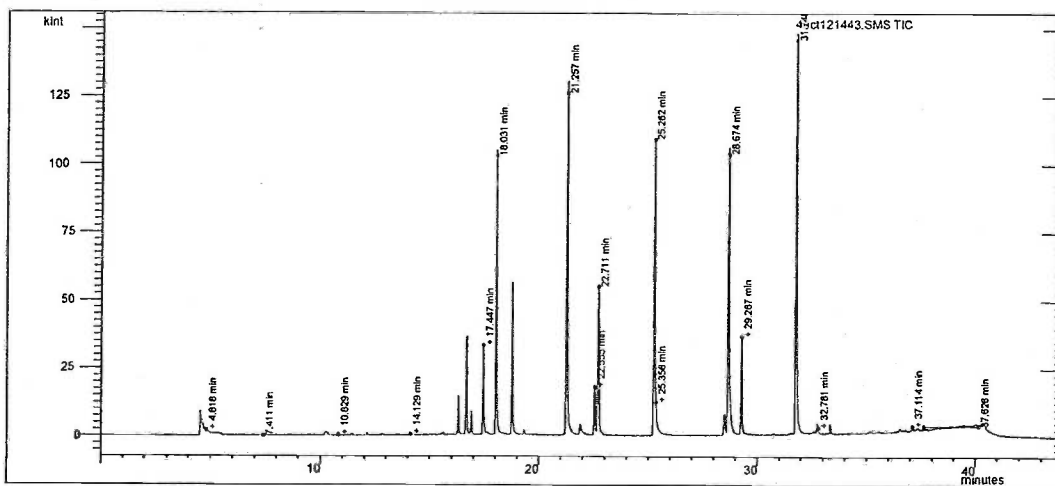
Data File Name: C:\Varian\WS\data\4Oct12\4oct121443. Calc Method: C:\Varian\WS\methods\ms4_524_10181_2_35C.mth

Sample Name: 312080-009_10mL-7

Acquisition Date: 10/21/2012 4:50:21 AM

Inj. Notes: pH<2

Operator Name: NZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
18.031	96.0+70.0	Fluorobenzene (IS1)	910	169231	25.000
25.262	117.0	Chlorobenzene-d5(IS2)	994	147087	25.000
31.748	152.0	1,4-Dichlorobenzene-d4(IS3)	932	71159	25.000
4.818	85.0	Dichlorodifluoromethane	268		N/A
5.446	50.0+52.0+49.0	Chloromethane	196		N/A
5.812	62.0+64.0	Vinyl Chloride	699		N/A
7.014	94.0+45.0	Bromomethane	490		N/A
7.411	45.0+49.0	Chloroethane	572		N/A
8.305	101.0+103.0	Trichlorofluoromethane	820	36	0.006
9.497	59.0	Ethyl ether	568		N/A
10.250	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	912	2609	0.688
11.202	56.0	Acrolein	518		N/A
10.330	96.0+61.0+98.0	1,1-Dichloroethene	913	1794	0.365
10.893	142.0	Iodomethane	893	28	0.008
10.829	43.0+58.0	Acetone	884	889	2.077
11.515	45.0	Isopropyl alcohol (2-Propanol)	812		N/A
10.957	76.0	Carbon disulfide	530		N/A
13.346	41.0	Acetonitrile	797		N/A
11.623	41.0+39.0	Allyl chloride	739		N/A
12.151	84.0+49.0+86.0	Methylene Chloride	883	2237	0.404
12.615	59.0	tert-Butanol	444		N/A
12.830	73.0	Methyl-tert-butyl-ether (MTBE)	790	1055	0.335
12.801	61.0+96.0	1,1,2-Dichloroethene	543		N/A

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4oct121443.SMS

ALAB: 00286

CONFIDENTIAL

LMC-PET-00001097

RT	Quan Ions	Compound Name	R.Match	Area	Amount
13.070	53.0	Acrylonitrile	213		N/A
13.360	41.0	n-Hexane	541		N/A
14.108	63.0	1,1-Dichloroethane	941	249	0.065
14.298	43.0	Vinyl acetate	412		N/A
14.129	45.0	Isopropyl ether	929	575	0.104
14.201	53.0	Chloroprene	235		N/A
14.968	59.0	Ethyl-tert-butyl-ether	420		N/A
15.440	77.0+41.0	2,2-Dichloropropane	506		N/A
15.597	61.0+96.0	c-1,2-Dichloroethene	924	983	0.175
15.719	43.0+72.0	2-Butanone (MEK)	667		N/A
15.948	54.0	Propionitrile	248		N/A
16.123	130.0+49.0	Bromochloromethane	257		N/A
17.528	39.0	Methacrylonitrile	467		N/A
16.303	83.0+85.0	Chloroform	992	28818	4.021
16.584	97.0+99.0	1,1,1-Trichloroethane	728		N/A
16.671	111.0	Dibromofluoromethane (Surr1)	985	37032	26.564
16.897	117.0+119.0	Carbon Tetrachloride	983	14788	2.069
16.245	42.0+72.0	Tetrahydrofuran	765	157	0.559
16.949	75.0+39.0	1,1-Dichloropropene	550		N/A
17.378	78.0	Benzene	436		N/A
17.447	65.0	1,2-Dichloroethane-d4 (Surr2)	987	52744	27.848
17.620	62.0+64.0	1,2-Dichloroethane	637	1168	0.314
17.537	73.0+55.0+87.0	tert-Amyl-methyl-ether	403		N/A
18.770	130.0+132.0+95.0	Trichloroethene	996	80206	10.661
19.319	41.0	Methyl methacrylate	782	485	0.443
19.322	63.0+65.0	1,2-Dichloropropane	988	958	0.493
19.543	93.0+174.0	Dibromomethane	415		N/A
20.281	88.0	1,4-Dioxane	497		N/A
19.859	83.0+85.0	Bromodichloromethane	888	256	0.047
20.393	63.0+43.0	2-Chloroethyl vinyl ether	528		N/A
20.738	75.0+77.0+39.0	c-1,3-Dichloropropene	626		N/A
21.100	43.0+58.0	4-Methyl-2-pentanone	897	377	0.245
21.257	98.0	Toluene-d8 (Surr3)	998	199262	25.316
21.428	92.0+91.0	Toluene	550	1681	0.091
22.013	69.0	Ethyl methacrylate	505		N/A
23.027	43.0+58.0+100.0	2-Hexanone	597		N/A
22.043	75.0+77.0	t-1,3-Dichloropropene	328		N/A
22.555	97.0+99.0	1,1,2-Trichloroethane	998	17406	6.180
22.711	164.0+166.0	Tetrachloroethene	997	11463	13.725
22.981	76.0+41.0	1,3-Dichloropropane	115		N/A
17.440	41.0	Isobutyl alcohol	434		N/A
23.543	129.0+127.0	Dibromochloromethane	795		N/A
23.948	107.0+109.0	1,2-Dibromoethane	369		N/A
25.749	91.0	1-Chlorohexane	750		N/A
25.356	112.0+114.0	Chlorobenzene	307	715	0.060
25.481	106.0+91.0	Ethylbenzene	655		N/A
25.549	131.0+117.0	1,1,1,2-Tetrachloroethane	443		N/A
25.940	106.0+91.0	p,m-Xylenes	875	534	0.030
27.024	106.0+91.0	o-Xylene	797		N/A
27.106	104.0+78.0	Styrene	557		N/A
27.764	171.0+173.0+175.0	Bromoform	634		N/A

ALAB : 00287

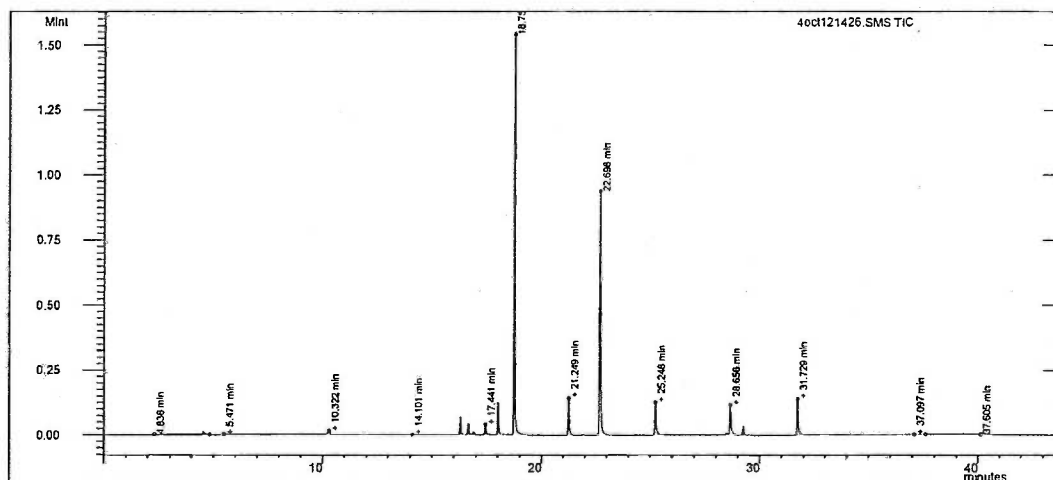
RT	Quan Ions	Compound Name	R.Match	Area	Amount
28.000	105.0+120.0	Isopropylbenzene	769		N/A
28.506	75.0	cis-1,4-Dichloro-2-butene	513	375	1.208
28.674	95.0	p-Bromofluorobenzene (Surr4)	999	105062	29.747
29.090	83.0+85.0	1,1,2,2-Tetrachloroethane	465		N/A
29.044	77.0+158.0	Bromobenzene	690		N/A
29.148	91.0+120.0	n-Propylbenzene	834		N/A
29.269	75.0	trans-1,4-Dichloro-2-butene	806	27529	19.223
29.267	75.0+110.0	1,2,3-Trichloropropane	900	39222	20.624
29.517	91.0+126.0	2-Chlorotoluene	669		N/A
29.713	105.0+120.0	1,3,5-Trimethylbenzene	774	617	0.029
29.521	91.0+126.0	4-Chlorotoluene	669		N/A
30.485	119.0+91.0	tert-Butylbenzene	680		N/A
30.753	105.0+120.0	1,2,4-Trimethylbenzene	948	708	0.035
31.431	117.0	Pentachloroethane	494		N/A
31.067	105.0+134.0	sec-Butylbenzene	887		N/A
30.483	119.0	4-Isopropyltoluene	702		N/A
31.611	146.0+148.0	1,3-Dichlorobenzene	828	277	0.025
31.603	146.0+148.0	1,4-Dichlorobenzene	870	273	0.025
32.112	91.0	Benzyl Chloride	579		N/A
32.474	91.0+134.0	n-Butylbenzene	936		N/A
32.781	146.0+148.0	1,2-Dichlorobenzene	874	641	0.062
34.645	75.0+157.0	1,2-Dibromo-3-chloropropane	506		N/A
37.626	180.0+182.0	1,2,4-Trichlorobenzene	963	1450	0.206
36.683	225.0+226.0	Hexachlorobutadiene	879		N/A
37.114	128.0	Naphthalene	990	1337	0.256
37.562	180.0+182.0	1,2,3-Trichlorobenzene	976		N/A

524 Volatile Organics

Associated Labs

GCMS # 4

Data File Name: c:\varianws\data\4oct12\4oct121426.S MS Calc Method: C:\VarianWS\methods\ms4_524_10181_2_35C.mth
 Sample Name: 312080-011_10mL-1 Acquisition Date: 10/20/2012 2:50:53 PM
 Inj. Notes: pH<2 Operator Name: NZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
18.022	96.0+70.0	Fluorobenzene (IS1)	888	207057	25.000
25.248	117.0	Chlorobenzene-d5(IS2)	994	166569	25.000
31.729	152.0	1,4-Dichlorobenzene-d4(IS3)	934	82551	25.000
4.836	85.0	Dichlorodifluoromethane	502	79	0.022
5.471	50.0+52.0+49.0	Chloromethane	463	91	0.029
5.812	62.0+64.0	Vinyl Chloride	408		N/A
7.014	94.0+45.0	Bromomethane	615		N/A
7.411	45.0+49.0	Chloroethane	379		N/A
8.273	101.0+103.0	Trichlorofluoromethane	893	344	0.044
9.497	59.0	Ethyl ether	569		N/A
10.242	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	917	18560	3.999
11.202	56.0	Acrolein	388		N/A
10.322	96.0+61.0+98.0	1,1-Dichloroethene	954	36916	6.140
10.834	142.0	Iodomethane	656	10	0.002
10.829	43.0+58.0	Acetone	843	341	0.966
11.515	45.0	Isopropyl alcohol (2-Propanol)	717		N/A
10.957	76.0	Carbon disulfide	476		N/A
13.346	41.0	Acetonitrile	749		N/A
11.623	41.0+39.0	Allyl chloride	764		N/A
12.153	84.0+49.0+86.0	Methylene Chloride	892	1228	0.181
12.615	59.0	tert-Butanol	563		N/A
12.836	73.0	Methyl-tert-butyl-ether (MTBE)	917	305	0.079
12.835	61.0+96.0	t-1,2-Dichloroethene	756	81	0.011

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4oct121426.SMS

ALAB: 00229

CONFIDENTIAL

LMC-PET-00001100

RT	Quan Ions	Compound Name	R.Match	Area	Amount
13.070	53.0	Acrylonitrile	495		N/A
13.360	41.0	n-Hexane	526		N/A
14.101	63.0	1,1-Dichloroethane	857	400	0.085
14.298	43.0	Vinyl acetate	438		N/A
14.055	45.0	Isopropyl ether	594		N/A
14.201	53.0	Chloroprene	524		N/A
14.968	59.0	Ethyl-tert-butyl-ether	495		N/A
15.440	77.0+41.0	2,2-Dichloropropane	600		N/A
15.594	61.0+96.0	c-1,2-Dichloroethene	932	1138	0.166
15.719	43.0+72.0	2-Butanone (MEK)	626		N/A
15.948	54.0	Propionitrile	334		N/A
16.123	130.0+49.0	Bromochloromethane	277		N/A
17.528	39.0	Methacrylonitrile	580		N/A
16.294	83.0+85.0	Chloroform	997	145929	16.644
16.603	97.0+99.0	1,1,1-Trichloroethane	961	1880	0.175
16.667	111.0	Dibromofluoromethane (Surr1)	994	42639	24.998
16.892	117.0+119.0	Carbon Tetrachloride	987	20332	2.325
16.293	42.0+72.0	Tetrahydrofuran	691	596	1.734
16.949	75.0+39.0	1,1-Dichloropropene	565		N/A
17.421	78.0	Benzene	708	279	0.040
17.441	65.0	1,2-Dichloroethane-d4 (Surr2)	984	62464	26.955
17.629	62.0+64.0	1,2-Dichloroethane	501	433	0.095
17.537	73.0+55.0+87.0	tert-Amyl-methyl-ether	360		N/A
18.752	130.0+132.0+95.0	Trichloroethene	995	2.708E6	317.847
19.397	41.0	Methyl methacrylate	771		N/A
19.273	63.0+65.0	1,2-Dichloropropane	869		N/A
19.543	93.0+174.0	Dibromomethane	383		N/A
20.281	88.0	1,4-Dioxane	386		N/A
19.862	83.0+85.0	Bromodichloromethane	962	770	0.125
20.353	63.0+43.0	2-Chloroethyl vinyl ether	736	26	0.093
20.738	75.0+77.0+39.0	c-1,3-Dichloropropene	529		N/A
21.012	43.0+58.0	4-Methyl-2-pentanone	749		N/A
21.249	98.0	Toluene-d8 (Surr3)	997	235084	26.374
21.369	92.0+91.0	Toluene	247		N/A
22.013	69.0	Ethyl methacrylate	487		N/A
23.027	43.0+58.0+100.0	2-Hexanone	402		N/A
22.043	75.0+77.0	t-1,3-Dichloropropene	74		N/A
22.542	97.0+99.0	1,1,2-Trichloroethane	994	2441	0.765
22.698	164.0+166.0	Tetrachloroethene	997	282867	299.073
22.981	76.0+41.0	1,3-Dichloropropane	189		N/A
17.440	41.0	Isobutyl alcohol	475		N/A
23.543	129.0+127.0	Dibromochloromethane	766		N/A
23.948	107.0+109.0	1,2-Dibromoethane	403		N/A
25.749	91.0	1-Chlorohexane	537		N/A
25.338	112.0+114.0	Chlorobenzene	303	609	0.045
25.481	106.0+91.0	Ethylbenzene	669		N/A
25.549	131.0+117.0	1,1,1,2-Tetrachloroethane	241		N/A
25.823	106.0+91.0	p,m-Xylenes	842		N/A
27.024	106.0+91.0	o-Xylene	799		N/A
27.106	104.0+78.0	Styrene	594		N/A
27.764	171.0+173.0+175.0	Bromoform	645		N/A

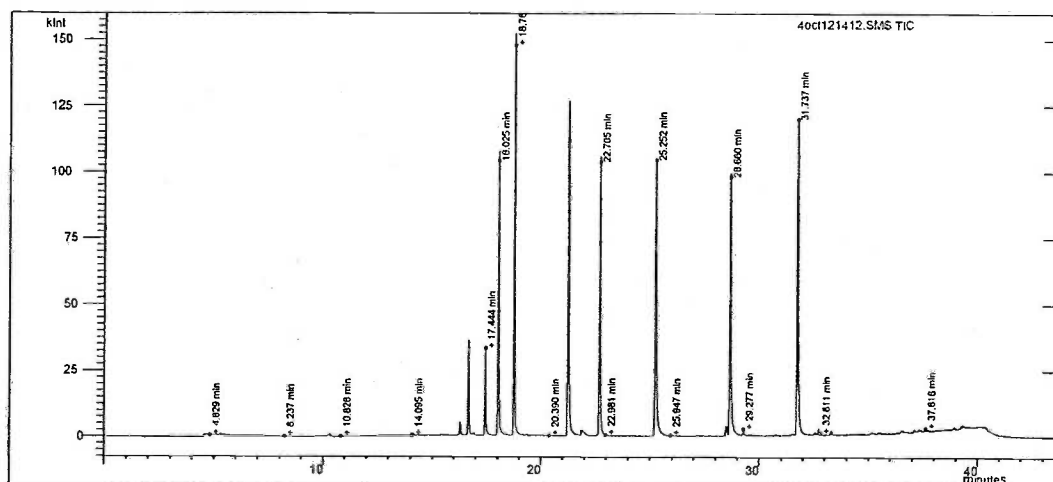
RT	Quan Ions	Compound Name	R.Match	Area	Amount
28.000	105.0+120.0	Isopropylbenzene	780		N/A
28.418	75.0	cis-1,4-Dichloro-2-butene	560		N/A
28.656	95.0	p-Bromofluorobenzene (Surr4)	998	110274	26.914
29.090	83.0+85.0	1,1,2,2-Tetrachloroethane	579		N/A
29.255	77.0+158.0	Bromobenzene	409	504	0.051
29.148	91.0+120.0	n-Propylbenzene	808		N/A
29.252	75.0	trans-1,4-Dichloro-2-butene	854	26277	15.816
29.252	75.0+110.0	1,2,3-Trichloropropane	863	36915	16.732
29.517	91.0+126.0	2-Chlorotoluene	819		N/A
29.712	105.0+120.0	1,3,5-Trimethylbenzene	831	455	0.018
29.521	91.0+126.0	4-Chlorotoluene	835		N/A
30.485	119.0+91.0	tert-Butylbenzene	699		N/A
30.744	105.0+120.0	1,2,4-Trimethylbenzene	902	791	0.033
31.431	117.0	Pentachloroethane	605		N/A
31.067	105.0+134.0	sec-Butylbenzene	886		N/A
30.526	119.0	4-Isopropyltoluene	726	140	0.008
31.586	146.0+148.0	1,3-Dichlorobenzene	875	339	0.027
31.584	146.0+148.0	1,4-Dichlorobenzene	869	325	0.025
32.112	91.0	Benzyl Chloride	715		N/A
32.544	91.0+134.0	n-Butylbenzene	884	538	0.028
32.781	146.0+148.0	1,2-Dichlorobenzene	832	398	0.033
34.645	75.0+157.0	1,2-Dibromo-3-chloropropane	745		N/A
37.605	180.0+182.0	1,2,4-Trichlorobenzene	961	1696	0.207
36.683	225.0+226.0	Hexachlorobutadiene	905		N/A
37.097	128.0	Naphthalene	982	1264	0.208
37.562	180.0+182.0	1,2,3-Trichlorobenzene	972		N/A

524 Volatile Organics

Associated Labs

GCMS # 4

Data File Name: c:\varianws\data\4oct12\4oct121412.S MS Calc Method: C:\VarianWS\methods\ms4_524_10181_2_35C.mth
Sample Name: 312080-011_1mL-1 Acquisition Date: 10/20/2012 3:21:12 AM
Inj. Notes: 1:10 pH<2 Operator Name: NZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
18.025	96.0+70.0	Fluorobenzene (IS1)	890	173471	25.000
25.252	117.0	Chlorobenzene-d5(IS2)	986	140538	25.000
31.737	152.0	1,4-Dichlorobenzene-d4(IS3)	935	69621	25.000
4.829	85.0	Dichlorodifluoromethane	635	24	0.008
5.446	50.0+52.0+49.0	Chloromethane	171		N/A
5.812	62.0+64.0	Vinyl Chloride	684		N/A
7.014	94.0+45.0	Bromomethane	516		N/A
7.411	45.0+49.0	Chloroethane	462		N/A
8.237	101.0+103.0	Trichlorofluoromethane	769		N/A
9.497	59.0	Ethyl ether	514		N/A
10.243	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	911	1419	0.365
11.202	56.0	Acrolein	414		N/A
10.321	96.0+61.0+98.0	1,1-Dichloroethene	913	2564	0.509
10.845	142.0	Iodomethane	907		N/A
10.828	43.0+58.0	Acetone	841	310	1.047
11.515	45.0	Isopropyl alcohol (2-Propanol)	755		N/A
10.957	76.0	Carbon disulfide	559		N/A
13.346	41.0	Acetonitrile	799		N/A
11.623	41.0+39.0	Allyl chloride	655		N/A
12.150	84.0+49.0+86.0	Methylene Chloride	884	441	0.078
12.615	59.0	tert-Butanol	525		N/A
12.750	73.0	Methyl-tert-butyl-ether (MTBE)	522		N/A
12.801	61.0+96.0	1,1,2-Dichloroethene	661		N/A

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4oct121412.SMS

ALAB: 00292

CONFIDENTIAL

LMC-PET-00001103

RT	Quan	Ions	Compound Name	R.Match	Area	Amount
13.070	53.0		Acrylonitrile	337		N/A
13.360	41.0		n-Hexane	606		N/A
14.095	63.0		1,1-Dichloroethane	591	40	0.010
14.298	43.0		Vinyl acetate	380		N/A
14.055	45.0		Isopropyl ether	499		N/A
14.201	53.0		Chloroprene	404		N/A
14.968	59.0		Ethyl-tert-butyl-ether	264		N/A
15.440	77.0+41.0		2,2-Dichloropropane	766		N/A
15.602	61.0+96.0		c-1,2-Dichloroethene	767	98	0.017
15.719	43.0+72.0		2-Butanone (MEK)	563		N/A
15.948	54.0		Propionitrile	272		N/A
16.303	130.0+49.0		Bromochloromethane	319	709	0.207
17.528	39.0		Methacrylonitrile	427		N/A
16.304	83.0+85.0		Chloroform	991	10601	1.443
16.595	97.0+99.0		1,1,1-Trichloroethane	822	58	0.006
16.668	111.0		Dibromofluoromethane (Surr1)	994	35792	25.047
16.901	117.0+119.0		Carbon Tetrachloride	985	1471	0.201
16.229	42.0+72.0		Tetrahydrofuran	670	423	1.471
16.949	75.0+39.0		1,1-Dichloropropene	628		N/A
17.415	78.0		Benzene	428	75	0.013
17.444	65.0		1,2-Dichloroethane-d4 (Surr2)	988	50702	26.116
17.489	62.0+64.0		1,2-Dichloroethane	385	61	0.016
17.537	73.0+55.0+87.0		tert-Amyl-methyl-ether	474		N/A
18.761	130.0+132.0+95.0		Trichloroethene	996	222902	31.010
19.397	41.0		Methyl methacrylate	715		N/A
19.273	63.0+65.0		1,2-Dichloropropane	758		N/A
19.543	93.0+174.0		Dibromomethane	464		N/A
20.281	88.0		1,4-Dioxane	407		N/A
19.852	83.0+85.0		Bromodichloromethane	781	56	0.011
20.390	63.0+43.0		2-Chloroethyl vinyl ether	631	24	0.100
20.738	75.0+77.0+39.0		c-1,3-Dichloropropene	742		N/A
21.012	43.0+58.0		4-Methyl-2-pentanone	279		N/A
21.250	98.0		Toluene-d8 (Surr3)	996	199855	26.574
21.369	92.0+91.0		Toluene	277		N/A
22.013	69.0		Ethyl methacrylate	351		N/A
23.027	43.0+58.0+100.0		2-Hexanone	492		N/A
22.043	75.0+77.0		t-1,3-Dichloropropene	200		N/A
22.562	97.0+99.0		1,1,2-Trichloroethane	847	97	0.036
22.705	164.0+166.0		Tetrachloroethene	997	22973	28.788
22.981	76.0+41.0		1,3-Dichloropropane	221		N/A
17.440	41.0		Isobutyl alcohol	472		N/A
23.543	129.0+127.0		Dibromochloromethane	576		N/A
23.948	107.0+109.0		1,2-Dibromoethane	407		N/A
25.749	91.0		1-Chlorohexane	692		N/A
25.315	112.0+114.0		Chlorobenzene	275		N/A
25.481	106.0+91.0		Ethylbenzene	609		N/A
25.549	131.0+117.0		1,1,1,2-Tetrachloroethane	416		N/A
25.947	106.0+91.0		p,m-Xylenes	850	238	0.013
27.024	106.0+91.0		o-Xylene	806		N/A
27.106	104.0+78.0		Styrene	526		N/A
27.764	171.0+173.0+175.0		Bromoform	498		N/A

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4oct121412.SMS

ALAS : 00293

CONFIDENTIAL

LMC-PET-00001104

RT	Quan Ions	Compound Name	R.Match	Area	Amount
28.000	105.0+120.0	Isopropylbenzene	665		N/A
28.525	75.0	cis-1,4-Dichloro-2-butene	423	29	0.097
28.660	95.0	p-Bromofluorobenzene (Surr4)	998	95127	27.529
29.090	83.0+85.0	1,1,2,2-Tetrachloroethane	428		N/A
29.275	77.0+158.0	Bromobenzene	376	12	0.001
29.148	91.0+120.0	n-Propylbenzene	862		N/A
29.277	75.0	trans-1,4-Dichloro-2-butene	818	1984	1.416
29.277	75.0+110.0	1,2,3-Trichloropropane	854	2600	1.397
29.517	91.0+126.0	2-Chlorotoluene	776		N/A
29.727	105.0+120.0	1,3,5-Trimethylbenzene	880	754	0.036
29.521	91.0+126.0	4-Chlorotoluene	781		N/A
30.485	119.0+91.0	tert-Butylbenzene	789		N/A
30.742	105.0+120.0	1,2,4-Trimethylbenzene	884	568	0.028
31.431	117.0	Pentachloroethane	539		N/A
31.118	105.0+134.0	sec-Butylbenzene	909	364	0.018
30.561	119.0	4-Isopropyltoluene	790	111	0.007
31.519	146.0+148.0	1,3-Dichlorobenzene	881		N/A
31.596	146.0+148.0	1,4-Dichlorobenzene	892	367	0.034
32.112	91.0	Benzyl Chloride	383		N/A
32.474	91.0+134.0	n-Butylbenzene	884		N/A
32.811	146.0+148.0	1,2-Dichlorobenzene	739	266	0.026
34.645	75.0+157.0	1,2-Dibromo-3-chloropropane	545		N/A
37.616	180.0+182.0	1,2,4-Trichlorobenzene	962	1514	0.220
36.683	225.0+226.0	Hexachlorobutadiene	874		N/A
37.107	128.0	Naphthalene	991	1118	0.218
37.562	180.0+182.0	1,2,3-Trichlorobenzene	963		N/A

524 Volatile Organics

Associated Labs

GCMS # 4

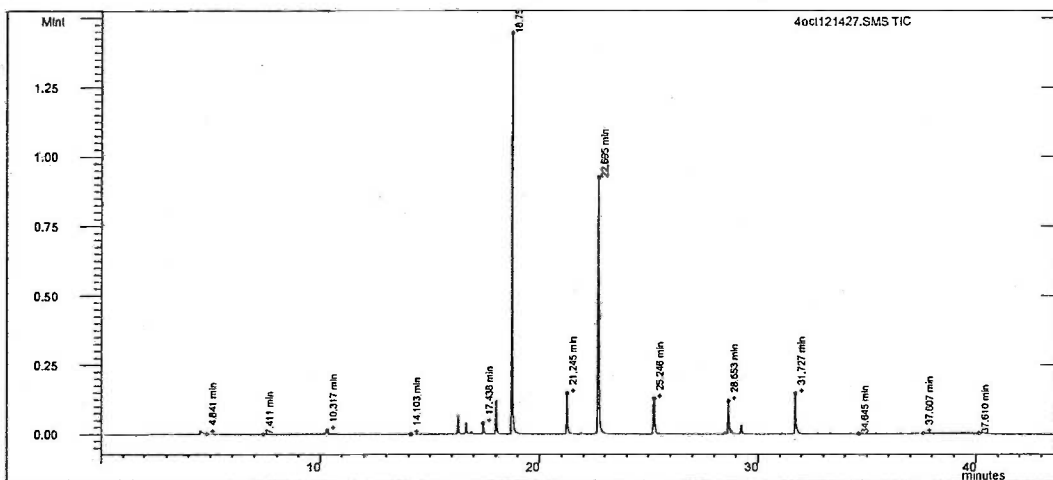
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Sample Name: 312080-012_10mL-2

Acquisition Date: 10/20/2012 3:39:50 PM

Inj. Notes: pH<2

Operator Name: NZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
18.019	96.0+70.0	Fluorobenzene (IS1)	914	204068	25.000
25.246	117.0	Chlorobenzene-d5(IS2)	994	168995	25.000
31.727	152.0	1,4-Dichlorobenzene-d4(IS3)	937	84388	25.000
4.841	85.0	Dichlorodifluoromethane	580	75	0.021
5.446	50.0+52.0+49.0	Chloromethane	284		N/A
5.812	62.0+64.0	Vinyl Chloride	563		N/A
7.014	94.0+45.0	Bromomethane	637		N/A
7.411	45.0+49.0	Chloroethane	546		N/A
8.269	101.0+103.0	Trichlorofluoromethane	901	354	0.046
9.497	59.0	Ethyl ether	702		N/A
10.238	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	915	17870	3.907
11.202	56.0	Acrolein	519		N/A
10.317	96.0+61.0+98.0	1,1-Dichloroethene	944	29433	4.967
10.845	142.0	Iodomethane	775		N/A
10.814	43.0+58.0	Acetone	854	261	0.749
11.515	45.0	Isopropyl alcohol (2-Propanol)	746		N/A
10.957	76.0	Carbon disulfide	739		N/A
13.346	41.0	Acetonitrile	868		N/A
11.623	41.0+39.0	Allyl chloride	655		N/A
12.159	84.0+49.0+86.0	Methylene Chloride	883	477	0.071
12.615	59.0	tert-Butanol	418		N/A
12.839	73.0	Methyl-tert-butyl-ether (MTBE)	901	277	0.073
12.826	61.0+96.0	1,1,2-Dichloroethene	801	37	0.005

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4oct121427.SMS

ALAB: 00295

CONFIDENTIAL

LMC-PET-00001106

RT	Quan	Ions	Compound Name	R.Match	Area	Amount
13.070	53.0		Acrylonitrile	380		N/A
13.360	41.0		n-Hexane	505		N/A
14.103	63.0		1,1-Dichloroethane	851	417	0.090
14.298	43.0		Vinyl acetate	471		N/A
14.055	45.0		Isopropyl ether	534		N/A
14.201	53.0		Chloroprene	623		N/A
14.968	59.0		Ethyl-tert-butyl-ether	330		N/A
15.440	77.0+41.0		2,2-Dichloropropane	672		N/A
15.590	61.0+96.0		c-1,2-Dichloroethene	939	905	0.134
15.719	43.0+72.0		2-Butanone (MEK)	771		N/A
15.948	54.0		Propionitrile	308		N/A
16.292	130.0+49.0		Bromochloromethane	369	9035	2.240
17.528	39.0		Methacrylonitrile	350		N/A
16.292	83.0+85.0		Chloroform	993	138706	16.052
16.603	97.0+99.0		1,1,1-Trichloroethane	972	1709	0.161
16.666	111.0		Dibromofluoromethane (Surr1)	988	41504	24.689
16.891	117.0+119.0		Carbon Tetrachloride	986	19394	2.251
16.284	42.0+72.0		Tetrahydrofuran	712	478	1.413
16.949	75.0+39.0		1,1-Dichloropropene	680		N/A
17.416	78.0		Benzene	571	125	0.018
17.438	65.0		1,2-Dichloroethane-d4 (Surr2)	983	62105	27.193
17.633	62.0+64.0		1,2-Dichloroethane	562	381	0.085
17.537	73.0+55.0+87.0		tert-Amyl-methyl-ether	304		N/A
18.750	130.0+132.0+95.0		Trichloroethene	996	2.568E6	297.049 <i>over</i>
19.397	41.0		Methyl methacrylate	660		N/A
19.312	63.0+65.0		1,2-Dichloropropane	878	140	0.063
19.543	93.0+174.0		Dibromomethane	523		N/A
20.281	88.0		1,4-Dioxane	457		N/A
19.847	83.0+85.0		Bromodichloromethane	966	731	0.117
20.398	63.0+43.0		2-Chloroethyl vinyl ether	622	55	0.191
20.738	75.0+77.0+39.0		c-1,3-Dichloropropene	596		N/A
21.012	43.0+58.0		4-Methyl-2-pentanone	467		N/A
21.245	98.0		Toluene-d8 (Surr3)	997	234806	25.964
21.369	92.0+91.0		Toluene	219		N/A
22.013	69.0		Ethyl methacrylate	618		N/A
23.027	43.0+58.0+100.0		2-Hexanone	431		N/A
22.043	75.0+77.0		t-1,3-Dichloropropene	145		N/A
22.541	97.0+99.0		1,1,2-Trichloroethane	993	2614	0.808
22.695	164.0+166.0		Tetrachloroethene	998	278440	290.165 <i>over</i>
22.981	76.0+41.0		1,3-Dichloropropane	224		N/A
17.440	41.0		Isobutyl alcohol	511		N/A
23.543	129.0+127.0		Dibromochloromethane	727		N/A
23.948	107.0+109.0		1,2-Dibromoethane	349		N/A
25.749	91.0		1-Chlorohexane	494		N/A
25.315	112.0+114.0		Chlorobenzene	285		N/A
25.481	106.0+91.0		Ethylbenzene	686		N/A
25.549	131.0+117.0		1,1,1,2-Tetrachloroethane	827		N/A
25.823	106.0+91.0		p,m-Xylenes	790		N/A
27.024	106.0+91.0		o-Xylene	747		N/A
27.106	104.0+78.0		Styrene	459		N/A
27.764	171.0+173.0+175.0		Bromoform	576		N/A

RT	Quan Ions	Compound Name	R.Match	Area	Amount
28.000	105.0+120.0	Isopropylbenzene	792		N/A
28.499	75.0	cis-1,4-Dichloro-2-butene	590	298	0.809
28.653	95.0	p-Bromofluorobenzene (Surr4)	999	113739	27.155
29.090	83.0+85.0	1,1,2,2-Tetrachloroethane	505		N/A
29.246	77.0+158.0	Bromobenzene	426	1443	0.144
29.208	91.0+120.0	n-Propylbenzene	748	303	0.011
29.251	75.0	trans-1,4-Dichloro-2-butene	848	25090	14.773
29.250	75.0+110.0	1,2,3-Trichloropropane	930	36204	16.053
29.517	91.0+126.0	2-Chlorotoluene	710		N/A
29.642	105.0+120.0	1,3,5-Trimethylbenzene	800		N/A
29.521	91.0+126.0	4-Chlorotoluene	760		N/A
30.485	119.0+91.0	tert-Butylbenzene	765		N/A
30.736	105.0+120.0	1,2,4-Trimethylbenzene	913	707	0.029
31.431	117.0	Pentachloroethane	618		N/A
31.097	105.0+134.0	sec-Butylbenzene	815	584	0.023
30.483	119.0	4-Isopropyltoluene	738		N/A
31.579	146.0+148.0	1,3-Dichlorobenzene	898	370	0.028
31.580	146.0+148.0	1,4-Dichlorobenzene	889	392	0.030
32.112	91.0	Benzyl Chloride	427		N/A
32.474	91.0+134.0	n-Butylbenzene	892		N/A
32.857	146.0+148.0	1,2-Dichlorobenzene	838	147	0.012
34.645	75.0+157.0	1,2-Dibromo-3-chloropropane	508		N/A
37.607	180.0+182.0	1,2,4-Trichlorobenzene	970	1615	0.193
36.683	225.0+226.0	Hexachlorobutadiene	875		N/A
37.100	128.0	Naphthalene	988	1013	0.163
37.610	180.0+182.0	1,2,3-Trichlorobenzene	973	1111	0.137

524 Volatile Organics

Associated Labs

GCMS # 4

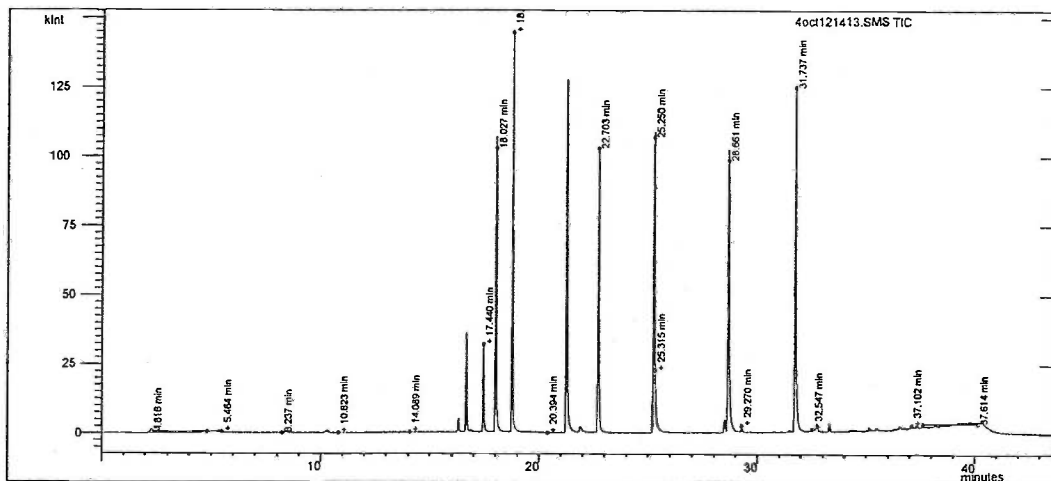
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Sample Name: 312080-012_1mL-2

Acquisition Date: 10/20/2012 4:10:04 AM

Inj. Notes: 1:10 pH<2

Operator Name: NZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
18.027	96.0+70.0	Fluorobenzene (IS1)	891	176279	25.000
25.250	117.0	Chlorobenzene-d5(IS2)	986	145296	25.000
31.737	152.0	1,4-Dichlorobenzene-d4(IS3)	942	72257	25.000
4.818	85.0	Dichlorodifluoromethane	678		N/A
5.464	50.0+52.0+49.0	Chloromethane	457	117	0.044
5.812	62.0+64.0	Vinyl Chloride	849		N/A
7.014	94.0+45.0	Bromomethane	617		N/A
7.411	45.0+49.0	Chloroethane	556		N/A
8.237	101.0+103.0	Trichlorofluoromethane	738		N/A
9.497	59.0	Ethyl ether	573		N/A
10.240	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	879	1337	0.338
11.202	56.0	Acrolein	569		N/A
10.326	96.0+61.0+98.0	1,1-Dichloroethene	920	2205	0.431
10.845	142.0	Iodomethane	775		N/A
10.823	43.0+58.0	Acetone	817	308	1.022
11.515	45.0	Isopropyl alcohol (2-Propanol)	727		N/A
10.957	76.0	Carbon disulfide	585		N/A
13.346	41.0	Acetonitrile	869		N/A
11.623	41.0+39.0	Allyl chloride	727		N/A
12.152	84.0+49.0+86.0	Methylene Chloride	892	439	0.076
12.615	59.0	tert-Butanol	611		N/A
12.750	73.0	Methyl-tert-butyl-ether (MTBE)	506		N/A
12.801	61.0+96.0	1,1,2-Dichloroethene	601		N/A

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4oct121413.SMS

ALAB: 00298

CONFIDENTIAL

LMC-PET-00001109

RT	Quan Ions	Compound Name	R.Match	Area	Amount
13.070	53.0	Acrylonitrile	292		N/A
13.360	41.0	n-Hexane	511		N/A
14.089	63.0	1,1-Dichloroethane	722	49	0.012
14.298	43.0	Vinyl acetate	506		N/A
14.055	45.0	Isopropyl ether	595		N/A
14.201	53.0	Chloroprene	645		N/A
14.968	59.0	Ethyl-tert-butyl-ether	283		N/A
15.440	77.0+41.0	2,2-Dichloropropane	716		N/A
15.583	61.0+96.0	c-1,2-Dichloroethene	709	90	0.015
15.719	43.0+72.0	2-Butanone (MEK)	532		N/A
15.948	54.0	Propionitrile	245		N/A
16.305	130.0+49.0	Bromochloromethane	333	692	0.199
17.528	39.0	Methacrylonitrile	493		N/A
16.305	83.0+85.0	Chloroform	987	10282	1.377
16.599	97.0+99.0	1,1,1-Trichloroethane	839	194	0.021
16.668	111.0	Dibromofluoromethane (Surr1)	988	35260	24.282
16.897	117.0+119.0	Carbon Tetrachloride	965	1555	0.209
16.235	42.0+72.0	Tetrahydrofuran	761	497	1.699
16.949	75.0+39.0	1,1-Dichloropropene	637		N/A
17.193	78.0	Benzene	689	21	0.003
17.440	65.0	1,2-Dichloroethane-d4 (Surr2)	983	51677	26.194
17.624	62.0+64.0	1,2-Dichloroethane	527	71	0.018
17.537	73.0+55.0+87.0	tert-Amyl-methyl-ether	343		N/A
18.759	130.0+132.0+95.0	Trichloroethene	996	207299	27.895
19.397	41.0	Methyl methacrylate	614		N/A
19.273	63.0+65.0	1,2-Dichloropropane	645		N/A
19.543	93.0+174.0	Dibromomethane	279		N/A
20.281	88.0	1,4-Dioxane	481		N/A
19.842	83.0+85.0	Bromodichloromethane	652	61	0.011
20.394	63.0+43.0	2-Chloroethyl vinyl ether	615	20	0.082
20.738	75.0+77.0+39.0	c-1,3-Dichloropropene	502		N/A
21.012	43.0+58.0	4-Methyl-2-pentanone	544		N/A
21.250	98.0	Toluene-d8 (Surr3)	997	196203	25.234
21.369	92.0+91.0	Toluene	214		N/A
22.013	69.0	Ethyl methacrylate	474		N/A
23.027	43.0+58.0+100.0	2-Hexanone	525		N/A
22.043	75.0+77.0	t-1,3-Dichloropropene	196		N/A
22.564	97.0+99.0	1,1,2-Trichloroethane	848	142	0.051
22.703	164.0+166.0	Tetrachloroethene	997	22940	27.806
22.981	76.0+41.0	1,3-Dichloropropane	217		N/A
17.440	41.0	Isobutyl alcohol	461		N/A
23.543	129.0+127.0	Dibromochloromethane	421		N/A
23.948	107.0+109.0	1,2-Dibromoethane	674		N/A
25.749	91.0	1-Chlorohexane	548		N/A
25.315	112.0+114.0	Chlorobenzene	227		N/A
25.481	106.0+91.0	Ethylbenzene	662		N/A
25.549	131.0+117.0	1,1,1,2-Tetrachloroethane	361		N/A
25.823	106.0+91.0	p,m-Xylenes	763		N/A
27.024	106.0+91.0	o-Xylene	720		N/A
27.215	104.0+78.0	Styrene	542	29	0.003
27.764	171.0+173.0+175.0	Bromoform	433		N/A

278.95

278.06

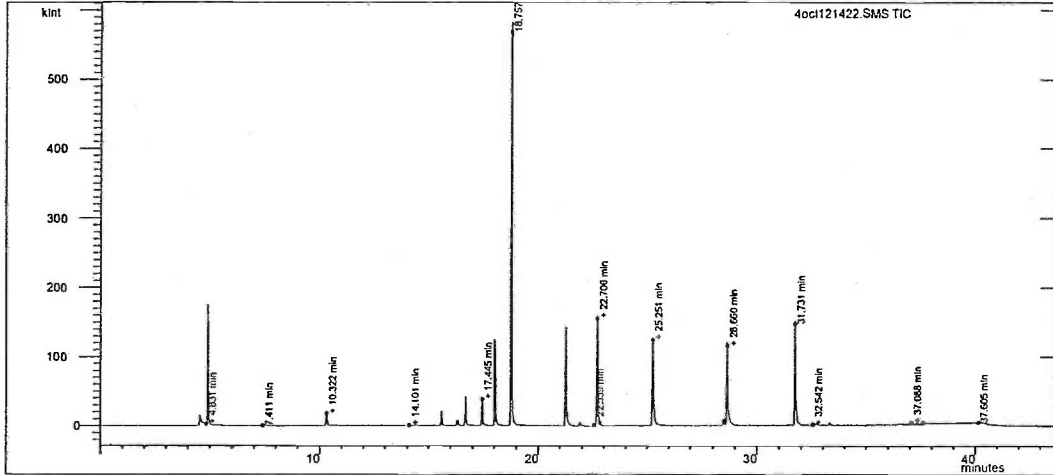
RT	Quan Ions	Compound Name	R.Match	Area	Amount
28.000	105.0+120.0	Isopropylbenzene	777		N/A
28.418	75.0	cis-1,4-Dichloro-2-butene	559		N/A
28.661	95.0	p-Bromofluorobenzene (Surr4)	999	99156	27.648
29.090	83.0+85.0	1,1,2,2-Tetrachloroethane	505		N/A
29.044	77.0+158.0	Bromobenzene	676		N/A
29.148	91.0+120.0	n-Propylbenzene	811		N/A
29.270	75.0	trans-1,4-Dichloro-2-butene	820	2031	1.397
29.270	75.0+110.0	1,2,3-Trichloropropane	875	2584	1.338
29.517	91.0+126.0	2-Chlorotoluene	746		N/A
29.709	105.0+120.0	1,3,5-Trimethylbenzene	854	627	0.029
29.521	91.0+126.0	4-Chlorotoluene	746		N/A
30.485	119.0+91.0	tert-Butylbenzene	757		N/A
30.738	105.0+120.0	1,2,4-Trimethylbenzene	908	575	0.028
31.431	117.0	Pentachloroethane	530		N/A
31.109	105.0+134.0	sec-Butylbenzene	884	429	0.020
30.551	119.0	4-Isopropyltoluene	692	112	0.007
31.590	146.0+148.0	1,3-Dichlorobenzene	913	390	0.035
31.587	146.0+148.0	1,4-Dichlorobenzene	933	384	0.034
32.112	91.0	Benzyl Chloride	541		N/A
32.547	91.0+134.0	n-Butylbenzene	911	841	0.050
32.759	146.0+148.0	1,2-Dichlorobenzene	706	189	0.018
34.645	75.0+157.0	1,2-Dibromo-3-chloropropane	547		N/A
37.614	180.0+182.0	1,2,4-Trichlorobenzene	978	1596	0.223
36.683	225.0+226.0	Hexachlorobutadiene	886		N/A
37.102	128.0	Naphthalene	988	1455	0.274
37.562	180.0+182.0	1,2,3-Trichlorobenzene	980		N/A

524 Volatile Organics

Associated Labs

GCMS # 4

Data File Name: c:\varianws\data\4oct12\4oct121422.S MS Calc Method: C:\VarianWS\methods\ms4_524_10181_2_35C.mth
 Sample Name: 312080-013_10mL-9 Acquisition Date: 10/20/2012 11:34:16 AM
 Inj. Notes: pH<2 Operator Name: NZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
18.028	96.0+70.0	Fluorobenzene (IS1)	889	200773	25.000
25.251	117.0	Chlorobenzene-d5(IS2)	992	162551	25.000
31.731	152.0	1,4-Dichlorobenzene-d4(IS3)	940	86079	25.000
4.831	85.0	Dichlorodifluoromethane	697	453	0.131
5.446	50.0+52.0+49.0	Chloromethane	200		N/A
5.812	62.0+64.0	Vinyl Chloride	633		N/A
7.014	94.0+45.0	Bromomethane	735		N/A
7.411	45.0+49.0	Chloroethane	647		N/A
8.280	101.0+103.0	Trichlorofluoromethane	865	267	0.035
9.497	59.0	Ethyl ether	546		N/A
10.245	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	925	662	0.147
11.202	56.0	Acrolein	495		N/A
10.322	96.0+61.0+98.0	1,1-Dichloroethene	941	45209	7.755
10.845	142.0	Iodomethane	896		N/A
10.825	43.0+58.0	Acetone	823	211	0.616
11.515	45.0	Isopropyl alcohol (2-Propanol)	754		N/A
10.957	76.0	Carbon disulfide	586		N/A
13.346	41.0	Acetonitrile	747		N/A
11.623	41.0+39.0	Allyl chloride	806		N/A
12.149	84.0+49.0+86.0	Methylene Chloride	865	581	0.088
12.615	59.0	tert-Butanol	490		N/A
12.826	73.0	Methyl-tert-butyl-ether (MTBE)	836	269	0.072
12.831	61.0+96.0	1-1,2-Dichloroethene	949	754	0.108

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ALAB: 00301

CONFIDENTIAL

LMC-PET-00001112

RT	Quan Ions	Compound Name	R.Match	Area	Amount
13.070	53.0	Acrylonitrile	409		N/A
13.360	41.0	n-Hexane	635		N/A
14.101	63.0	1,1-Dichloroethane	780	270	0.059
14.298	43.0	Vinyl acetate	508		N/A
14.055	45.0	Isopropyl ether	613		N/A
14.201	53.0	Chloroprene	575		N/A
14.968	59.0	Ethyl-tert-butyl-ether	444		N/A
15.440	77.0+41.0	2,2-Dichloropropane	607		N/A
15.582	61.0+96.0	c-1,2-Dichloroethene	955	35121	5.271
15.576	43.0+72.0	2-Butanone (MEK)	485	188	0.335
15.948	54.0	Propionitrile	290		N/A
16.303	130.0+49.0	Bromochloromethane	329	1042	0.263
17.528	39.0	Methacrylonitrile	431		N/A
16.307	83.0+85.0	Chloroform	993	15141	1.781
16.602	97.0+99.0	1,1,1-Trichloroethane	779	154	0.015
16.671	111.0	Dibromofluoromethane (Surr1)	988	40431	24.446
16.901	117.0+119.0	Carbon Tetrachloride	984	2053	0.242
16.180	42.0+72.0	Tetrahydrofuran	806		N/A
16.949	75.0+39.0	1,1-Dichloropropene	517		N/A
17.416	78.0	Benzene	398	123	0.018
17.445	65.0	1,2-Dichloroethane-d4 (Surr2)	983	59529	26.493
17.634	62.0+64.0	1,2-Dichloroethane	647	239	0.054
17.537	73.0+55.0+87.0	tert-Amyl-methyl-ether	538		N/A
18.757	130.0+132.0+95.0	Trichloroethene	996	936952	112.696
19.397	41.0	Methyl methacrylate	846		N/A
19.321	63.0+65.0	1,2-Dichloropropane	953	227	0.106
19.543	93.0+174.0	Dibromomethane	560		N/A
20.281	88.0	1,4-Dioxane	464		N/A
19.857	83.0+85.0	Bromodichloromethane	938	789	0.131
20.301	63.0+43.0	2-Chloroethyl vinyl ether	642	18	0.067
20.738	75.0+77.0+39.0	c-1,3-Dichloropropene	579		N/A
21.012	43.0+58.0	4-Methyl-2-pentanone	249		N/A
21.253	98.0	Toluene-d8 (Surr3)	996	229123	26.340
21.369	92.0+91.0	Toluene	278		N/A
22.013	69.0	Ethyl methacrylate	334		N/A
23.027	43.0+58.0+100.0	2-Hexanone	449		N/A
22.043	75.0+77.0	t-1,3-Dichloropropene	160		N/A
22.559	97.0+99.0	1,1,2-Trichloroethane	992	1228	0.395
22.706	164.0+166.0	Tetrachloroethene	997	34770	37.671
22.981	76.0+41.0	1,3-Dichloropropane	199		N/A
17.440	41.0	Isobutyl alcohol	733		N/A
23.543	129.0+127.0	Dibromochloromethane	732		N/A
23.948	107.0+109.0	1,2-Dibromoethane	697		N/A
25.749	91.0	1-Chlorohexane	524		N/A
25.315	112.0+114.0	Chlorobenzene	280		N/A
25.481	106.0+91.0	Ethylbenzene	506		N/A
25.558	131.0+117.0	1,1,1,2-Tetrachloroethane	680	237	0.052
25.823	106.0+91.0	p,m-Xylenes	662		N/A
27.024	106.0+91.0	o-Xylene	772		N/A
27.106	104.0+78.0	Styrene	571		N/A
27.764	171.0+173.0+175.0	Bromoform	599		N/A

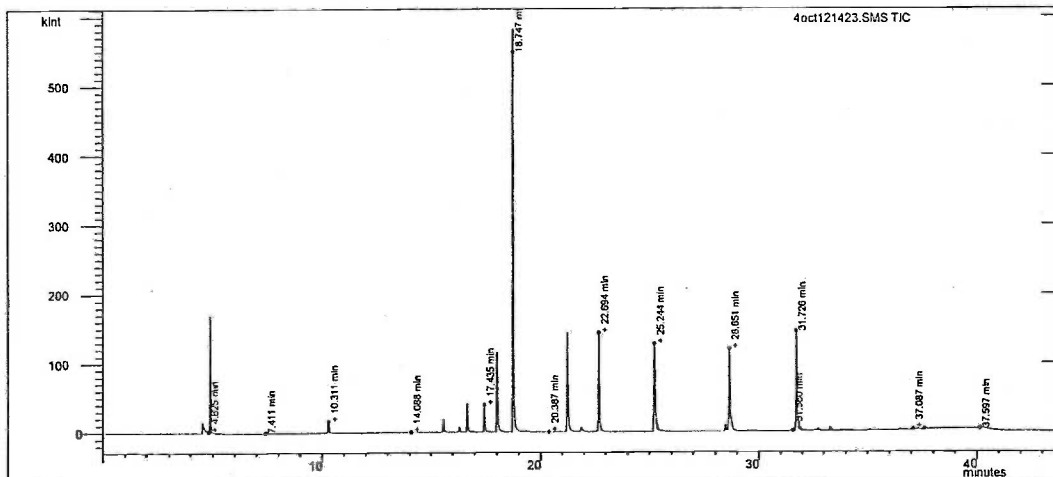
ALAB : 00302

RT	Quan Ions	Compound Name	R.Match	Area	Amount
28.000	105.0+120.0	Isopropylbenzene	782		N/A
28.489	75.0	cis-1,4-Dichloro-2-butene	472	423	1.127
28.650	95.0	p-Bromofluorobenzene (Surr4)	998	113750	26.624
29.090	83.0+85.0	1,1,2,2-Tetrachloroethane	397		N/A
29.088	77.0+158.0	Bromobenzene	760	186	0.018
29.148	91.0+120.0	n-Propylbenzene	788		N/A
29.229	75.0	trans-1,4-Dichloro-2-butene	721		N/A
29.231	75.0+110.0	1,2,3-Trichloropropane	661		N/A
29.517	91.0+126.0	2-Chlorotoluene	802		N/A
29.711	105.0+120.0	1,3,5-Trimethylbenzene	916	941	0.036
29.521	91.0+126.0	4-Chlorotoluene	775		N/A
30.485	119.0+91.0	tert-Butylbenzene	763		N/A
30.726	105.0+120.0	1,2,4-Trimethylbenzene	955	836	0.034
31.431	117.0	Pentachloroethane	509		N/A
31.111	105.0+134.0	sec-Butylbenzene	923	349	0.014
30.512	119.0	4-Isopropyltoluene	714	200	0.011
31.576	146.0+148.0	1,3-Dichlorobenzene	909	89	0.007
31.577	146.0+148.0	1,4-Dichlorobenzene	939	421	0.032
32.112	91.0	Benzyl Chloride	449		N/A
32.542	91.0+134.0	n-Butylbenzene	926	719	0.036
32.717	146.0+148.0	1,2-Dichlorobenzene	755		N/A
34.645	75.0+157.0	1,2-Dibromo-3-chloropropane	663		N/A
37.602	180.0+182.0	1,2,4-Trichlorobenzene	991	2400	0.282
36.683	225.0+226.0	Hexachlorobutadiene	900		N/A
37.088	128.0	Naphthalene	989	1903	0.301
37.605	180.0+182.0	1,2,3-Trichlorobenzene	990	2138	0.258

524 Volatile Organics

Associated Labs
GCMS # 4

Data File Name: c:\varianws\data\4oct12\4oct121423.S MS Calc Method: C:\VarianWS\methods\ms4_524_10181_2_35C.mth
Sample Name: 312080-014_10mL-7 Acquisition Date: 10/20/2012 12:23:12 PM
Inj. Notes: pH<2 Operator Name: NZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
18.017	96.0+70.0	Fluorobenzene (IS1)	896	199905	25.000
25.244	117.0	Chlorobenzene-d5(IS2)	994	171273	25.000
31.726	152.0	1,4-Dichlorobenzene-d4(IS3)	947	85555	25.000
4.825	85.0	Dichlorodifluoromethane	861	498	0.145
5.464	50.0+52.0+49.0	Chloromethane	617	119	0.039
5.812	62.0+64.0	Vinyl Chloride	760		N/A
7.014	94.0+45.0	Bromomethane	543		N/A
7.411	45.0+49.0	Chloroethane	478		N/A
8.281	101.0+103.0	Trichlorofluoromethane	903	85	0.011
9.497	59.0	Ethyl ether	547		N/A
10.232	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	916	679	0.151
11.202	56.0	Acrolein	468		N/A
10.311	96.0+61.0+98.0	1,1-Dichloroethene	904	41774	7.196
10.841	142.0	Iodomethane	775	25	0.008
10.823	43.0+58.0	Acetone	841	346	1.013
11.515	45.0	Isopropyl alcohol (2-Propanol)	750		N/A
10.957	76.0	Carbon disulfide	509		N/A
13.346	41.0	Acetonitrile	824		N/A
11.623	41.0+39.0	Allyl chloride	815		N/A
12.140	84.0+49.0+86.0	Methylene Chloride	868	1018	0.156
12.615	59.0	tert-Butanol	620		N/A
12.836	73.0	Methyl-tert-butyl-ether (MTBE)	852	274	0.074
12.825	61.0+96.0	1,1,2-Dichloroethene	923	825	0.119

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ALAB: 00304

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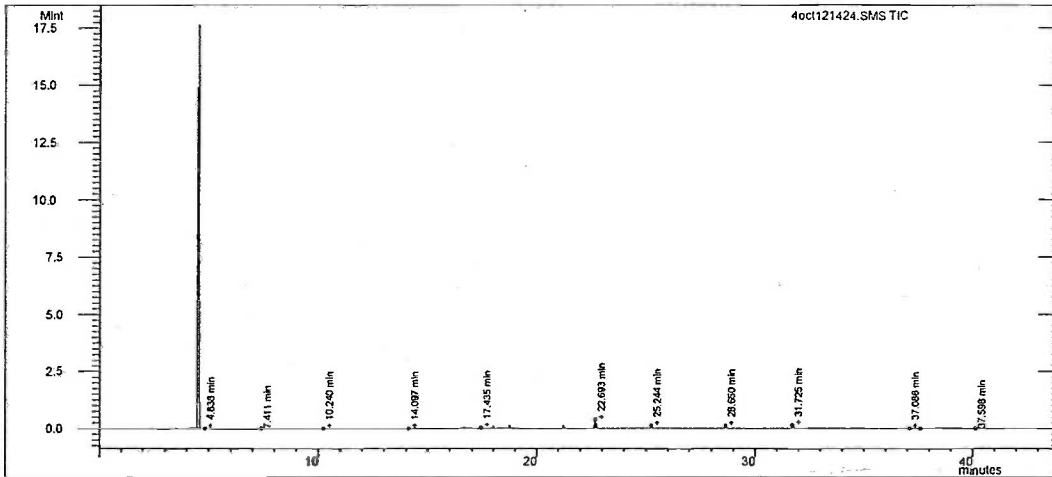
RT	Quan Ions	Compound Name	R.Match	Area	Amount
13.070	53.0	Acrylonitrile	447		N/A
13.360	41.0	n-Hexane	642		N/A
14.088	63.0	1,1-Dichloroethane	706	318	0.070
14.298	43.0	Vinyl acetate	452		N/A
14.055	45.0	Isopropyl ether	610		N/A
14.201	53.0	Chloroprene	472		N/A
14.968	59.0	Ethyl-tert-butyl-ether	294		N/A
15.440	77.0+41.0	2,2-Dichloropropane	479		N/A
15.573	61.0+96.0	c-1,2-Dichloroethene	950	33743	5.086
15.570	43.0+72.0	2-Butanone (MEK)	526	167	0.299
15.948	54.0	Propionitrile	266		N/A
16.300	130.0+49.0	Bromochloromethane	322	1040	0.263
17.528	39.0	Methacrylonitrile	519		N/A
16.298	83.0+85.0	Chloroform	994	15180	1.793
16.599	97.0+99.0	1,1,1-Trichloroethane	845	200	0.019
16.662	111.0	Dibromofluoromethane (Surr1)	993	41159	24.994
16.894	117.0+119.0	Carbon Tetrachloride	987	1935	0.229
16.239	42.0+72.0	Tetrahydrofuran	690	56	0.168
16.949	75.0+39.0	1,1-Dichloropropene	600		N/A
17.414	78.0	Benzene	687	229	0.034
17.435	65.0	1,2-Dichloroethane-d4 (Surr2)	984	63670	28.458
17.617	62.0+64.0	1,2-Dichloroethane	702	740	0.169
17.537	73.0+55.0+87.0	tert-Amyl-methyl-ether	387		N/A
18.747	130.0+132.0+95.0	Trichloroethene	997	897274	102.427
19.397	41.0	Methyl methacrylate	811		N/A
19.314	63.0+65.0	1,2-Dichloropropane	965	485	0.214
19.543	93.0+174.0	Dibromomethane	362		N/A
20.281	88.0	1,4-Dioxane	457		N/A
19.849	83.0+85.0	Bromodichloromethane	963	766	0.121
20.387	63.0+43.0	2-Chloroethyl vinyl ether	635	27	0.095
20.738	75.0+77.0+39.0	c-1,3-Dichloropropene	576		N/A
21.012	43.0+58.0	4-Methyl-2-pentanone	289		N/A
21.243	98.0	Toluene-d8 (Surr3)	997	225731	24.629
21.369	92.0+91.0	Toluene	240		N/A
22.013	69.0	Ethyl methacrylate	530		N/A
23.134	43.0+58.0+100.0	2-Hexanone	350	32	0.025
22.043	75.0+77.0	t-1,3-Dichloropropene	224		N/A
22.542	97.0+99.0	1,1,2-Trichloroethane	985	1142	0.348
22.694	164.0+166.0	Tetrachloroethene	997	32666	33.589
22.981	76.0+41.0	1,3-Dichloropropane	289		N/A
17.440	41.0	Isobutyl alcohol	369		N/A
23.543	129.0+127.0	Dibromochloromethane	785		N/A
23.948	107.0+109.0	1,2-Dibromoethane	323		N/A
25.749	91.0	1-Chlorohexane	548		N/A
25.315	112.0+114.0	Chlorobenzene	250		N/A
25.481	106.0+91.0	Ethylbenzene	561		N/A
25.549	131.0+117.0	1,1,1,2-Tetrachloroethane	559		N/A
25.823	106.0+91.0	p,m-Xylenes	721		N/A
27.024	106.0+91.0	o-Xylene	739		N/A
27.106	104.0+78.0	Styrene	420		N/A
27.764	171.0+173.0+175.0	Bromoform	466		N/A

RT	Quan Ions	Compound Name	R.Match	Area	Amount
28.000	105.0+120.0	Isopropylbenzene	748		N/A
28.485	75.0	cis-1,4-Dichloro-2-butene	576	461	1.235
28.651	95.0	p-Bromofluorobenzene (Surr4)	998	114216	26.897
29.090	83.0+85.0	1,1,2,2-Tetrachloroethane	489		N/A
29.044	77.0+158.0	Bromobenzene	801		N/A
29.148	91.0+120.0	n-Propylbenzene	716		N/A
29.229	75.0	trans-1,4-Dichloro-2-butene	586		N/A
29.231	75.0+110.0	1,2,3-Trichloropropane	706		N/A
29.517	91.0+126.0	2-Chlorotoluene	736		N/A
29.716	105.0+120.0	1,3,5-Trimethylbenzene	823	1064	0.041
29.521	91.0+126.0	4-Chlorotoluene	738		N/A
30.485	119.0+91.0	tert-Butylbenzene	755		N/A
30.726	105.0+120.0	1,2,4-Trimethylbenzene	941	980	0.040
31.431	117.0	Pentachloroethane	560		N/A
31.108	105.0+134.0	sec-Butylbenzene	898	690	0.027
30.520	119.0	4-Isopropyltoluene	695	127	0.007
31.581	146.0+148.0	1,3-Dichlorobenzene	910	390	0.030
31.580	146.0+148.0	1,4-Dichlorobenzene	922	427	0.032
32.112	91.0	Benzyl Chloride	557		N/A
32.474	91.0+134.0	n-Butylbenzene	943		N/A
32.756	146.0+148.0	1,2-Dichlorobenzene	786	398	0.032
34.645	75.0+157.0	1,2-Dibromo-3-chloropropane	625		N/A
37.597	180.0+182.0	1,2,4-Trichlorobenzene	986	2231	0.263
36.683	225.0+226.0	Hexachlorobutadiene	906		N/A
37.087	128.0	Naphthalene	971	2041	0.325
37.562	180.0+182.0	1,2,3-Trichlorobenzene	982		N/A

524 Volatile Organics

Associated Labs
GCMS # 4

Data File Name: c:\varianws\data\4oct12\4oct121424.S Calc Method: C:\VarianWS\methods\lms4_524_10181 MS
Sample Name: 312080-015_10mL-7 Acquisition Date: 10/20/2012 1:12:41 PM
Inj. Notes: pH<2 Operator Name: NZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
18.020	96.0+70.0	Fluorobenzene (IS1)	914	190918	25.000
25.244	117.0	Chlorobenzene-d5(IS2)	987	165174	25.000
31.725	152.0	1,4-Dichlorobenzene-d4(IS3)	941	86347	25.000
4.838	85.0	Dichlorodifluoromethane	579	90	0.027
5.446	50.0+52.0+49.0	Chloromethane	223		N/A
5.812	62.0+64.0	Vinyl Chloride	563		N/A
7.014	94.0+45.0	Bromomethane	600		N/A
7.411	45.0+49.0	Chloroethane	407		N/A
8.265	101.0+103.0	Trichlorofluoromethane	941	923	0.128
9.497	59.0	Ethyl ether	443		N/A
10.240	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	894	13595	3.177
11.202	56.0	Acrolein	572		N/A
10.317	96.0+61.0+98.0	1,1-Dichloroethene	948	7144	1.289
10.845	142.0	Iodomethane	775		N/A
10.828	43.0+58.0	Acetone	788	289	0.887
11.515	45.0	Isopropyl alcohol (2-Propanol)	747		N/A
10.957	76.0	Carbon disulfide	321		N/A
13.346	41.0	Acetonitrile	911		N/A
11.623	41.0+39.0	Allyl chloride	743		N/A
12.139	84.0+49.0+86.0	Methylene Chloride	889	566	0.091
12.615	59.0	tert-Butanol	416		N/A
12.835	73.0	Methyl-tert-butyl-ether (MTBE)	929	401	0.113
12.831	61.0+96.0	1,1,2-Dichloroethene	850	200	0.030

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4oct121424.SMS

ALAB: 00306

CONFIDENTIAL

LMC-PET-00001118

RT	Quan	Ions	Compound Name	R.Match	Area	Amount
13.070	53.0		Acrylonitrile	434		N/A
13.360	41.0		n-Hexane	541		N/A
14.097	63.0		1,1-Dichloroethane	828	644	0.148
14.298	43.0		Vinyl acetate	389		N/A
14.055	45.0		Isopropyl ether	628		N/A
14.201	53.0		Chloroprene	503		N/A
14.968	59.0		Ethyl-tert-butyl-ether	288		N/A
15.440	77.0+41.0		2,2-Dichloropropane	547		N/A
15.584	61.0+96.0		c-1,2-Dichloroethene	958	1357	0.214
15.719	43.0+72.0		2-Butanone (MEK)	556		N/A
15.948	54.0		Propionitrile	310		N/A
16.123	130.0+49.0		Bromochloromethane	297		N/A
17.528	39.0		Methacrylonitrile	429		N/A
16.297	83.0+85.0		Chloroform	992	16508	2.042
16.602	97.0+99.0		1,1,1-Trichloroethane	991	4992	0.503
16.661	111.0		Dibromofluoromethane (Surr1)	988	40526	25.768
16.889	117.0+119.0		Carbon Tetrachloride	982	3570	0.443
16.242	42.0+72.0		Tetrahydrofuran	746	273	0.861
16.949	75.0+39.0		1,1-Dichloropropene	624		N/A
17.378	78.0		Benzene	498		N/A
17.435	65.0		1,2-Dichloroethane-d4 (Surr2)	985	60109	28.131
17.623	62.0+64.0		1,2-Dichloroethane	612	1641	0.392
17.537	73.0+55.0+87.0		tert-Amyl-methyl-ether	413		N/A
18.755	130.0+132.0+95.0		Trichloroethene	996	191890	22.714
19.397	41.0		Methyl methacrylate	753		N/A
19.311	63.0+65.0		1,2-Dichloropropane	897	124	0.057
19.543	93.0+174.0		Dibromomethane	419		N/A
20.281	88.0		1,4-Dioxane	370		N/A
19.842	83.0+85.0		Bromodichloromethane	943	601	0.099
20.507	63.0+43.0		2-Chloroethyl vinyl ether	631	14	0.048
20.738	75.0+77.0+39.0		c-1,3-Dichloropropene	628		N/A
21.012	43.0+58.0		4-Methyl-2-pentanone	384		N/A
21.243	98.0		Toluene-d8 (Surr3)	998	221683	25.080
21.369	92.0+91.0		Toluene	266		N/A
22.013	69.0		Ethyl methacrylate	424		N/A
23.027	43.0+58.0+100.0		2-Hexanone	538		N/A
22.043	75.0+77.0		t-1,3-Dichloropropene	235		N/A
22.504	97.0+99.0		1,1,2-Trichloroethane	438		N/A
22.693	164.0+166.0		Tetrachloroethene	997	88705	94.579
22.981	76.0+41.0		1,3-Dichloropropane	251		N/A
17.440	41.0		Isobutyl alcohol	362		N/A
23.543	129.0+127.0		Dibromochloromethane	642		N/A
23.948	107.0+109.0		1,2-Dibromoethane	831		N/A
25.749	91.0		1-Chlorohexane	574		N/A
25.315	112.0+114.0		Chlorobenzene	234		N/A
25.481	106.0+91.0		Ethylbenzene	686		N/A
25.549	131.0+117.0		1,1,1,2-Tetrachloroethane	580		N/A
25.823	106.0+91.0		p,m-Xylenes	770		N/A
27.024	106.0+91.0		o-Xylene	758		N/A
27.315	104.0+78.0		Styrene	553	28	0.002
27.764	171.0+173.0+175.0		Bromoform	626		N/A

RT	Quan Ions	Compound Name	R.Match	Area	Amount
28.000	105.0+120.0	Isopropylbenzene	734		N/A
28.418	75.0	cis-1,4-Dichloro-2-butene	700		N/A
28.650	95.0	p-Bromofluorobenzene (Surr4)	999	108130	25.230
29.090	83.0+85.0	1,1,2,2-Tetrachloroethane	607		N/A
29.254	77.0+158.0	Bromobenzene	400	938	0.091
29.148	91.0+120.0	n-Propylbenzene	834		N/A
29.253	75.0	trans-1,4-Dichloro-2-butene	780	9962	5.733
29.253	75.0+110.0	1,2,3-Trichloropropane	842	14388	6.235
29.517	91.0+126.0	2-Chlorotoluene	764		N/A
29.729	105.0+120.0	1,3,5-Trimethylbenzene	830	801	0.031
29.521	91.0+126.0	4-Chlorotoluene	741		N/A
30.485	119.0+91.0	tert-Butylbenzene	767		N/A
30.724	105.0+120.0	1,2,4-Trimethylbenzene	910	647	0.026
31.431	117.0	Pentachloroethane	546		N/A
31.067	105.0+134.0	sec-Butylbenzene	894		N/A
30.483	119.0	4-Isopropyltoluene	770		N/A
31.577	146.0+148.0	1,3-Dichlorobenzene	903	401	0.030
31.580	146.0+148.0	1,4-Dichlorobenzene	888	410	0.031
32.112	91.0	Benzyl Chloride	608		N/A
32.539	91.0+134.0	n-Butylbenzene	906	658	0.033
32.769	146.0+148.0	1,2-Dichlorobenzene	866	741	0.059
34.645	75.0+157.0	1,2-Dibromo-3-chloropropane	785		N/A
37.598	180.0+182.0	1,2,4-Trichlorobenzene	981	1749	0.204
36.683	225.0+226.0	Hexachlorobutadiene	899		N/A
37.086	128.0	Naphthalene	988	1503	0.237
37.562	180.0+182.0	1,2,3-Trichlorobenzene	982		N/A

QC1130740

QC Batch ID

Created Date: 10/22/2012

Created By: nicollez

Matrix: Water

Test: 8260B Alab Low
Method: EPA 8260B
Instrument: VOA-MS (group)
Analysis Date: 10/20/2012

Analysis Employee:

Seq#	Sample ID	Customer Sample ID	QC Source	Sur Added	Spk Added	Init. Wt/Vol	Final Vol.	Extraction Date	Time	Comments
7	MSD_1		312080-006							

Initial Calib STD:	w#12090602
Calib Check STD:	w#12090602
Internal STD:	w#12090702
Surrogate STD:	w#12090702
LOS STD:	w#12090604
MS STD:	w#12090604

Solvent Manufacturer and Lot:	
Sand Manufacturer and Lot:	
Na2SO4 Manufacturer and Lot:	
Surrogate Lot:	
Spike Lot:	
Prep By Signature:	

Varian Star Workstation - RecalcList Mon Oct 22 10:45:46 2012

RecalcList: C:\VarianWS\8260list.rcl

Created: Wed Dec 01 10:37:29 2004
Modified: Mon Oct 22 10:45:41 2012

QC 1130740

Line	Sample Name	Data File
1	10ppb BFB tune 1	c:\varianws\data\4oct12\4oct121415.SMS
2	25ppb 524.2 ccv 1	c:\varianws\data\4oct12\4oct121416.SMS
3	25ppb 524.2 lcs 1	c:\varianws\data\4oct12\4oct121417.SMS
4	rinse	c:\varianws\data\4oct12\4oct121418.SMS
5	method blk 1	c:\varianws\data\4oct12\4oct121419.SMS
6	312080-006_10mL-7	c:\varianws\data\4oct12\4oct121420.SMS
7	312080-007_10mL-2	c:\varianws\data\4oct12\4oct121421.SMS
8	312080-013_10mL-9	c:\varianws\data\4oct12\4oct121422.SMS
9	312080-014_10mL-7	c:\varianws\data\4oct12\4oct121423.SMS
10	312080-015_10mL-7	c:\varianws\data\4oct12\4oct121424.SMS
11	312080-001_1mL-2	c:\varianws\data\4oct12\4oct121425.SMS
12	312080-011_10mL-1	c:\varianws\data\4oct12\4oct121426.SMS
13	312080-012_10mL-2	c:\varianws\data\4oct12\4oct121427.SMS
14	MSD_312080-006_10mL	c:\varianws\data\4oct12\4oct121428.SMS
15	MSD_312080-006_10mL	c:\varianws\data\4oct12\4oct121429.SMS
16	10ppb BFB tune 2	c:\varianws\data\4oct12\4oct121430.SMS
17	25ppb 524.2 ccv 2	c:\varianws\data\4oct12\4oct121431.SMS
18	25ppb 524.2 lcs 2	c:\varianws\data\4oct12\4oct121432.SMS
19	rinse	c:\varianws\data\4oct12\4oct121433.SMS
20	method blk 2	c:\varianws\data\4oct12\4oct121434.SMS
21	312080-002_10mL-1	c:\varianws\data\4oct12\4oct121435.SMS
22	312080-005_10mL-7	c:\varianws\data\4oct12\4oct121436.SMS
23	312251-002_10mL-1	c:\varianws\data\4oct12\4oct121437.SMS
24	312251-003_10mL-1	c:\varianws\data\4oct12\4oct121438.SMS
25	312251-001_10mL-1	c:\varianws\data\4oct12\4oct121439.SMS
26	312080-003_10mL-6	c:\varianws\data\4oct12\4oct121440.SMS
27	312080-004_10mL-9	c:\varianws\data\4oct12\4oct121441.SMS
28	312080-008_10mL-7	c:\varianws\data\4oct12\4oct121442.SMS
29	312080-009_10mL-7	c:\varianws\data\4oct12\4oct121443.SMS
30	312080-001_10mL-2	c:\varianws\data\4oct12\4oct121444.SMS
31	20ppb 524.2 ccv 3	c:\varianws\data\4oct12\4oct121445.SMS

#4 10/20 ~ 10/24/12 524.2

ALAB: 00310

WATER VOLATILE SURROGATE RECOVERY
EPA Method 8260A

Lab Name: Associated Labs

Contract:

Lab Code: # 4

Case No.:

SAS No:

SDG No:

EPA Sample No	S1 #	S2 #	S3 #	S4 #
4oct121415	0 D	0 D	0 D	621 *
4oct121416	104	110	99	100
4oct121417	101	107	102	103
4oct121418	103	112	104	110
4oct121419	103	113	97	107
4oct121420	103	113	105	108
4oct121421	99	111	103	106
4oct121422	98	106	105	106
4oct121423	100	114	99	108
4oct121424	103	113	100	101
4oct121425	102	108	103	105
4oct121426	100	108	105	108
4oct121427	99	109	104	109
4oct121428	102	110	101	98
4oct121429	100	108	100	99
4oct121430	0 D	0 D	36 *	563 *
4oct121431	99	106	102	102
4oct121432	102	106	99	97
4oct121433	101	112	104	109
4oct121434	102	108	103	110
4oct121435	105	113	102	116

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Page 1 of 2

Surrogate Recovery

ALAB: 00311

EPA Sample No S1 # S2 # S3 # S4 #
 4oct121436 104 113 101 108
 4oct121437 107 116 105 114
 4oct121438 106 117 100 114
 4oct121439 99 106 104 108
 4oct121440 104 115 104 110
 4oct121441 102 111 103 110
 4oct121442 107 111 103 115
 4oct121443 106 111 101 119
 4oct121444 104 115 100 113
 4oct121445 99 103 100 100

Replicates: 31 31 31 31
 Average: 96 103 97 364
 StdDev: 26 28 22 1065

QC Limits
 (70 - 135)
 (70 - 135)
 (70 - 135)
 (70 - 135)

S1 = Dibromofluoromethane (Surr1)
 S2 = 1,2-Dichloroethane-d4 (Surr2)
 S3 = Toluene-d8 (Surr3)
 S4 = p-Bromofluorobenzene (Surr4)
 # Column to be used to flag recovery values.

* Values outside of contract required QC Limits
 D System Monitoring Compound diluted out

ALAB : 00012

LMC-PET-00001125

10/22/2012 15:18

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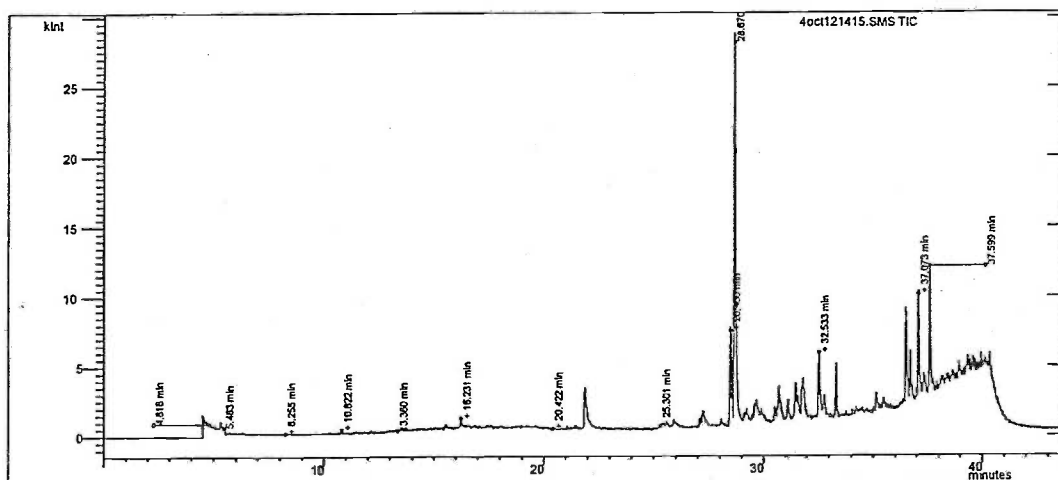
Surrogate Recovery

524 Volatile Organics

Associated Labs

GCMS # 4

Data File Name:	c:\varianws\data\4oct12\4oct121415.S	Calc Method:	C:\VarianWS\methods\ms4_524_10181
	MS		2_35C.mth
Sample Name:	10ppb BFB tune 1	Acquisition Date:	10/20/2012 5:49:08 AM
Inj. Notes:	w#12062102	Operator Name:	NZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
18.003	96.0+70.0	Fluorobenzene (IS1)	730		N/A
25.301	117.0	Chlorobenzene-d5(IS2)	914	261	25.000
31.772	152.0	1,4-Dichlorobenzene-d4(IS3)	884	913	25.000
4.818	85.0	Dichlorodifluoromethane	695		N/A
5.463	50.0+52.0+49.0	Chloromethane	303	85	84.948
5.790	62.0+64.0	Vinyl Chloride	806	15	15.218
7.014	94.0+45.0	Bromomethane	537		N/A
7.411	45.0+49.0	Chloroethane	579		N/A
8.255	101.0+103.0	Trichlorofluoromethane	821	98	97.504
9.497	59.0	Ethyl ether	536		N/A
10.209	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	620		N/A
11.202	56.0	Acrolein	612		N/A
10.323	96.0+61.0+98.0	1,1-Dichloroethene	727	63	63.080
10.845	142.0	Iodomethane	876		N/A
10.822	43.0+58.0	Acetone	867	721	720.760
11.515	45.0	Isopropyl alcohol (2-Propanol)	758		N/A
10.957	76.0	Carbon disulfide	641		N/A
13.346	41.0	Acetonitrile	863		N/A
11.623	41.0+39.0	Allyl chloride	748		N/A
12.143	84.0+49.0+86.0	Methylene Chloride	867	422	421.988
12.615	59.0	tert-Butanol	702		N/A
12.750	73.0	Methyl-tert-butyl-ether (MTBE)	502		N/A
12.831	61.0+96.0	1,1,2-Dichloroethene	659	94	93.979

RT	Quan Ions	Compound Name	R.Match	Area	Amount
13.070	53.0	Acrylonitrile	522		N/A
13.360	41.0	n-Hexane	597		N/A
14.068	63.0	1,1-Dichloroethane	664		N/A
14.298	43.0	Vinyl acetate	621		N/A
14.055	45.0	Isopropyl ether	809		N/A
14.201	53.0	Chloroprene	737		N/A
14.968	59.0	Ethyl-tert-butyl-ether	360		N/A
15.440	77.0+41.0	2,2-Dichloropropane	722		N/A
15.554	61.0+96.0	c-1,2-Dichloroethene	713		N/A
15.719	43.0+72.0	2-Butanone (MEK)	475		N/A
15.948	54.0	Propionitrile	308		N/A
16.142	130.0+49.0	Bromochloromethane	699	76	76.039
17.528	39.0	Methacrylonitrile	653		N/A
16.312	83.0+85.0	Chloroform	646	68	68.402
16.584	97.0+99.0	1,1,1-Trichloroethane	773		N/A
16.648	111.0	Dibromofluoromethane (Surr1)	477		N/A
16.861	117.0+119.0	Carbon Tetrachloride	660		N/A
16.231	42.0+72.0	Tetrahydrofuran	803	597	597.188
16.949	75.0+39.0	1,1-Dichloropropene	761		N/A
17.426	78.0	Benzene	791	144	143.531
17.418	65.0	1,2-Dichloroethane-d4 (Surr2)	681		N/A
17.581	62.0+64.0	1,2-Dichloroethane	729		N/A
17.537	73.0+55.0+87.0	tert-Amyl-methyl-ether	648		N/A
18.781	130.0+132.0+95.0	Trichloroethene	872	186	13.931
19.397	41.0	Methyl methacrylate	604		N/A
19.273	63.0+65.0	1,2-Dichloropropane	699		N/A
19.543	93.0+174.0	Dibromomethane	617		N/A
20.281	88.0	1,4-Dioxane	415		N/A
19.821	83.0+85.0	Bromodichloromethane	688		N/A
20.422	63.0+43.0	2-Chloroethyl vinyl ether	585	34	77.344
20.738	75.0+77.0+39.0	c-1,3-Dichloropropene	592		N/A
21.126	43.0+58.0	4-Methyl-2-pentanone	716	31	11.381
21.222	98.0	Toluene-d8 (Surr3)	862		N/A
21.455	92.0+91.0	Toluene	945	383	11.652
22.013	69.0	Ethyl methacrylate	309		N/A
23.027	43.0+58.0+100.0	2-Hexanone	543		N/A
22.043	75.0+77.0	t-1,3-Dichloropropene	220		N/A
22.504	97.0+99.0	1,1,2-Trichloroethane	625		N/A
22.669	164.0+166.0	Tetrachloroethene	843		N/A
22.981	76.0+41.0	1,3-Dichloropropane	788		N/A
17.440	41.0	Isobutyl alcohol	498		N/A
23.543	129.0+127.0	Dibromochloromethane	670		N/A
24.095	107.0+109.0	1,2-Dibromoethane	592	33	5.148
25.749	91.0	1-Chlorohexane	664		N/A
25.436	112.0+114.0	Chlorobenzene	765	195	9.248
25.481	106.0+91.0	Ethylbenzene	758		N/A
25.549	131.0+117.0	1,1,1,2-Tetrachloroethane	541		N/A
25.913	106.0+91.0	p,m-Xylenes	975	831	3.592
27.092	106.0+91.0	o-Xylene	770	809	3.453
27.238	104.0+78.0	Styrene	940	1694	12.034
27.809	171.0+173.0+175.0	Bromoform	623	38	1.658

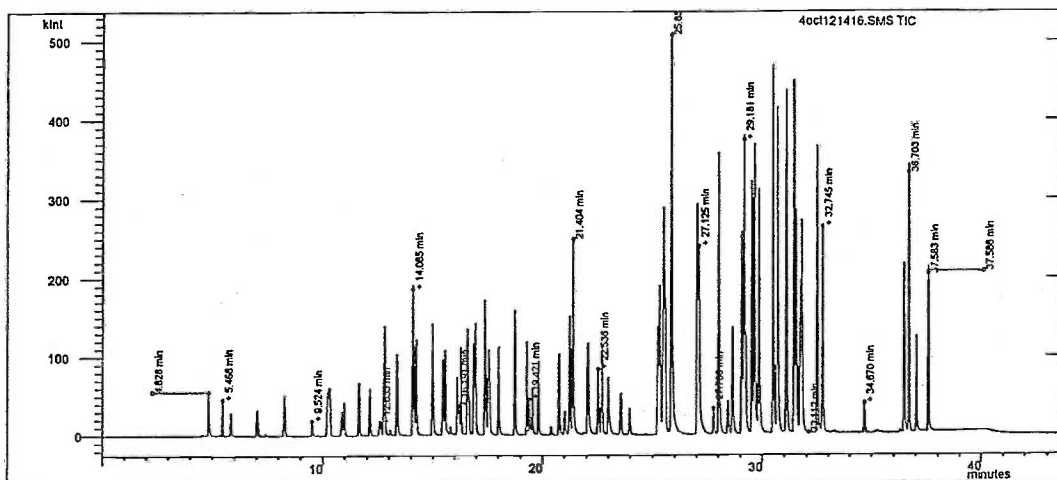
RT	Quan Ions	Compound Name	R.Match	Area	Amount
28.067	105.0+120.0	Isopropylbenzene	926	883	3.526
28.480	75.0	cis-1,4-Dichloro-2-butene	788	297	74.766
28.670	95.0	p-Bromofluorobenzene (Surr4)	998	29676	655.202
29.104	83.0+85.0	1,1,2,2-Tetrachloroethane	757	97	2.735
29.100	77.0+158.0	Bromobenzene	893	534	4.912
29.232	91.0+120.0	n-Propylbenzene	911	1953	6.685
29.229	75.0	trans-1,4-Dichloro-2-butene	647		N/A
29.231	75.0+110.0	1,2,3-Trichloropropane	737		N/A
29.594	91.0+126.0	2-Chlorotoluene	964	855	4.599
29.686	105.0+120.0	1,3,5-Trimethylbenzene	971	6165	22.491
29.593	91.0+126.0	4-Chlorotoluene	936	821	4.563
30.522	119.0+91.0	tert-Butylbenzene	884	2128	6.320
30.712	105.0+120.0	1,2,4-Trimethylbenzene	991	3526	13.431
31.431	117.0	Pentachloroethane	378		N/A
31.111	105.0+134.0	sec-Butylbenzene	966	2919	10.724
30.520	119.0	4-Isopropyltoluene	870	1185	5.957
31.595	146.0+148.0	1,3-Dichlorobenzene	954	1324	9.425
31.595	146.0+148.0	1,4-Dichlorobenzene	971	1210	8.574
32.112	91.0	Benzyl Chloride	655		N/A
32.533	91.0+134.0	n-Butylbenzene	992	8395	39.662
32.781	146.0+148.0	1,2-Dichlorobenzene	990	3071	23.081
34.645	75.0+157.0	1,2-Dibromo-3-chloropropane	758		N/A
37.598	180.0+182.0	1,2,4-Trichlorobenzene	994	10711	118.506
36.706	225.0+226.0	Hexachlorobutadiene	962	1445	24.084
37.073	128.0	Naphthalene	995	9841	146.734
37.599	180.0+182.0	1,2,3-Trichlorobenzene	995	9929	113.245

524 Volatile Organics

Associated Labs

GCMS # 4

Data File Name: c:\varianws\data\4oct12\4oct121416.S Calc Method: C:\VarianWS\methods\ms4_524_10181 MS 2_35C.mth
Sample Name: 25ppb 524.2 ccv 1 Acquisition Date: 10/20/2012 6:39:23 AM
Inj. Notes: w#12090602 Operator Name: NZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
18.024	96.0+70.0	Fluorobenzene (IS1)	915	192439	25.000
25.252	117.0	Chlorobenzene-d5(IS2)	994	168058	25.000
31.727	152.0	1,4-Dichlorobenzene-d4(IS3)	977	92949	25.000
4.828	85.0	Dichlorodifluoromethane	869	90271	27.248
5.466	50.0+52.0+49.0	Chloromethane	992	82074	28.102
5.829	62.0+64.0	Vinyl Chloride	998	74043	25.530 ✓
7.033	94.0+45.0	Bromomethane	937	26404	23.421
7.417	45.0+49.0	Chloroethane	717	4133	21.534
8.265	101.0+103.0	Trichlorofluoromethane	980	183441	25.222
9.524	59.0	Ethyl ether	956	17393	26.393
10.238	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	926	108168	25.078
11.202	56.0	Acrolein	508		N/A
10.318	96.0+61.0+98.0	1,1-Dichloroethene	959	144171	25.800 ✓
10.876	142.0	Iodomethane	937	100514	24.590
10.814	43.0+58.0	Acetone	892	7179	21.846
11.515	45.0	Isopropyl alcohol (2-Propanol)	799		N/A
10.985	76.0	Carbon disulfide	693	111607	24.159
13.379	41.0	Acetonitrile	706	114112	27.929
11.651	41.0+39.0	Allyl chloride	940	177415	21.719
12.146	84.0+49.0+86.0	Methylene Chloride	905	127134	20.175
12.635	59.0	tert-Butanol	943	18787	137.558
12.783	73.0	Methyl-tert-butyl-ether (MTBE)	984	96047	26.804 ✓
12.823	61.0+96.0	1,1,2-Dichloroethene	977	178466	26.655

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Page 1 of 3 524 Volatile Organics

4oct121416.SMS

ALAB : 000316

CONFIDENTIAL

LMC-PET-00001129

RT	Quan	Ions	Compound Name	R.Match	Area	Amount
13.087		53.0	Acrylonitrile	973	5297	23.931
13.379		41.0	n-Hexane	997	114118	27.860
14.090		63.0	1,1-Dichloroethane	975	124193	28.377
14.298		43.0	Vinyl acetate	170		N/A
14.085		45.0	Isopropyl ether	955	190569	30.333
14.229		53.0	Chloroprene	997	133171	28.699
14.988		59.0	Ethyl-tert-butyl-ether	988	202532	28.288
15.466		77.0+41.0	2,2-Dichloropropane	997	146593	24.910
15.573		61.0+96.0	c-1,2-Dichloroethene	993	183397	28.715
15.676		43.0+72.0	2-Butanone (MEK)	885	14209	26.454
15.954		54.0	Propionitrile	883	2317	25.370
16.136		130.0+49.0	Bromochloromethane	998	105038	27.616
17.556		39.0	Methacrylonitrile	342	26050	27.234
16.295		83.0+85.0	Chloroform	997	217842	26.733 ✓
16.598		97.0+99.0	1,1,1-Trichloroethane	997	264386	26.448
16.668		111.0	Dibromofluoromethane (Surr1)	983	41252	26.022
16.891		117.0+119.0	Carbon Tetrachloride	990	213864	26.317
16.191		42.0+72.0	Tetrahydrofuran	656	8510	26.650
16.966		75.0+39.0	1,1-Dichloropropene	998	169255	27.074
17.399		78.0	Benzene	988	182027	27.828 ✓
17.440		65.0	1,2-Dichloroethane-d4 (Surr2)	976	59364	27.563
17.605		62.0+64.0	1,2-Dichloroethane	996	121453	28.750
17.554		73.0+55.0+87.0	tert-Amyl-methyl-ether	997	195669	27.917
18.762		130.0+132.0+95.0	Trichloroethene	996	228654	26.601 ✓
19.421		41.0	Methyl methacrylate	998	38376	30.694
19.298		63.0+65.0	1,2-Dichloropropane	998	61706	27.777 ✓
19.568		93.0+174.0	Dibromomethane	992	73686	26.698
20.281		88.0	1,4-Dioxane	387		N/A
19.840		83.0+85.0	Bromodichloromethane	998	161796	26.060
20.420		63.0+43.0	2-Chloroethyl vinyl ether	505	7366	25.853
20.765		75.0+77.0+39.0	c-1,3-Dichloropropene	956	171008	26.143
21.035		43.0+58.0	4-Methyl-2-pentanone	995	49037	27.918
21.251		98.0	Toluene-d8 (Surr3)	997	222984	24.794
21.404		92.0+91.0	Toluene	998	567451	26.755 ✓
22.048		69.0	Ethyl methacrylate	995	31236	25.172
23.068		43.0+58.0+100.0	2-Hexanone	992	30031	24.197
22.077		75.0+77.0	t-1,3-Dichloropropene	983	81390	26.293
22.536		97.0+99.0	1,1,2-Trichloroethane	998	88922	27.632
22.701		164.0+166.0	Tetrachloroethene	997	24775	25.962 ✓
22.999		76.0+41.0	1,3-Dichloropropane	998	127303	27.009
17.440		41.0	Isobutyl alcohol	234		N/A
23.569		129.0+127.0	Dibromochloromethane	996	106275	26.115
23.964		107.0+109.0	1,2-Dibromoethane	998	109964	26.823
25.749		91.0	1-Chlorohexane	980		N/A
25.334		112.0+114.0	Chlorobenzene	993	348352	25.642 ✓
25.504		106.0+91.0	Ethylbenzene	995	674721	27.336 ✓
25.572		131.0+117.0	1,1,1,2-Tetrachloroethane	996	137717	27.936
25.854		106.0+91.0	p,m-Xylenes	998	1.309E6	55.531 ✓
27.048		106.0+91.0	o-Xylene	997	655383	27.461 ✓
27.125		104.0+78.0	Styrene	997	402483	28.067
27.786		171.0+173.0+175.0	Bromoform	989	59957	25.368

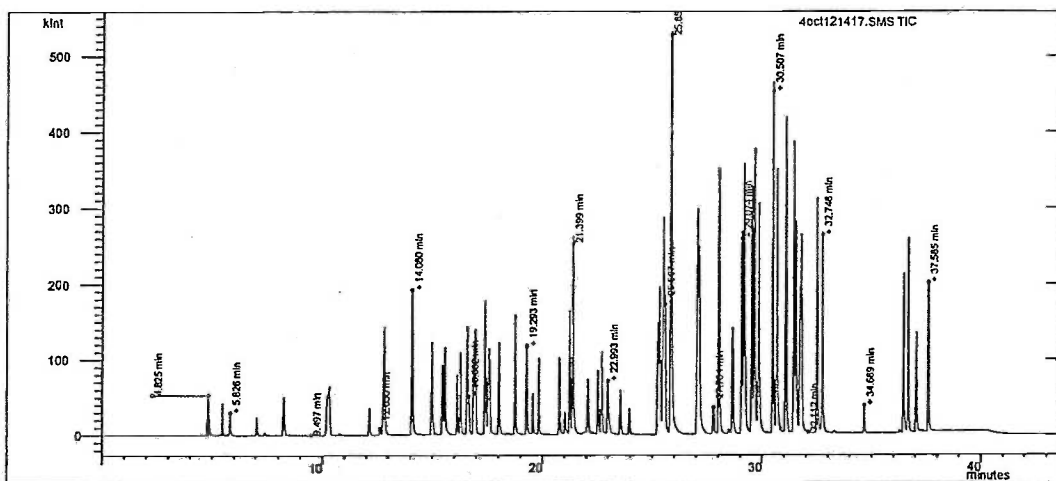
RT	Quan Ions	Compound Name	R.Match	Area	Amount
28.030	105.0+120.0	Isopropylbenzene	992	698000	27.348
28.451	75.0	cis-1,4-Dichloro-2-butene	997	9912	24.458
28.655	95.0	p-Bromofluorobenzene (Surr4)	998	115501	25.036
29.088	83.0+85.0	1,1,2,2-Tetrachloroethane	996	96217	26.514
29.075	77.0+158.0	Bromobenzene	992	297410	26.877
29.181	91.0+120.0	n-Propylbenzene	996	818835	27.517
29.252	75.0	trans-1,4-Dichloro-2-butene	993	51830	27.707
29.252	75.0+110.0	1,2,3-Trichloropropane	985	67245	27.070
29.544	91.0+126.0	2-Chlorotoluene	998	490718	25.927
29.663	105.0+120.0	1,3,5-Trimethylbenzene	997	722414	25.872
29.544	91.0+126.0	4-Chlorotoluene	995	489178	26.710
30.508	119.0+91.0	tert-Butylbenzene	885	929365	27.093
30.683	105.0+120.0	1,2,4-Trimethylbenzene	997	664544	24.851
31.447	117.0	Pentachloroethane	432	92381	25.454
31.087	105.0+134.0	sec-Butylbenzene	990	753019	27.159
30.505	119.0	4-Isopropyltoluene	894	539907	26.636
31.547	146.0+148.0	1,3-Dichlorobenzene	998	377932	26.409
31.546	146.0+148.0	1,4-Dichlorobenzene	996	381609	26.542
32.112	91.0	Benzyl Chloride	558		N/A
32.498	91.0+134.0	n-Butylbenzene	997	532302	24.690
32.745	146.0+148.0	1,2-Dichlorobenzene	997	359515	26.524
34.670	75.0+157.0	1,2-Dibromo-3-chloropropane	982	38695	26.392
37.583	180.0+182.0	1,2,4-Trichlorobenzene	990	212330	23.063
36.703	225.0+226.0	Hexachlorobutadiene	973	148772	24.344
37.046	128.0	Naphthalene	996	164288	24.050
37.586	180.0+182.0	1,2,3-Trichlorobenzene	996	207624	23.247

524 Volatile Organics

Associated Labs

GCMS # 4

Data File Name: c:\varianws\data\4oct12\4oct121417.S MS Calc Method: C:\VarianWS\methods\ms4_524_10181_2_35C.mth
Sample Name: 25ppb 524.2 lcs 1 Acquisition Date: 10/20/2012 7:28:44 AM
Inj. Notes: w#12090604 Operator Name: NZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
18.026	96.0+70.0	Fluorobenzene (IS1)	924	209297	25.000
25.245	117.0	Chlorobenzene-d5(IS2)	996	178516	25.000
31.727	152.0	1,4-Dichlorobenzene-d4(IS3)	968	96402	25.000
4.825	85.0	Dichlorodifluoromethane	857	88869	24.664
5.460	50.0+52.0+49.0	Chloromethane	989	78044	24.570
5.826	62.0+64.0	Vinyl Chloride	998	83065	26.334
7.028	94.0+45.0	Bromomethane	978	20953	17.088
7.411	45.0+49.0	Chloroethane	799	4353	20.853
8.261	101.0+103.0	Trichlorofluoromethane	980	185451	23.445
9.497	59.0	Ethyl ether	576		N/A
10.235	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	918	104101	22.192
11.202	56.0	Acrolein	546		N/A
10.315	96.0+61.0+98.0	1,1-Dichloroethene	961	155983	25.665
10.870	142.0	Iodomethane	935	1276	0.287
10.805	43.0+58.0	Acetone	907	6870	19.222
11.515	45.0	Isopropyl alcohol (2-Propanol)	788		N/A
10.957	76.0	Carbon disulfide	843		N/A
13.346	41.0	Acetonitrile	930		N/A
11.623	41.0+39.0	Allyl chloride	706		N/A
12.141	84.0+49.0+86.0	Methylene Chloride	992	69021	10.071
12.630	59.0	tert-Butanol	960	16944	114.070
12.776	73.0	Methyl-tert-butyl-ether (MTBE)	976	95537	24.514
12.812	61.0+96.0	1,2-Dichloroethene	963	191582	26.309

ALAB: 00319

RT	Quan	Ions	Compound Name	R.Match	Area	Amount
13.070	53.0		Acrylonitrile	537		N/A
13.360	41.0		n-Hexane	846		N/A
14.086	63.0		1,1-Dichloroethane	973	124369	26.128
14.298	43.0		Vinyl acetate	668		N/A
14.080	45.0		Isopropyl ether	980	198220	29.009
14.201	53.0		Chloroprene	61		N/A
14.982	59.0		Ethyl-tert-butyl-ether	991	206874	26.567
15.464	77.0+41.0		2,2-Dichloropropane	998	140303	21.921
15.568	61.0+96.0		c-1,2-Dichloroethene	985	196137	28.236
15.672	43.0+72.0		2-Butanone (MEK)	645	12562	21.504
15.948	54.0		Propionitrile	527		N/A
16.131	130.0+49.0		Bromochloromethane	997	109533	26.478
17.551	39.0		Methacrylonitrile	312	22657	21.779
16.291	83.0+85.0		Chloroform	993	224458	25.327
16.593	97.0+99.0		1,1,1-Trichloroethane	997	279149	25.676
16.662	111.0		Dibromofluoromethane (Surr1)	984	43385	25.164
16.887	117.0+119.0		Carbon Tetrachloride	990	217485	24.607
16.221	42.0+72.0		Tetrahydrofuran	687	276	0.794
16.962	75.0+39.0		1,1-Dichloropropene	998	170872	25.132
17.395	78.0		Benzene	993	184759	25.970
17.438	65.0		1,2-Dichloroethane-d4 (Surr2)	978	62644	26.743
17.601	62.0+64.0		1,2-Dichloroethane	996	124909	27.186
17.552	73.0+55.0+87.0		tert-Amyl-methyl-ether	996	201162	26.389
18.756	130.0+132.0+95.0		Trichloroethene	995	226652	24.823
19.293	41.0		Methyl methacrylate	757	45108	33.965
19.292	63.0+65.0		1,2-Dichloropropane	998	64646	27.396
19.564	93.0+174.0		Dibromomethane	992	71232	24.297
20.281	88.0		1,4-Dioxane	498		N/A
19.833	83.0+85.0		Bromodichloromethane	998	178580	27.078
20.393	63.0+43.0		2-Chloroethyl vinyl ether	545		N/A
20.761	75.0+77.0+39.0		c-1,3-Dichloropropene	955	175590	25.271
21.030	43.0+58.0		4-Methyl-2-pentanone	996	48619	26.059
21.246	98.0		Toluene-d8 (Surr3)	996	243223	25.460
21.399	92.0+91.0		Toluene	998	583243	25.889
21.996	69.0		Ethyl methacrylate	788	1388	1.053
23.064	43.0+58.0+100.0		2-Hexanone	988	30874	23.419
22.070	75.0+77.0		t-1,3-Dichloropropene	991	81369	24.747
22.535	97.0+99.0		1,1,2-Trichloroethane	998	88831	25.987
22.698	164.0+166.0		Tetrachloroethene	997	23236	22.923
22.993	76.0+41.0		1,3-Dichloropropane	997	132394	26.444
17.440	41.0		Isobutyl alcohol	226		N/A
23.562	129.0+127.0		Dibromochloromethane	997	113007	26.143
23.958	107.0+109.0		1,2-Dibromoethane	999	114515	26.297
25.749	91.0		1-Chlorohexane	977		N/A
25.332	112.0+114.0		Chlorobenzene	994	367457	25.464
25.499	106.0+91.0		Ethylbenzene	996	673689	26.316
25.567	131.0+117.0		1,1,1,2-Tetrachloroethane	997	143856	28.136
25.851	106.0+91.0		p,m-Xylenes	998	1.333E6	54.528
27.046	106.0+91.0		o-Xylene	998	676989	27.351
27.124	104.0+78.0		Styrene	997	408112	27.440
27.784	171.0+173.0+175.0		Bromoform	987	62215	25.381

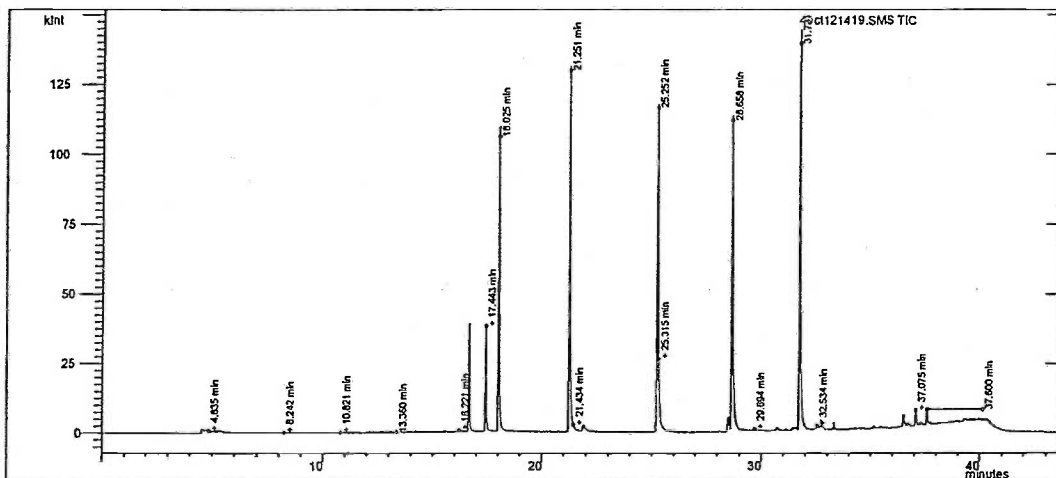
RT	Quan Ions	Compound Name	R.Match	Area	Amount
28.031	105.0+120.0	Isopropylbenzene	992	684636	25.863
28.418	75.0	cis-1,4-Dichloro-2-butene	767		N/A
28.652	95.0	p-Bromofluorobenzene (Surr4)	999	122787	25.662
29.087	83.0+85.0	1,1,2,2-Tetrachloroethane	996	97381	25.874
29.074	77.0+158.0	Bromobenzene	996	310609	27.065
29.180	91.0+120.0	n-Propylbenzene	996	772139	25.018
29.246	75.0	trans-1,4-Dichloro-2-butene	870	42121	21.710
29.249	75.0+110.0	1,2,3-Trichloropropane	938	57339	22.256
29.543	91.0+126.0	2-Chlorotoluene	998	504455	25.699
29.661	105.0+120.0	1,3,5-Trimethylbenzene	997	741634	25.610
29.543	91.0+126.0	4-Chlorotoluene	995	502261	26.443
30.507	119.0+91.0	tert-Butylbenzene	881	917588	25.792
30.684	105.0+120.0	1,2,4-Trimethylbenzene	998	619750	22.346
31.448	117.0	Pentachloroethane	401	82955	22.038
31.090	105.0+134.0	sec-Butylbenzene	990	712223	24.768
30.504	119.0	4-Isopropyltoluene	890	534382	25.420
31.548	146.0+148.0	1,3-Dichlorobenzene	996	379998	25.603
31.546	146.0+148.0	1,4-Dichlorobenzene	996	372410	24.975
32.112	91.0	Benzyl Chloride	675		N/A
32.501	91.0+134.0	n-Butylbenzene	996	474572	21.224
32.746	146.0+148.0	1,2-Dichlorobenzene	996	364954	25.961
34.669	75.0+157.0	1,2-Dibromo-3-chloropropane	974	38069	25.036
37.582	180.0+182.0	1,2,4-Trichlorobenzene	988	209499	21.940
36.702	225.0+226.0	Hexachlorobutadiene	976	116951	18.452
37.048	128.0	Naphthalene	996	173257	24.455
37.585	180.0+182.0	1,2,3-Trichlorobenzene	996	204893	22.120

524 Volatile Organics

Associated Labs

GCMS # 4

Data File Name: c:\varianws\data\4oct12\4oct121419.S MS Calc Method: C:\VarianWS\methods\ms4_524_10181 2_35C.mth
Sample Name: method blk 1 Acquisition Date: 10/20/2012 9:07:34 AM
Inj. Notes: w#12090702 Operator Name: NZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
18.025	96.0+70.0	Fluorobenzene (IS1)	904	183410	25.000
25.252	117.0	Chlorobenzene-d5(IS2)	986	160331	25.000
31.731	152.0	1,4-Dichlorobenzene-d4(IS3)	963	80354	25.000
4.835	85.0	Dichlorodifluoromethane	586	33	0.010
5.446	50.0+52.0+49.0	Chloromethane	219		N/A
5.812	62.0+64.0	Vinyl Chloride	749		N/A
7.014	94.0+45.0	Bromomethane	620		N/A
7.411	45.0+49.0	Chloroethane	519		N/A
8.242	101.0+103.0	Trichlorofluoromethane	766	36	0.005
9.497	59.0	Ethyl ether	570		N/A
10.212	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	329	20	0.005
11.202	56.0	Acrolein	471		N/A
10.176	96.0+61.0+98.0	1,1-Dichloroethene	527	20	0.004
10.845	142.0	Iodomethane	775		N/A
10.821	43.0+58.0	Acetone	839	448	1.429
11.515	45.0	Isopropyl alcohol (2-Propanol)	771		N/A
10.957	76.0	Carbon disulfide	626		N/A
13.346	41.0	Acetonitrile	700		N/A
11.623	41.0+39.0	Allyl chloride	671		N/A
12.149	84.0+49.0+86.0	Methylene Chloride	894	516	0.086
12.615	59.0	tert-Butanol	667		N/A
12.750	73.0	Methyl-tert-butyl-ether (MTBE)	601		N/A
12.837	61.0+96.0	t-1,2-Dichloroethene	617	38	0.006

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4oct121419.SMS

ALAB : 00322

CONFIDENTIAL

LMC-PET-00001135

RT	Quan	Ions	Compound Name	R.Match	Area	Amount
13.070	53.0		Acrylonitrile	304		N/A
13.360	41.0		n-Hexane	616		N/A
14.068	63.0		1,1-Dichloroethane	533		N/A
14.298	43.0		Vinyl acetate	421		N/A
14.055	45.0		Isopropyl ether	574		N/A
14.201	53.0		Chloroprene	519		N/A
14.968	59.0		Ethyl-tert-butyl-ether	295		N/A
15.440	77.0+41.0		2,2-Dichloropropane	569		N/A
15.607	61.0+96.0		c-1,2-Dichloroethene	711	19	0.003
15.719	43.0+72.0		2-Butanone (MEK)	637		N/A
15.948	54.0		Propionitrile	314		N/A
16.153	130.0+49.0		Bromochloromethane	541	66	0.018
17.528	39.0		Methacrylonitrile	433		N/A
16.261	83.0+85.0		Chloroform	708		N/A
16.584	97.0+99.0		1,1,1-Trichloroethane	526		N/A
16.669	111.0		Dibromofluoromethane (Surr1)	987	38842	25.708
16.861	117.0+119.0		Carbon Tetrachloride	604		N/A
16.221	42.0+72.0		Tetrahydrofuran	750	466	1.532
16.949	75.0+39.0		1,1-Dichloropropene	685		N/A
17.378	78.0		Benzene	527		N/A
17.443	65.0		1,2-Dichloroethane-d4 (Surr2)	983	58097	28.303
17.581	62.0+64.0		1,2-Dichloroethane	260		N/A
17.537	73.0+55.0+87.0		tert-Amyl-methyl-ether	504		N/A
18.738	130.0+132.0+95.0		Trichloroethene	778		N/A
19.397	41.0		Methyl methacrylate	667		N/A
19.273	63.0+65.0		1,2-Dichloropropane	664		N/A
19.543	93.0+174.0		Dibromomethane	560		N/A
20.281	88.0		1,4-Dioxane	460		N/A
19.821	83.0+85.0		Bromodichloromethane	520		N/A
20.393	63.0+43.0		2-Chloroethyl vinyl ether	511		N/A
20.738	75.0+77.0+39.0		c-1,3-Dichloropropene	532		N/A
21.012	43.0+58.0		4-Methyl-2-pentanone	406		N/A
21.251	98.0		Toluene-d8 (Surr3)	997	207779	24.217
21.434	92.0+91.0		Toluene	305	567	0.028
22.013	69.0		Ethyl methacrylate	206		N/A
23.027	43.0+58.0+100.0		2-Hexanone	532		N/A
22.106	75.0+77.0		t-1,3-Dichloropropene	300	72	0.024
22.504	97.0+99.0		1,1,2-Trichloroethane	449		N/A
22.669	164.0+166.0		Tetrachloroethene	688		N/A
22.981	76.0+41.0		1,3-Dichloropropane	579		N/A
17.440	41.0		Isobutyl alcohol	378		N/A
23.543	129.0+127.0		Dibromochloromethane	467		N/A
23.948	107.0+109.0		1,2-Dibromoethane	641		N/A
25.749	91.0		1-Chlorohexane	569		N/A
25.315	112.0+114.0		Chlorobenzene	260		N/A
25.481	106.0+91.0		Ethylbenzene	674		N/A
25.549	131.0+117.0		1,1,1,2-Tetrachloroethane	278		N/A
25.823	106.0+91.0		p,m-Xylenes	859		N/A
27.024	106.0+91.0		o-Xylene	748		N/A
27.253	104.0+78.0		Styrene	682	34	0.003
27.764	171.0+173.0+175.0		Bromoform	646		N/A

RT	Quan Ions	Compound Name	R.Match	Area	Amount
28.072	105.0+120.0	Isopropylbenzene	824	183	0.008
28.418	75.0	cis-1,4-Dichloro-2-butene	618		N/A
28.658	95.0	p-Bromofluorobenzene (Surr4)	999	106978	26.823
29.090	83.0+85.0	1,1,2,2-Tetrachloroethane	707		N/A
29.044	77.0+158.0	Bromobenzene	930		N/A
29.148	91.0+120.0	n-Propylbenzene	855		N/A
29.229	75.0	trans-1,4-Dichloro-2-butene	591		N/A
29.231	75.0+110.0	1,2,3-Trichloropropane	613		N/A
29.517	91.0+126.0	2-Chlorotoluene	743		N/A
29.694	105.0+120.0	1,3,5-Trimethylbenzene	953	2681	0.111
29.521	91.0+126.0	4-Chlorotoluene	757		N/A
30.511	119.0+91.0	tert-Butylbenzene	816	403	0.014
30.726	105.0+120.0	1,2,4-Trimethylbenzene	990	1442	0.062
31.431	117.0	Pentachloroethane	623		N/A
31.107	105.0+134.0	sec-Butylbenzene	942	962	0.040
30.526	119.0	4-Isopropyltoluene	814	239	0.014
31.590	146.0+148.0	1,3-Dichlorobenzene	943	570	0.046
31.592	146.0+148.0	1,4-Dichlorobenzene	946	840	0.068
32.112	91.0	Benzyl Chloride	699		N/A
32.534	91.0+134.0	n-Butylbenzene	957	2567	0.138
32.775	146.0+148.0	1,2-Dichlorobenzene	874	1009	0.086
34.645	75.0+157.0	1,2-Dibromo-3-chloropropane	675		N/A
37.599	180.0+182.0	1,2,4-Trichlorobenzene	989	7107	0.893
36.683	225.0+226.0	Hexachlorobutadiene	946		N/A
37.075	128.0	Naphthalene	995	7113	1.204
37.600	180.0+182.0	1,2,3-Trichlorobenzene	993	6212	0.805

524 Volatile Organics

Associated Labs

GCMS # 4

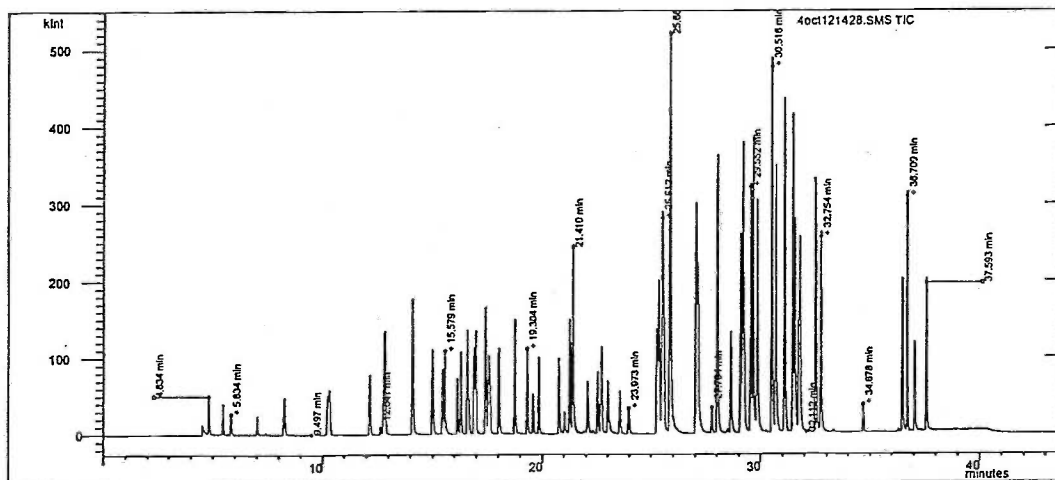
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SMS 2_35C.mth

Sample Name: MS_312080-006_10mL

Acquisition Date: 10/20/2012 4:29:46 PM

Inj. Notes: w#12090604 pH<2

Operator Name: NZ



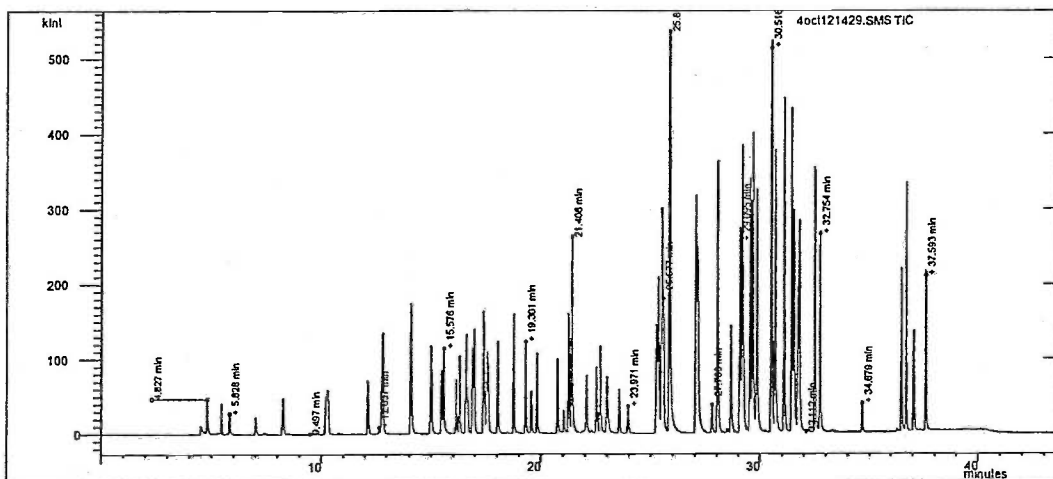
RT	Quan Ions	Compound Name	R.Match	Area	Amount
18.036	96.0+70.0	Fluorobenzene (IS1)	909	190502	25.000
25.259	117.0	Chlorobenzene-d5(IS2)	985	169520	25.000
31.737	152.0	1,4-Dichlorobenzene-d4(IS3)	960	92732	25.000
4.834	85.0	Dichlorodifluoromethane	670	80632	24.586
5.469	50.0+52.0+49.0	Chloromethane	989	70142	24.261
5.834	62.0+64.0	Vinyl Chloride	999	76020	26.478
7.037	94.0+45.0	Bromomethane	981	20657	18.509
7.421	45.0+49.0	Chloroethane	695	3360	17.685
8.272	101.0+103.0	Trichlorofluoromethane	977	173734	24.130
9.497	59.0	Ethyl ether	666		N/A
10.245	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	911	98236	23.007
11.202	56.0	Acrolein	323		N/A
10.324	96.0+61.0+98.0	1,1-Dichloroethene	947	139374	25.195
10.878	142.0	Iodomethane	944	372	0.092
10.814	43.0+58.0	Acetone	913	6039	18.562
11.515	45.0	Isopropyl alcohol (2-Propanol)	782		N/A
10.957	76.0	Carbon disulfide	727		N/A
13.346	41.0	Acetonitrile	879		N/A
11.623	41.0+39.0	Allyl chloride	850		N/A
12.154	84.0+49.0+86.0	Methylene Chloride	880	175891	28.196
12.641	59.0	tert-Butanol	950	14750	109.101
12.788	73.0	Methyl-tert-butyl-ether (MTBE)	969	91326	25.745
12.826	61.0+96.0	1,1,2-Dichloroethene	985	183246	27.647

RT	Quan Ions	Compound Name	R.Match	Area	Amount
13.070	53.0	Acrylonitrile	258		N/A
13.360	41.0	n-Hexane	784		N/A
14.096	63.0	1,1-Dichloroethane	977	118293	27.303
14.298	43.0	Vinyl acetate	318		N/A
14.090	45.0	Isopropyl ether	975	183453	29.497
14.201	53.0	Chloroprene	62		N/A
14.989	59.0	Ethyl-tert-butyl-ether	991	196097	27.668
15.472	77.0+41.0	2,2-Dichloropropane	998	133288	22.879
15.579	61.0+96.0	c-1,2-Dichloroethene	996	189025	29.897
15.691	43.0+72.0	2-Butanone (MEK)	887	10161	19.110
15.948	54.0	Propionitrile	399		N/A
16.146	130.0+49.0	Bromochloromethane	998	100198	26.611
17.561	39.0	Methacrylonitrile	366	18522	19.561
16.301	83.0+85.0	Chloroform	998	214560	26.598
16.606	97.0+99.0	1,1,1-Trichloroethane	998	262330	26.509
16.676	111.0	Dibromofluoromethane (Surr1)	984	40010	25.496
16.900	117.0+119.0	Carbon Tetrachloride	991	211649	26.309
16.310	42.0+72.0	Tetrahydrofuran	579	707	2.235
16.972	75.0+39.0	1,1-Dichloropropene	997	167475	27.062
17.404	78.0	Benzene	985	174302	26.918
17.449	65.0	1,2-Dichloroethane-d4 (Surr2)	965	58736	27.549
17.611	62.0+64.0	1,2-Dichloroethane	992	120063	28.710
17.562	73.0+55.0+87.0	tert-Amyl-methyl-ether	997	186743	26.914
18.768	130.0+132.0+95.0	Trichloroethene	995	221343	25.528
19.304	41.0	Methyl methacrylate	719	42965	34.068
19.304	63.0+65.0	1,2-Dichloropropane	998	61195	27.310
19.576	93.0+174.0	Dibromomethane	991	69152	24.840
20.281	88.0	1,4-Dioxane	232		N/A
19.847	83.0+85.0	Bromodichloromethane	998	170202	27.177
20.393	63.0+43.0	2-Chloroethyl vinyl ether	693		N/A
20.775	75.0+77.0+39.0	c-1,3-Dichloropropene	957	164577	24.943
21.042	43.0+58.0	4-Methyl-2-pentanone	993	44428	25.076
21.259	98.0	Toluene-d8 (Surr3)	996	229458	25.294
21.410	92.0+91.0	Toluene	998	563714	26.350
22.012	69.0	Ethyl methacrylate	819	1328	1.061
23.079	43.0+58.0+100.0	2-Hexanone	984	25330	20.234
22.083	75.0+77.0	t-1,3-Dichloropropene	990	74673	23.915
22.545	97.0+99.0	1,1,2-Trichloroethane	998	83805	25.817
22.710	164.0+166.0	Tetrachloroethene	997	24068	25.004
23.007	76.0+41.0	1,3-Dichloropropane	998	123565	25.990
17.440	41.0	Isobutyl alcohol	234		N/A
23.576	129.0+127.0	Dibromochloromethane	997	109358	26.641
23.973	107.0+109.0	1,2-Dibromoethane	997	111292	26.913
25.749	91.0	1-Chlorohexane	983		N/A
25.343	112.0+114.0	Chlorobenzene	992	351897	25.680
25.512	106.0+91.0	Ethylbenzene	996	674304	27.383
25.580	131.0+117.0	1,1,1,2-Tetrachloroethane	996	133429	27.130
25.864	106.0+91.0	p,m-Xylenes	998	1.320E6	56.148
27.058	106.0+91.0	o-Xylene	997	650304	27.313
27.134	104.0+78.0	Styrene	997	382325	26.724
27.794	171.0+173.0+175.0	Bromoform	985	58570	24.839

RT	Quan Ions	Compound Name	R.Match	Area	Amount
28.040	105.0+120.0	Isopropylbenzene	992	707316	27.778
28.418	75.0	cis-1,4-Dichloro-2-butene	583		N/A
28.664	95.0	p-Bromofluorobenzene (Surr4)	998	112858	24.520
29.099	83.0+85.0	1,1,2,2-Tetrachloroethane	996	95621	26.412
29.084	77.0+158.0	Bromobenzene	993	287821	26.072
29.190	91.0+120.0	n-Propylbenzene	997	797736	26.870
29.258	75.0	trans-1,4-Dichloro-2-butene	851	38862	20.823
29.258	75.0+110.0	1,2,3-Trichloropropane	993	54254	21.892
29.552	91.0+126.0	2-Chlorotoluene	998	488873	25.891
29.670	105.0+120.0	1,3,5-Trimethylbenzene	996	731362	26.254
29.552	91.0+126.0	4-Chlorotoluene	995	488873	26.756
30.516	119.0+91.0	tert-Butylbenzene	880	956020	27.935
30.692	105.0+120.0	1,2,4-Trimethylbenzene	998	614500	23.033
31.456	117.0	Pentachloroethane	432	80398	22.204
31.097	105.0+134.0	sec-Butylbenzene	990	759041	27.441
30.514	119.0	4-Isopropyltoluene	890	554953	27.443
31.556	146.0+148.0	1,3-Dichlorobenzene	997	366145	25.646
31.554	146.0+148.0	1,4-Dichlorobenzene	997	370143	25.805
32.112	91.0	Benzyl Chloride	629		N/A
32.506	91.0+134.0	n-Butylbenzene	996	496670	23.092
32.754	146.0+148.0	1,2-Dichlorobenzene	996	358861	26.538
34.678	75.0+157.0	1,2-Dibromo-3-chloropropane	980	37496	25.634
37.590	180.0+182.0	1,2,4-Trichlorobenzene	993	194536	21.180
36.709	225.0+226.0	Hexachlorobutadiene	972	146156	23.972
37.055	128.0	Naphthalene	997	146942	21.561
37.593	180.0+182.0	1,2,3-Trichlorobenzene	996	190814	21.415

Associated Labs
GCMS # 4

Data File Name:	C:\VarianWS\data\4Oct12\4oct121429.SMS	Calc Method:	C:\VarianWS\methods\ms4_524_101812_35C.mth
Sample Name:	MSD_312080-006_10mL	Acquisition Date:	10/20/2012 5:19:53 PM
Inj. Notes:	w#12090604 pH<2	Operator Name:	NZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
18.026	96.0+70.0	Fluorobenzene (IS1)	899	198202	25.000
25.254	117.0	Chlorobenzene-d5(IS2)	996	180119	25.000
31.735	152.0	1,4-Dichlorobenzene-d4(IS3)	993	98708	25.000
4.827	85.0	Dichlorodifluoromethane	684	78459	22.994
5.463	50.0+52.0+49.0	Chloromethane	995	67509	22.443
5.828	62.0+64.0	Vinyl Chloride	998	73793	24.704
7.031	94.0+45.0	Bromomethane	981	19205	16.540
7.414	45.0+49.0	Chloroethane	719	3512	17.768
8.267	101.0+103.0	Trichlorofluoromethane	989	173646	23.181
9.497	59.0	Ethyl ether	652		N/A
10.240	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	913	100111	22.535
11.202	56.0	Acrolein	550		N/A
10.319	96.0+61.0+98.0	1,1-Dichloroethene	950	140646	24.437
10.881	142.0	Iodomethane	931	512	0.122
10.811	43.0+58.0	Acetone	923	5864	17.326
11.515	45.0	Isopropyl alcohol (2-Propanol)	817		N/A
10.957	76.0	Carbon disulfide	733		N/A
13.346	41.0	Acetonitrile	734		N/A
11.623	41.0+39.0	Allyl chloride	782		N/A
12.149	84.0+49.0+86.0	Methylene Chloride	872	157606	24.283
12.637	59.0	tert-Butanol	957	16601	118.022
12.784	73.0	Methyl-tert-butyl-ether (MTBE)	970	90964	24.647
12.824	61.0+96.0	1,1,2-Dichloroethene	982	181729	26.353

RT	Quan Ions	Compound Name	R.Match	Area	Amount
13.070	53.0	Acrylonitrile	321		N/A
13.360	41.0	n-Hexane	788		N/A
14.093	63.0	1,1-Dichloroethane	976	117098	25.978
14.298	43.0	Vinyl acetate	201		N/A
14.087	45.0	Isopropyl ether	988	181859	28.105
14.201	53.0	Chloroprene	61		N/A
14.987	59.0	Ethyl-tert-butyl-ether	991	203207	27.557
15.471	77.0+41.0	2,2-Dichloropropane	998	132122	21.798
15.576	61.0+96.0	c-1,2-Dichloroethene	996	188988	28.730
15.686	43.0+72.0	2-Butanone (MEK)	852	11042	19.961
15.948	54.0	Propionitrile	272		N/A
16.139	130.0+49.0	Bromochloromethane	996	103075	26.312
17.558	39.0	Methacrylonitrile	330	21402	21.724
16.299	83.0+85.0	Chloroform	993	217359	25.899
16.602	97.0+99.0	1,1,1-Trichloroethane	998	272596	26.477
16.671	111.0	Dibromofluoromethane (Surr1)	989	40791	24.983
16.895	117.0+119.0	Carbon Tetrachloride	990	219158	26.184
16.300	42.0+72.0	Tetrahydrofuran	543	571	1.737
16.969	75.0+39.0	1,1-Dichloropropene	997	168239	26.130
17.402	78.0	Benzene	986	178731	26.530
17.445	65.0	1,2-Dichloroethane-d4 (Surr2)	973	59765	26.943
17.607	62.0+64.0	1,2-Dichloroethane	979	122293	28.107
17.557	73.0+55.0+87.0	tert-Amyl-methyl-ether	997	194257	26.910
18.763	130.0+132.0+95.0	Trichloroethene	996	236037	25.621
19.301	41.0	Methyl methacrylate	770	46975	35.056
19.297	63.0+65.0	1,2-Dichloropropane	999	66485	27.925
19.572	93.0+174.0	Dibromomethane	995	75764	25.613
20.281	88.0	1,4-Dioxane	502		N/A
19.842	83.0+85.0	Bromodichloromethane	997	182308	27.397
20.393	63.0+43.0	2-Chloroethyl vinyl ether	677		N/A
20.770	75.0+77.0+39.0	c-1,3-Dichloropropene	955	173721	24.779
21.036	43.0+58.0	4-Methyl-2-pentanone	994	51008	27.095
21.254	98.0	Toluene-d8 (Surr3)	996	241448	25.050
21.408	92.0+91.0	Toluene	998	590670	25.985
22.007	69.0	Ethyl methacrylate	866	1458	1.096
23.071	43.0+58.0+100.0	2-Hexanone	989	32947	24.770
22.080	75.0+77.0	t-1,3-Dichloropropene	992	81432	24.545
22.543	97.0+99.0	1,1,2-Trichloroethane	998	91673	26.579
22.707	164.0+166.0	Tetrachloroethene	997	25456	24.889
23.005	76.0+41.0	1,3-Dichloropropane	998	135643	26.852
17.440	41.0	Isobutyl alcohol	233		N/A
23.573	129.0+127.0	Dibromochloromethane	997	120257	27.572
23.971	107.0+109.0	1,2-Dibromoethane	998	119087	27.103
25.749	91.0	1-Chlorohexane	983		N/A
25.340	112.0+114.0	Chlorobenzene	995	374714	25.736
25.507	106.0+91.0	Ethylbenzene	996	705197	26.903
25.577	131.0+117.0	1,1,1,2-Tetrachloroethane	997	148191	28.307
25.860	106.0+91.0	p,m-Xylenes	998	1.361E6	54.370
27.056	106.0+91.0	o-Xylene	998	686082	27.070
27.132	104.0+78.0	Styrene	997	426639	28.015
27.793	171.0+173.0+175.0	Bromoform	989	65437	26.071

ALAB : 00329

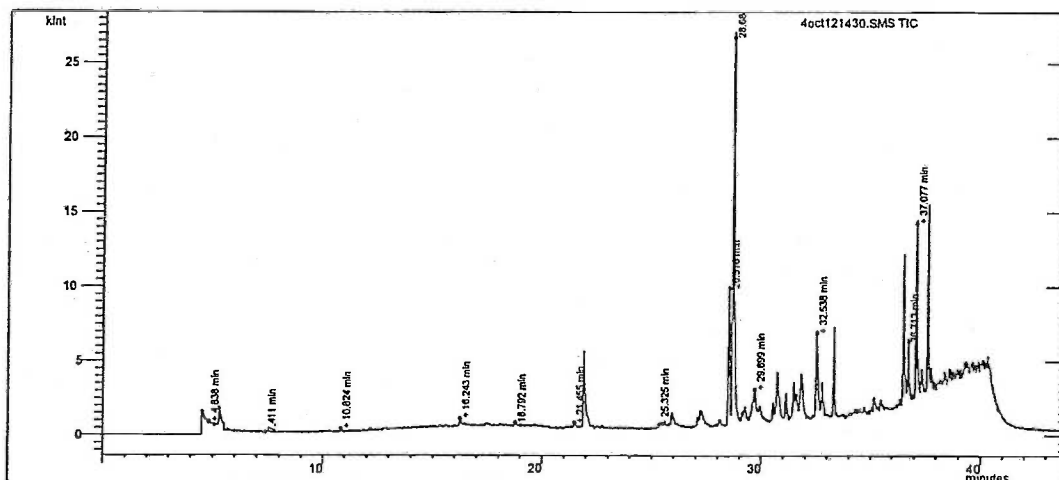
RT	Quan Ions	Compound Name	R.Match	Area	Amount
28.038	105.0+120.0	Isopropylbenzene	992	729594	26.918
28.418	75.0	cis-1,4-Dichloro-2-butene	773		N/A
28.661	95.0	p-Bromofluorobenzene (Surr4)	999	121864	24.874
29.095	83.0+85.0	1,1,2,2-Tetrachloroethane	996	103953	26.975
29.083	77.0+158.0	Bromobenzene	982	316188	26.907
29.189	91.0+120.0	n-Propylbenzene	997	822004	26.011
29.254	75.0	trans-1,4-Dichloro-2-butene	853	44785	22.544
29.254	75.0+110.0	1,2,3-Trichloropropane	988	61819	23.434
29.552	91.0+126.0	2-Chlorotoluene	998	521488	25.946
29.669	105.0+120.0	1,3,5-Trimethylbenzene	997	779761	26.297
29.552	91.0+126.0	4-Chlorotoluene	995	521488	26.813
30.516	119.0+91.0	tert-Butylbenzene	874	1.003E6	27.537
30.691	105.0+120.0	1,2,4-Trimethylbenzene	997	645760	22.739
31.459	117.0	Pentachloroethane	406	85575	22.203
31.096	105.0+134.0	sec-Butylbenzene	989	778949	26.455
30.512	119.0	4-Isopropyltoluene	889	587606	27.298
31.553	146.0+148.0	1,3-Dichlorobenzene	997	380617	25.045
31.552	146.0+148.0	1,4-Dichlorobenzene	997	376802	24.679
32.112	91.0	Benzyl Chloride	734		N/A
32.506	91.0+134.0	n-Butylbenzene	996	535467	23.388
32.754	146.0+148.0	1,2-Dichlorobenzene	996	377035	26.193
34.679	75.0+157.0	1,2-Dibromo-3-chloropropane	983	39578	25.420
37.590	180.0+182.0	1,2,4-Trichlorobenzene	991	216162	22.109
36.709	225.0+226.0	Hexachlorobutadiene	974	144654	22.289
37.054	128.0	Naphthalene	997	173940	23.977
37.593	180.0+182.0	1,2,3-Trichlorobenzene	997	212119	22.365

524 Volatile Organics

Associated Labs

GCMS # 4

Data File Name: C:\Varian\WS\data\4Oct12\4oct121430. Calc Method: C:\Varian\WS\methods\ms4_524_10181
SMS 2_35C.mth
Sample Name: 10ppb BFB tune 2 Acquisition Date: 10/20/2012 6:08:05 PM
Inj. Notes: w#12062102 Operator Name: NZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
18.003	96.0+70.0	Fluorobenzene (IS1)	650		N/A
25.325	117.0	Chlorobenzene-d5(IS2)	714	159	25.000
31.792	152.0	1,4-Dichlorobenzene-d4(IS3)	965	380	25.000
4.838	85.0	Dichlorodifluoromethane	737	88	88.062
5.446	50.0+52.0+49.0	Chloromethane	259		N/A
5.812	62.0+64.0	Vinyl Chloride	824		N/A
7.014	94.0+45.0	Bromomethane	705		N/A
7.411	45.0+49.0	Chloroethane	480		N/A
8.309	101.0+103.0	Trichlorofluoromethane	794	29	28.770
9.497	59.0	Ethyl ether	588		N/A
10.209	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	536		N/A
11.202	56.0	Acrolein	574		N/A
10.330	96.0+61.0+98.0	1,1-Dichloroethene	679	109	109.100
10.845	142.0	Iodomethane	775		N/A
10.824	43.0+58.0	Acetone	863	579	579.282
11.515	45.0	Isopropyl alcohol (2-Propanol)	661		N/A
10.957	76.0	Carbon disulfide	630		N/A
13.346	41.0	Acetonitrile	838		N/A
11.623	41.0+39.0	Allyl chloride	695		N/A
12.160	84.0+49.0+86.0	Methylene Chloride	853	425	424.784
12.615	59.0	tert-Butanol	529		N/A
12.750	73.0	Methyl-tert-butyl-ether (MTBE)	698		N/A
12.836	61.0+96.0	1,1,2-Dichloroethene	840	128	127.627

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4oct121430.SMS

ALAB : 00331

CONFIDENTIAL

LMC-PET-00001144

RT	Quan	Ions	Compound Name	R.Match	Area	Amount
13.070	53.0		Acrylonitrile	642		N/A
13.360	41.0		n-Hexane	680		N/A
14.068	63.0		1,1-Dichloroethane	636		N/A
14.298	43.0		Vinyl acetate	493		N/A
14.055	45.0		Isopropyl ether	655		N/A
14.201	53.0		Chloroprene	493		N/A
14.968	59.0		Ethyl-tert-butyl-ether	257		N/A
15.440	77.0+41.0		2,2-Dichloropropane	514		N/A
15.590	61.0+96.0		c-1,2-Dichloroethene	706	157	156.884
15.719	43.0+72.0		2-Butanone (MEK)	647		N/A
15.948	54.0		Propionitrile	403		N/A
16.149	130.0+49.0		Bromochloromethane	748	35	35.279
17.528	39.0		Methacrylonitrile	480		N/A
16.314	83.0+85.0		Chloroform	688	109	109.079
16.584	97.0+99.0		1,1,1-Trichloroethane	598		N/A
16.648	111.0		Dibromofluoromethane (Surr1)	478		N/A
16.861	117.0+119.0		Carbon Tetrachloride	537		N/A
16.243	42.0+72.0		Tetrahydrofuran	742	488	488.068
16.949	75.0+39.0		1,1-Dichloropropene	676		N/A
17.378	78.0		Benzene	825		N/A
17.418	65.0		1,2-Dichloroethane-d4 (Surr2)	775		N/A
17.581	62.0+64.0		1,2-Dichloroethane	635		N/A
17.537	73.0+55.0+87.0		tert-Amyl-methyl-ether	605		N/A
18.792	130.0+132.0+95.0		Trichloroethene	930	318	39.162
19.397	41.0		Methyl methacrylate	607		N/A
19.273	63.0+65.0		1,2-Dichloropropane	617		N/A
19.607	93.0+174.0		Dibromomethane	828	80	30.805
20.281	88.0		1,4-Dioxane	556		N/A
19.821	83.0+85.0		Bromodichloromethane	681		N/A
20.393	63.0+43.0		2-Chloroethyl vinyl ether	613		N/A
20.738	75.0+77.0+39.0		c-1,3-Dichloropropene	535		N/A
21.012	43.0+58.0		4-Methyl-2-pentanone	672		N/A
21.319	98.0		Toluene-d8 (Surr3)	788	76	8.929
21.455	92.0+91.0		Toluene	937	813	40.510
22.013	69.0		Ethyl methacrylate	501		N/A
23.027	43.0+58.0+100.0		2-Hexanone	372		N/A
22.043	75.0+77.0		t-1,3-Dichloropropene	216		N/A
22.504	97.0+99.0		1,1,2-Trichloroethane	487		N/A
22.669	164.0+166.0		Tetrachloroethene	922		N/A
22.981	76.0+41.0		1,3-Dichloropropane	684		N/A
17.440	41.0		Isobutyl alcohol	740		N/A
23.543	129.0+127.0		Dibromochloromethane	527		N/A
24.066	107.0+109.0		1,2-Dibromoethane	756	70	17.944
25.749	91.0		1-Chlorohexane	757		N/A
25.422	112.0+114.0		Chlorobenzene	903	302	23.462
25.577	106.0+91.0		Ethylbenzene	908	560	5.545
25.421	131.0+117.0		1,1,1,2-Tetrachloroethane	453	70	3.483
25.922	106.0+91.0		p,m-Xylenes	977	2096	21.731
27.092	106.0+91.0		o-Xylene	812	1593	16.318
27.265	104.0+78.0		Styrene	948	1554	26.482
27.841	171.0+173.0+175.0		Bromoform	566	42	4.332

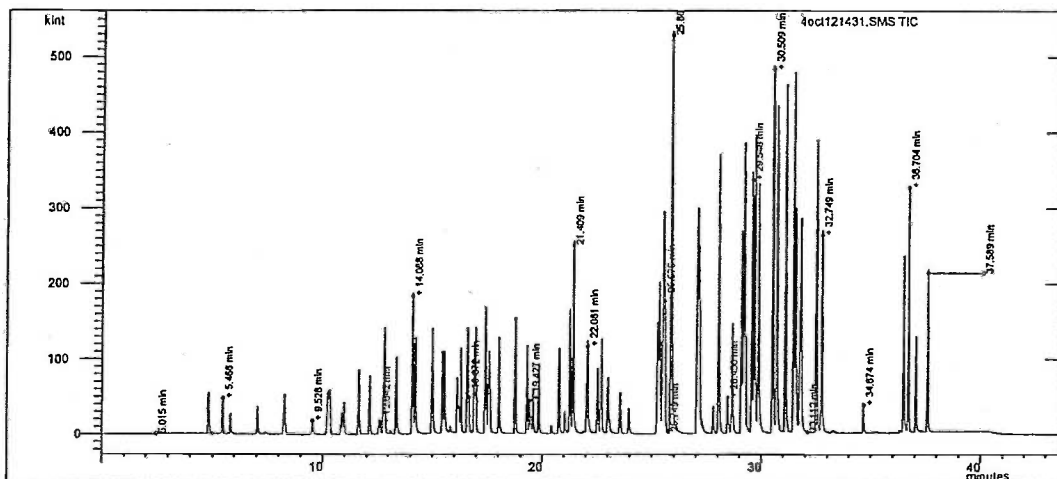
ALAB : 00332

RT	Quan Ions	Compound Name	R.Match	Area	Amount
28.076	105.0+120.0	Isopropylbenzene	927	1028	9.847
28.516	75.0	cis-1,4-Dichloro-2-butene	694	163	98.065
28.684	95.0	p-Bromofluorobenzene (Surr4)	998	26251	1390.822
29.090	83.0+85.0	1,1,2,2-Tetrachloroethane	723		N/A
29.137	77.0+158.0	Bromobenzene	928	857	18.923
29.244	91.0+120.0	n-Propylbenzene	955	2095	17.206
29.229	75.0	trans-1,4-Dichloro-2-butene	720		N/A
29.231	75.0+110.0	1,2,3-Trichloropropane	781		N/A
29.585	91.0+126.0	2-Chlorotoluene	871	1169	15.092
29.699	105.0+120.0	1,3,5-Trimethylbenzene	939	6305	55.193
29.589	91.0+126.0	4-Chlorotoluene	862	1175	15.679
30.529	119.0+91.0	tert-Butylbenzene	863	2647	18.861
30.724	105.0+120.0	1,2,4-Trimethylbenzene	990	3948	36.086
31.482	117.0	Pentachloroethane	395	484	32.586
31.122	105.0+134.0	sec-Butylbenzene	982	3311	29.190
30.531	119.0	4-Isopropyltoluene	875	1546	18.642
31.619	146.0+148.0	1,3-Dichlorobenzene	948	1186	20.266
31.607	146.0+148.0	1,4-Dichlorobenzene	982	1186	20.171
32.112	91.0	Benzyl Chloride	619		N/A
32.538	91.0+134.0	n-Butylbenzene	990	9479	107.468
32.789	146.0+148.0	1,2-Dichlorobenzene	993	3392	61.166
34.645	75.0+157.0	1,2-Dibromo-3-chloropropane	886		N/A
37.605	180.0+182.0	1,2,4-Trichlorobenzene	990	15244	404.724
36.713	225.0+226.0	Hexachlorobutadiene	966	1754	70.144
37.077	128.0	Naphthalene	995	16091	575.771
37.606	180.0+182.0	1,2,3-Trichlorobenzene	996	13543	370.660

524 Volatile Organics

Associated Labs
GCMS # 4

Data File Name: C:\VarianWS\data\4Oct12\4oct121431. Calc Method: C:\VarianWS\methods\ms4_524_10181
SMS
Sample Name: 25ppb 524.2 ccv 2 Acquisition Date: 10/20/2012 6:56:21 PM
Inj. Notes: w#12090602 Operator Name: NZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount'
18.030	96.0+70.0	Fluorobenzene (IS1)	911	208868	25.000
25.253	117.0	Chlorobenzene-d5(IS2)	986	179538	25.000
31.730	152.0	1,4-Dichlorobenzene-d4(IS3)	968	99421	25.000
5.015	85.0	Dichlorodifluoromethane	699	29	0.008
5.466	50.0+52.0+49.0	Chloromethane	995	85997	27.130
5.830	62.0+64.0	Vinyl Chloride	997	74796	23.761 ✓
7.033	94.0+45.0	Bromomethane	945	29718	24.287
7.416	45.0+49.0	Chloroethane	680	4068	19.529
8.268	101.0+103.0	Trichlorofluoromethane	980	188077	23.826
9.528	59.0	Ethyl ether	959	17085	23.886
10.241	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	924	108902	23.263
11.202	56.0	Acrolein	526		N/A
10.319	96.0+61.0+98.0	1,1-Dichloroethene	956	140438	23.155 ✓
10.877	142.0	Iodomethane	951	89936	20.271
10.823	43.0+58.0	Acetone	919	7062	19.799
11.515	45.0	Isopropyl alcohol (2-Propanol)	757		N/A
10.986	76.0	Carbon disulfide	731	113153	22.567
13.384	41.0	Acetonitrile	705	113432	25.579
11.654	41.0+39.0	Allyl chloride	961	231249	26.083
12.151	84.0+49.0+86.0	Methylene Chloride	912	172396	25.206
12.642	59.0	tert-Butanol	941	17712	119.489
12.785	73.0	Methyl-tert-butyl-ether (MTBE)	983	91562	23.542 ✓
12.824	61.0+96.0	1,1,2-Dichloroethene	981	187342	25.780

RT	Quan Ions	Compound Name	R.Match	Area	Amount
13.097	53.0	Acrylonitrile	990	5467	22.756
13.385	41.0	n-Hexane	997	116408	26.183
14.094	63.0	1,1-Dichloroethane	978	126059	26.537
14.298	43.0	Vinyl acetate	189		N/A
14.088	45.0	Isopropyl ether	965	190630	27.956
14.233	53.0	Chloroprene	996	131921	26.193
14.989	59.0	Ethyl-tert-butyl-ether	987	202539	26.064
15.471	77.0+41.0	2,2-Dichloropropane	997	168829	26.432
15.579	61.0+96.0	c-1,2-Dichloroethene	998	184493	26.615
15.689	43.0+72.0	2-Butanone (MEK)	859	12952	22.218
15.968	54.0	Propionitrile	898	1864	18.800
16.141	130.0+49.0	Bromochloromethane	992	105215	25.487
17.559	39.0	Methacrylonitrile	327	24633	23.726
16.299	83.0+85.0	Chloroform	994	221007	24.988 ✓
16.603	97.0+99.0	1,1,1-Trichloroethane	997	273941	25.248
16.672	111.0	Dibromofluoromethane (Surr1)	984	42583	24.749
16.896	117.0+119.0	Carbon Tetrachloride	992	222242	25.197
16.198	42.0+72.0	Tetrahydrofuran	658	7284	21.016
16.971	75.0+39.0	1,1-Dichloropropene	997	172850	25.475
17.404	78.0	Benzene	986	178727	25.174 ✓
17.447	65.0	1,2-Dichloroethane-d4 (Surr2)	977	62189	26.604
17.609	62.0+64.0	1,2-Dichloroethane	974	122395	26.694
17.559	73.0+55.0+87.0	tert-Amyl-methyl-ether	997	195491	25.698
18.765	130.0+132.0+95.0	Trichloroethene	996	227536	24.778 ✓
19.427	41.0	Methyl methacrylate	998	36422	27.269
19.300	63.0+65.0	1,2-Dichloropropane	998	64019	26.976 ✓
19.571	93.0+174.0	Dibromomethane	992	72082	24.447
20.281	88.0	1,4-Dioxane	537		N/A
19.842	83.0+85.0	Bromodichloromethane	997	164542	24.808
20.424	63.0+43.0	2-Chloroethyl vinyl ether	664	6910	22.705
20.770	75.0+77.0+39.0	c-1,3-Dichloropropene	955	181807	26.016
21.039	43.0+58.0	4-Methyl-2-pentanone	995	45845	24.432
21.257	98.0	Toluene-d8 (Surr3)	996	245829	25.587
21.409	92.0+91.0	Toluene	998	585223	25.829 ✓
22.054	69.0	Ethyl methacrylate	995	29465	22.227
23.075	43.0+58.0+100.0	2-Hexanone	986	27658	20.860
22.081	75.0+77.0	t-1,3-Dichloropropene	978	86527	26.166
22.544	97.0+99.0	1,1,2-Trichloroethane	999	89475	26.026
22.708	164.0+166.0	Tetrachloroethene	997	24179	23.717 ✓
23.004	76.0+41.0	1,3-Dichloropropane	998	128958	25.611
17.440	41.0	Isobutyl alcohol	232		N/A
23.575	129.0+127.0	Dibromochloromethane	996	110411	25.397
23.971	107.0+109.0	1,2-Dibromoethane	999	111864	25.542
25.749	91.0	1-Chlorohexane	980		N/A
25.339	112.0+114.0	Chlorobenzene	993	363313	25.033 ✓
25.508	106.0+91.0	Ethylbenzene	995	703469	26.645 ✓
25.575	131.0+117.0	1,1,1,2-Tetrachloroethane	996	143330	27.182
25.862	106.0+91.0	p,m-Xylenes	998	1.362E6	54.034 ✓
27.053	106.0+91.0	o-Xylene	997	668583	26.191 ✓
27.129	104.0+78.0	Styrene	996	414100	26.997
27.790	171.0+173.0+175.0	Bromoform	987	60788	24.045 ✓